

Women's 200m Split Times - by time

LAST UPDATE: 10-Oct-25

Griffith-Joyner, Florence (USA) (1959)										
FINAL	- 1988 Olympic Games (Seoul, KOR)									
date	29-Sep-88	time	6.29	11.18	16.10	21.34	21.34	5 / 1		
reaction time	0.205	interval		4.89	4.92	5.24	WR	# of strides	11.18	10.16
wind	1.3 m/s	velocity	7.95	10.22	10.16	9.54	9.37	91.8	8.94	9.84
<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>										
Jackson, Shericka (JAM) (1994)										
FINAL	- 2023 World Athletics Championships (Budapest, HUN)									
date	25-Aug-23	time		11.05		21.41	21.41	6 / 1		
reaction time	0.161	interval				10.36	CR NR PB	# of strides	11.05	10.36
wind	0.1 m/s	velocity		9.05		9.65	9.34	93.0	9.05	9.65
<i>Seiko Timing (2023) - world championship race analysis</i>										
Jackson, Shericka (JAM) (1994)										
FINAL	- 2022 World Athletics Championships (Eugene, OR)									
date	21-Jul-22	time		11.04		21.45	21.45	4 / 1		
reaction time	0.144	interval				10.41	CR NR PB	# of strides	11.04	10.41
wind	0.6 m/s	velocity		9.06		9.61	9.32	93.2	9.06	9.61
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
Jackson, Shericka (JAM) (1994)										
FINAL	- 2023 Memorial van Damme (Brussels, BEL)									
date	08-Sep-23	time	6.11	11.00	16.09	21.48	21.48	6 / 1		
reaction time	0.161	interval		4.89	5.09	5.39		# of strides	11.00	10.48
wind	0.2 m/s	velocity	8.18	10.22	9.82	9.28	9.31	93.0	9.09	9.54
<i>Omega Timing (2023) - diamond league race analysis</i>										
Thompson-Herah, Elaine (JAM) (1992)										
FINAL	- 2020 Olympic Games (Tokyo, JPN)									
date	03-Aug-21	time		10.99	16.06	21.53	21.53	7 / 1		
reaction time	0.173	interval			5.07	5.47	NR PB	# of strides	10.99	10.54
wind	0.8 m/s	velocity		9.10	9.86	9.14	9.29	96.7	9.10	9.49
<i>Vazel (2021) - https://twitter.com/pjvazel/status/1422593785813377036?s=21</i>										
Griffith-Joyner, Florence (USA) (1959)										
Semi-Final 1	- 1988 Olympic Games (Seoul, KOR)									
date	29-Sep-88	time	6.33	11.29	16.36	21.56	21.56	5 / 1		
reaction time	0.156	interval		4.96	5.07	5.20	WR	# of strides	11.29	10.27
wind	1.7 m/s	velocity	7.90	10.08	9.86	9.62	9.28	91.5	8.86	9.74
<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>										
Jackson, Shericka (JAM) (1994)										
FINAL	- 2023 Prefontaine Classic (Eugene, OR)									
date	17-Sep-23	time	6.11	11.02	16.10	21.57	21.57	7 / 1		
reaction time	0.152	interval		4.91	5.08	5.47		# of strides	11.02	10.55
wind	0.3 m/s	velocity	8.18	10.18	9.84	9.14	9.27	93.5	9.07	9.48
<i>Omega Timing (2023) - diamond league race analysis</i>										
Thomas, Gabrielle (USA) (1996)										
FINAL	- 2020 USA Olympic Trials (Eugene, OR)									
date	26-Jun-21	time		11.12		21.61	21.61	6 / 1		
reaction time	0.173	interval				10.49	PB	# of strides	11.12	10.49
wind	1.3 m/s	velocity		8.99		9.53	9.25	90.0	8.99	9.53
<i>Vazel (2021) - https://twitter.com/pjvazel/status/1409396275791994886?s=21</i>										
Jones, Marion (USA) (1975)										
FINAL	- 1998 World Cup (Johannesburg, RSA) (<i>Altitude</i>)									
date	11-Sep-98	time	6.21	11.08	16.13	21.62	21.62	9 / 1		
reaction time	0.258	interval		4.87	5.05	5.49	CR / PB	# of strides	11.08	10.54
wind	-0.6 m/s	velocity	8.05	10.27	9.90	9.11	9.25		9.03	9.49
<i>Veney - 200m women from PJ</i>										
Schippers, Dafne (NED) (1992)										
FINAL	- 2015 IAAF World Championships (Beijing, CHN)									
date	28-Aug-15	time	6.22	11.13	16.17	21.63	21.63	6 / 1		
reaction time	0.149	interval		4.91	5.04	5.46	AR	# of strides	11.13	10.50
wind	0.2 m/s	velocity	8.04	10.18	9.92	9.16	9.25	90.5	8.98	9.52
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>										
Thompson, Elaine (JAM) (1992)										
FINAL	- 2015 IAAF World Championships (Beijing, CHN)									
date	28-Aug-15	time	6.21	11.06	16.12	21.66	21.66	5 / 2		
reaction time	0.195	interval		4.85	5.06	5.54	PB	# of strides	11.06	10.60
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>										

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	8.05	10.31	9.88	9.03	9.23	95.5	9.04	9.43	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time		11.16		21.67	21.67	5 / 1			
reaction time	0.148	interval				10.51		# of strides	11.16	10.51	0.65
wind	2.0 m/s	velocity		8.96		9.51	9.23	93.0	8.96	9.51	
Jefferson-Wooden, Melissa (USA) (2022)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	19-Sep-25	time		11.04		21.68	21.68	6 / 1			
reaction time	0.170	interval				10.64	PB	# of strides	11.04	10.64	0.40
wind	-0.1 m/s	velocity		9.06		9.40	9.23	98.0	9.06	9.40	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 USA Olympic Trials (Eugene, OR)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	30-Jun-12	time		11.1		21.69	21.69	6 / 1			
reaction time	0.203	interval				10.59	PB	# of strides	11.10	10.59	0.51
wind	1.0 m/s	velocity		9.01		9.44	9.22	88.5	9.01	9.44	
Koch, Marita (GDR) (1957)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1984 Olympischen Tag (Potsdam, GDR)			<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>								
date	21-Jul-84	time		11.06		21.71	21.71	/ 1			
reaction time		interval				10.65	WR	# of strides	11.06	10.65	0.41
wind	0.3 m/s	velocity		9.04		9.39	9.21		9.04	9.39	
Drechsler, Heike (GDR) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1986 European Championships (Stuttgart, FRG)			<i>Veney - 200m women from PJ</i>								
date	29-Jun-86	time		11.00	16.14	21.71	21.71	4 / 1			
reaction time	0.190	interval			5.14	5.57	AR	# of strides	11.00	10.71	0.29
wind	-0.8 m/s	velocity		9.09	9.73	8.98	9.21	88.2	9.09	9.34	
Alfred, Julien (LCA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 London Athletics Meet (London, GBR)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	19-Jul-25	time	6.07	11.15	16.25	21.71	21.71	7 / 1			
reaction time	0.155	interval		5.08	5.10	5.46	NR	# of strides	11.15	10.56	0.59
wind	-0.6 m/s	velocity	8.24	9.84	9.80	9.16	9.21	94.5	8.97	9.47	
Jackson, Grace (JAM) (1961)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1988 Olympic Games (Seoul, KOR)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	29-Sep-88	time	6.32	11.32	16.38	21.72	21.72	6 / 2			
reaction time	0.195	interval		5.00	5.06	5.34	PB	# of strides	11.32	10.40	0.92
wind	1.3 m/s	velocity	7.91	10.00	9.88	9.36	9.21	83.3	8.83	9.62	
Torrence, Gwen (USA) (1965)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1992 Olympic Games (Barcelona, ESP)			<i>Veney - 200m women from PJ</i>								
date	05-Aug-92	time		11.26	16.35	21.72	21.72	3 / 1			
reaction time		interval			5.09	5.37	PB	# of strides	11.26	10.46	0.80
wind	-0.1 m/s	velocity		8.88	9.82	9.31	9.21	97.0	8.88	9.56	
Göhr, Marlies (GDR) (1958)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1984 East German National Championships (Erfurt, GDR)			<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>								
date	03-Jun-84	time		11.18		21.74	21.74	/ 1			
reaction time		interval				10.56	PB	# of strides	11.18	10.56	0.62
wind	0.4 m/s	velocity		8.94		9.47	9.20		8.94	9.47	
Gladisch-Möller, Silke (GDR) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.13	11.09	16.18	21.74	21.74	3 / 1			
reaction time	0.155	interval		4.96	5.09	5.56	CR / PB	# of strides	11.09	10.65	0.44
wind	1.2 m/s	velocity	8.16	10.08	9.82	8.99	9.20	101.5	9.02	9.39	
Campbell-Brown, Veronica (JAM) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Olympic Games (Beijing, CHN)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	21-Aug-08	time		11.00		21.74	21.74	4 / 1			
reaction time	0.172	interval				10.74	PB	# of strides	11.00	10.74	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	0.6 m/s	velocity	9.09	9.31	9.20	96.2	9.09	9.31	
Miller-Uibo, Shaunae (BAH) (1994)									
FINAL	- 2019 Weltklasse (Zürich, SUI)								<i>Omega Timing (2019) - diamond league race analysis</i>
date	29-Aug-19	time	6.3	11.3	16.4	21.74	21.74	6 / 1	
reaction time	0.143	interval		5.0	5.1	5.34	NR	# of strides	11.30 10.44 0.86
wind	-0.4 m/s	velocity	7.94	10.00	9.80	9.36	9.20	90.7	8.85 9.58
Jones, Marion (USA) (1975)									
FINAL	- 1997 Weltklasse (Zurich, SUI)								<i>Track Newsletter (1997) - Zurich GP</i>
date	13-Aug-97	time		11.1		21.8	21.76	/ 1	
reaction time		interval				10.70		# of strides	11.10 10.70 0.40
wind	-0.8 m/s	velocity		9.01		9.35	9.19		9.01 9.35
Torrence, Gwen (USA) (1965)									
FINAL	- 1995 IAAF World Championships (Göteborg, SWE)								<i>Veney - 200m women from PJ</i>
date	10-Aug-95	time		11.14	16.17	21.77	21.77	6 / 4	
reaction time		interval			5.03	5.60	DQ	# of strides	11.14 10.63 0.51
wind	-2.2 m/s	velocity		8.98	9.94	8.93	9.19	96.0	8.98 9.41
Miller, Inger (USA) (1972)									
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)								<i>Ferro (2001) - biomechanical analysis of the 7th world championships in athletics seville 1999</i>
date	27-Aug-99	time	6.16	11.10	16.23	21.77	21.77	3 / 1	
reaction time	0.124	interval		4.94	5.13	5.54	PB	# of strides	11.10 10.67 0.43
wind	0.6 m/s	velocity	8.12	10.12	9.75	9.03	9.19		9.01 9.37
Steiner, Abby (USA) (1999)									
FINAL	- 2022 USATF National Championships (Eugene, OR)								<i>Track Newsletter (2022) - USATF championships women</i>
date	26-Jun-22	time	6.34	11.36	16.47	21.77	21.77	/ 1	
reaction time		interval		5.02	5.11	5.30	PB	# of strides	11.36 10.41 0.95
wind	-0.3 m/s	velocity	7.89	9.96	9.78	9.43	9.19		8.80 9.61
Thompson, Elaine (JAM) (1992)									
FINAL	- 2016 Olympic Games (Rio de Janeiro, BRA)								<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>
date	17-Aug-16	time		11.0		21.78	21.78	6 / 1	
reaction time	0.152	interval				10.78		# of strides	11.00 10.78 0.22
wind	-0.1 m/s	velocity		9.09		9.28	9.18	97.5	9.09 9.28
Thomas, Gabrielle (USA) (1996)									
Semi-Final 3	- 2024 USA Olympic Trials (Eugene, OR)								<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>
date	28-Jun-24	time	6.28	11.26	16.34	21.78	21.78	7 / 1	
reaction time		interval		4.98	5.08	5.44		# of strides	11.26 10.52 0.74
wind	1.4 m/s	velocity	7.96	10.04	9.84	9.19	9.18	88.0	8.88 9.51
Jackson, Shericka (JAM) (1994)									
FINAL	- 2022 Weltklasse (Zürich, SUI)								<i>Omega Timing (2022) - diamond league race analysis</i>
date	08-Sep-22	time	6.12	11.02	16.20	21.80	21.80	5 / 1	
reaction time	0.140	interval		4.90	5.18	5.60		# of strides	11.02 10.78 0.24
wind	-0.9 m/s	velocity	8.17	10.20	9.65	8.93	9.17	94.0	9.07 9.28
Brisco-Hooks, Valerie (USA) (1960)									
FINAL	- 1984 Olympic Games (Los Angeles, CA)								<i>Vogel (1984) - olympische spiele in los angeles</i>
date	09-Aug-84	time		11.20		21.81	21.81	7 / 1	
reaction time	0.200	interval				10.61	OR / PB	# of strides	11.20 10.61 0.59
wind	-0.1 m/s	velocity		8.93		9.43	9.17	96.0	8.93 9.43
Torrence, Gwen (USA) (1965)									
FINAL	- 1992 Olympic Games (Barcelona, ESP)								<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>
date	06-Aug-92	time		11.27		21.81	21.81	6 / 1	
reaction time		interval				10.54		# of strides	11.27 10.54 0.73
wind	-0.6 m/s	velocity		8.87		9.49	9.17	98.5	8.87 9.49
Felix, Allyson (USA) (1985)									
FINAL	- 2007 IAAF World Championships (Osaka, JPN)								<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>
date	31-Aug-07	time	6.19	11.15	16.28	21.81	21.81	5 / 1	
reaction time	0.172	interval		4.96	5.13	5.53	PB	# of strides	11.15 10.66 0.49

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

wind	1.7 m/s	velocity	8.08	10.08	9.75	9.04	9.17	87.5	8.97	9.38
Mboma, Christine (NAM) (2003) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2020 Olympic Games (Tokyo, JPN) <i>Vazel (2021) - https://twitter.com/pjvazel/status/1422593785813377036?s=21</i>										
date	03-Aug-21	time	11.40	16.50	21.81	21.81	5 / 2			
reaction time	0.169	interval		5.10	5.31	AR WJR	# of strides	11.40	10.41	0.99
wind	0.8 m/s	velocity	8.77	9.80	9.42	9.17	97.0	8.77	9.61	
Fraser-Price, Shelly-Ann (JAM) (1986) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	21-Jul-22	time	11.03		21.81	21.81	6 / 2			
reaction time	0.145	interval			10.78		# of strides	11.03	10.78	0.25
wind	0.6 m/s	velocity	9.07		9.28	9.17	98.0	9.07	9.28	
Thomas, Gabrielle (USA) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>										
date	25-Aug-23	time	11.20		21.81	21.81	8 / 2			
reaction time	0.162	interval			10.61		# of strides	11.20	10.61	0.59
wind	0.1 m/s	velocity	8.93		9.43	9.17	89.5	8.93	9.43	
Thomas, Gabrielle (USA) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2024 USA Olympic Trials (Eugene, OR) <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	29-Jun-24	time	6.24	11.31	16.30	21.81	21.81	8 / 1		
reaction time		interval		5.07	4.99	5.51	# of strides	11.31	10.50	0.81
wind	0.6 m/s	velocity	8.01	9.86	10.02	9.07	9.17	90.0	8.84	9.52
Felix, Allyson (USA) (1985) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>										
date	06-Jul-08	time	6.30	11.28	16.33	21.82	21.82	5 / 1		
reaction time		interval		4.98	5.05	5.49	# of strides	11.28	10.54	0.74
wind	5.6 m/s	velocity	7.94	10.04	9.90	9.11	9.17	8.87	9.49	
Fraser-Price, Shelly-Ann (JAM) (1986) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	19-Jul-22	time	11.08		21.82	21.82	6 / 1			
reaction time	0.146	interval			10.74		# of strides	11.08	10.74	0.34
wind	-0.1 m/s	velocity	9.03		9.31	9.17	96.5	9.03	9.31	
Jackson, Shericka (JAM) (1994) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2023 Weltklasse (Zürich, SUI) <i>Omega Timing (2023) - diamond league race analysis</i>										
date	31-Aug-23	time	6.18	11.15	16.32	21.82	21.82	6 / 1		
reaction time	0.150	interval		4.97	5.17	5.50	# of strides	11.15	10.67	0.48
wind	-0.8 m/s	velocity	8.09	10.06	9.67	9.09	9.17	94.7	8.97	9.37
Thomas, Gabrielle (USA) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2024 London Athletics Meet (London, GBR) <i>Omega Timing (2024) - diamond league race analysis</i>										
date	20-Jul-24	time	6.39	11.39	16.48	21.82	21.82	6 / 1		
reaction time	0.209	interval		5.00	5.09	5.34	# of strides	11.39	10.43	0.96
wind	-0.9 m/s	velocity	7.82	10.00	9.82	9.36	9.17	89.0	8.78	9.59
Thomas, Gabrielle (USA) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	06-Aug-24	time	6.18	11.10	16.28	21.83	21.83	7 / 1		
reaction time	0.165	interval		4.92	5.18	5.55	# of strides	11.10	10.73	0.37
wind	-0.6 m/s	velocity	8.09	10.16	9.65	9.01	9.16	90.7	9.01	9.32
Jones, Marion (USA) (1975) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2000 Olympic Games (Sydney, AUS) <i>Verney - 200m women from PJ</i>										
date	28-Sep-00	time	11.03	16.23	21.84	21.84	4 / 4			
reaction time	0.174	interval		5.20	5.61	DV	# of strides	11.03	10.81	0.22
wind	0.7 m/s	velocity	9.07	9.62	8.91	9.16	93.7	9.07	9.25	
Mboma, Christine (NAM) (2003) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2021 Memorial van Damme (Brussels, BEL) <i>Omega Timing (2021) - diamond league race analysis</i>										
date	03-Sep-21	time	6.4	11.4	16.5	21.84	21.84	5 / 1		
reaction time	0.185	interval		5.00	5.10	5.34	# of strides	11.40	10.44	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	0.4 m/s	velocity	7.81	10.00	9.80	9.36	9.16	96.0	8.77	9.58	
Jackson, Shericka (JAM) (1994)											
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	06-Aug-22	time	6.23	11.22	16.35	21.84	21.84	6 / 1			
reaction time	0.173	interval		4.99	5.13	5.49		# of strides	11.22	10.62	0.60
wind	0.2 m/s	velocity	8.03	10.02	9.75	9.11	9.16	94.6	8.91	9.42	
Jefferson, Melissa (USA) (2001)											
FINAL - 2025 USATF Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.14	11.14	16.31	21.84	21.84	7 / 1			
reaction time		interval		5.00	5.17	5.53	PB	# of strides	11.14	10.70	0.44
wind	0.5 m/s	velocity	8.14	10.00	9.67	9.04	9.16	99.5	8.98	9.35	
Koch, Marita (GDR) (1957)											
FINAL - 1979 East German Club Cup (Karl-Marx-Stadt, GDR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>											
date	27-May-79	time		11.24		21.85	21.85	/ 1			
reaction time		interval				10.61		# of strides	11.24	10.61	0.63
wind	2.6 m/s	velocity		8.90		9.43	9.15		8.90	9.43	
Wöckel, Bärbel (GDR) (1955)											
FINAL - 1984 Olympischen Tag (Potsdam, GDR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>											
date	21-Jul-84	time		11.27		21.85	21.85	/ 2			
reaction time		interval				10.58	PB	# of strides	11.27	10.58	0.69
wind	0.3 m/s	velocity		8.87		9.45	9.15		8.87	9.45	
Jackson, Shericka (JAM) (1994)											
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2023) - diamond league race analysis</i>											
date	21-Jul-23	time	6.22	11.20	16.38	21.86	21.86	5 / 1			
reaction time	0.163	interval		4.98	5.18	5.48		# of strides	11.20	10.66	0.54
wind	0.2 m/s	velocity	8.04	10.04	9.65	9.12	9.15	93.0	8.93	9.38	
Alfred, Julien (LCA) (2001)											
FINAL - 2024 London Athletics Meet (London, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	20-Jul-24	time	6.27	11.31	16.41	21.86	21.86	7 / 2			
reaction time	0.159	interval		5.04	5.10	5.45	NR PB	# of strides	11.31	10.55	0.76
wind	-0.9 m/s	velocity	7.97	9.92	9.80	9.17	9.15	96.0	8.84	9.48	
Thomas, Gabrielle (USA) (1996)											
Semi-Final 2 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.22	11.14	16.30	21.86	21.86	8 / 1			
reaction time	0.188	interval		4.92	5.16	5.56		# of strides	11.14	10.72	0.42
wind	0.2 m/s	velocity	8.04	10.16	9.69	8.99	9.15	88.2	8.98	9.33	
Felix, Allyson (USA) (1985)											
FINAL - 2012 Olympic Games (London, GBR)			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	08-Aug-12	time		11.05		21.88	21.88	7 / 1			
reaction time	0.174	interval				10.83		# of strides	11.05	10.83	0.22
wind	-0.2 m/s	velocity		9.05		9.23	9.14	98.2	9.05	9.23	
Schippers, Dafne (NED) (1992)											
FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>											
date	17-Aug-16	time		11.2		21.88	21.88	4 / 2			
reaction time	0.141	interval				10.68		# of strides	11.20	10.68	0.52
wind	-0.1 m/s	velocity		8.93		9.36	9.14		8.93	9.36	
Miller-Uibo, Shaunae (BAH) (1994)											
FINAL - 2017 Weltklasse (Zürich, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2017.08.25) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en</i>											
date	24-Aug-17	time		11.38		21.88	21.88	7 / 1			
reaction time	0.129	interval				10.50	NR	# of strides	11.38	10.50	0.88
wind	0.1 m/s	velocity		8.79		9.52	9.14	90.0	8.79	9.52	
Asher-Smith, Dina (GBR) (1995)											
FINAL - 2019 IAAF World Championships (Doha, QAT)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>											
date	02-Oct-19	time	6.07	11.05	16.25	21.88	21.88	7 / 1			
reaction time	0.138	interval		4.98	5.20	5.63	NR PB	# of strides	11.05	10.83	0.22

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DV=Drug Violation

wind	0.9 m/s	velocity	8.24	10.04	9.62	8.88	9.14	92.7	9.05	9.23	
Brown, Brittany (USA) (1995)											
FINAL	- 2025 Athlos (Randalls Island, NY)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Oct-25	time	6.33	11.14	16.34	21.89	21.89	7 / 1	<i>Athlos and Karmarush (2025). Athlos results and race analysis</i>		
reaction time		interval	4.81	5.20	5.55	PB	# of strides		11.14	10.75	0.39
wind	1.9 m/s	velocity	7.90	10.40	9.62	9.01	9.14	92.0	8.98	9.30	
Koch, Marita (GDR) (1957)											
FINAL	- 1985 World Cup (Canberra, AUS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	04-Oct-85	time	11.23	16.41	21.90	21.90	21.90	1 / 1	<i>Veney - 200m women from PJ</i>		
reaction time		interval	5.18	5.49			# of strides		11.23	10.67	0.56
wind	-0.7 m/s	velocity	8.90	9.65	9.11	9.13	99.2		8.90	9.37	
Brown, Brittany (USA) (1995)											
FINAL	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	29-Jun-24	time		16.36	21.97	21.90	21.90	9 / 2	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>		
reaction time		interval		5.61		PB	# of strides				
wind	0.6 m/s	velocity		9.17	8.91	9.13	95.0				
Jones, Marion (USA) (1975)											
FINAL	- 1999 Ericsson (Helsinki, FIN) (TV Analysis)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Jun-99	time	11.12		21.91	21.91	21.91	4 / 1	<i>Graubner (2008) - http://www.fgs.uni-halle.de</i>		
reaction time		interval			10.79		# of strides		11.12	10.79	0.33
wind	-0.4 m/s	velocity	8.99		9.27	9.13	93.0		8.99	9.27	
Jackson, Shericka (JAM) (1994)											
FINAL	- 2022 Golden Gala Pietro Mennea (Rome, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	09-Jun-22	time	6.19	11.18	16.35	21.91	21.91	4 / 1	<i>Omega Timing (2022) - diamond league race analysis</i>		
reaction time	0.158	interval	4.99	5.17	5.56		# of strides		11.18	10.73	0.45
wind	1.3 m/s	velocity	8.08	10.02	9.67	8.99	9.13	95.0	8.94	9.32	
Long, McKenzie (USA) (2000)											
FINAL	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	29-Jun-24	time	6.26	11.36	16.49	21.91	21.91	7 / 3	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>		
reaction time		interval	5.10	5.13	5.42		# of strides		11.36	10.55	0.81
wind	0.6 m/s	velocity	7.99	9.80	9.75	9.23	9.13	101.7	8.80	9.48	
Clark, Tamara (USA) (1999)											
FINAL	- 2022 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-Jun-22	time	6.19	11.30	16.45	21.92	21.92	1 / 2	<i>Track Newsletter (2022) - USATF championships women</i>		
reaction time		interval	5.11	5.15	5.47	PB	# of strides		11.30	10.62	0.68
wind	-0.3 m/s	velocity	8.08	9.78	9.71	9.14	9.12		8.85	9.42	
Richardson, Sha'Carri (USA) (2000)											
FINAL	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	25-Aug-23	time	11.30		21.92	21.92	21.92	9 / 3	<i>Seiko Timing (2023) - world championship race analysis</i>		
reaction time	0.171	interval			10.62		# of strides		11.30	10.62	0.68
wind	0.1 m/s	velocity	8.85		9.42	9.12	98.5		8.85	9.42	
Richardson, Sha'Carri (USA) (2000)											
Semi-Final 1	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-Jun-24	time	6.29	11.29	16.45	21.92	21.92	6 / 1	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>		
reaction time		interval	5.00	5.16	5.47	-PB	# of strides		11.29	10.63	0.66
wind	1.8 m/s	velocity	7.95	10.00	9.69	9.14	9.12	99.0	8.86	9.41	
Marshall, Pam (USA) (1960)											
FINAL	- 1988 USA Olympic Trials (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Jul-88	time	11.43	16.59	21.93	21.93	21.93	4 / 2	<i>Veney - 200m women from PJ</i>		
reaction time		interval	5.16	5.34		PB	# of strides		11.43	10.50	0.93
wind	1.3 m/s	velocity	8.75	9.69	9.36	9.12	90.2		8.75	9.52	
Felix, Allyson (USA) (1985)											
FINAL	- 2008 Olympic Games (Beijing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	21-Aug-08	time	11.17		21.93	21.93	21.93	5 / 2	<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>		
reaction time	0.193	interval			10.76		# of strides		11.17	10.76	0.41

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wind	0.6 m/s	velocity	8.95	9.29	9.12	89.5	8.95	9.29			
Schippers, Dafne (NED) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Bislett Games (Oslo, NOR)							(2016.06.09) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en				
date	09-Jun-16	time	6.25	11.15		21.93	21.93	5 / 1			
reaction time	0.150	interval		4.90		10.78		# of strides	11.15	10.78	0.37
wind	0.7 m/s	velocity	8.00	10.20		9.28	9.12	90.5	8.97	9.28	
Jones, Marion (USA) (1975)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 USA Olympic Trials (Sacramento, CA)									Track Newsletter (2000) - US olympic trials		
date	23-Jul-00	time		11.1		21.9	21.94	5 / 1			
reaction time		interval				10.80		# of strides	11.10	10.80	0.30
wind	0.5 m/s	velocity		9.01		9.26	9.12		9.01	9.26	
Drechsler, Heike (GDR) (1964)			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	29-Sep-88	time	6.29	11.36	16.51	21.95	21.95	1 / 3			
reaction time	0.172	interval		5.07	5.15	5.44		# of strides	11.36	10.59	0.77
wind	1.3 m/s	velocity	7.95	9.86	9.71	9.19	9.11	89.5	8.80	9.44	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Memorial van Damme (Brussels, BEL)									Omega Timing (2021) - diamond league race analysis		
date	03-Sep-21	time	6.3	11.3	16.4	21.95	21.95	6 / 2			
reaction time	0.193	interval		5.00	5.10	5.55		# of strides	11.30	10.65	0.65
wind	0.4 m/s	velocity	7.94	10.00	9.80	9.01	9.11	95.5	8.85	9.39	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)									Timing by Seiko (2022) - world athletics championships race analysis		
date	19-Jul-22	time		11.29		21.95	21.95	3 / 1			
reaction time	0.175	interval				10.66		# of strides	11.29	10.66	0.63
wind	1.4 m/s	velocity		8.86		9.38	9.11	99.5	8.86	9.38	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)									Grand Slam Track (2025) - results and splits by race		
date	04-May-25	time	6.29	11.33	16.54	21.95	21.95	4 / 1			
reaction time	0.190	interval		5.04	5.21	5.41		# of strides	11.33	10.62	0.71
wind	1.1 m/s	velocity	7.95	9.92	9.60	9.24	9.11	88.0	8.83	9.42	
Griffith-Joyner, Florence (USA) (1959)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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	6.14	11.39	16.50	21.96	21.96	5 / 2			
reaction time	0.141	interval		5.25	5.11	5.46	PB	# of strides	11.39	10.57	0.82
wind	1.2 m/s	velocity	8.14	9.52	9.78	9.16	9.11	95.0	8.78	9.46	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)									Timing by Seiko (2022) - world athletics championships race analysis		
date	19-Jul-22	time		11.24		21.96	21.96	4 / 2			
reaction time	0.131	interval				10.72		# of strides	11.24	10.72	0.52
wind	1.4 m/s	velocity		8.90		9.33	9.11	95.0	8.90	9.33	
Campbell-Brown, Veronica (JAM) (19			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 IAAF World Championships (Beijing, CHN)									Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015		
date	28-Aug-15	time	6.12	11.04	16.25	21.97	21.97	2 / 3			
reaction time	0.142	interval		4.92	5.21	5.72		# of strides	11.04	10.93	0.11
wind	0.2 m/s	velocity	8.17	10.16	9.60	8.74	9.10	94.2	9.06	9.15	
Thompson-Herah, Elaine (JAM) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)									Timing by Seiko (2022) - world athletics championships race analysis		
date	19-Jul-22	time		11.23		21.97	21.97	6 / 3			
reaction time	0.157	interval				10.74		# of strides	11.23	10.74	0.49
wind	1.4 m/s	velocity		8.90		9.31	9.10	97.0	8.90	9.31	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)									Seiko Timing (2023) - world championship race analysis		
date	24-Aug-23	time		11.31		21.97	21.97	8 / 1			
reaction time	0.172	interval				10.66		# of strides	11.31	10.66	0.65

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DV=Drug Violation

wind	-0.1 m/s	velocity	8.84	9.38	9.10	89.0	8.84	9.38			
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			Veney - 200m women from PJ								
date	19-Aug-93	time	6.21	11.15	16.33	21.98	21.98	4 / 1			
reaction time	0.219	interval		4.94	5.18	5.65		# of strides	11.15	10.83	0.32
wind	0.0 m/s	velocity	8.05	10.12	9.65	8.85	9.10	92.5	8.97	9.23	
Thomas, Gabrielle (USA) (1996)			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	11.1	17.9	21.98	21.98	5 / 1			
reaction time	0.172	interval		4.90	6.80	4.08		# of strides	11.10	10.88	0.22
wind	1.3 m/s	velocity	8.06	10.20	7.35	12.25	9.10	89.2	9.01	9.19	
Seyni, Aminatou (NIG) (1996)			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		11.50		21.98	21.98	6 / 1			
reaction time	0.174	interval				10.48	NR PB	# of strides	11.50	10.48	1.02
wind	1.1 m/s	velocity		8.70		9.54	9.10	94.0	8.70	9.54	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			Omega Timing (2023) - diamond league race analysis								
date	28-May-23	time	6.20	11.23	16.41	21.98	21.98	6 / 1			
reaction time	0.161	interval		5.03	5.18	5.57		# of strides	11.23	10.75	0.48
wind	0.8 m/s	velocity	8.06	9.94	9.65	8.98	9.10	96.0	8.90	9.30	
Alfred, Julien (LCA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	05-Aug-24	time	6.18	11.19	16.36	21.98	21.98	7 / 1			
reaction time	0.146	interval		5.01	5.17	5.62		# of strides	11.19	10.79	0.40
wind	0.0 m/s	velocity	8.09	9.98	9.67	8.90	9.10	96.0	8.94	9.27	
Ottey, Merlene (JAM) (1960)			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	29-Sep-88	time	6.20	11.19	16.34	21.99	21.99	3 / 4			
reaction time	0.180	interval		4.99	5.15	5.65	PB	# of strides	11.19	10.80	0.39
wind	1.3 m/s	velocity	8.06	10.02	9.71	8.85	9.10	90.4	8.94	9.26	
Lee, Muna (USA) (1981)			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	6.27	11.28	16.38	21.99	21.99	6 / 2			
reaction time		interval		5.01	5.10	5.61		# of strides	11.28	10.71	0.57
wind	5.6 m/s	velocity	7.97	9.98	9.80	8.91	9.10		8.87	9.34	
Richardson, Sha'Carri (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	6.12	11.18	16.29	21.99	21.99	6 / 1			
reaction time		interval		5.06	5.11	5.70		# of strides	11.18	10.81	0.37
wind	0.5 m/s	velocity	8.17	9.88	9.78	8.77	9.10	98.2	8.94	9.25	
Jefferson, Melissa (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			Grand Slam Track (2025) - results and splits by race								
date	31-May-25	time	6.13	11.17	16.43	21.99	21.99	7 / 1			
reaction time	0.180	interval		5.04	5.26	5.56	PB	# of strides	11.17	10.82	0.35
wind	1.1 m/s	velocity	8.16	9.92	9.51	8.99	9.10	98.5	8.95	9.24	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	18-Sep-25	time		11.08		21.99	21.99	7 / 1			
reaction time	0.162	interval				10.91		# of strides	11.08	10.91	0.17
wind	-0.1 m/s	velocity		9.03		9.17	9.10	94.0	9.03	9.17	
Torrence, Gwen (USA) (1965)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			Veney - 200m women from PJ								
date	19-Aug-83	time	6.30	11.28	16.44	22.00	22.00	6 / 2			
reaction time	0.244	interval		4.98	5.16	5.56		# of strides	11.28	10.72	0.56

wind	0.0 m/s	velocity	7.94	10.04	9.69	8.99	9.09	97.5	8.87	9.33	
Stewart, Kerron (JAM) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Olympic Games (Beijing, CHN)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	21-Aug-08	time		11.15		22.00	22.00	6 / 3			
reaction time	0.199	interval				10.85		# of strides	11.15	10.85	0.30
wind	0.6 m/s	velocity		8.97		9.22	9.09	93.0	8.97	9.22	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		11.20		22.00	22.00	7 / 1			
reaction time	0.187	interval				10.80		# of strides	11.20	10.80	0.40
wind	-0.2 m/s	velocity		8.93		9.26	9.09	94.0	8.93	9.26	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	30-Aug-24	time		6.27	11.21	16.41	22.00	22.00	7 / 1		
reaction time	0.213	interval			4.94	5.20	5.59	# of strides	11.21	10.79	0.42
wind	0.4 m/s	velocity		7.97	10.12	9.62	8.94	9.09	92.7	8.92	9.27
Jefferson-Wooden, Melissa (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	18-Sep-25	time		11.03		22.00	22.00	7 / 1			
reaction time	0.174	interval				10.97		# of strides	11.03	10.97	0.06
wind	0.1 m/s	velocity		9.07		9.12	9.09	97.0	9.07	9.12	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Olympic Games (Beijing, CHN)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	21-Aug-08	time		11.10		22.01	22.01	9 / 4			
reaction time	0.176	interval				10.91	PB	# of strides	11.10	10.91	0.19
wind	0.6 m/s	velocity		9.01		9.17	9.09	93.2	9.01	9.17	
McGrone, Candyce (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 IAAF World Championships (Beijing, CHN)			<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>								
date	28-Aug-15	time		11.0		22.0	22.01	7 / 4			
reaction time	0.158	interval				11.00	PB	# of strides	11.00	11.00	0.00
wind	0.2 m/s	velocity		9.09		9.09	9.09	96.5	9.09	9.09	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 USATF National Championships (Eugene, OR)			<i>Track Newsletter (2022) - USATF championships women</i>								
date	26-Jun-22	time		6.29	11.27	16.42	22.01	22.01	/ 3		
reaction time		interval			4.98	5.15	5.59	# of strides	11.27	10.74	0.53
wind	-0.3 m/s	velocity		7.95	10.04	9.71	8.94	9.09	8.87	9.31	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	28-Jun-24	time		6.32	11.45	16.59	22.01	22.01	6 / 1		
reaction time		interval			5.13	5.14	5.42	# of strides	11.45	10.56	0.89
wind	0.6 m/s	velocity		7.91	9.75	9.73	9.23	9.09	102.0	8.73	9.47
Cuthbert, Juliet (JAM) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1992 Olympic Games (Barcelona, ESP)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	06-Aug-92	time		11.3		22.0	22.02	4 / 2			
reaction time		interval				10.70		# of strides	11.30	10.70	0.60
wind	-0.6 m/s	velocity		8.85		9.35	9.08	97.0	8.85	9.35	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	21-Aug-09	time		6.25	11.16	16.37	22.02	22.02	6 / 1		
reaction time	0.173	interval			4.91	5.21	5.65	# of strides	11.16	10.86	0.30
wind	-0.1 m/s	velocity		8.00	10.18	9.60	8.85	9.08	89.2	8.96	9.21
Jefferson, Kyra (USA) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 NCAA Championships (Eugene, OR)			<i>Track Newsletter (2017) - NCAA women's championships</i>								
date	10-Jun-17	time		11.5		22.0	22.02	5 / 1			
reaction time		interval				10.50	PB	# of strides	11.50	10.50	1.00

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DV=Drug Violation

wind	1.1 m/s	velocity	8.70	9.52	9.08	95.2	8.70	9.52			
Asher-Smith, Dina (GBR) (1995)											
FINAL - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Timing by Seiko (2022) - world athletics championships race analysis											
date	21-Jul-22	time		11.08		22.02	22.02	3 / 3			
reaction time	0.125	interval				10.94		# of strides	11.08	10.94	0.14
wind	0.6 m/s	velocity		9.03		9.14	9.08	95.0	9.03	9.14	
Thompson-Herah, Elaine (JAM) (1992)											
FINAL - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Longines Timing (2022) - commonwealth games race analysis											
date	06-Aug-22	time	6.1	11.1	16.3	22.02	22.02	7 / 1			
reaction time	0.173	interval		5.00	5.20	5.72	CR	# of strides	11.10	10.92	0.18
wind	0.6 m/s	velocity	8.20	10.00	9.62	8.74	9.08	97.0	9.01	9.16	
Eckert-Wöckel, Bärbel (GDR) (1955)											
FINAL - 1980 Olympic Games (Moscow, URS)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Veney - 200m women from PJ											
date	30-Jul-80	time		11.46	16.59	22.03	22.03	1 / 1			
reaction time	0.140	interval			5.13	5.44	OR	# of strides	11.46	10.57	0.89
wind	1.4 m/s	velocity		8.73	9.75	9.19	9.08	101.5	8.73	9.46	
Torrence, Gwen (USA) (1965)											
FINAL - 1995 USATF National Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (1995)											
date	18-Jun-95	time	6.23	11.25	16.46	22.03	22.03	5 / 1			
reaction time		interval		5.02	5.21	5.57		# of strides	11.25	10.78	0.47
wind	2.3 m/s	velocity	8.03	9.96	9.60	8.98	9.08	96.5	8.89	9.28	
Steiner, Abby (USA) (1999)											
Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF and Karmarush (2024) - USA Olympic trials results and race analysis											
date	28-Jun-24	time	6.36	11.41	16.53	22.03	22.03	8 / 2			
reaction time		interval		5.05	5.12	5.50		# of strides	11.41	10.62	0.79
wind	1.4 m/s	velocity	7.86	9.90	9.77	9.09	9.08	51.0	8.76	9.42	
Griffith, Florence (USA) (1959)											
FINAL - 1984 Olympic Games (Los Angeles, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Vogel (1984) - olympische spiele in los angeles											
date	09-Aug-84	time		11.17		22.04	22.04	4 / 2			
reaction time	0.185	interval				10.87	PB	# of strides	11.17	10.87	0.30
wind	0.1 m/s	velocity		8.95		9.20	9.07	93.0	8.95	9.20	
Asher-Smith, Dina (GBR) (1995)											
FINAL - 2021 Memorial van Damme (Brussels, BEL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2021) - diamond league race analysis											
date	03-Sep-21	time	6.2	11.3	16.6	22.04	22.04	3 / 3			
reaction time	0.179	interval		5.10	5.30	5.44		# of strides	11.30	10.74	0.56
wind	0.4 m/s	velocity	8.06	9.80	9.43	9.19	9.07	94.0	8.85	9.31	
Seyni, Aminatou (NIG) (1996)											
Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Timing by Seiko (2022) - world athletics championships race analysis											
date	19-Jul-22	time		11.54		22.04	22.04	3 / 2			
reaction time	0.176	interval				10.50		# of strides	11.54	10.50	1.04
wind	2.0 m/s	velocity		8.67		9.52	9.07	95.0	8.67	9.52	
Campbell, Veronica (JAM) (1982)											
FINAL - 2004 Olympic Games (Athens, GRE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016											
date	25-Aug-04	time		11.1		22.1	22.05	4 / 1			
reaction time		interval				11.0		# of strides	11.10	11.00	0.10
wind	0.8 m/s	velocity		9.01		9.09	9.07	97.0	9.01	9.09	
Schippers, Dafne (NED) (1992)											
FINAL - 2017 IAAF World Championships (London, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takahashi (2017) - 200m running performance analysis in the 2017 season											
date	11-Aug-17	time	6.22	11.14	16.31	22.05	22.05	6 / 1			
reaction time	0.165	interval		4.92	5.17	5.74		# of strides	11.14	10.91	0.23
wind	0.8 m/s	velocity	8.04	10.16	9.67	8.71	9.07	92.2	8.98	9.17	
Kambundji, Mujinga (SUI) (1992)											
Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Timing by Seiko (2022) - world athletics championships race analysis											
date	19-Jul-22	time		11.23		22.05	22.05	6 / 3			
reaction time	0.125	interval				10.82	NR PB	# of strides	11.23	10.82	0.41

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wind	2.0 m/s	velocity	8.90	9.24	9.07	101.0	8.90	9.24			
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting de Paris (Paris, FRA)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	09-Jun-23	time	6.18	11.21	16.42	22.05	22.05	6 / 1			
reaction time	0.170	interval		5.03	5.21	5.63		# of strides	11.21	10.84	0.37
wind	-0.4 m/s	velocity	8.09	9.94	9.60	8.88	9.07	88.0	8.92	9.23	
Alfred, Julien (LCA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	25-Aug-23	time		11.26		22.05	22.05	7 / 4			
reaction time	0.159	interval				10.79		# of strides	11.26	10.79	0.47
wind	0.1 m/s	velocity		8.88		9.27	9.07	97.7	8.88	9.27	
Ofili, Favour (NGR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	05-Aug-24	time	6.22	11.19	16.43	22.05	22.05	6 / 2			
reaction time	0.141	interval		4.97	5.24	5.62		# of strides	11.19	10.86	0.33
wind	0.0 m/s	velocity	8.04	10.06	9.54	8.90	9.07	91.0	8.94	9.21	
Davis, Tamari (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.36	11.37	16.55	22.05	22.05	8 / 2			
reaction time	0.210	interval		5.01	5.18	5.50	PB	# of strides	11.37	10.68	0.69
wind	1.1 m/s	velocity	7.86	9.98	9.65	9.09	9.07	90.0	8.80	9.36	
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.24	11.35	16.49	22.06	22.06	4 / 3			
reaction time	0.177	interval		5.11	5.14	5.57	PB	# of strides	11.35	10.71	0.64
wind	1.2 m/s	velocity	8.01	9.78	9.73	8.98	9.07	92.0	8.81	9.34	
Tarmoh, Jeneba (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 USATF National Championships (Sacramento, CA)			<i>Track Newsletter (2014) - USATF women's championships</i>								
date	29-Jun-14	time		11.3		22.1	22.06	/ 1			
reaction time	0.152	interval				10.80		# of strides	11.30	10.80	0.50
wind	3.8 m/s	velocity		8.85		9.26	9.07		8.85	9.26	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	10-Jun-21	time	6.3	11.4	16.7	22.06	22.06	5 / 1			
reaction time	0.136	interval		5.10	5.30	5.36		# of strides	11.40	10.66	0.74
wind	0.2 m/s	velocity	7.94	9.80	9.43	9.33	9.07	94.0	8.77	9.38	
Jefferson, Melissa (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 USATF Championships (Eugene, OR)			<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>								
date	03-Aug-25	time	6.14	11.21	16.40	22.06	22.06	7 / 1			
reaction time		interval		5.07	5.19	5.66		# of strides	11.21	10.85	0.36
wind	0.0 m/s	velocity	8.14	9.86	9.63	8.83	9.07		8.92	9.22	
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	29-Sep-88	time	6.36	11.42	16.63	22.07	22.07	3 / 2			
reaction time	0.176	interval		5.06	5.21	5.44		# of strides	11.42	10.65	0.77
wind	1.7 m/s	velocity	7.86	9.88	9.60	9.19	9.06	91.2	8.76	9.39	
Pérec, Marie-José (FRA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1996 Olympic Games (Atlanta, GA)			<i>Vazel (2011) - speed reserve in the 400m</i>								
date	01-Aug-96	time		11.28		22.07	22.07	4 / 1			
reaction time	0.185	interval				10.79		# of strides	11.28	10.79	0.49
wind	0.4 m/s	velocity		8.87		9.27	9.06		8.87	9.27	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 IAAF World Championships (Beijing, CHN)			<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>								
date	28-Aug-15	time		11.2		22.1	22.07	4 / 5			
reaction time	0.162	interval				10.90	NR PB	# of strides	11.20	10.90	0.30

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DV=Drug Violation

wind	0.2 m/s	velocity	8.93	9.17	9.06	92.2	8.93	9.17			
Jackson, Shericka (JAM) (1994)			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	11.2	16.4	22.07	22.07	6 / 2			
reaction time	0.165	interval		5.00	5.20	5.67		# of strides	11.20	10.87	0.33
wind	1.3 m/s	velocity	8.06	10.00	9.62	8.82	9.06	94.7	8.93	9.20	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 London Athletics Meet (London, GBR)			Omega Timing (2024) - diamond league race analysis								
date	20-Jul-24	time	6.15	11.14	16.35	22.07	22.07	5 / 3			
reaction time	0.176	interval		4.99	5.21	5.72		# of strides	11.14	10.93	0.21
wind	-0.9 m/s	velocity	8.13	10.02	9.60	8.74	9.06	96.0	8.98	9.15	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time	6.29			22.07	22.07	8 / 1			
reaction time	0.146	interval				15.78		# of strides			
wind	0.1 m/s	velocity	7.95			9.51	9.06	93.0			
Ta Lou, Marie Josée (CIV) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 IAAF World Championships (London, GBR)			Takahashi (2017) - 200m running performance analysis in the 2017 season								
date	11-Aug-17	time	6.17	11.17	16.39	22.08	22.08	4 / 2			
reaction time	0.199	interval		5.00	5.22	5.69	NR	# of strides	11.17	10.91	0.26
wind	0.8 m/s	velocity	8.10	10.00	9.58	8.79	9.06	98.1	8.95	9.17	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Weltklasse (Zürich, SUI)			Omega Timing (2019) - diamond league race analysis								
date	29-Aug-19	time	6.2	11.1	16.4	22.08	22.08	4 / 2			
reaction time	0.135	interval		4.9	5.3	5.68		# of strides	11.10	10.98	0.12
wind	-0.4 m/s	velocity	8.06	10.20	9.43	8.80	9.06	95.2	9.01	9.11	
Prandini, Jenna (USA) (1992)			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		11.26		22.08	22.08	4 / 4			
reaction time	0.161	interval				10.82		# of strides	11.26	10.82	0.44
wind	2.0 m/s	velocity		8.88		9.24	9.06	96.0	8.88	9.24	
Alfred, Julien (LCA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)			Omega Timing (2023) - diamond league race analysis								
date	21-Jul-23	time	6.23	11.26	16.50	22.08	22.08	7 / 2			
reaction time	0.210	interval		5.03	5.24	5.58		# of strides	11.26	10.82	0.44
wind	0.2 m/s	velocity	8.03	9.94	9.54	8.96	9.06	99.0	8.88	9.24	
Brown, Brittany (USA) (1995)			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	6.24	11.31	16.49	22.08	22.08	8 / 2			
reaction time		interval		5.07	5.18	5.59		# of strides	11.31	10.77	0.54
wind	0.6 m/s	velocity	8.01	9.86	9.65	8.94	9.06	95.2	8.84	9.29	
Alfred, Julien (LCA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	06-Aug-24	time	6.18	11.20	16.44	22.08	22.08	8 / 2			
reaction time	0.136	interval		5.02	5.24	5.64		# of strides	11.20	10.88	0.32
wind	-0.6 m/s	velocity	8.09	9.96	9.54	8.87	9.06	96.0	8.93	9.19	
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	18-Sep-25	time		11.28		22.08	22.08	5 / 2			
reaction time	0.169	interval				10.80	PB	# of strides	11.28	10.80	0.48
wind	-0.1 m/s	velocity		8.87		9.26	9.06	92.0	8.87	9.26	
Ottey, Merlene (JAM) (1960)			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	09-Aug-84	time		11.26		22.09	22.09	2 / 3			
reaction time	0.193	interval				10.83	PB	# of strides	11.26	10.83	0.43

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wind	-0.1 m/s	velocity	8.88	9.23	9.05	92.0	8.88	9.23			
Möller, Silke (GDR) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1988 Olympic Games (Seoul, KOR)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	29-Sep-88	time	6.28	11.25	16.46	22.09	22.09	4 / 5			
reaction time	0.186	interval		4.97	5.21	5.63		# of strides	11.25	10.84	0.41
wind	1.3 m/s	velocity	7.96	10.06	9.60	8.88	9.05	103.0	8.89	9.23	
Krabbe, Katrin (GER) (1969)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1991 IAAF World Championships (Tokyo, JPN)			<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>								
date	30-Aug-91	time	11.07			22.09	22.09	3 / 1			
reaction time		interval				11.02		# of strides	11.07	11.02	0.05
wind	-2.4 m/s	velocity		9.03		9.07	9.05	92.0	9.03	9.07	
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1992 Olympic Games (Barcelona, ESP)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	06-Aug-92	time		11.2		22.1	22.09	5 / 3			
reaction time		interval				10.90		# of strides	11.20	10.90	0.30
wind	-0.6 m/s	velocity		8.93		9.17	9.05	93.7	8.93	9.17	
Miller, Inger (USA) (1972)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 USA Olympic Trials (Sacramento, CA)			<i>Track Newsletter (2000) - US olympic trials</i>								
date	23-Jul-00	time		11.2		22.1	22.09	7 / 2			
reaction time		interval				10.90		# of strides	11.20	10.90	0.30
wind	0.5 m/s	velocity		8.93		9.17	9.05		8.93	9.17	
Fraser-Price, Shelly-Ann (JAM) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Olympic Games (London, GBR)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	08-Aug-12	time		11.15		22.09	22.09	4 / 2			
reaction time	0.169	interval				10.94	PB	# of strides	11.15	10.94	0.21
wind	-0.2 m/s	velocity		8.97		9.14	9.05	96.2	8.97	9.14	
Miller-Uibo, Shaunae (BAH) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)			<i>Omega Timing (2019) - diamond league race analysis</i>								
date	12-Jul-19	time	6.3	11.6	16.6	22.09	22.09	6 / 1			
reaction time	0.195	interval		5.3	5.0	5.49		# of strides	11.60	10.49	1.11
wind	0.1 m/s	velocity	7.94	9.43	10.00	9.11	9.05	91.2	8.62	9.53	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	18-Sep-25	time		11.24		22.09	22.09	6 / 1			
reaction time	0.147	interval				10.85		# of strides	11.24	10.85	0.39
wind	-0.3 m/s	velocity		8.90		9.22	9.05	94.0	8.90	9.22	
Smallwood-Cook, Kathy (GBR) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1984 Olympic Games (Los Angeles, CA)			<i>Vogel (1984) - olympische spiele in los angeles</i>								
date	09-Aug-84	time		11.37		22.10	22.10	3 / 4			
reaction time	0.142	interval				10.73	NR	# of strides	11.37	10.73	0.64
wind	0.1 m/s	velocity		8.80		9.32	9.05	90.0	8.80	9.32	
Duncan, Kimberlyn (USA) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 USATF National Championships (Sacramento, CA)			<i>Track Newsletter (2014) - USATF women's championships</i>								
date	29-Jun-14	time		11.5		22.1	22.10	/ 2			
reaction time	0.182	interval				10.60		# of strides	11.50	10.60	0.90
wind	3.8 m/s	velocity		8.70		9.43	9.05		8.70	9.43	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Bauhaus Galan (Stockholm, SWE)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	04-Jul-21	time	6.3	11.4	16.5	22.10	22.10	5 / 1			
reaction time	0.159	interval		5.10	5.10	5.60		# of strides	11.40	10.70	0.70
wind	-0.4 m/s	velocity	7.94	9.80	9.80	8.93	9.05	96.0	8.77	9.35	
Ta Lou, Marie Josée (CIV) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Prefontaine Classic (Eugene, OR)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	17-Sep-23	time	6.15	11.20	16.45	22.10	22.10	3 / 2			
reaction time	0.149	interval		5.05	5.25	5.65		# of strides	11.20	10.90	0.30

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DV=Drug Violation

wind	0.3 m/s	velocity	8.13	9.90	9.52	8.85	9.05	97.5	8.93	9.17	
Davis, Tamari (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	6.22	11.35	16.58	22.10	22.10	9 / 3			
reaction time		interval		5.13	5.23	5.52	PB	# of strides	11.35	10.75	0.60
wind	0.6 m/s	velocity	8.04	9.75	9.56	9.06	9.05	90.2	8.81	9.30	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			Grand Slam Track (2025) - results and splits by race								
date	31-May-25	time	6.36	11.34	16.58	22.10	22.10	6 / 2			
reaction time	0.200	interval		4.98	5.24	5.52		# of strides	11.34	10.76	0.58
wind	1.1 m/s	velocity	7.86	10.04	9.54	9.06	9.05	89.2	8.82	9.29	
Jeter, Carmelita (USA) (1979)			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	30-Jun-12	time		11.2		22.11	22.11	8 / 2			
reaction time	0.165	interval				10.91	PB	# of strides	11.20	10.91	0.29
wind	1.0 m/s	velocity		8.93		9.17	9.05	97.0	8.93	9.17	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	6.26	11.32	16.49	22.11	22.11	7 / 1			
reaction time		interval		5.06	5.17	5.62		# of strides	11.32	10.79	0.53
wind	0.1 m/s	velocity	7.99	9.88	9.67	8.90	9.05	89.0	8.83	9.27	
Krabbe, Katrin (GER) (1969)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1991 German National Championships (Hannover, GER)			Graubner (2008) - http://www.fgs.uni-halle.de								
date	28-Jul-91	time	6.17	11.20	16.46	22.12	22.12	/ 1			
reaction time		interval		5.03	5.26	5.66		# of strides	11.20	10.92	0.28
wind	-1.4 m/s	velocity	8.10	9.94	9.51	8.83	9.04		8.93	9.16	
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)			Veney - 200m women from PJ								
date	25-Aug-95	time		11.12	16.37	22.12	22.12	4 / ~~2~~ 1			
reaction time	0.157	interval			5.25	5.75		# of strides	11.12	11.00	0.12
wind	-2.2 m/s	velocity		8.99	9.52	8.70	9.04	91.5	8.99	9.09	
Privalova, Irina (RUS) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)			Veney - 200m women from PJ								
date	25-Aug-95	time		11.17	16.40	22.12	22.12	5 / ~~3~~ 2			
reaction time	0.189	interval			5.23	5.72		# of strides	11.17	10.95	0.22
wind	-2.2 m/s	velocity		8.95	9.56	8.74	9.04	92.2	8.95	9.13	
Pérec, Marie-José (FRA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 Olympic Games (Atlanta, GA)			Veney - 200m women from PJ								
date	01-Aug-96	time		11.38	16.61	22.12	22.12	3 / 1			
reaction time	0.174	interval			5.23	5.51		# of strides	11.38	10.74	0.64
wind	0.3 m/s	velocity		8.79	9.56	9.07	9.04	86.0	8.79	9.31	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)			Butler (2011) - Gay's last 100 in Manchester street 150								
date	15-May-11	time	6.31	11.26	16.48	22.12	22.12	2 / 1			
reaction time		interval		4.95	5.22	5.64		# of strides	11.26	10.86	0.40
wind	2.6 m/s	velocity	7.92	10.10	9.58	8.87	9.04		8.88	9.21	
Seyni, Aminatou (NIG) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	21-Jul-22	time		11.29		22.12	22.12	7 / 4			
reaction time	0.195	interval				10.83		# of strides	11.29	10.83	0.46
wind	0.6 m/s	velocity		8.86		9.23	9.04	93.7	8.86	9.23	
Clark, Tamara (USA) (1999)			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	6.30	11.41	16.67	22.12	22.12	5 / 3			
reaction time		interval		5.11	5.26	5.45		# of strides	11.41	10.71	0.70

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wind	1.4 m/s	velocity	7.94	9.78	9.51	9.17	9.04	98.0	8.76	9.34	
Brown, Brittany (USA) (1995)											
Semi-Final 3 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.24	11.22	16.42	22.12	22.12	7 / 1			
reaction time	0.202	interval		4.98	5.20	5.70		# of strides	11.22	10.90	0.32
wind	0.1 m/s	velocity	8.01	10.04	9.62	8.77	9.04	93.0	8.91	9.17	
Long, McKenzie (USA) (2000)											
Heat 1 - 2025 USATF Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.20	11.19	16.41	22.12	22.12	9 / 1			
reaction time		interval		4.99	5.22	5.71		# of strides	11.19	10.93	0.26
wind	0.1 m/s	velocity	8.06	10.02	9.58	8.76	9.04	98.5	8.94	9.15	
Smallwood, Kathy (GBR) (1960)											
FINAL - 1982 European Championships (Athens, GRE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>											
date	09-Sep-82	time		11.44		22.13	22.13	4 / 2			
reaction time		interval				10.69	NUR	# of strides	11.44	10.69	0.75
wind	0.9 m/s	velocity		8.74		9.35	9.04		8.74	9.35	
Koch, Marita (GDR) (1957)											
FINAL - 1983 IAAF World Championships (Helsinki, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>											
date	14-Aug-83	time		11.28	16.53	22.13	22.13	6 / 1			
reaction time	0.225	interval			5.25	5.60	CR	# of strides	11.28	10.85	0.43
wind	1.5 m/s	velocity		8.87	9.52	8.93	9.04	99.0	8.87	9.22	
Jackson, Grace (JAM) (1960)											
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	29-Sep-88	time	6.36	11.37	16.60	22.13	22.13	4 / 1			
reaction time	0.194	interval		5.01	5.23	5.53		# of strides	11.37	10.76	0.61
wind	1.8 m/s	velocity	7.86	9.98	9.56	9.04	9.04		8.80	9.29	
Privalova, Irina (RUS) (1968)											
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Veney - 200m women from PJ</i>											
date	19-Aug-93	time	6.25	11.30	16.54	22.13	22.13	3 / 3			
reaction time	0.206	interval		5.05	5.24	5.59	PB	# of strides	11.30	10.83	0.47
wind	0.0 m/s	velocity	8.00	9.90	9.54	8.94	9.04	91.5	8.85	9.23	
Felix, Allyson (USA) (1985)											
FINAL - 2005 USATF National Championships (Carson, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2005)</i>											
date	26-Jun-05	time	6.38	11.32	16.70	22.13	22.13	6 / 1			
reaction time		interval		4.94	5.38	5.43		# of strides	11.32	10.81	0.51
wind	0.3 m/s	velocity	7.84	10.12	9.29	9.21	9.04	87.2	8.83	9.25	
Schippers, Dafne (NED) (1992)											
FINAL - 2016 London Anniversary Games (London, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2016.07.23) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en</i>											
date	23-Jul-16	time		11.29		22.13	22.13	6 / 1			
reaction time	0.144	interval				10.84		# of strides	11.29	10.84	0.45
wind	-0.8 m/s	velocity		8.86		9.23	9.04		8.86	9.23	
Battle, Anavia (USA) (1999)											
FINAL - 2025 USATF Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.39	11.37	16.53	22.13	22.13	2 / 2			
reaction time		interval		4.98	5.16	5.60		# of strides	11.37	10.76	0.61
wind	0.5 m/s	velocity	7.82	10.04	9.69	8.93	9.04	95.0	8.80	9.29	
Brown, Brittany (USA) (1995)											
FINAL - 2025 Weltklasse (Zürich, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2025) - diamond league race analysis</i>											
date	28-Aug-25	time	6.19	11.13	16.39	22.13	22.13	5 / 1			
reaction time	0.174	interval		4.94	5.26	5.74		# of strides	11.13	11.00	0.13
wind	-0.4 m/s	velocity	8.08	10.12	9.51	8.71	9.04	97.0	8.98	9.09	
Brown, Brittany (USA) (1995)											
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	18-Sep-25	time		11.14		22.13	22.13	8 / 3			
reaction time	0.181	interval				10.99		# of strides	11.14	10.99	0.15

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DV=Drug Violation

wind	-0.1 m/s	velocity	8.98	9.10	9.04	95.7	8.98	9.10			
Guidry-White, Carlette (USA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>								
date	23-Jun-96	time	11.22	16.43	22.14	22.14	3 / 1				
reaction time		interval		5.21	5.71	PB	# of strides	11.22	10.92	0.30	
wind	-0.6 m/s	velocity	8.91	9.60	8.76	9.03		8.91	9.16		
Jeter, Carmelita (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Olympic Games (London, GBR)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	08-Aug-12	time	11.08		22.14	22.14	9 / 3				
reaction time	0.167	interval			11.06		# of strides	11.08	11.06	0.02	
wind	-0.2 m/s	velocity	9.03		9.04	9.03	96.0	9.03	9.04		
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	19-Sep-25	time	11.30		22.14	22.14	5 / 2				
reaction time	0.163	interval			10.84		# of strides	11.30	10.84	0.46	
wind	-0.1 m/s	velocity	8.85		9.23	9.03	93.0	8.85	9.23		
Möller, Silke (GDR) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	29-Sep-88	time	6.34	11.33	16.54	22.15	22.15	7 / 3			
reaction time	0.205	interval		4.99	5.21	5.61	# of strides	11.33	10.82	0.51	
wind	1.7 m/s	velocity	7.89	10.02	9.60	8.91	9.03	102.5	8.83	9.24	
Solomon, Shalonda (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 USATF National Championships (Eugene, OR)			<i>Track Newsletter (2011) - USATF women's championships</i>								
date	26-Jun-11	time	11.4		22.2	22.15	/ 1				
reaction time		interval			10.80	PB	# of strides	11.40	10.80	0.60	
wind	1.0 m/s	velocity	8.77		9.26	9.03		8.77	9.26		
Bowie, Towie (USA) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)			<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>								
date	17-Aug-16	time	11.3		22.15	22.15	5 / 3				
reaction time	0.143	interval			10.85		# of strides	11.30	10.85	0.45	
wind	-0.1 m/s	velocity	8.85		9.22	9.03	91.5	8.85	9.22		
Miller-Uibo, Shaunae (BAH) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 IAAF World Championships (London, GBR)			<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
date	11-Aug-17	time	6.31	11.37	16.59	22.15	22.15	5 / 3			
reaction time	0.147	interval		5.06	5.22	5.56	# of strides	11.37	10.78	0.59	
wind	0.8 m/s	velocity	7.92	9.88	9.58	8.99	9.03	90.6	8.80	9.28	
Steiner, Abby (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time	11.35		22.15	22.15	5 / 2				
reaction time	0.130	interval			10.80		# of strides	11.35	10.80	0.55	
wind	-0.1 m/s	velocity	8.81		9.26	9.03	102.0	8.81	9.26		
Strachan, Anthonique (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	28-May-23	time	6.29	11.40	16.61	22.15	22.15	4 / 2			
reaction time	0.140	interval		5.11	5.21	5.54	# of strides	11.40	10.75	0.65	
wind	0.8 m/s	velocity	7.95	9.78	9.60	9.03	9.03	89.0	8.77	9.30	
Jefferson, Melissa (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.23	11.27	16.47	22.15	22.15	7 / 3			
reaction time	0.230	interval		5.04	5.20	5.68	# of strides	11.27	10.88	0.39	
wind	1.1 m/s	velocity	8.03	9.92	9.62	8.80	9.03	97.5	8.87	9.19	
Torrence, Gwen (USA) (1965)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1991 IAAF World Championships (Tokyo, JPN)			<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>								
date	30-Aug-91	time	11.30		22.16	22.16	4 / 2				
reaction time		interval			10.86		# of strides	11.30	10.86	0.44	

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wind	-2.4 m/s	velocity	8.85	9.21	9.03	98.0	8.85	9.21			
Felix, Allyson (USA) (1985)											
FINAL	- 2005 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - World championships- women</i>										
date	12-Aug-05	time	11.3			22.2	22.16	6 / 1			
reaction time	0.180	interval				10.90		# of strides	11.30	10.90	0.40
wind	0.2 m/s	velocity	8.85			9.17	9.03	91.0	8.85	9.17	
Sturgis, Cambrea (USA) (1999)											
FINAL	- 2022 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2022) - USATF championships women</i>										
date	26-Jun-22	time	6.33	11.44	16.62	22.16	22.16	/ 4			
reaction time		interval		5.11	5.18	5.54		# of strides	11.44	10.72	0.72
wind	-0.3 m/s	velocity	7.90	9.78	9.65	9.03	9.03		8.74	9.33	
Richardson, Sha'Carri (USA) (2000)											
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time	11.35			22.16	22.16	6 / 1			
reaction time	0.168	interval				10.81		# of strides	11.35	10.81	0.54
wind	-0.7 m/s	velocity	8.81			9.25	9.03	98.0	8.81	9.25	
Neita, Daryll (GBR) (1996)											
FINAL	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	25-Aug-23	time	11.26			22.16	22.16	5 / 5			
reaction time	0.148	interval				10.90	PB	# of strides	11.26	10.90	0.36
wind	0.1 m/s	velocity	8.88			9.17	9.03	92.0	8.88	9.17	
Strachan, Anthonique (BAH) (1993)											
FINAL	- 2023 Prefontaine Classic (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>										
date	17-Sep-23	time	6.32	11.41	16.60	22.16	22.16	8 / 3			
reaction time	0.148	interval		5.09	5.19	5.56		# of strides	11.41	10.75	0.66
wind	0.3 m/s	velocity	7.91	9.82	9.63	8.99	9.03	86.7	8.76	9.30	
Richardson, Sha'Carri (USA) (2000)											
FINAL	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	29-Jun-24	time	6.33	11.34	16.49	22.16	22.16	6 / 4			
reaction time		interval		5.01	5.15	5.67		# of strides	11.34	10.82	0.52
wind	0.6 m/s	velocity	7.90	9.98	9.71	8.82	9.03	99.0	8.82	9.24	
Torrence, Gwen (USA) (1965)											
FINAL	- 1988 Olympic Games (Seoul, KOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>										
date	29-Sep-88	time	6.33	11.38	16.56	22.17	22.17	8 / 6			
reaction time	0.187	interval		5.05	5.18	5.61		# of strides	11.38	10.79	0.59
wind	1.3 m/s	velocity	7.90	9.90	9.65	8.91	9.02	102.3	8.79	9.27	
Fraser-Price, Shelly-Ann (JAM) (1986)											
FINAL	- 2013 IAAF World Championships (Moscow, RUS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2013) - world championships women</i>										
date	16-Aug-13	time	11.2			22.2	22.17	4 / 1			
reaction time	0.156	interval				11.00		# of strides	11.20	11.00	0.20
wind	-0.3 m/s	velocity	8.93			9.09	9.02	100.5	8.93	9.09	
Alfred, Julien (LCA) (2001)											
Semi-Final 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	24-Aug-23	time	11.42			22.17	22.17	6 / 1			
reaction time	0.159	interval				10.75		# of strides	11.42	10.75	0.67
wind	-0.2 m/s	velocity	8.76			9.30	9.02	97.0	8.76	9.30	
Jackson, Shericka (JAM) (1994)											
FINAL	- 2025 Kamila Skolimowska Memorial (Chorzów, POL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	16-Aug-25	time	6.24	11.29	16.53	22.17	22.17	6 / 1			
reaction time	0.178	interval		5.05	5.24	5.64		# of strides	11.29	10.88	0.41
wind	-2.0 m/s	velocity	8.01	9.90	9.54	8.87	9.02	95.2	8.86	9.19	
Ta Lou-Smith, Marie-Josée (CIV) (198)											
Semi-Final 3	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	18-Sep-25	time	11.12			22.17	22.17	7 / 2			
reaction time	0.150	interval				11.05		# of strides	11.12	11.05	0.07

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wind	-0.3 m/s	velocity	8.99	9.05	9.02	97.0	8.99	9.05			
Ashford, Evelyn (USA) (1957)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1981 IAAF World Cup (Rome, ITA)										<i>Veney - 200m women from PJ</i>	
date	04-Sep-81	time	11.10		22.18	22.18	/ 1				
reaction time		interval			11.08		# of strides	11.10	11.08	0.02	
wind	0.7 m/s	velocity	9.01		9.03	9.02		9.01	9.03		
Marshall, Pam (USA) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1987 IAAF World Championships (Helsinki, FIN)										<i>Veney - 200m women from PJ</i>	
date	03-Sep-87	time	6.37	11.57	16.75	22.18	22.18	1 / 4			
reaction time	0.195	interval	5.20	5.18	5.43		# of strides	11.57	10.61	0.96	
wind	1.2 m/s	velocity	7.85	9.62	9.65	9.21	9.02	90.5	8.64	9.43	
Young-Stone, Dannette (USA) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 USA Olympic Trials (Atlanta, GA)										<i>USATF Women's Sprint Development (1996)</i>	
date	23-Jun-96	time	11.27	16.48	22.18	22.18	5 / 2				
reaction time		interval		5.21	5.70	PB	# of strides	11.27	10.91	0.36	
wind	-0.6 m/s	velocity	8.87	9.60	8.77	9.02		8.87	9.17		
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)										<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>	
date	25-Aug-04	time	11.2		22.2	22.18	3 / 2				
reaction time		interval			11.0	WJR	# of strides	11.20	11.00	0.20	
wind	0.8 m/s	velocity	8.93		9.09	9.02	91.7	8.93	9.09		
Bryant, Dezerea (USA) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 NCAA Championships (Eugene, OR)										<i>Track Newsletter (2015) - NCAA women's championships</i>	
date	13-Jun-15	time	11.3		22.2	22.18	6 / 1				
reaction time		interval			10.90	PB	# of strides	11.30	10.90	0.40	
wind	1.9 m/s	velocity	8.85		9.17	9.02		8.85	9.17		
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Weltklasse (Zürich, SUI)										<i>Omega Timing (2025) - diamond league race analysis</i>	
date	28-Aug-25	time	6.13	11.13	16.42	22.18	22.18	4 / 2			
reaction time	0.152	interval	5.00	5.29	5.76		# of strides	11.13	11.05	0.08	
wind	-0.4 m/s	velocity	8.16	10.00	9.45	8.68	9.02	96.0	8.98	9.05	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 World Athletics Championships (Tokyo, JPN)										<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>	
date	19-Sep-25	time	11.13		22.18	22.18	7 / 3				
reaction time	0.169	interval			11.05		# of strides	11.13	11.05	0.08	
wind	-0.1 m/s	velocity	8.98		9.05	9.02	95.7	8.98	9.05		
Bochina, Natalya (URS) (1962)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1980 Olympic Games (Moscow, URS)										<i>Veney - 200m women from PJ</i>	
date	30-Jul-80	time	11.43	16.70	22.19	22.19	6 / 2				
reaction time	0.166	interval		5.27	5.49	AJR	# of strides	11.43	10.76	0.67	
wind	1.4 m/s	velocity	8.75	9.49	9.11	9.01	95.2	8.75	9.29		
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1983 IAAF World Championships (Helsinki, FIN)										<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>	
date	14-Aug-83	time	11.42	16.64	22.19	22.19	7 / 2				
reaction time	0.165	interval		5.22	5.55		# of strides	11.42	10.77	0.65	
wind	1.5 m/s	velocity	8.76	9.58	9.01	9.01	93.5	8.76	9.29		
Privalova, Irina (EUN) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1992 Olympic Games (Barcelona, ESP)										<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>	
date	06-Aug-92	time	11.2		22.2	22.19	3 / 4				
reaction time		interval			11.00		# of strides	11.20	11.00	0.20	
wind	-0.6 m/s	velocity	8.93		9.09	9.01	93.7	8.93	9.09		
Atkins, Joanna (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 USATF National Championships (Sacramento, CA)										<i>Track Newsletter (2014) - USATF women's championships</i>	
date	29-Jun-14	time	11.4		22.2	22.19	/ 3				
reaction time	0.183	interval			10.80		# of strides	11.40	10.80	0.60	

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DV=Drug Violation

wind	3.8 m/s	velocity	8.77	9.26	9.01	8.77	9.26			
Bestué, Jaël (ESP) (2000)										
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP) <i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>										
date	29-Jun-25	time	6.23	11.26	16.49	22.19	22.19	8 / 1		
reaction time	0.163	interval		5.03	5.23	5.70	NR PB	# of strides	11.26	10.93
wind	0.8 m/s	velocity	8.03	9.94	9.56	8.77	9.01	98.5	8.88	9.15
Thomas, Gabrielle (USA) (1996)										
Heat 3 - 2025 USATF Championships (Eugene, OR) <i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>										
date	03-Aug-25	time	6.34	11.47	16.71	22.19	22.19	5 / 2		
reaction time		interval		5.13	5.24	5.48		# of strides	11.47	10.72
wind	0.0 m/s	velocity	7.89	9.75	9.54	9.12	9.01		8.72	9.33
Ottey, Merlene (JAM) (1960)										
FINAL - 1980 Olympic Games (Moscow, URS) <i>Veney - 200m women from PJ</i>										
date	30-Jul-80	time		11.51	16.71	22.20	22.20	3 / 3		
reaction time	0.157	interval			5.20	5.49	PB	# of strides	11.51	10.69
wind	1.4 m/s	velocity		8.69	9.62	9.11	9.01	89.7	8.69	9.35
Jackson, Grace (JAM) (1961)										
FINAL - 1984 Olympic Games (Los Angeles, CA) <i>Vogel (1984) - olympische spiele in los angeles</i>										
date	09-Aug-84	time		11.44		22.18	22.20	8 / 5		
reaction time	0.243	interval				10.74	PB	# of strides	11.44	10.74
wind	0.1 m/s	velocity		8.74		9.31	9.01		8.74	9.31
Pérec, Marie-José (FRA) (1968)										
FINAL - 1993 IAAF World Championships (Stuttgart, GER) <i>Veney - 200m women from PJ</i>										
date	19-Aug-93	time	6.32	11.36	16.52	22.20	22.20	7 / 4		
reaction time	0.194	interval		5.04	5.16	5.68		# of strides	11.36	10.84
wind	0.0 m/s	velocity	7.91	9.92	9.69	8.80	9.01	85.2	8.80	9.23
Hooker, Marshevet (USA) (1984)										
FINAL - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>										
date	06-Jul-08	time	6.29	11.41	16.53	22.20	22.20	7 / 3		
reaction time		interval		5.12	5.12	5.67		# of strides	11.41	10.79
wind	5.6 m/s	velocity	7.95	9.77	9.77	8.82	9.01		8.76	9.27
Prandini, Jenna (USA) (1992)										
FINAL - 2015 USATF National Championships (Eugene, OR) <i>Track Newsletter (2015) - USATF women's championships</i>										
date	28-Jun-14	time		11.3		22.2	22.20	/ 1		
reaction time		interval				10.90	PB	# of strides	11.30	10.90
wind	0.4 m/s	velocity		8.85		9.17	9.01		8.85	9.17
Richardson, Sha'Carri (USA) (2000)										
Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>										
date	24-Aug-23	time		11.39		22.20	22.20	8 / 2		
reaction time	0.158	interval				10.81		# of strides	11.39	10.81
wind	-0.2 m/s	velocity		8.78		9.25	9.01	99.7	8.78	9.25
Clark, Tamara (USA) (1999)										
FINAL - 2024 USA Olympic Trials (Eugene, OR) <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	29-Jun-24	time	6.30	11.40	16.67	22.20	22.20	2 / 5		
reaction time		interval		5.10	5.27	5.53		# of strides	11.40	10.80
wind	0.6 m/s	velocity	7.94	9.80	9.49	9.04	9.01	99.7	8.77	9.26
Neita, Daryll (GBR) (1996)										
FINAL - 2024 London Athletics Meet (London, GBR) <i>Omega Timing (2024) - diamond league race analysis</i>										
date	20-Jul-24	time	6.28	11.28	16.48	22.20	22.20	4 / 4		
reaction time	0.140	interval		5.00	5.20	5.72		# of strides	11.28	10.92
wind	-0.9 m/s	velocity	7.96	10.00	9.62	8.74	9.01	91.0	8.87	9.16
Thomas, Gabrielle (USA) (1996)										
Heat 2 - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	04-Aug-24	time	6.29	11.28	16.53	22.20	22.20	5 / 1		
reaction time	0.182	interval		4.99	5.25	5.67		# of strides	11.28	10.92

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DV=Drug Violation

wind	0.0 m/s	velocity	7.95	10.02	9.52	8.82	9.01	90.0	8.87	9.16	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	06-Aug-24	time	6.21	11.18	16.49	22.20	22.20	6 / 3			
reaction time	0.173	interval		4.97	5.31	5.71		# of strides	11.18	11.02	0.16
wind	-0.6 m/s	velocity	8.05	10.06	9.42	8.76	9.01	96.0	8.94	9.07	
Brown, Brittany (USA) (1995)			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	6.30	11.32	16.57	22.20	22.20	7 / 1			
reaction time	0.177	interval		5.02	5.25	5.63		# of strides	11.32	10.88	0.44
wind	0.2 m/s	velocity	7.94	9.96	9.52	8.88	9.01	93.7	8.83	9.19	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.33	11.40	16.68	22.20	22.20	5 / 3			
reaction time		interval		5.07	5.28	5.52		# of strides	11.40	10.80	0.60
wind	0.5 m/s	velocity	7.90	9.86	9.47	9.06	9.01	89.0	8.77	9.26	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.28	11.25	16.50	22.20	22.20	6 / 4			
reaction time		interval		4.97	5.25	5.70		# of strides	11.25	10.95	0.30
wind	0.5 m/s	velocity	7.96	10.06	9.52	8.77	9.01	96.2	8.89	9.13	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.32	11.30	16.53	22.20	22.20	8 / 5			
reaction time		interval		4.98	5.23	5.67		# of strides	11.30	10.90	0.40
wind	0.5 m/s	velocity	7.91	10.04	9.56	8.82	9.01	99.0	8.85	9.17	
Ottey, Merlene (JAM) (1960)			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	30-Aug-91	time		11.17		22.21	22.21	5 / 3			
reaction time		interval				11.04		# of strides	11.17	11.04	0.13
wind	-2.4 m/s	velocity		8.95		9.06	9.00	93.7	8.95	9.06	
White, Kelli (USA) (1977)			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	6.26	11.46	16.63	22.21	22.21	5 / 4			
reaction time		interval		5.20	5.17	5.58	DV	# of strides	11.46	10.75	0.71
wind	0.0 m/s	velocity	7.99	9.62	9.67	8.96	9.00		8.73	9.30	
Williams, Lauryn (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	6.21	11.31	16.62	22.21	22.21	3 / 4			
reaction time		interval		5.10	5.31	5.59		# of strides	11.31	10.90	0.41
wind	5.6 m/s	velocity	8.05	9.80	9.42	8.94	9.00		8.84	9.17	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 NCAA Championships (Eugene, OR)			Track Newsletter (2015) - NCAA women's championships								
date	13-Jun-15	time		11.3		22.2	22.21	3 / 2			
reaction time		interval				10.90	PB	# of strides	11.30	10.90	0.40
wind	1.9 m/s	velocity		8.85		9.17	9.00		8.85	9.17	
Ta Lou, Marie Josée (CIV) (1988)			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	17-Aug-16	time		11.3		22.21	22.21	3 / 4			
reaction time	0.153	interval				10.91	NR PB	# of strides	11.30	10.91	0.39
wind	-0.1 m/s	velocity		8.85		9.17	9.00	98.0	8.85	9.17	
Terry, Twanisha (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Prefontaine Classic (Eugene, OR)			Omega Timing (2023) - diamond league race analysis								
date	17-Sep-23	time	6.19	11.17	16.41	22.21	22.21	9 / 4			
reaction time	0.143	interval		4.98	5.24	5.80		# of strides	11.17	11.04	0.13

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DV=Drug Violation

wind	0.3 m/s	velocity	8.08	10.04	9.54	8.62	9.00	101.7	8.95	9.06	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Kamila Skolimowska Memorial (Chorzów, POL)			Omega Timing (2025) - diamond league race analysis								
date	16-Aug-25	time	6.33	11.34	16.59	22.21	22.21	5 / 2			
reaction time	0.226	interval		5.01	5.25	5.62		# of strides	11.34	10.87	0.47
wind	-2.0 m/s	velocity	7.90	9.98	9.52	8.90	9.00	95.5	8.82	9.20	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	18-Sep-25	time		11.09		22.21	22.21	6 / 2			
reaction time	0.153	interval				11.12		# of strides	11.09	11.12	-0.03
wind	0.1 m/s	velocity		9.02		8.99	9.00	95.0	9.02	8.99	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Athlos (Randalls Island, NY)			Athlos and Karmarush (2025). Athlos results and race analysis								
date	10-Oct-25	time	6.29	11.21	16.37	22.21	22.21	6 / 2			
reaction time		interval		4.92	5.16	5.84		# of strides	11.21	11.00	0.21
wind	1.9 m/s	velocity	7.95	10.16	9.69	8.56	9.00	95.0	8.92	9.09	
McDonald, Beverly (JAM) (1970)			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 in athletics seville 1999								
date	17-Aug-99	time	6.31	11.28	16.57	22.22	22.22	8 / 2			
reaction time	0.135	interval		4.97	5.29	5.65	PB	# of strides	11.28	10.94	0.34
wind	0.6 m/s	velocity	7.92	10.06	9.45	8.85	9.00		8.87	9.14	
Smith, Rachelle (USA) (1981)			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)								
date	26-Jun-05	time	6.41	11.35	17.13	22.22	22.22	7 / 2			
reaction time		interval		4.94	5.78	5.09	PB	# of strides	11.35	10.87	0.48
wind	0.3 m/s	velocity	7.80	10.12	8.65	9.82	9.00	95.5	8.81	9.20	
Felix, Allyson (USA) (1985)			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	6.34	11.37	16.53	22.22	22.22	6 / 1			
reaction time		interval		5.03	5.16	5.69		# of strides	11.37	10.85	0.52
wind	0.0 m/s	velocity	7.89	9.94	9.69	8.79	9.00		8.80	9.22	
Campbell-Brown, Veronica (JAM) (19			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 IAAF World Championships (Daegu, KOR)			KSSB (2011) - biomechanical analysis of men's 200m (final)								
date	02-Sep-11	time	6.00	11.03	16.34	22.22	22.22	5 / 1			
reaction time	0.151	interval		5.03	5.31	5.88		# of strides	11.03	11.19	-0.16
wind	-1.0 m/s	velocity	8.33	9.94	9.42	8.50	9.00	98.5	9.07	8.94	
Richards-Ross, Sanya (USA) (1985)			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	30-Jun-12	time		11.4		22.22	22.22	4 / 3			
reaction time	0.177	interval				10.82		# of strides	11.40	10.82	0.58
wind	1.0 m/s	velocity		8.77		9.24	9.00	96.0	8.77	9.24	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 IAAF World Championships (London, GBR)			Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m								
date	11-Aug-17	time		11.09	16.34	22.05	22.22	8 / 4			
reaction time	0.169	interval			5.25	5.71		# of strides	11.09	10.96	0.13
wind	0.8 m/s	velocity		9.02	9.52	8.76	9.00	96.2	9.02	9.12	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 IAAF World Championships (Doha, QAT)			Takahaski (2019) - race analysis top 200m athletes- domestic and international								
date	02-Oct-19	time	6.28	11.25	16.49	22.22	22.22	6 / 2			
reaction time	0.228	interval		4.97	5.24	5.73	PB	# of strides	11.25	10.97	0.28
wind	0.9 m/s	velocity	7.96	10.06	9.54	8.73	9.00	92.0	8.89	9.12	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 USATF National Championships (Eugene, OR)			Track Newsletter (2022) - USATF championships women								
date	26-Jun-22	time	6.35	11.38	16.69	22.22	22.22	/ 5			
reaction time		interval		5.03	5.31	5.53		# of strides	11.38	10.84	0.54

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wind	-0.3 m/s	velocity	7.87	9.94	9.42	9.04	9.00		8.79	9.23	
Asher-Smith, Dina (GBR) (1995)											
FINAL	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	06-Aug-24	time	6.16	11.15	16.46	22.22	22.22	4 / 4			
reaction time	0.144	interval		4.99	5.31	5.76		# of strides	11.15	11.07	0.08
wind	-0.6 m/s	velocity	8.12	10.02	9.42	8.68	9.00	96.5	8.97	9.03	
Battle, Anavia (USA) (1999)											
FINAL	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	19-Sep-25	time		11.29		22.22	22.22	8 / 4			
reaction time	0.150	interval				10.93		# of strides	11.29	10.93	0.36
wind	-0.1 m/s	velocity		8.86		9.15	9.00	94.5	8.86	9.15	
Richards, Sanya (USA) (1985)											
FINAL	- 2006 IAAF World Cup (Athens, GRE) (TV Analysis)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2008) - http://www.fgs.uni-halle.de</i>										
date	17-Sep-06	time		11.39		22.23	22.23	6 / 1			
reaction time	0.162	interval				10.84		# of strides	11.39	10.84	0.55
wind	-0.2 m/s	velocity		8.78		9.23	9.00		8.78	9.23	
Jeter, Carmelita (USA) (1979)											
FINAL	- 2011 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2011) - USATF women's championships</i>										
date	26-Jun-11	time		11.4		22.2	22.23	1 / 2			
reaction time		interval				10.80	PB	# of strides	11.40	10.80	0.60
wind	1.0 m/s	velocity		8.77		9.26	9.00		8.77	9.26	
Miller-Uibo, Shaunae (BAH) (1994)											
FINAL	- 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2021) - diamond league race analysis</i>										
date	09-Jul-21	time	6.3	11.4	16.7	22.23	22.23	7 / 1			
reaction time	0.132	interval		5.10	5.30	5.53		# of strides	11.40	10.83	0.57
wind	0.7 m/s	velocity	7.94	9.80	9.43	9.04	9.00	90.0	8.77	9.23	
Asher-Smith, Dina (GBR) (1995)											
FINAL	- 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>										
date	21-Jul-23	time	6.12	11.16	16.48	22.23	22.23	4 / 3			
reaction time	0.153	interval		5.04	5.32	5.75		# of strides	11.16	11.07	0.09
wind	0.2 m/s	velocity	8.17	9.92	9.40	8.70	9.00	95.0	8.96	9.03	
Neita, Daryll (GBR) (1996)											
FINAL	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	06-Aug-24	time	6.27	11.24	16.50	22.23	22.23	5 / 5			
reaction time	0.143	interval		4.97	5.26	5.73		# of strides	11.24	10.99	0.25
wind	-0.6 m/s	velocity	7.97	10.06	9.51	8.73	9.00	90.0	8.90	9.10	
White, Kayla (USA) (1996)											
Heat 3	- 2025 USATF Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>										
date	03-Aug-25	time	6.19	11.26	16.62	22.23	22.23	6 / 3			
reaction time		interval		5.07	5.36	5.61		# of strides	11.26	10.97	0.29
wind	0.0 m/s	velocity	8.08	9.86	9.33	8.91	9.00		8.88	9.12	
Brown, Brittany (USA) (1995)											
FINAL	- 2025 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	20-Aug-25	time	6.30	11.29	16.56	22.23	22.23	5 / 1			
reaction time	0.273	interval		4.99	5.27	5.67		# of strides	11.29	10.94	0.35
wind	-0.5 m/s	velocity	7.94	10.02	9.49	8.82	9.00	95.2	8.86	9.14	
Walther, Gesine (GDR) (1962)											
FINAL	- 1982 GDR vs. USA (Karl-Marx-Stadt, GDR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>										
date	09-Sep-82	time		11.27		22.24	22.24	1 / 2			
reaction time		interval				10.97	PB	# of strides	11.27	10.97	0.30
wind	0.9 m/s	velocity		8.87		9.12	8.99		8.87	9.12	
Ottey, Merlene (JAM) (1960)											
FINAL	- 1996 Olympic Games (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Veney - 200m women from PJ</i>										
date	01-Aug-96	time		11.28	16.51	22.24	22.24	5 / 2			
reaction time	0.194	interval			5.23	5.73		# of strides	11.28	10.96	0.32

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DV=Drug Violation

wind	0.3 m/s	velocity	8.87	9.56	8.73	8.99	92.7	8.87	9.12		
Ferguson-McKenzie, Debbie (BAH) (1992)											
Semi-Final 1	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	20-Aug-09	time	6.19	11.21	16.54	22.24	22.24	6 / 1			
reaction time	0.133	interval		5.02	5.33	5.70		# of strides	11.21	11.03	0.18
wind	0.5 m/s	velocity	8.08	9.96	9.38	8.77	8.99	95.0	8.92	9.07	
Brown, Kamaria (USA) (1992)											
FINAL	- 2015 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2015) - NCAA women's championships</i>											
date	13-Jun-15	time		11.4		22.2	22.24	5 / 3			
reaction time		interval				10.80	PB	# of strides	11.40	10.80	0.60
wind	1.9 m/s	velocity		8.77		9.26	8.99		8.77	9.26	
Jefferson, Kyra (USA) (1994)											
FINAL	- 2015 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2015) - NCAA women's championships</i>											
date	13-Jun-15	time		11.5		22.2	22.24	4 / 4			
reaction time		interval				10.70	PB	# of strides	11.50	10.70	0.80
wind	1.9 m/s	velocity		8.70		9.35	8.99		8.70	9.35	
Miller-Uibo, Shaunae (BAH) (1994)											
FINAL	- 2019 Müller Grand Prix (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2019) - diamond league race analysis</i>											
date	18-Aug-19	time	6.4	11.5	16.7	22.24	22.24	6 / 1			
reaction time	0.128	interval		5.1	5.2	5.54		# of strides	11.50	10.74	0.76
wind	0.4 m/s	velocity	7.81	9.80	9.62	9.03	8.99	91.2	8.70	9.31	
Ofili, Favour (NGR) (2002)											
Heat 6	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		11.46		22.24	22.24	2 / 1			
reaction time	0.148	interval				10.78		# of strides	11.46	10.78	0.68
wind	1.9 m/s	velocity		8.73		9.28	8.99	93.2	8.73	9.28	
Steiner, Abby (USA) (1999)											
FINAL	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	29-Jun-24	time	6.34	11.41	16.62	22.24	22.24	5 / 6			
reaction time		interval		5.07	5.21	5.62		# of strides	11.41	10.83	0.58
wind	0.6 m/s	velocity	7.89	9.86	9.60	8.90	8.99	102.2	8.76	9.23	
Ofili, Favour (NGR) (2002)											
Heat 6	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	04-Aug-24	time	6.26	11.31	16.57	22.24	22.24	2 / 1			
reaction time	0.154	interval		5.05	5.26	5.67		# of strides	11.31	10.93	0.38
wind	0.5 m/s	velocity	7.99	9.90	9.51	8.82	8.99	92.7	8.84	9.15	
Neita, Daryll (GBR) (1996)											
Semi-Final 3	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.22	11.19	16.44	22.24	22.24	6 / 2			
reaction time	0.145	interval		4.97	5.25	5.80		# of strides	11.19	11.05	0.14
wind	0.1 m/s	velocity	8.04	10.06	9.52	8.62	8.99	90.7	8.94	9.05	
Ofili, Favour (NGR) (2002)											
FINAL	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	06-Aug-24	time	6.25	11.23	16.54	22.24	22.24	9 / 6			
reaction time	0.144	interval		4.98	5.31	5.70		# of strides	11.23	11.01	0.22
wind	-0.6 m/s	velocity	8.00	10.04	9.42	8.77	8.99	92.5	8.90	9.08	
Jefferson-Wooden, Melissa (USA) (2025)											
Heat 2	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	17-Sep-25	time		11.19		22.24	22.24	7 / 1			
reaction time	0.155	interval				11.05		# of strides	11.19	11.05	0.14
wind	-0.3 m/s	velocity		8.94		9.05	8.99	98.0	8.94	9.05	
Miller, Inger (USA) (1972)											
FINAL	- 1996 USA Olympic Trials (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (1996)</i>											
date	23-Jun-96	time		11.28	16.52	22.25	22.25	8 / 3			
reaction time		interval			5.24	5.73	=PB	# of strides	11.28	10.97	0.31

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DV=Drug Violation

wind	-0.6 m/s	velocity	8.87	9.54	8.73	8.99		8.87	9.12		
Torrence, Gwen (USA) (1965)											
FINAL - 1996 USA Olympic Trials (Atlanta, GA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (1996)											
date	23-Jun-96	time		11.29	16.53	22.25	22.25	4 / 4			
reaction time		interval			5.24	5.72		# of strides	11.29	10.96	0.33
wind	-0.6 m/s	velocity	8.86	9.54	8.74	8.99			8.86	9.12	
Ogunkoya, Falilat (NGR) (1968)											
FINAL - 1998 World Cup (Johannesburg, RSA) (Altitude)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Veney - 200m women from PJ											
date	11-Sep-98	time	6.37	11.38	16.68	22.25	22.25	2 / 2			
reaction time	0.159	interval		5.01	5.30	5.57		# of strides	11.38	10.87	0.51
wind	-0.6 m/s	velocity	7.85	9.98	9.43	8.98	8.99		8.79	9.20	
Philipp, Andrea (GER) (1971)											
Semi-Final 1 - 1999 IAAF World Championship (Sevilla, ESP) (TV Analysis)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2008) - http://www.fgs.uni-halle.de											
date	25-Aug-99	time		11.47		22.25	22.25	8 / 2			
reaction time	0.139	interval				10.78	PB	# of strides	11.47	10.78	0.69
wind	1.8 m/s	velocity	8.72			9.28	8.99		8.72	9.28	
Knight, Bianca (USA) (1989)											
FINAL - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	06-Jul-08	time	6.23	11.33	16.58	22.25	22.25	4 / 5			
reaction time		interval		5.10	5.25	5.67		# of strides	11.33	10.92	0.41
wind	5.6 m/s	velocity	8.03	9.80	9.52	8.82	8.99		8.83	9.16	
Bowie, Towie (USA) (1990)											
FINAL - 2016 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hymans (2020) - history of the US olympic trials - track and field											
date	10-Jul-16	time		11.2		22.3	22.25	7 / 1			
reaction time	0.232	interval				11.10		# of strides	11.20	11.10	0.10
wind	-0.6 m/s	velocity		8.93		9.01	8.99	91.7	8.93	9.01	
Ta Lou, Marie Josée (CIV) (1988)											
FINAL - 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2021) - diamond league race analysis											
date	09-Jul-21	time	6.2	11.2	16.5	22.25	22.25	5 / 2			
reaction time	0.144	interval		5.00	5.30	5.75		# of strides	11.20	11.05	0.15
wind	0.7 m/s	velocity	8.06	10.00	9.43	8.70	8.99	99.0	8.93	9.05	
Thompson-Herah, Elaine (JAM) (1992)											
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2022) - diamond league race analysis											
date	09-Jun-22	time	6.20	11.16	16.45	22.25	22.25	6 / 2			
reaction time	0.176	interval		4.96	5.29	5.80		# of strides	11.16	11.09	0.07
wind	1.3 m/s	velocity	8.06	10.08	9.45	8.62	8.99	99.0	8.96	9.02	
Neita, Daryll (GBR) (1996)											
FINAL - 2023 Weltklasse (Zürich, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2023) - diamond league race analysis											
date	31-Aug-23	time	6.27	11.24	16.50	22.25	22.25	7 / 2			
reaction time	0.150	interval		4.97	5.26	5.75		# of strides	11.24	11.01	0.23
wind	-0.8 m/s	velocity	7.97	10.06	9.51	8.70	8.99	92.7	8.90	9.08	
Asher-Smith, Dina (GBR) (1995)											
FINAL - 2025 London Athletics Meet (London, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2025) - diamond league race analysis											
date	19-Jul-25	time	6.09	11.20	16.52	22.25	22.25	6 / 2			
reaction time	0.137	interval		5.11	5.32	5.73		# of strides	11.20	11.05	0.15
wind	-0.6 m/s	velocity	8.21	9.78	9.40	8.73	8.99	95.0	8.93	9.05	
Ofili, Favour (NGR) (2002)											
FINAL - 2025 Kamila Skolimowska Memorial (Chorzów, POL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2025) - diamond league race analysis											
date	16-Aug-25	time	6.30	11.37	16.62	22.25	22.25	4 / 3			
reaction time	0.150	interval		5.07	5.25	5.63		# of strides	11.37	10.88	0.49
wind	-2.0 m/s	velocity	7.94	9.86	9.52	8.88	8.99	95.0	8.80	9.19	
Ta Lou-Smith, Marie-Josée (CIV) (198											
FINAL - 2025 Weltklasse (Zürich, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2025) - diamond league race analysis											
date	28-Aug-25	time	6.26	11.31	16.59	22.25	22.25	3 / 3			
reaction time	0.162	interval		5.05	5.28	5.66		# of strides	11.31	10.94	0.37

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DV=Drug Violation

wind	-0.4 m/s	velocity	7.99	9.90	9.47	8.83	8.99		8.84	9.14
Frazer, Merlene (JAM) (1973)										
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Ferro (2001) - biomechanical analysis of the 7th world championships in athletics seville 1999</i>									
date	27-Aug-99	time	6.29	11.26	16.54	22.26	22.26	5 / =3		
reaction time	0.277	interval		4.97	5.28	5.72		# of strides	11.26	11.00 0.26
wind	0.6 m/s	velocity	7.95	10.06	9.47	8.74	8.98		8.88	9.09
Philipp, Andrea (GER) (1971)										
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Ferro (2001) - biomechanical analysis of the 7th world championships in athletics seville 1999</i>									
date	27-Aug-99	time	6.24	11.26	16.57	22.26	22.26	6 / =3		
reaction time	0.136	interval		5.02	5.31	5.69		# of strides	11.26	11.00 0.26
wind	0.6 m/s	velocity	8.01	9.96	9.42	8.79	8.98		8.88	9.09
Fraser-Price, Shelly-Ann (JAM) (1986)										
Heat 3	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time		11.37		22.26	22.26	3 / 2		
reaction time	0.135	interval				10.89		# of strides	11.37	10.89 0.48
wind	1.1 m/s	velocity		8.80		9.18	8.98	94.5	8.80	9.18
Steiner, Abby (USA) (1999)										
Heat 5	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time		11.34		22.26	22.26	5 / 1		
reaction time	0.143	interval				10.92		# of strides	11.34	10.92 0.42
wind	0.9 m/s	velocity		8.82		9.16	8.98	101.0	8.82	9.16
Steiner, Abby (USA) (1999)										
FINAL	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	21-Jul-22	time		11.28		22.26	22.26	8 / 5		
reaction time	0.200	interval				10.98		# of strides	11.28	10.98 0.30
wind	0.6 m/s	velocity		8.87		9.11	8.98	104.0	8.87	9.11
Ta Lou, Marie Josée (CIV) (1988)										
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time		11.41		22.26	22.26	5 / 2		
reaction time	0.173	interval				10.85		# of strides	11.41	10.85 0.56
wind	-0.7 m/s	velocity		8.76		9.22	8.98	95.0	8.76	9.22
Thomas, Gabrielle (USA) (1996)										
Heat 5	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time		11.47		22.26	22.26	8 / 1		
reaction time	0.168	interval				10.79		# of strides	11.47	10.79 0.68
wind	-1.3 m/s	velocity		8.72		9.27	8.98	88.5	8.72	9.27
Ta Lou, Marie Josée (CIV) (1988)										
Semi-Final 3	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>									
date	24-Aug-23	time		11.31		22.26	22.26	6 / 3		
reaction time	0.157	interval				10.95		# of strides	11.31	10.95 0.36
wind	-0.2 m/s	velocity		8.84		9.13	8.98	96.2	8.84	9.13
Prandini, Jenna (USA) (1992)										
Semi-Final 1	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>									
date	28-Jun-24	time	6.28	11.45	16.63	22.26	22.26	7 / 2		
reaction time		interval		5.17	5.18	5.63		# of strides	11.45	10.81 0.64
wind	1.8 m/s	velocity	7.96	9.67	9.65	8.88	8.98	95.0	8.73	9.25
Battle, Anavia (USA) (1999)										
Heat 3	- 2025 USATF Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>									
date	03-Aug-25	time	6.26	11.26	16.47	22.26	22.26	4 / 4		
reaction time		interval		5.00	5.21	5.79		# of strides	11.26	11.00 0.26
wind	0.0 m/s	velocity	7.99	10.00	9.60	8.64	8.98		8.88	9.09
Griffith, Florence (USA) (1959)										
Semi-Final 1	- 1984 Olympic Games (Los Angeles, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
	<i>Gleason (1984) - 200 meters, Brisco-Hooks gets gold, record</i>									
date	09-Aug-84	time		11.32		22.27	22.27	7 / 1		
reaction time		interval				10.95		# of strides	11.32	10.95 0.37

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DV=Drug Violation

wind	1.0 m/s	velocity	8.83	9.13	8.98	94.0	8.83	9.13	
Drechsler, Heike (GDR) (1964)									
Semi-Final 2	- 1988 Olympic Games (Seoul, KOR)								<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>
date	29-Sep-88	time	6.23	11.33	16.63	22.27	22.27	5 / 2	
reaction time	0.147	interval	5.10	5.30	5.64			# of strides	11.33 10.94 0.39
wind	1.8 m/s	velocity	8.03	9.80	9.43	8.87	8.98		8.83 9.14
Davis-Thompson, Pauline (BAH) (196)									
FINAL	- 2000 Olympic Games (Sydney, AUS)								<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>
date	28-Sep-00	time	11.3	22.3	22.27	22.27	3 / ~~2~~ 1		
reaction time	0.185	interval		11.0	PB			# of strides	11.30 11.00 0.30
wind	0.7 m/s	velocity	8.85	9.09	8.98	94.0			8.85 9.09
Asher-Smith, Dina (GBR) (1995)									
FINAL	- 2022 Golden Gala Pietro Mennea (Rome, ITA)								<i>Omega Timing (2022) - diamond league race analysis</i>
date	09-Jun-22	time	6.15	11.21	16.50	22.27	22.27	5 / 3	
reaction time	0.156	interval	5.06	5.29	5.77			# of strides	11.21 11.06 0.15
wind	1.3 m/s	velocity	8.13	9.88	9.45	8.67	8.98	95.2	8.92 9.04
Masilingi, Beatrice (NAM) (2003)									
Heat 2	- 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>
date	18-Jul-22	time	11.47	22.27	22.27	22.27	6 / 1		
reaction time	0.150	interval		10.80				# of strides	11.47 10.80 0.67
wind	-0.2 m/s	velocity	8.72	9.26	8.98	91.0			8.72 9.26
Clark, Tamara (USA) (1999)									
Heat 4	- 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>
date	18-Jul-22	time	11.30	22.27	22.27	22.27	3 / 1		
reaction time	0.154	interval		10.97				# of strides	11.30 10.97 0.33
wind	0.4 m/s	velocity	8.85	9.12	8.98	99.0			8.85 9.12
Battle, Anavia (USA) (1999)									
FINAL	- 2024 Golden Gala Pietro Mennea (Roma, ITA)								<i>Omega Timing (2024) - diamond league race analysis</i>
date	30-Aug-24	time	6.31	11.34	16.57	22.27	22.27	2 / 2	
reaction time	0.135	interval	5.03	5.23	5.70			# of strides	11.34 10.93 0.41
wind	0.4 m/s	velocity	7.92	9.94	9.56	8.77	8.98		8.82 9.15
Ofil, Favour (NGR) (2002)									
Short Sprints	- 2025 Grand Slam Track Miami (Miramar, FL)								<i>Grand Slam Track (2025) - results and splits by race</i>
date	04-May-25	time	6.36	11.38	16.58	22.27	22.27	3 / 4	
reaction time	0.220	interval	5.02	5.20	5.69			# of strides	11.38 10.89 0.49
wind	1.1 m/s	velocity	7.86	9.96	9.62	8.79	8.98	92.7	8.79 9.18
Battle, Anavia (USA) (1999)									
FINAL	- 2025 Meeting de Paris (Paris, FRA)								<i>Omega Timing (2025) - diamond league race analysis</i>
date	20-Jun-25	time	6.27	11.25	16.49	22.27	22.27	5 / 1	
reaction time	0.179	interval	4.98	5.24	5.78			# of strides	11.25 11.02 0.23
wind	0.9 m/s	velocity	7.97	10.04	9.54	8.65	8.98	95.0	8.89 9.07
Brisco-Hooks, Valerie (USA) (1960)									
Semi-Final 2	- 1984 Olympic Games (Los Angeles, CA)								<i>Gleason (1984) - 200 meters, Brisco-Hooks gets gold, record</i>
date	09-Aug-84	time	11.40	22.28	22.28	22.28	2 / 1		
reaction time		interval		10.88				# of strides	11.40 10.88 0.52
wind	1.4 m/s	velocity	8.77	9.19	8.98	95.7			8.77 9.19
Privalova, Irina (URS) (1968)									
FINAL	- 1991 IAAF World Championships (Tokyo, JPN)								<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>
date	30-Aug-91	time	11.25	22.28	22.28	22.28	7 / 4		
reaction time		interval		11.03				# of strides	11.25 11.03 0.22
wind	-2.4 m/s	velocity	8.89	9.07	8.98	91.5			8.89 9.07
Ferguson, Debbie (BAH) (1976)									
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)								<i>Ferro (2001) - biomechanical analysis of the 7th world championships in athletics seville 1999</i>
date	27-Aug-99	time	6.14	11.17	16.49	22.28	22.28	4 / 5	
reaction time	0.168	interval	5.03	5.32	5.79			# of strides	11.17 11.11 0.06

wind	0.6 m/s	velocity	8.14	9.94	9.40	8.64	8.98		8.95	9.00
Jayasinghe, Susanthika (SRI) (1975) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2000 Olympic Games (Sydney, AUS)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>							
date	28-Sep-00	time	11.2		22.3	22.28	6 / 2			
reaction time	0.207	interval			11.1	NR	# of strides	11.20	11.10	0.10
wind	0.7 m/s	velocity	8.93		9.01	8.98	96.5	8.93	9.01	
Felix, Allyson (USA) (1985) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>							
date	18-Jul-04	time	6.34	11.43	16.62	22.28	22.28	6 / 1		
reaction time		interval		5.09	5.19	5.66		# of strides	11.43	10.85
wind	-1.2 m/s	velocity	7.89	9.82	9.63	8.83	8.98	92.2	8.75	9.22
Tarmoh, Jeneba (USA) (1989) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2011 USATF National Championships (Eugene, OR)			<i>Track Newsletter (2011) - USATF women's championships</i>							
date	26-Jun-11	time	11.5		22.3	22.28	/ 3			
reaction time		interval			10.80	PB	# of strides	11.50	10.80	0.70
wind	1.0 m/s	velocity	8.70		9.26	8.98		8.70	9.26	
Asher-Smith, Dina (GBR) (1995) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>							
date	24-Aug-23	time	11.22		22.28	22.28	6 / 2			
reaction time	0.126	interval			11.06		# of strides	11.22	11.06	0.16
wind	-0.1 m/s	velocity	8.91		9.04	8.98	95.0	8.91	9.04	
Asher-Smith, Dina (GBR) (1995) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Heat 6 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>							
date	04-Aug-24	time	6.17	11.17	16.49	22.28	22.28	8 / 2		
reaction time	0.145	interval		5.00	5.32	5.79		# of strides	11.17	11.11
wind	0.5 m/s	velocity	8.10	10.00	9.40	8.64	8.98	95.0	8.95	9.00
Knoll, Silke (GER) (1967) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 1992 (Ingolstadt, GER)			<i>Graubner (2008) - http://www.fgs.uni-halle.de</i>							
date	19-Jul-92	time	11.51		22.29	22.29	/ 1			
reaction time		interval			10.78	PB	# of strides	11.51	10.78	0.73
wind	0.7 m/s	velocity	8.69		9.28	8.97		8.69	9.28	
Guidry-White, Carlette (USA) (1968) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>							
date	22-Jun-96	time	11.35	16.49	22.29	22.29	5 / 1			
reaction time		interval		5.14	5.80	PB	# of strides	11.35	10.94	0.41
wind	-0.5 m/s	velocity	8.81	9.73	8.62	8.97		8.81	9.14	
Campbell-Brown, Veronica (JAM) (19) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	20-Aug-09	time	6.25	11.23	16.52	22.29	22.29	5 / 2		
reaction time	0.180	interval		4.98	5.29	5.77		# of strides	11.23	11.06
wind	0.5 m/s	velocity	8.00	10.04	9.45	8.67	8.97	96.7	8.90	9.04
Strachan, Anthonique (BAH) (1993) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>							
date	25-Aug-23	time	11.44		22.29	22.29	3 / 6			
reaction time	0.171	interval			10.85		# of strides	11.44	10.85	0.59
wind	0.1 m/s	velocity	8.74		9.22	8.97	88.0	8.74	9.22	
Steiner, Abby (USA) (1999) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Heat 1 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>							
date	27-Jun-24	time	6.24	11.46	16.68	22.29	22.29	8 / 2		
reaction time		interval		5.22	5.22	5.61		# of strides	11.46	10.83
wind	0.5 m/s	velocity	8.01	9.58	9.58	8.91	8.97	102.0	8.73	9.23
Brown, Brittany (USA) (1995) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Heat 3 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>							
date	27-Jun-24	time	6.04	11.13	16.31	22.29	22.29	5 / 1		
reaction time		interval		5.09	5.18	5.98		# of strides	11.13	11.16

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	8.28	9.82	9.65	8.36	8.97	93.2	8.98	8.96	
Guidry, Carlette (USA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1992 Olympic Games (Barcelona, ESP)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	06-Aug-92	time		11.4		22.3	22.30	7 / 5			
reaction time		interval				10.90		# of strides	11.40	10.90	0.50
wind	-0.6 m/s	velocity		8.77		9.17	8.97	91.0	8.77	9.17	
Ferguson, Debbie (BAH) (1976)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	25-Aug-04	time		11.3		22.3	22.30	8 / 3			
reaction time		interval				11.0		# of strides	11.30	11.00	0.30
wind	0.8 m/s	velocity		8.85		9.09	8.97	95.5	8.85	9.09	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	6.26	11.23	16.53	22.30	22.30	4 / 1			
reaction time	0.158	interval		4.97	5.30	5.77		# of strides	11.23	11.07	0.16
wind	0.5 m/s	velocity	7.99	10.06	9.43	8.67	8.97	93.2	8.90	9.03	
Stevens, Deajah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 USATF National Championships (Sacramento, CA)			<i>Track Newsletter (2017) - USATF championships women</i>								
date	25-Jun-17	time		11.5		22.3	22.30	/ 1			
reaction time		interval				10.80		# of strides	11.50	10.80	0.70
wind	-2.5 m/s	velocity		8.70		9.26	8.97		8.70	9.26	
Stevens, Deajah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	10-Jul-16	time		11.4		22.3	22.30	4 / 2			
reaction time	0.185	interval				10.90		# of strides	11.40	10.90	0.50
wind	-0.6 m/s	velocity		8.77		9.17	8.97	100.0	8.77	9.17	
Ofili, Favour (NGR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time		11.45		22.30	22.30	4 / 3			
reaction time	0.161	interval				10.85		# of strides	11.45	10.85	0.60
wind	-0.1 m/s	velocity		8.73		9.22	8.97	93.0	8.73	9.22	
Davis, Tamari (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting International Mohammed VI d'Atlétisme (Rabat, MAR)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	28-May-23	time	6.13	11.22	16.48	22.30	22.30	5 / 3			
reaction time	0.123	interval		5.09	5.26	5.82	PB	# of strides	11.22	11.08	0.14
wind	0.8 m/s	velocity	8.16	9.82	9.51	8.59	8.97	91.5	8.91	9.03	
Strachan, Anthonique (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		11.52		22.30	22.30	7 / 3			
reaction time	0.159	interval				10.78		# of strides	11.52	10.78	0.74
wind	-0.2 m/s	velocity		8.68		9.28	8.97	86.7	8.68	9.28	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	05-Aug-24	time	6.30	11.30	16.56	22.30	22.30	8 / 3			
reaction time	0.170	interval		5.00	5.26	5.74		# of strides	11.30	11.00	0.30
wind	0.0 m/s	velocity	7.94	10.00	9.51	8.71	8.97	100.7	8.85	9.09	
Paulino, Marileidy (DOM) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.47	11.59	16.75	22.30	22.30	6 / 1			
reaction time	0.220	interval		5.12	5.16	5.55	NR	# of strides	11.59	10.71	0.88
wind	1.0 m/s	velocity	7.73	9.77	9.69	9.01	8.97	85.7	8.63	9.34	
Young-Stone, Dannette (USA) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time		11.39	16.68	22.31	22.31	3 / 1			
reaction time		interval			5.29	5.63	PB	# of strides	11.39	10.92	0.47

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wind	0.5 m/s	velocity	8.78	9.45	8.88	8.96		8.78	9.16		
Smith, Rachelle (USA) (1981)											
FINAL	- 2005 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - World championships- women</i>										
date	12-Aug-05	time		11.5		22.3	22.31	4 / 2			
reaction time	0.161	interval				10.80		# of strides	11.50	10.80	0.70
wind	0.2 m/s	velocity		8.70		9.26	8.96	95.2	8.70	9.26	
Arron, Christine (FRA) (1973)											
FINAL	- 2005 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - World championships- women</i>										
date	12-Aug-05	time		11.3		22.3	22.31	5 / 3			
reaction time	0.184	interval				11.00		# of strides	11.30	11.00	0.30
wind	0.2 m/s	velocity		8.85		9.09	8.96	90.5	8.85	9.09	
Smith, Rachelle (USA) (1981)											
FINAL	- 2006 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2006)</i>										
date	25-Jun-06	time	6.34	11.44	16.73	22.31	22.31	3 / 1			
reaction time		interval		5.10	5.29	5.58		# of strides	11.44	10.87	0.57
wind	0.3 m/s	velocity	7.89	9.80	9.45	8.96	8.96		8.74	9.20	
Tarmoh, Jeneba (USA) (1989)											
FINAL	- 2015 IAAF World Championships (Beijing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>										
date	28-Aug-15	time		11.2		22.3	22.31	8 / 6			
reaction time	0.150	interval				11.10		# of strides	11.20	11.10	0.10
wind	0.2 m/s	velocity		8.93		9.01	8.96	90.2	8.93	9.01	
Asher-Smith, Dina (GBR) (1995)											
FINAL	- 2016 Olympic Games (Rio de Janeiro, BRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>										
date	17-Aug-16	time		11.3		22.31	22.31	2 / 5			
reaction time	0.135	interval				11.01		# of strides	11.30	11.01	0.29
wind	-0.1 m/s	velocity		8.85		9.08	8.96	97.0	8.85	9.08	
Strachan, Anthonique (BAH) (1993)											
Heat 1	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.50		22.31	22.31	9 / 1			
reaction time	0.169	interval				10.81		# of strides	11.50	10.81	0.69
wind	-0.4 m/s	velocity		8.70		9.25	8.96	87.0	8.70	9.25	
Alfred, Julien (LCA) (2001)											
Heat 4	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.62		22.31	22.31	4 / 1			
reaction time	0.174	interval				10.69		# of strides	11.62	10.69	0.93
wind	-0.4 m/s	velocity		8.61		9.35	8.96	96.7	8.61	9.35	
Strachan, Anthonique (BAH) (1993)											
FINAL	- 2023 Memorial van Damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>										
date	08-Sep-23	time	6.31	11.37	16.65	22.31	22.31	5 / 2			
reaction time	0.160	interval		5.06	5.28	5.66		# of strides	11.37	10.94	0.43
wind	0.2 m/s	velocity	7.92	9.88	9.47	8.83	8.96	88.0	8.80	9.14	
Asher-Smith, Dina (GBR) (1995)											
Semi-Final 2	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	05-Aug-24	time	6.11	11.09	16.43	22.31	22.31	7 / 2			
reaction time	0.158	interval		4.98	5.34	5.88		# of strides	11.09	11.22	-0.13
wind	0.2 m/s	velocity	8.18	10.04	9.36	8.50	8.96	96.0	9.02	8.91	
Hunt, Amy (GBR) (2002)											
FINAL	- 2025 London Athletics Meet (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	19-Jul-25	time	6.19	11.22	16.45	22.31	22.31	5 / 3			
reaction time	0.155	interval		5.03	5.23	5.86	PB	# of strides	11.22	11.09	0.13
wind	-0.6 m/s	velocity	8.08	9.94	9.56	8.53	8.96	93.0	8.91	9.02	
Hunt, Amy (GBR) (2002)											
FINAL	- 2025 Kamila Skolimowska Memorial (Chorzów, POL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	16-Aug-25	time	6.31	11.39	16.63	22.31	22.31	7 / 4			
reaction time	0.168	interval		5.08	5.24	5.68		# of strides	11.39	10.92	0.47

wind	-2.0 m/s	velocity	7.92	9.84	9.54	8.80	8.96	92.0	8.78	9.16	
Ofili, Favour (NGR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Athletissima (Lausanne, SUI)			Omega Timing (2025) - diamond league race analysis								
date	20-Aug-25	time	6.36	11.35	16.63	22.31	22.31	7 / 2			
reaction time	0.239	interval		4.99	5.28	5.68		# of strides	11.35	10.96	0.39
wind	-0.5 m/s	velocity	7.86	10.02	9.47	8.80	8.96	95.5	8.81	9.12	
Jackson, Grace (JAM) (1961)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1984 Olympic Games (Los Angeles, CA)			Gleason (1984) - 200 meters, Brisco-Hooks gets gold, record								
date	09-Aug-84	time		11.56		22.32	22.32	1 / 2			
reaction time		interval				10.76		# of strides	11.56	10.76	0.80
wind	1.4 m/s	velocity		8.65		9.29	8.96	84.7	8.65	9.29	
Cazier, Marie-Christine (FRA) (1963)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1986 European Championships (Stuttgart, FRG)			Veney - 200m women from PJ								
date	29-Aug-86	time		11.36		22.32	22.32	3 / 2			
reaction time	0.196	interval				10.96	PB	# of strides	11.36	10.96	0.40
wind	-0.8 m/s	velocity		8.80		9.12	8.96	98.0	8.80	9.12	
Onyali, Mary (NGR) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			Veney - 200m women from PJ								
date	19-Aug-93	time	6.30	11.36	16.66	22.32	22.32	2 / 5			
reaction time	0.216	interval		5.06	5.30	5.66		# of strides	11.36	10.96	0.40
wind	0.0 m/s	velocity	7.94	9.88	9.43	8.83	8.96	94.0	8.80	9.12	
Pintusevich, Zhanna (UKR) (1972)			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 the VI th world championships in athletics								
date	08-Aug-97	time	6.00	11.04	16.36	22.20	22.32	5 / 1			
reaction time	0.124	interval		5.04	5.32	5.84		# of strides	11.04	11.16	-0.12
wind	-0.7 m/s	velocity	8.33	9.92	9.40	8.56	8.96	97.5	9.06	8.96	
Ahoure, Murielle (CIV) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 IAAF World Championships (Moscow, RUS)			Track Newsletter (2013) - world championships women								
date	16-Aug-13	time		11.3		22.3	22.32	6 / 2			
reaction time	0.180	interval				11.00		# of strides	11.30	11.00	0.30
wind	-0.3 m/s	velocity		8.85		9.09	8.96	99.2	8.85	9.09	
Okagbare, Blessing (NGR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 IAAF World Championships (Moscow, RUS)			Track Newsletter (2013) - world championships women								
date	16-Aug-13	time		11.3		22.3	22.32	5 / 3			
reaction time	0.154	interval				11.00		# of strides	11.30	11.00	0.30
wind	-0.3 m/s	velocity		8.85		9.09	8.96	90.5	8.85	9.09	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	21-Jul-22	time		11.33		22.32	22.32	5 / 6			
reaction time	0.197	interval				10.99		# of strides	11.33	10.99	0.34
wind	0.6 m/s	velocity		8.83		9.10	8.96	101.0	8.83	9.10	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.23	11.24	16.51	22.32	22.32	3 / 1			
reaction time		interval		5.01	5.27	5.81		# of strides	11.24	11.08	0.16
wind	1.6 m/s	velocity	8.03	9.98	9.49	8.61	8.96		8.90	9.03	
Azarashvili, Maya (URS) (1964)			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	29-Sep-88	time	6.30	11.37	16.65	22.33	22.33	6 / 4			
reaction time	0.168	interval		5.07	5.28	5.68		# of strides	11.37	10.96	0.41
wind	1.7 m/s	velocity	7.94	9.86	9.47	8.80	8.96	101.0	8.80	9.12	
Azarashvili, Maya (URS) (1964)			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	29-Sep-88	time	6.34	11.41	16.68	22.33	22.33	2 / 7			
reaction time	0.170	interval		5.07	5.27	5.65		# of strides	11.41	10.92	0.49

wind	1.3 m/s	velocity	7.89	9.86	9.49	8.85	8.96	101.0	8.76	9.16	
Feagin, Zundra (USA) (1973)			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		11.33	16.57	22.33	22.33	6 / 5			
reaction time		interval			5.24	5.76		# of strides	11.33	11.00	0.33
wind	-0.6 m/s	velocity		8.83	9.54	8.68	8.96		8.83	9.09	
Lee, Muna (USA) (1981)			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	6.34	11.40	16.60	22.33	22.33	8 / 2			
reaction time		interval		5.06	5.20	5.73		# of strides	11.40	10.93	0.47
wind	0.0 m/s	velocity	7.89	9.88	9.62	8.73	8.96		8.77	9.15	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	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		11.31		22.33	22.33	5 / 1			
reaction time	0.164	interval				11.02		# of strides	11.31	11.02	0.29
wind	2.5 m/s	velocity		8.84		9.07	8.96	93.7	8.84	9.07	
Mays, Jadyn (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	6.30	11.54	16.72	22.33	22.33	8 / 3			
reaction time		interval		5.24	5.18	5.61		# of strides	11.54	10.79	0.75
wind	1.8 m/s	velocity	7.94	9.54	9.65	8.91	8.96	99.2	8.67	9.27	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.26		22.33	22.33	9 / 1			
reaction time	0.209	interval				11.07		# of strides	11.26	11.07	0.19
wind	0.0 m/s	velocity		8.88		9.03	8.96	94.0	8.88	9.03	
Colander, LaTasha (USA) (1976)			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)								
date	26-Jun-05	time	6.41	11.41	16.58	22.34	22.34	4 / 3			
reaction time		interval		5.00	5.17	5.76	PB	# of strides	11.41	10.93	0.48
wind	0.3 m/s	velocity	7.80	10.00	9.67	8.68	8.95	100.2	8.76	9.15	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 USATF National Championships (Indianapolis, IN)			Track Newsletter (2005) - World championships- women								
date	24-Jun-07	time		11.5		22.3	22.34	4 / 1			
reaction time		interval				10.80		# of strides	11.50	10.80	0.70
wind	0.4 m/s	velocity		8.70		9.26	8.95	89.0	8.70	9.26	
Campbell, Veronica (USA) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Championships (Osaka, JPN)			Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data								
date	31-Aug-07	time	6.19	11.10	16.43	22.34	22.34	6 / 2			
reaction time	0.161	interval		4.91	5.33	5.91		# of strides	11.10	11.24	-0.14
wind	1.7 m/s	velocity	8.08	10.18	9.38	8.46	8.95	97.2	9.01	8.90	
Hooker, Marshevet (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Olympic Games (Beijing, CHN)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	21-Aug-08	time		11.21		22.34	22.34	7 / 5			
reaction time	0.200	interval				11.13	PB	# of strides	11.21	11.13	0.08
wind	0.6 m/s	velocity		8.92		8.98	8.95	92.5	8.92	8.98	
Duncan, Kimberlyn (USA) (1991)			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	30-Jun-12	time		11.5		22.34	22.34	3 / 4			
reaction time	0.190	interval				10.84		# of strides	11.50	10.84	0.66
wind	1.0 m/s	velocity		8.70		9.23	8.95	97.7	8.70	9.23	
Ahye, Michelle-Lee (TTO) (1992)			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	17-Aug-16	time		11.2		22.34	22.34	7 / 6			
reaction time	0.158	interval				11.14		# of strides	11.20	11.14	0.06

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DV=Drug Violation

wind	-0.1 m/s	velocity	8.93	8.98	8.95	97.5	8.93	8.98	
Kambundji, Mujinga (SUI) (1992)									
Heat 5 - 2022 World Athletics Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time	11.39	22.34	22.34	6 / 2			
reaction time	0.119	interval		10.95		# of strides	11.39	10.95	0.44
wind	0.9 m/s	velocity	8.78	9.13	8.95	98.0	8.78	9.13	
Steiner, Abby (USA) (1999)									
FINAL - 2023 Meeting de Paris (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>								
date	09-Jun-23	time	6.25	11.30	16.57	22.34	22.34	4 / 2	
reaction time	0.176	interval	5.05	5.27	5.77		# of strides	11.30	11.04
wind	-0.4 m/s	velocity	8.00	9.90	9.49	8.67	8.95	102.0	8.85
Ta Lou, Marie Josée (CIV) (1988)									
FINAL - 2023 Meeting de Paris (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>								
date	09-Jun-23	time	6.11	11.18	16.49	22.34	22.34	7 / 3	
reaction time	0.168	interval	5.07	5.31	5.85		# of strides	11.18	11.16
wind	-0.4 m/s	velocity	8.18	9.86	9.42	8.55	8.95	98.5	8.94
White, Kayla (USA) (1996)									
Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time	11.38	22.34	22.34	22.34	9 / 4		
reaction time	0.145	interval		10.96		# of strides	11.38	10.96	0.42
wind	-0.2 m/s	velocity	8.79	9.12	8.95	92.0	8.79	9.12	
Davis, Kevona (JAM) (2001)									
Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time	11.38	22.34	22.34	22.34	4 / 5		
reaction time	0.153	interval		10.96		# of strides	11.38	10.96	0.42
wind	-0.2 m/s	velocity	8.79	9.12	8.95	92.0	8.79	9.12	
Feagin, Zundra (USA) (1973)									
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time	11.55	16.64	22.35	22.35	3 / 2		
reaction time		interval	5.09	5.71		# of strides	11.55	10.80	0.75
wind	-0.5 m/s	velocity	8.66	9.82	8.76	8.95	8.66	9.26	
Torrence, Gwen (USA) (1965)									
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time	11.49	16.75	22.35	22.35	6 / 2		
reaction time		interval	5.26	5.60		# of strides	11.49	10.86	0.63
wind	0.5 m/s	velocity	8.70	9.51	8.93	8.95	8.70	9.21	
McDonald, Beverly (JAM) (1970)									
FINAL - 2000 Olympic Games (Sydney, AUS)	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	28-Sep-00	time	11.4	22.4	22.35	22.35	1 / 4 3		
reaction time	0.151	interval		11.0		# of strides	11.40	11.00	0.40
wind	0.7 m/s	velocity	8.77	9.09	8.95	99.7	8.77	9.09	
Jeter, Carmelita (USA) (1979)									
FINAL - 2008 USA Olympic Trials (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	06-Jul-08	time	6.38	11.51	16.71	22.35	22.35	2 / 6	
reaction time		interval	5.13	5.20	5.64		# of strides	11.51	10.84
wind	5.6 m/s	velocity	7.84	9.75	9.62	8.87	8.95	8.69	9.23
Campbell-Brown, Veronica (JAM) (19)									
FINAL - 2009 IAAF World Championships (Berlin, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	21-Aug-09	time	6.19	11.14	16.49	22.35	22.35	5 / 2	
reaction time	0.184	interval	4.95	5.35	5.86		# of strides	11.14	11.21
wind	-0.1 m/s	velocity	8.08	10.10	9.35	8.53	8.95	98.0	8.98
Knight, Bianca (USA) (1989)									
FINAL - 2011 USATF National Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2011) - USATF women's championships</i>								
date	26-Jun-11	time	11.5	22.4	22.35	22.35	1 / 4		
reaction time		interval		10.90	PB		# of strides	11.50	10.90

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DV=Drug Violation

wind	1.0 m/s	velocity	8.70	9.17	8.95	8.70	9.17				
Duncan, Kimberlyn (USA) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 USATF National Championships (Eugene, OR)										<i>Track Newsletter (2011) - USATF women's championships</i>	
date	26-Jun-11	time	11.7			22.4	22.35	1 / 5			
reaction time		interval				10.70		# of strides	11.70	10.70	1.00
wind	1.0 m/s	velocity	8.55			9.35	8.95		8.55	9.35	
Tarmoh, Jeneba (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 USA Olympic Trials (Eugene, OR)										<i>Hymans (2020) - history of the US olympic trials - track and field</i>	
date	30-Jun-12	time	11.3			22.35	22.35	7 / 5			
reaction time	0.213	interval				11.05		# of strides	11.30	11.05	0.25
wind	1.0 m/s	velocity	8.85			9.05	8.95	96.0	8.85	9.05	
Miller-Uibo, Shaunae (BAH) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)										<i>Omega Timing (2022) - diamond league race analysis</i>	
date	06-Aug-22	time	6.34	11.43	16.69	22.35	22.35	9 / 2			
reaction time	0.156	interval		5.09	5.26	5.66		# of strides	11.43	10.92	0.51
wind	0.2 m/s	velocity	7.89	9.82	9.51	8.83	8.95	89.0	8.75	9.16	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Prefontaine Classic (Eugene, OR)										<i>Omega Timing (2023) - diamond league race analysis</i>	
date	17-Sep-23	time	6.29	11.32	16.59	22.35	22.35	4 / 5			
reaction time	0.148	interval		5.03	5.27	5.76		# of strides	11.32	11.03	0.29
wind	0.3 m/s	velocity	7.95	9.94	9.49	8.68	8.95	92.0	8.83	9.07	
Adeleke, Rhasidat (IRL) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 London Athletics Meet (London, GBR)										<i>Omega Timing (2024) - diamond league race analysis</i>	
date	20-Jul-24	time	6.37	11.43	16.69	22.35	22.35	8 / 5			
reaction time	0.132	interval		5.06	5.26	5.66		# of strides	11.43	10.92	0.51
wind	-0.9 m/s	velocity	7.85	9.88	9.51	8.83	8.95		8.75	9.16	
Givens, Randy (USA) (1962)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1984 Olympic Games (Los Angeles, CA)										<i>Vogel (1984) - olympische spiele in los angeles</i>	
date	09-Aug-84	time	11.51			22.36	22.36	5 / 6			
reaction time	0.184	interval				10.85		# of strides	11.51	10.85	0.66
wind	0.1 m/s	velocity	8.69			9.22	8.94	98.0	8.69	9.22	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 USA Olympic Trials (Sacramento, CA)										<i>USATF Women's Sprint Development (2004)</i>	
date	18-Jul-04	time	6.36	11.50	16.75	22.36	22.36	1 / 2			
reaction time		interval		5.14	5.25	5.61	PB	# of strides	11.50	10.86	0.64
wind	-1.2 m/s	velocity	7.86	9.73	9.52	8.91	8.94	93.0	8.70	9.21	
Solomon, Shalonda (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 USA Olympic Trials (Eugene, OR)										<i>USATF Women's Sprint Development with HPC (2008)</i>	
date	06-Jul-08	time	6.31	11.46	16.69	22.36	22.36	8 / 7			
reaction time		interval		5.15	5.23	5.67		# of strides	11.46	10.90	0.56
wind	5.6 m/s	velocity	7.92	9.71	9.56	8.82	8.94		8.73	9.17	
Simpson, Sherone (JAM) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Olympic Games (Beijing, CHN)										<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>	
date	21-Aug-08	time	11.32			22.36	22.36	8 / 6			
reaction time	0.167	interval				11.04		# of strides	11.32	11.04	0.28
wind	0.6 m/s	velocity	8.83			9.06	8.94	98.2	8.83	9.06	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)										<i>Omega Timing (2019) - diamond league race analysis</i>	
date	18-Aug-19	time	6.3	11.4	16.8	22.36	22.36	5 / 2			
reaction time	0.147	interval		5.1	5.4	5.56		# of strides	11.40	10.96	0.44
wind	0.4 m/s	velocity	7.94	9.80	9.26	8.99	8.94	96.2	8.77	9.12	
Ta Lou, Marie Josée (CIV) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Bauhaus Galan (Stockholm, SWE)										<i>Omega Timing (2021) - diamond league race analysis</i>	
date	04-Jul-21	time	6.2	11.3	16.6	22.36	22.36	6 / 2			
reaction time	0.156	interval		5.10	5.30	5.76		# of strides	11.30	11.06	0.24

wind	-0.4 m/s	velocity	8.06	9.80	9.43	8.68	8.94	98.2	8.85	9.04	
Gbai, Jessika (CIV) (1998)			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	05-Aug-24	time	6.35	11.42	16.71	22.36	22.36	8 / 3			
reaction time	0.170	interval		5.07	5.29	5.65	PB	# of strides	11.42	10.94	0.48
wind	0.1 m/s	velocity	7.87	9.86	9.45	8.85	8.94	95.0	8.76	9.14	
Eckert-Wöckel, Bärbel (GDR) (1955)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1976 Olympic Games (Montreal, CAN)			Breizer (1984) - sprint competition analysis								
date	28-Jul-76	time		11.32	16.82	22.37	22.37	2 / 1			
reaction time		interval			5.50	5.55	OR	# of strides	11.32	11.05	0.27
wind	0.0 m/s	velocity		8.83	9.09	9.01	8.94	98.5	8.83	9.05	
Smallwood-Cook, Kathy (GBR) (1960)			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		11.55	16.78	22.37	22.37	3 / 3			
reaction time	0.213	interval			5.23	5.59		# of strides	11.55	10.82	0.73
wind	1.5 m/s	velocity		8.66	9.56	8.94	8.94	91.0	8.66	9.24	
Malchugina, Galina (RUS) (1962)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)			Veney - 200m women from PJ								
date	10-Aug-95	time		11.35	16.57	22.37	22.37	3 / ~~4~~ 3			
reaction time		interval			5.22	5.80		# of strides	11.35	11.02	0.33
wind	-2.2 m/s	velocity		8.81	9.58	8.62	8.94	97.7	8.81	9.07	
Ferguson, Debbie (BAH) (1976)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 Olympic Games (Sydney, AUS)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	28-Sep-00	time		11.3		22.4	22.37	5 / ~~5~~ 4			
reaction time	0.196	interval				11.1		# of strides	11.30	11.10	0.20
wind	0.7 m/s	velocity		8.85		9.01	8.94	95.5	8.85	9.01	
Barber, Me'Lisa (USA) (1980)			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)								
date	26-Jun-05	time	6.36	11.29	16.63	22.37	22.37	5 / 4			
reaction time		interval		4.93	5.34	5.74	PB	# of strides	11.29	11.08	0.21
wind	0.3 m/s	velocity	7.86	10.14	9.36	8.71	8.94	99.2	8.86	9.03	
Jeter, Carmelita (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 IAAF World Championships (Daegu, KOR)			KSSB (2011) - biomechanical analysis of men's 200m (final)								
date	02-Sep-11	time	6.08	11.15	16.44	22.37	22.37	4 / 2			
reaction time	0.178	interval		5.07	5.29	5.93		# of strides	11.15	11.22	-0.07
wind	-1.0 m/s	velocity	8.22	9.86	9.45	8.43	8.94	98.2	8.97	8.91	
Asher-Smith, Dina (GBR) (1995)			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	11.3	16.7	22.37	22.37	4 / 3			
reaction time	0.160	interval		5.10	5.40	5.67		# of strides	11.30	11.07	0.23
wind	1.3 m/s	velocity	8.06	9.80	9.26	8.82	8.94	93.5	8.85	9.03	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2022) - diamond league race analysis								
date	30-Jun-22	time	6.10	11.15	16.47	22.37	22.37	5 / 1			
reaction time	0.158	interval		5.05	5.32	5.90		# of strides	11.15	11.22	-0.07
wind	0.1 m/s	velocity	8.20	9.90	9.40	8.47	8.94	95.0	8.97	8.91	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2022) - diamond league race analysis								
date	30-Jun-22	time	6.17	11.23	16.54	22.37	22.37	6 / 2			
reaction time	0.129	interval		5.06	5.31	5.83		# of strides	11.23	11.14	0.09
wind	0.1 m/s	velocity	8.10	9.88	9.42	8.58	8.94	100.0	8.90	8.98	
Stevens, Deajah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.24	11.28	16.59	22.37	22.37	6 / 2			
reaction time		interval		5.04	5.31	5.78		# of strides	11.28	11.09	0.19

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DV=Drug Violation

wind	0.1 m/s	velocity	8.01	9.92	9.42	8.65	8.94	91.0	8.87	9.02
Ta Lou-Smith, Marie-Josée (CIV) (198										
FINAL	- 2025 Athletissima (Lausanne, SUI)									<i>Omega Timing (2025) - diamond league race analysis</i>
date	20-Aug-25	time	6.31	11.36	16.65	22.37	22.37	2 / 3		
reaction time	0.210	interval		5.05	5.29	5.72		# of strides	11.36	11.01
wind	-0.5 m/s	velocity	7.92	9.90	9.45	8.74	8.94		8.80	9.08
Stecher, Renate (GDR) (1950)										
FINAL	- 1973 (Dresden, GDR)									<i>Breizer (1984) - sprint competition analysis</i>
date	21-Jul-73	time		11.32	16.86	22.38	22.38			
reaction time		interval			5.54	5.52	WR	# of strides	11.32	11.06
wind	1.6 m/s	velocity		8.83	9.03	9.06	8.94		8.83	9.04
Smallwood-Cook, Kathy (GBR) (1960										
Semi-Final 2	- 1984 Olympic Games (Los Angeles, CA)									<i>Gleason (1984) - 200 meters, Brisco-Hooks gets gold, record</i>
date	09-Aug-84	time		11.41		22.38	22.38	5 / 3		
reaction time		interval				10.97		# of strides	11.41	10.97
wind	1.4 m/s	velocity		8.76		9.12	8.94	89.2	8.76	9.12
Griffith-Joyner, Florence (USA) (1959										
Semi-Final 2	- 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	6.39	11.42	16.77	22.38	22.38	5 / 1		
reaction time	0.208	interval		5.03	5.35	5.61		# of strides	11.42	10.96
wind	-1.9 m/s	velocity	7.82	9.94	9.35	8.91	8.94	95.5	8.76	9.12
Onyali, Mary (NGR) (1968)										
FINAL	- 1996 Olympic Games (Atlanta, GA)									<i>Veney - 200m women from PJ</i>
date	01-Aug-96	time		11.37	16.63	22.38	22.38	4 / 3		
reaction time	0.231	interval			5.26	5.75		# of strides	11.37	11.01
wind	0.3 m/s	velocity		8.80	9.51	8.70	8.94	92.7	8.80	9.08
Perry, Nanceen (USA) (1977)										
FINAL	- 2000 USA Olympic Trials (Sacramento, CA)									<i>Track Newsletter (2000) - US olympic trials</i>
date	23-Jul-00	time		11.3		22.4	22.38	6 / 3		
reaction time		interval				11.10	PB	# of strides	11.30	11.10
wind	0.5 m/s	velocity		8.85		9.01	8.94		8.85	9.01
Edwards, Torri (USA) (1977)										
Semi-Final 1	- 2004 USA Olympic Trials (Sacramento, CA)									<i>USATF Women's Sprint Development (2004)</i>
date	17-Jul-04	time	6.26	11.45	16.65	22.38	22.38	5 / ~~4~~		
reaction time		interval		5.19	5.20	5.73	DV	# of strides	11.45	10.93
wind	0.5 m/s	velocity	7.99	9.63	9.62	8.73	8.94	95.5	8.73	9.15
Campbell, Veronica (JAM) (1982)										
FINAL	- 2005 IAAF World Championships (Helsinki, FIN)									<i>Track Newsletter (2005) - World championships- women</i>
date	12-Aug-05	time		11.2		22.4	22.38	7 / 4		
reaction time	0.158	interval				11.20		# of strides	11.20	11.20
wind	0.2 m/s	velocity		8.93		8.93	8.94	98.7	8.93	8.93
Campbell-Brown, Veronica (JAM) (19										
FINAL	- 2012 Olympic Games (London, GBR)									<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>
date	08-Aug-12	time		11.10		22.38	22.38	5 / 4		
reaction time	0.176	interval				11.28		# of strides	11.10	11.28
wind	-0.2 m/s	velocity		9.01		8.87	8.94	97.2	9.01	8.87
McGrone, Candyce (USA) (1989)										
FINAL	- 2015 USATF National Championships (Eugene, OR)									<i>Track Newsletter (2015) - USATF women's championships</i>
date	28-Jun-14	time		11.5		22.4	22.38	1 / 2		
reaction time		interval				10.90	PB	# of strides	11.50	10.90
wind	0.4 m/s	velocity		8.70		9.17	8.94		8.70	9.17
Prandini, Jenna (USA) (1992)										
Heat 6	- 2022 World Athletics Championships (Eugene, OR)									<i>Timing by Seiko (2022) - world athletics championships race analysis</i>
date	18-Jul-22	time		11.29		23.38	22.38	4 / 2		
reaction time	0.145	interval				12.09		# of strides	11.29	12.09

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wind	1.9 m/s	velocity	8.86	8.27	8.94	96.2	8.86	8.27		
Thomas, Gabrielle (USA) (1996)										
FINAL	2022 Weltklasse (Zürich, SUI)									
date	08-Sep-22	time	6.24	11.29	16.65	22.38	22.38	7 / 2		
reaction time	0.145	interval		5.05	5.36	5.73		# of strides	11.29	11.09
wind	-0.9 m/s	velocity	8.01	9.90	9.33	8.73	8.94	90.0	8.86	9.02
Brown, Brittany (USA) (1995)										
Heat 5	2024 Olympic Games (Paris, FRA)									
date	04-Aug-24	time	6.34	11.39	16.67	22.38	22.38	7 / 1		
reaction time	0.205	interval		5.05	5.28	5.71		# of strides	11.39	10.99
wind	0.2 m/s	velocity	7.89	9.90	9.47	8.76	8.94	92.0	8.78	9.10
Battle, Anavia (USA) (1999)										
FINAL	2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)									
date	03-May-25	time	6.28	11.36	16.65	22.38	22.38	7 / 1		
reaction time	0.146	interval		5.08	5.29	5.73		# of strides	11.36	11.02
wind	0.5 m/s	velocity	7.96	9.84	9.45	8.73	8.94	94.2	8.80	9.07
Richter, Annegret (FRG) (1956)										
FINAL	1976 Olympic Games (Montreal, CAN)									
date	28-Jul-76	time		11.2		22.4	22.39	5 / 2		
reaction time		interval				11.20		# of strides	11.20	11.20
wind	0.0 m/s	velocity		8.93		8.93	8.93	96.7	8.93	8.93
Brown, Alice (USA) (1960)										
FINAL	1988 USA Olympic Trials (Seoul, KOR)									
date	23-Jul-88	time		11.39	16.68	22.39	22.39	3 / 5		
reaction time		interval			5.29	5.71	PB	# of strides	11.39	11.00
wind	1.3 m/s	velocity		8.78	9.45	8.76	8.93	97.0	8.78	9.09
Finn, Michelle (USA) (1965)										
Semi-Final 2	1992 Olympic Games (Barcelona, ESP)									
date	05-Aug-92	time		11.24	16.59	22.39	22.39	4 / 4		
reaction time		interval			5.35	5.80	PB	# of strides	11.24	11.15
wind	-0.1 m/s	velocity		8.90	9.35	8.62	8.93	95.0	8.90	8.97
Jayasinghe, Susanthika (SRI) (1975)										
FINAL	1997 IAAF World Championships (Athens, GRE)									
date	08-Aug-97	time	6.05	11.07	16.39	22.21	22.39	4 / 2		
reaction time	0.181	interval		5.02	5.32	5.82		# of strides	11.07	11.14
wind	-0.7 m/s	velocity	8.26	9.96	9.40	8.59	8.93	95.0	9.03	8.98
Jones, Marion (USA) (1975)										
FINAL	2001 IAAF World Championships (Edmonton, CAN)									
date	10-Aug-01	time		10.9		22.39	22.39	5 / 4		
reaction time	0.186	interval				11.5	DV	# of strides	10.90	11.49
wind	-0.8 m/s	velocity		9.17		8.70	8.93	94.5	9.17	8.70
Edwards, Torri (USA) (1977)										
FINAL	2004 USA Olympic Trials (Sacramento, CA)									
date	18-Jul-04	time	6.24	11.40	16.60	22.39	22.39	4 / 3		
reaction time		interval		5.16	5.20	5.79	DV	# of strides	11.40	10.99
wind	-1.2 m/s	velocity	8.01	9.69	9.62	8.64	8.93	97.2	8.77	9.10
Richards-Ross, Sanya (USA) (1985)										
FINAL	2012 Olympic Games (London, GBR)									
date	08-Aug-12	time		11.35		22.39	22.39	6 / 5		
reaction time	0.171	interval				11.04		# of strides	11.35	11.04
wind	-0.2 m/s	velocity		8.81		9.06	8.93	96.7	8.81	9.06
Washington, Ariana (USA) (1996)										
FINAL	2017 NCAA Championships (Eugene, OR)									
date	10-Jun-17	time		11.6		22.4	22.39	8 / 2		
reaction time		interval				10.80		# of strides	11.60	10.80

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wind	1.1 m/s	velocity	8.62	9.26	8.93	92.2	8.62	9.26			
Mitchell, A'Keyla (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 USATF National Championships (Eugene, OR)			<i>Track Newsletter (2022) - USATF championships women</i>								
date	26-Jun-22	time	6.41	11.50	16.76	22.39	22.39	/ 6			
reaction time		interval		5.09	5.26	5.63	PB	# of strides	11.50	10.89	0.61
wind	-0.3 m/s	velocity	7.80	9.82	9.51	8.88	8.93		8.70	9.18	
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 USATF National Championships (Eugene, OR)			<i>Track Newsletter (2022) - USATF championships women</i>								
date	26-Jun-22	time	6.34	11.49	16.74	22.39	22.39	/ 7			
reaction time		interval		5.15	5.25	5.65		# of strides	11.49	10.90	0.59
wind	-0.3 m/s	velocity	7.89	9.71	9.52	8.85	8.93		8.70	9.17	
Thompson-Herah, Elaine (JAM) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	21-Jul-22	time		11.36		22.39	22.39	2 / 7			
reaction time	0.139	interval				11.03		# of strides	11.36	11.03	0.33
wind	0.6 m/s	velocity		8.80		9.07	8.93	97.0	8.80	9.07	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	06-Aug-22	time	6.25	11.24	16.52	22.39	22.39	5 / 3			
reaction time	0.168	interval		4.99	5.28	5.87		# of strides	11.24	11.15	0.09
wind	0.2 m/s	velocity	8.00	10.02	9.47	8.52	8.93	95.7	8.90	8.97	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.41		22.39	22.39	7 / 2			
reaction time	0.161	interval				10.98		# of strides	11.41	10.98	0.43
wind	-0.4 m/s	velocity		8.76		9.11	8.93	91.0	8.76	9.11	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	04-Aug-24	time	6.40	11.43	16.66	22.39	22.39	5 / 1			
reaction time	0.149	interval		5.03	5.23	5.73		# of strides	11.43	10.96	0.47
wind	0.0 m/s	velocity	7.81	9.94	9.56	8.73	8.93	90.0	8.75	9.12	
Ta Lou-Smith, Marie-Josée (CIV) (198)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time		6.24		22.39	22.39	3 / 2			
reaction time	0.186	interval				16.15		# of strides			
wind	0.1 m/s	velocity		8.01		9.29	8.93	97.0			
Stecher, Renate (GDR) (1950)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1972 Olympic Games (Munich, FRG)			<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>								
date	09-Jul-72	time		11.28	16.54	22.40	22.40	6 / 1			
reaction time		interval			5.26	5.86	=WR	# of strides	11.28	11.12	0.16
wind	1.1 m/s	velocity		8.87	9.51	8.53	8.93	105.0	8.87	8.99	
Torrence, Gwen (USA) (1965)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1987 IAAF World Championships (Rome, ITA)			<i>Veney - 200m women from PJ</i>								
date	03-Sep-87	time		11.69	16.92	22.40	22.40	8 / 5			
reaction time		interval			5.23	5.48	PB	# of strides	11.69	10.71	0.98
wind	1.2 m/s	velocity		8.55	9.56	9.12	8.93		8.55	9.34	
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 IAAF World Championships (Athens, GRE)			<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics</i>								
date	08-Aug-97	time	5.99	10.99	16.23	22.25	22.40	3 / 3			
reaction time	0.146	interval		5.00	5.24	6.02		# of strides	10.99	11.26	-0.27
wind	-0.7 m/s	velocity	8.35	10.00	9.54	8.31	8.93	95.0	9.10	8.88	
Strachan, Anthonique (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	21-Jul-23	time	6.33	11.43	16.75	22.40	22.40	2 / 4			
reaction time	0.158	interval		5.10	5.32	5.65		# of strides	11.43	10.97	0.46

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wind	0.2 m/s	velocity	7.90	9.80	9.40	8.85	8.93		8.75	9.12	
McLaughlin-Levrone, Sydney (USA) ()											
Invitational	- 2024 Memorial van damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	14-Sep-24	time	6.41	11.52	16.80	22.40	22.40	6 / 1			
reaction time	0.157	interval		5.11	5.28	5.60		# of strides	11.52	10.88	0.64
wind	0.1 m/s	velocity	7.80	9.78	9.47	8.93	8.93	90.5	8.68	9.19	
Asher-Smith, Dina (GBR) (1995)											
Heat 6	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	17-Sep-25	time		11.18		22.40	22.40	7 / 1			
reaction time	0.154	interval				11.22		# of strides	11.18	11.22	-0.04
wind	0.0 m/s	velocity		8.94		8.91	8.93	95.0	8.94	8.91	
Miller, Inger (USA) (1972)											
FINAL	- 1996 Olympic Games (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Veney - 200m women from PJ</i>											
date	01-Aug-96	time		11.36	16.63	22.41	22.41	7 / 4			
reaction time	0.172	interval			5.27	5.78		# of strides	11.36	11.05	0.31
wind	0.3 m/s	velocity		8.80	9.49	8.65	8.92	96.7	8.80	9.05	
Ferguson-McKenzie, Debbie (BAH) ()											
FINAL	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	21-Aug-09	time	6.27	11.29	16.65	22.41	22.41	4 / 3			
reaction time	0.171	interval		5.02	5.36	5.76		# of strides	11.29	11.12	0.17
wind	-0.1 m/s	velocity	7.97	9.96	9.33	8.68	8.92	95.7	8.86	8.99	
Lalova-Collio, Ivet (BUL) (1984)											
FINAL	- 2015 IAAF World Championships (Beijing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>											
date	28-Aug-15	time		11.4		22.4	22.41	3 / 7			
reaction time	0.157	interval				11.00		# of strides	11.40	11.00	0.40
wind	0.2 m/s	velocity		8.77		9.09	8.92	92.2	8.77	9.09	
Fraser-Price, Shelly-Ann (JAM) (1986)											
FINAL	- 2022 Prefontaine Classic (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	28-May-22	time	6.22	11.31	16.63	22.41	22.41	5 / 1			
reaction time	0.155	interval		5.09	5.32	5.78		# of strides	11.31	11.10	0.21
wind	1.3 m/s	velocity	8.04	9.82	9.40	8.65	8.92	98.5	8.84	9.01	
Gaither, TyNia (BAH) (1993)											
Semi-Final 1	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	19-Jul-22	time		11.51		22.41	22.41	8 / 5			
reaction time	0.152	interval				10.90	PB	# of strides	11.51	10.90	0.61
wind	2.0 m/s	velocity		8.69		9.17	8.92	101.5	8.69	9.17	
Hemida, Bassant (EGY) (1996)											
FINAL	- 2023 FBK Games (Hengelo, NED)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2023) - continental tour race analysis</i>											
date	04-Jun-23	time	6.40	11.57	16.82	22.41	22.41	6 / 1			
reaction time	0.171	interval		5.17	5.25	5.59	NR PB	# of strides	11.57	10.84	0.73
wind	1.4 m/s	velocity	7.81	9.67	9.52	8.94	8.92	100.2	8.64	9.23	
Thompson-Herah, Elaine (JAM) (1992)											
Heat 2	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		11.40		22.41	22.41	8 / 2			
reaction time	0.153	interval				11.01		# of strides	11.40	11.01	0.39
wind	-0.2 m/s	velocity		8.77		9.08	8.92	97.0	8.77	9.08	
Battle, Anavia (USA) (1999)											
Semi-Final 2	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	6.36	11.56	16.78	22.41	22.41	7 / 4			
reaction time		interval		5.20	5.22	5.63		# of strides	11.56	10.85	0.71
wind	0.6 m/s	velocity	7.86	9.62	9.58	8.88	8.92	96.0	8.65	9.22	
Alfred, Julien (LCA) (2001)											
Heat 1	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	04-Aug-24	time	6.23	11.32	16.63	22.41	22.41	4 / 1			
reaction time	0.167	interval		5.09	5.31	5.78		# of strides	11.32	11.09	0.23

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wind	1.4 m/s	velocity	8.03	9.82	9.42	8.65	8.92	96.0	8.83	9.02	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2025) - diamond league race analysis								
date	26-Apr-25	time	6.37	11.39	16.63	22.41	22.41	7 / 1			
reaction time	0.145	interval		5.02	5.24	5.78		# of strides	11.39	11.02	0.37
wind	0.4 m/s	velocity	7.85	9.96	9.54	8.65	8.92	94.0	8.78	9.07	
Davies, Thelma (LBR) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)			Grand Slam Track (2025) - results and splits by race								
date	15-Jun-25	time	6.21	11.38	16.55	22.41	22.41	7 / 1			
reaction time	0.177	interval		5.17	5.17	5.86		# of strides	11.38	11.03	0.35
wind	2.2 m/s	velocity	8.05	9.67	9.67	8.53	8.92		8.79	9.07	
Malchugina, Galina (URS) (1962)			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	29-Sep-88	time	6.41	11.54	16.77	22.42	22.42	7 / 8			
reaction time	0.208	interval		5.13	5.23	5.65	PB	# of strides	11.54	10.88	0.66
wind	1.3 m/s	velocity	7.80	9.75	9.56	8.85	8.92	98.0	8.67	9.19	
Yusuf, Fatima (NGR) (1971)			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 in athletics seville 1999								
date	27-Aug-99	time	6.30	11.37	16.68	22.42	22.42	7 / 6			
reaction time	0.147	interval		5.07	5.31	5.74		# of strides	11.37	11.05	0.32
wind	0.6 m/s	velocity	7.94	9.86	9.42	8.71	8.92		8.80	9.05	
Gainsford-Taylor, Melinda (AUS) (197)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 Olympic Games (Sydney, AUS)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	28-Sep-00	time		11.4		22.4	22.42	7 / 5			
reaction time	0.178	interval				11.0		# of strides	11.40	11.00	0.40
wind	0.7 m/s	velocity		8.77		9.09	8.92	93.0	8.77	9.09	
Bailey, Aleen (JAM) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	25-Aug-04	time		11.4		22.4	22.42	6 / 4			
reaction time		interval				11.0		# of strides	11.40	11.00	0.40
wind	0.8 m/s	velocity		8.77		9.09	8.92	92.0	8.77	9.09	
Stewart, Kerron (JAM) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	09-Jun-07	time		11.5		22.4	22.42	6 / 1			
reaction time		interval				10.90		# of strides	11.50	10.90	0.60
wind	1.7 m/s	velocity		8.70		9.17	8.92	96.7	8.70	9.17	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 IAAF World Championships (Daegu, KOR)			KSSB (2011) - biomechanical analysis of men's 200m (final)								
date	02-Sep-11	time	6.18	11.31	16.62	22.42	22.42	3 / 3			
reaction time	0.187	interval		5.13	5.31	5.80		# of strides	11.31	11.11	0.20
wind	-1.0 m/s	velocity	8.09	9.75	9.42	8.62	8.92	88.2	8.84	9.00	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Weltklasse (Zürich, SUI)			Omega Timing (2022) - diamond league race analysis								
date	08-Sep-22	time	6.21	11.26	16.63	22.42	22.42	8 / 3			
reaction time	0.138	interval		5.05	5.37	5.79		# of strides	11.26	11.16	0.10
wind	-0.9 m/s	velocity	8.05	9.90	9.31	8.64	8.92	99.0	8.88	8.96	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	06-Aug-24	time	6.32	11.38	16.71	22.42	22.42	2 / 7			
reaction time	0.164	interval		5.06	5.33	5.71		# of strides	11.38	11.04	0.34
wind	-0.6 m/s	velocity	7.91	9.88	9.38	8.76	8.92	101.7	8.79	9.06	
Parisot, Helene (FRA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			European Athletics (2025) - 2025 euro team champs, 1st division - results book								
date	29-Jun-25	time	6.32	11.38	16.64	22.42	22.42	3 / 2			
reaction time	0.172	interval		5.06	5.26	5.78	PB	# of strides	11.38	11.04	0.34

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wind	0.8 m/s	velocity	7.91	9.88	9.51	8.65	8.92	101.0	8.79	9.06
Ottey, Merlene (JAM) (1960)										
Semi-Final 1	- 1987 IAAF World Championships (Rome, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	03-Sep-87	time	6.43	11.60	16.84	22.43	22.43	7 / 1		
reaction time	0.277	interval		5.17	5.24	5.59		# of strides	11.60	10.83 0.77
wind	-1.0 m/s	velocity	7.78	9.67	9.54	8.94	8.92	92.2	8.62	9.23
Onyali, Mary (NGR) (1968)										
Semi-Final 1	- 1988 Olympic Games (Seoul, KOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	29-Sep-88	time	6.39	11.53	16.83	22.43	22.43	2 / 5		
reaction time	0.213	interval		5.14	5.30	5.60	PB	# of strides	11.53	10.90 0.63
wind	1.7 m/s	velocity	7.82	9.73	9.43	8.93	8.92	93.0	8.67	9.17
Hurtis, Muriel (FRA) (1979)										
FINAL	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	09-Aug-02	time	6.38	11.41	16.69	22.43	22.43	4 / 1		
reaction time	0.180	interval		5.03	5.28	5.74		# of strides	11.41	11.02 0.39
wind	-0.3 m/s	velocity	7.84	9.94	9.47	8.71	8.92		8.76	9.07
Richards, Sanya (USA) (1985)										
FINAL	- 2007 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	24-Jun-07	time		11.4		22.4	22.43	5 / 2		
reaction time		interval				11.00		# of strides	11.40	11.00 0.40
wind	0.4 m/s	velocity		8.77		9.09	8.92	96.0	8.77	9.09
Thompson-Herah, Elaine (JAM) (1992)										
FINAL	- 2021 Müller British Grand Prix (Gateshead, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	13-Jul-21	time	6.2	11.4	16.7	22.43	22.43	5 / 1		
reaction time	0.159	interval		5.20	5.30	5.73		# of strides	11.40	11.03 0.37
wind	0.2 m/s	velocity	8.06	9.62	9.43	8.73	8.92	99.5	8.77	9.07
Paulino, Marileidy (DOM) (1996)										
FINAL	- 2025 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	20-Aug-25	time	6.43	11.50	16.80	22.43	22.43	8 / 4		
reaction time	0.233	interval		5.07	5.30	5.63		# of strides	11.50	10.93 0.57
wind	-0.5 m/s	velocity	7.78	9.86	9.43	8.88	8.92	84.2	8.70	9.15
Asher-Smith, Dina (GBR) (1995)										
FINAL	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	19-Sep-25	time		11.14		22.43	22.43	9 / 5		
reaction time	0.147	interval				11.29		# of strides	11.14	11.29 -0.15
wind	-0.1 m/s	velocity		8.98		8.86	8.92	96.0	8.98	8.86
Gladisch-Möller, Silke (GDR) (1964)										
Heat 1	- 1987 IAAF World Championships (Rome, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	01-Sep-87	time	6.38	11.42	16.59	22.44	22.44	8 / 1		
reaction time	0.280	interval		5.04	5.17	5.85		# of strides	11.42	11.02 0.40
wind	-3.4 m/s	velocity	7.84	9.92	9.67	8.55	8.91		8.76	9.07
Felix, Allyson (USA) (1985)										
Semi-Final 2	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	20-Aug-09	time	6.32	11.34	16.67	22.44	22.44	5 / 1		
reaction time	0.167	interval		5.02	5.33	5.77		# of strides	11.34	11.10 0.24
wind	0.3 m/s	velocity	7.91	9.96	9.38	8.67	8.91	88.0	8.82	9.01
Tarmoh, Jeneba (USA) (1989)										
FINAL	- 2015 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	28-Jun-14	time		11.3		22.4	22.44	/ 3		
reaction time		interval				11.10		# of strides	11.30	11.10 0.20
wind	0.4 m/s	velocity		8.85		9.01	8.91		8.85	9.01
Stevens, Deajah (USA) (1995)										
FINAL	- 2017 IAAF World Championships (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	11-Aug-17	time		11.19	16.47	22.26	22.44	7 / 5		
reaction time	0.178	interval			5.28	5.79		# of strides	11.19	11.07 0.12

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DV=Drug Violation

wind	0.8 m/s	velocity	8.94	9.47	8.64	8.91	88.8	8.94	9.03		
Thompson, Elaine (JAM) (1992)											
FINAL	- 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	12-Jul-19	time	6.3	11.4	16.7	22.44	22.44	5 / 2			
reaction time	0.156	interval		5.1	5.3	5.74		# of strides	11.40	11.04	0.36
wind	0.1 m/s	velocity	7.94	9.80	9.43	8.71	8.91	98.5	8.77	9.06	
Thompson, Elaine (JAM) (1992)											
FINAL	- 2019 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	29-Aug-19	time	6.3	11.3	16.6	22.44	22.44	5 / 3			
reaction time	0.152	interval		5.0	5.3	5.84		# of strides	11.30	11.14	0.16
wind	-0.4 m/s	velocity	7.94	10.00	9.43	8.56	8.91	98.0	8.85	8.98	
Whyte, Natalliah (JAM) (1997)											
Heat 4	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.59		22.44	22.44	8 / 2			
reaction time	0.148	interval				10.85		# of strides	11.59	10.85	0.74
wind	-0.4 m/s	velocity		8.63		9.22	8.91	96.0	8.63	9.22	
Neita, Daryll (GBR) (1996)											
FINAL	- 2025 Kamila Skolimowska Memorial (Chorzów, POL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	16-Aug-25	time	6.20	11.23	16.55	22.44	22.44	8 / 5			
reaction time	0.148	interval		5.03	5.32	5.89		# of strides	11.23	11.21	0.02
wind	-2.0 m/s	velocity	8.06	9.94	9.40	8.49	8.91	92.0	8.90	8.92	
Boyle, Raelene (AUS) (1951)											
FINAL	- 1972 Olympic Games (Munich, FRG)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>										
date	09-Jul-72	time		11.48	16.72	22.45	22.45	4 / 2			
reaction time		interval			5.24	5.73		# of strides	11.48	10.97	0.51
wind	1.1 m/s	velocity		8.71	9.54	8.73	8.91	105.0	8.71	9.12	
Miller, Inger (USA) (1972)											
Semi-Final 2	- 1996 USA Olympic Trials (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (1996)</i>										
date	22-Jun-96	time		11.52	16.83	22.45	22.45	5 / 3			
reaction time		interval			5.31	5.62		# of strides	11.52	10.93	0.59
wind	0.5 m/s	velocity		8.68	9.42	8.90	8.91		8.68	9.15	
Malchugina, Galina (RUS) (1962)											
FINAL	- 1996 Olympic Games (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Veney - 200m women from PJ</i>										
date	01-Aug-96	time		11.56	16.83	22.45	22.45	6 / 5			
reaction time	0.198	interval			5.27	5.62		# of strides	11.56	10.89	0.67
wind	0.3 m/s	velocity		8.65	9.49	8.90	8.91	97.5	8.65	9.18	
Edwards, Torri (USA) (1977)											
FINAL	- 2003 USATF National Championships (Palo Alto, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2003)</i>										
date	22-Jun-03	time	6.44	11.58	16.75	22.45	22.45	8 / ~~2~~ 1			
reaction time		interval		5.14	5.17	5.70		# of strides	11.58	10.87	0.71
wind	0.0 m/s	velocity	7.76	9.73	9.67	8.77	8.91		8.64	9.20	
Arron, Christine (FRA) (1973)											
Semi-Final 1	- 2005 IAAF World Championships (Helsinki, FIN)		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	11-Aug-05	time		11.3		22.45	22.45	6 / 1			
reaction time	0.202	interval				11.15		# of strides	11.30	11.15	0.15
wind	-2.7 m/s	velocity		8.85		8.97	8.91		8.85	8.97	
Schippers, Dafne (NED) (1992)											
FINAL	- 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	12-Jul-19	time	6.3	11.4	16.7	22.45	22.45	7 / 3			
reaction time	0.149	interval		5.1	5.3	5.75		# of strides	11.40	11.05	0.35
wind	0.1 m/s	velocity	7.94	9.80	9.43	8.70	8.91	93.5	8.77	9.05	
Richardson, Sha'Carri (USA) (2000)											
FINAL	- 2021 Memorial van Damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2021) - diamond league race analysis</i>										
date	03-Sep-21	time	6.3	11.3	16.7	22.45	22.45	4 / 4			
reaction time	0.185	interval		5.00	5.40	5.75		# of strides	11.30	11.15	0.15

wind	0.4 m/s	velocity	7.94	10.00	9.26	8.70	8.91	101.0	8.85	8.97	
Prandini, Jenna (USA) (1992)											
FINAL	- 2022 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2022) - diamond league race analysis</i>										
date	08-Sep-22	time	6.31	11.30	16.62	22.45	22.45	6 / 4			
reaction time	0.155	interval		4.99	5.32	5.83		# of strides	11.30	11.15	0.15
wind	-0.9 m/s	velocity	7.92	10.02	9.40	8.58	8.91	96.0	8.85	8.97	
Williams, Bianca (GBR) (1993)											
Semi-Final 3	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	24-Aug-23	time		11.46		22.45	22.45	5 / 4			
reaction time	0.156	interval				10.99	PB	# of strides	11.46	10.99	0.47
wind	-0.2 m/s	velocity		8.73		9.10	8.91	99.0	8.73	9.10	
Neita, Daryll (GBR) (1996)											
FINAL	- 2024 Memorial van damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2024) - diamond league race analysis</i>										
date	14-Sep-24	time	6.38	11.41	16.66	22.45	22.45	6 / 2			
reaction time	0.147	interval		5.03	5.25	5.79		# of strides	11.41	11.04	0.37
wind	0.2 m/s	velocity	7.84	9.94	9.52	8.64	8.91	90.0	8.76	9.06	
Hunt, Amy (GBR) (2002)											
FINAL	- 2025 Meeting de Paris (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	20-Jun-25	time	6.22	11.31	16.61	22.45	22.45	3 / 2			
reaction time	0.151	interval		5.09	5.30	5.84		# of strides	11.31	11.14	0.17
wind	0.9 m/s	velocity	8.04	9.82	9.43	8.56	8.91	93.7	8.84	8.98	
Griffith, Florence (USA) (1959)											
FINAL	- 1983 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>										
date	14-Aug-83	time		11.56	16.80	22.46	22.46	1 / 4			
reaction time	0.161	interval			5.24	5.66		# of strides	11.56	10.90	0.66
wind	1.5 m/s	velocity		8.65	9.54	8.83	8.90	97.5	8.65	9.17	
Möller, Silke (GDR) (1964)											
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Pascua (1990) - atletismo (I) carreras y marcha</i>										
date	08-Sep-89	time		11.28	16.70	22.46	22.46	/ 1			
reaction time	0.203	interval			5.42	5.76		# of strides	11.28	11.18	0.10
wind	0.2 m/s	velocity		8.87	9.23	8.68	8.90		8.87	8.94	
Gevaert, Kim (BEL) (1978)											
Heat 4	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
date	08-Aug-02	time	6.40	11.54	17.00	22.97	22.46	/ 1			
reaction time	0.164	interval		5.14	5.46	5.97		# of strides	11.54	11.43	0.11
wind	-0.8 m/s	velocity	7.81	9.73	9.16	8.38	8.90		8.67	8.75	
Hurtis, Muriel (FRA) (1979)											
Semi-Final 1	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
date	09-Aug-02	time	6.40	11.45	16.75	22.46	22.46	/ 1			
reaction time	0.155	interval		5.05	5.30	5.71		# of strides	11.45	11.01	0.44
wind	1.0 m/s	velocity	7.81	9.90	9.43	8.76	8.90		8.73	9.08	
Lee, Muna (USA) (1981)											
FINAL	- 2005 USATF National Championships (Carson, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2005)</i>										
date	26-Jun-05	time	6.38	11.35	17.22	22.46	22.46	9 / 5			
reaction time		interval		4.97	5.87	5.24		# of strides	11.35	11.11	0.24
wind	0.3 m/s	velocity	7.84	10.06	8.52	9.54	8.90	92.0	8.81	9.00	
Schippers, Dafne (NED) (1992)											
FINAL	- 2019 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	29-Aug-19	time	6.4	11.4	16.7	22.46	22.46	3 / 4			
reaction time	0.162	interval		5.0	5.3	5.76		# of strides	11.40	11.06	0.34
wind	-0.4 m/s	velocity	7.81	10.00	9.43	8.68	8.90	93.5	8.77	9.04	
Asher-Smith, Dina (GBR) (1995)											
Heat 6	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.42		22.46	22.46	8 / 1			
reaction time	0.157	interval				11.04		# of strides	11.42	11.04	0.38

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

wind	-0.3 m/s	velocity	8.76	9.06	8.90	95.0	8.76	9.06			
Kambundji, Mujinga (SUI) (1992)											
FINAL - 2023 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2023) - diamond league race analysis											
date	31-Aug-23	time	6.27	11.39	16.72	22.46	22.46	8 / 4			
reaction time	0.134	interval		5.12	5.33	5.74		# of strides	11.39	11.07	0.32
wind	-0.8 m/s	velocity	7.97	9.77	9.38	8.71	8.90	98.2	8.78	9.03	
Neita, Daryll (GBR) (1996)											
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2024) - diamond league race analysis											
date	30-Aug-24	time	6.29	11.30	16.63	22.46	22.46	5 / 3			
reaction time	0.150	interval		5.01	5.33	5.83		# of strides	11.30	11.16	0.14
wind	0.4 m/s	velocity	7.95	9.98	9.38	8.58	8.90	90.7	8.85	8.96	
Paulino, Marileidy (DOM) (1996)											
Long Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Grand Slam Track (2025) - results and splits by race											
date	01-Jun-25	time	6.39	11.56	16.90	22.46	22.46	6 / 1			
reaction time	0.177	interval		5.17	5.34	5.56		# of strides	11.56	10.90	0.66
wind	1.6 m/s	velocity	7.82	9.67	9.36	8.99	8.90	85.7	8.65	9.17	
Stecher, Renate (GDR) (1950)											
FINAL - 1976 Olympic Games (Montreal, CAN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Breizer (1984) - sprint competition analysis											
date	28-Jul-76	time		11.36		22.47	22.47	8 / 3			
reaction time		interval				11.11		# of strides	11.36	11.11	0.25
wind	0.0 m/s	velocity		8.80		9.00	8.90	103.5	8.80	9.00	
Müller, Romy (GDR) (1968)											
FINAL - 1980 Olympic Games (Moscow, URS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Veney - 200m women from PJ											
date	30-Jul-80	time		11.59	16.90	22.47	22.47	8 / 4			
reaction time	0.128	interval			5.31	5.57	PB	# of strides	11.59	10.88	0.71
wind	1.4 m/s	velocity		8.63	9.42	8.98	8.90		8.63	9.19	
Solomon, Shalonda (USA) (1985)											
FINAL - 2006 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
USATF Women's Sprint Development (2006)											
date	25-Jun-06	time	6.39	11.57	16.90	22.47	22.47	6 / 2			
reaction time		interval		5.18	5.33	5.57		# of strides	11.57	10.90	0.67
wind	0.3 m/s	velocity	7.82	9.65	9.38	8.98	8.90		8.64	9.17	
Whitney, Kaylin (USA) (1998)											
FINAL - 2015 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Track Newsletter (2015) - USATF women's championships											
date	28-Jun-14	time		11.4		22.5	22.47	/ 4			
reaction time		interval				11.10	WYR PB	# of strides	11.40	11.10	0.30
wind	0.4 m/s	velocity		8.77		9.01	8.90		8.77	9.01	
Thomas, Gabrielle (USA) (1996)											
FINAL - 2022 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Track Newsletter (2022) - USATF championships women											
date	26-Jun-22	time	6.34	11.48	16.74	22.47	22.47	/ 8			
reaction time		interval		5.14	5.26	5.73		# of strides	11.48	10.99	0.49
wind	-0.3 m/s	velocity	7.89	9.73	9.51	8.73	8.90		8.71	9.10	
Rosa, Vitoria Cristina (BRA) (1996)											
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Timing by Seiko (2022) - world athletics championships race analysis											
date	19-Jul-22	time		11.63		22.47	22.47	7 / 4			
reaction time	0.155	interval				10.84	NR PB	# of strides	11.63	10.84	0.79
wind	1.4 m/s	velocity		8.60		9.23	8.90	94.5	8.60	9.23	
Prandini, Jenna (USA) (1992)											
FINAL - 2023 Memorial van Damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2023) - diamond league race analysis											
date	08-Sep-23	time	6.35	11.34	16.67	22.47	22.47	4 / 3			
reaction time	0.203	interval		4.99	5.33	5.80		# of strides	11.34	11.13	0.21
wind	0.2 m/s	velocity	7.87	10.02	9.38	8.62	8.90	96.0	8.82	8.98	
Privalova, Irina (RUS) (1968)											
FINAL - 1991 European Cup (Frankfurt, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Federle (2003) - http://www.fgs.uni-halle.de											
date	30-Jun-91	time		11.50		22.48	22.48	/ 1			
reaction time		interval				10.98		# of strides	11.50	10.98	0.52

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified
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wind	-3.4 m/s	velocity	8.70	9.11	8.90	8.70	9.11				
Solomon, Shalonda (USA) (1985)											
Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.34	11.56	16.76	22.48	22.48	4 / 3			
reaction time		interval		5.22	5.20	5.72		# of strides	11.56	10.92	0.64
wind	0.0 m/s	velocity	7.89	9.58	9.62	8.74	8.90		8.65	9.16	
Lee, Muna (USA) (1981)											
FINAL - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	21-Aug-09	time	6.29	11.25	16.61	22.48	22.48	3 / 4			
reaction time	0.174	interval		4.96	5.36	5.87		# of strides	11.25	11.23	0.02
wind	-0.1 m/s	velocity	7.95	10.08	9.33	8.52	8.90	94.5	8.89	8.90	
Bryant, Dezerea (USA) (1993)											
FINAL - 2015 USATF National Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2015) - USATF women's championships</i>											
date	28-Jun-14	time		11.4		22.5	22.48	/ 5			
reaction time		interval				11.10		# of strides	11.40	11.10	0.30
wind	0.4 m/s	velocity		8.77		9.01	8.90		8.77	9.01	
Fraser-Price, Shelly-Ann (JAM) (1986)											
FINAL - 2021 Herculis Meeting International d'Athletisme (Monaco, MON)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2021) - diamond league race analysis</i>											
date	09-Jul-21	time	6.1	11.2	16.5	22.48	22.48	6 / 3			
reaction time	0.140	interval		5.10	5.30	5.98		# of strides	11.20	11.28	-0.08
wind	0.7 m/s	velocity	8.20	9.80	9.43	8.36	8.90	99.7	8.93	8.87	
Miller-Uibo, Shaunae (BAH) (1994)											
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	09-Jun-22	time	6.40	11.53	16.81	22.48	22.48	7 / 4			
reaction time	0.142	interval		5.13	5.28	5.67		# of strides	11.53	10.95	0.58
wind	1.3 m/s	velocity	7.81	9.75	9.47	8.82	8.90	89.7	8.67	9.13	
Strachan, Anthonique (BAH) (1993)											
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	18-Sep-25	time		11.30		22.48	22.48	6 / 4			
reaction time	0.164	interval				11.18		# of strides	11.30	11.18	0.12
wind	-0.1 m/s	velocity		8.85		8.94	8.90	86.5	8.85	8.94	
Long, McKenzie (USA) (2000)											
Semi-Final 3 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	18-Sep-25	time		11.34		22.48	22.48	8 / 3			
reaction time	0.185	interval				11.14		# of strides	11.34	11.14	0.20
wind	-0.3 m/s	velocity		8.82		8.98	8.90	101.0	8.82	8.98	
Morehead, Brenda (USA) (1957)											
FINAL - 1976 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hymans (2008) - history of the US olympic trials - track and field</i>											
date	24-Jun-76	time		11.4		22.5	22.49	/ 1			
reaction time		interval				11.1		# of strides	11.40	11.10	0.30
wind	2.3 m/s	velocity		8.77		9.01	8.89		8.77	9.01	
Schippers, Dafne (NED) (1992)											
Semi-Final 1 - 2017 IAAF World Championships (London, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>											
date	10-Aug-17	time	6.26	11.25	16.58	22.49	22.49	5 / 1			
reaction time	0.155	interval		4.99	5.33	5.91		# of strides	11.25	11.24	0.01
wind	-0.2 m/s	velocity	7.99	10.02	9.38	8.46	8.89	93.1	8.89	8.90	
Miller-Uibo, Shaunae (BAH) (1994)											
Semi-Final 2 - 2017 IAAF World Championships (London, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>											
date	10-Aug-17	time	6.39	11.47	16.74	22.49	22.49	7 / 1			
reaction time	0.147	interval		5.08	5.27	5.75		# of strides	11.47	11.02	0.45
wind	-0.2 m/s	velocity	7.82	9.84	9.49	8.70	8.89	89.5	8.72	9.07	
Nwokocha, Grace (NGR) (2001)											
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	19-Jul-22	time		11.48		22.49	22.49	8 / 5			
reaction time	0.170	interval				11.01		# of strides	11.48	11.01	0.47

wind	1.4 m/s	velocity	8.71	9.08	8.89	95.5	8.71	9.08			
Davis, Kevona (JAM) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time	11.42			22.49	22.49	3 / 2			
reaction time	0.152	interval				11.07		# of strides	11.42	11.07	0.35
wind	-1.3 m/s	velocity	8.76			9.03	8.89	91.2	8.76	9.03	
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Prefontaine Classic (Eugene, OR)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	17-Sep-23	time	6.22	11.32	16.60	22.49	22.49	6 / 6			
reaction time	0.140	interval		5.10	5.28	5.89		# of strides	11.32	11.17	0.15
wind	0.3 m/s	velocity	8.04	9.80	9.47	8.49	8.89	92.0	8.83	8.95	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	27-Jun-24	time	6.34	11.52	16.94	22.49	22.49	4 / 1			
reaction time		interval		5.18	5.42	5.55		# of strides	11.52	10.97	0.55
wind	0.8 m/s	velocity	7.89	9.65	9.23	9.01	8.89	103.0	8.68	9.12	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Meeting de Paris (Paris, FRA)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	20-Jun-25	time	6.27	11.35	16.68	22.49	22.49	7 / 3			
reaction time	0.159	interval		5.08	5.33	5.81		# of strides	11.35	11.14	0.21
wind	0.9 m/s	velocity	7.97	9.84	9.38	8.61	8.89	100.2	8.81	8.98	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Weltklasse (Zürich, SUI)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	28-Aug-25	time	6.34	11.35	16.64	22.49	22.49	6 / 4			
reaction time	0.175	interval		5.01	5.29	5.85		# of strides	11.35	11.14	0.21
wind	-0.4 m/s	velocity	7.89	9.98	9.45	8.55	8.89		8.81	8.98	
Voronova-Pomoshnikova, Natalya (UI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			<i>Verney - 200m women from PJ</i>								
date	19-Aug-93	time	6.41	11.48	16.82	22.50	22.50	8 / 6			
reaction time	0.262	interval		5.07	5.34	5.68		# of strides	11.48	11.02	0.46
wind	0.0 m/s	velocity	7.80	9.86	9.36	8.80	8.89	95.2	8.71	9.07	
Leshchova, Yekaterina (RUS) (1974)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 IAAF World Championships (Athens, GRE)			<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics</i>								
date	08-Aug-97	time	6.21	11.31	16.71	22.35	22.50	7 / 4			
reaction time	0.149	interval		5.10	5.40	5.64		# of strides	11.31	11.04	0.27
wind	-0.7 m/s	velocity	8.05	9.80	9.26	8.87	8.89	94.2	8.84	9.06	
Richards, Sanya (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	13-Sep-08	time	6.36	11.48	16.83	22.50	22.50	3 / 1			
reaction time	0.156	interval		5.12	5.35	5.67		# of strides	11.48	11.02	0.46
wind	0.1 m/s	velocity	7.86	9.77	9.35	8.82	8.89		8.71	9.07	
Madison, Tianna (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 USA Olympic Trials (Eugene, OR)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	30-Jun-12	time		11.3		22.50	22.50	5 / 6			
reaction time	0.207	interval				11.20		# of strides	11.30	11.20	0.10
wind	1.0 m/s	velocity		8.85		8.93	8.89	94.5	8.85	8.93	
Simpson, Sherone (JAM) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 IAAF World Championships (Beijing, CHN)			<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>								
date	28-Aug-15	time		11.4		22.5	22.50	9 / 8			
reaction time	0.148	interval				11.10		# of strides	11.40	11.10	0.30
wind	0.2 m/s	velocity		8.77		9.01	8.89		8.77	9.01	
Ta Lou, Marie Josée (CIV) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2017 IAAF World Championships (London, GBR)			<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
date	10-Aug-17	time	6.23	11.26	16.60	22.50	22.50	5 / 1			
reaction time	0.198	interval		5.03	5.34	5.90		# of strides	11.26	11.24	0.02

wind	-0.2 m/s	velocity	8.03	9.94	9.36	8.47	8.89	99.3	8.88	8.90	
Williams, Briana (JAM) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)			<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>								
date	14-Jul-18	time	6.36	11.47	16.72	22.50	22.50	3 / 1			
reaction time	0.191	interval		5.11	5.25	5.78	CR NJR	# of strides	11.47	11.03	0.44
wind	-0.1 m/s	velocity	7.86	9.78	9.52	8.65	8.89		8.72	9.07	
Fraser-Price, Shelly-Ann (JAM) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)			<i>Omega Timing (2019) - diamond league race analysis</i>								
date	18-Aug-19	time	6.4	11.5	16.8	22.50	22.50	4 / 3			
reaction time	0.164	interval		5.1	5.3	5.70		# of strides	11.50	11.00	0.50
wind	0.4 m/s	velocity	7.81	9.80	9.43	8.77	8.89	101.5	8.70	9.09	
Masilingi, Beatrice (NAM) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Memorial van Damme (Brussels, BEL)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	03-Sep-21	time	6.4	11.5	16.9	22.50	22.50	7 / 5			
reaction time	0.194	interval		5.10	5.40	5.60		# of strides	11.50	11.00	0.50
wind	0.4 m/s	velocity	7.81	9.80	9.26	8.93	8.89	92.0	8.70	9.09	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Bauhaus Galan (Stockholm, SWE)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	02-Jul-23	time	6.32	11.37	16.65	22.50	22.50	7 / 1			
reaction time	0.175	interval		5.05	5.28	5.85		# of strides	11.37	11.13	0.24
wind	-0.6 m/s	velocity	7.91	9.90	9.47	8.55	8.89	93.0	8.80	8.98	
Mays, Jadyn (USA) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	27-Jun-24	time	6.27	11.40	16.82	22.50	22.50	5 / 2			
reaction time		interval		5.13	5.42	5.68		# of strides	11.40	11.10	0.30
wind	0.1 m/s	velocity	7.97	9.75	9.23	8.80	8.89	98.2	8.77	9.01	
Carter, Jassani (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	28-Jun-24	time	6.46	11.68	16.93	22.50	22.50	9 / 4			
reaction time		interval		5.22	5.25	5.57		# of strides	11.68	10.82	0.86
wind	1.4 m/s	velocity	7.74	9.58	9.52	8.98	8.89	96.0	8.56	9.24	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time		11.45		22.50	22.50	3 / 1			
reaction time	0.265	interval				11.05		# of strides	11.45	11.05	0.40
wind	0.1 m/s	velocity		8.73		9.05	8.89	96.7	8.73	9.05	
Solomon, Shalonda (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.34	11.54	16.80	22.51	22.51	7 / 1			
reaction time		interval		5.20	5.26	5.71		# of strides	11.54	10.97	0.57
wind	2.0 m/s	velocity	7.89	9.62	9.51	8.76	8.88		8.67	9.12	
Hooker, Marshevet (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.28	11.31	16.65	22.51	22.51	8 / 1			
reaction time	0.181	interval		5.03	5.34	5.86		# of strides	11.31	11.20	0.11
wind	0.3 m/s	velocity	7.96	9.94	9.36	8.53	8.88	92.2	8.84	8.93	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 IAAF World Championships (Doha, QAT)			<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>								
date	02-Oct-19	time	6.26	11.38	16.71	22.51	22.51	4 / 3			
reaction time	0.150	interval		5.12	5.33	5.80		# of strides	11.38	11.13	0.25
wind	0.9 m/s	velocity	7.99	9.77	9.38	8.62	8.88	100.0	8.79	8.98	
Ofili, Favour (NGR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Commonwealth Games (Birmingham, GBR)			<i>Longines Timing (2022) - commonwealth games race analysis</i>								
date	06-Aug-22	time	6.2	11.4	16.7	22.51	22.51	6 / 2			
reaction time	0.161	interval		5.20	5.30	5.81		# of strides	11.40	11.11	0.29

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DV=Drug Violation

wind	0.6 m/s	velocity	8.06	9.62	9.43	8.61	8.88	94.2	8.77	9.00	
Klaver, Lieke (NED) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 FBK Games (Hengelo, NED)			<i>Omega Timing (2023) - continental tour race analysis</i>								
date	04-Jun-23	time	6.45	11.60	16.90	22.51	22.51	5 / 2			
reaction time	0.197	interval		5.15	5.30	5.61	PB	# of strides	11.60	10.91	0.69
wind	1.4 m/s	velocity	7.75	9.71	9.43	8.91	8.88	92.0	8.62	9.17	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.41		22.51	22.51	4 / 1			
reaction time	0.191	interval				11.10		# of strides	11.41	11.10	0.31
wind	-0.4 m/s	velocity		8.76		9.01	8.88	94.5	8.76	9.01	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	30-Aug-24	time	6.42	11.55	16.90	22.51	22.51	3 / 4			
reaction time	0.165	interval		5.13	5.35	5.61		# of strides	11.55	10.96	0.59
wind	0.4 m/s	velocity	7.79	9.75	9.35	8.91	8.88	92.0	8.66	9.12	
Stevens, Deajah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 USATF Championships (Eugene, OR)			<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>								
date	03-Aug-25	time	6.39	11.46	16.78	22.51	22.51	9 / ~~6~~			
reaction time		interval		5.07	5.32	5.73	DQ	# of strides	11.46	11.05	0.41
wind	0.5 m/s	velocity	7.82	9.86	9.40	8.73	8.88	91.0	8.73	9.05	
Moore, Ashanti (JAM) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	18-Sep-25	time		11.37		22.51	22.51	4 / 3			
reaction time	0.136	interval				11.14		# of strides	11.37	11.14	0.23
wind	0.1 m/s	velocity		8.80		8.98	8.88	90.5	8.80	8.98	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time		11.41		22.51	22.51	7 / 1			
reaction time	0.174	interval				11.10		# of strides	11.41	11.10	0.31
wind	-0.2 m/s	velocity		8.76		9.01	8.88	95.5	8.76	9.01	
Onyali, Mary (NGR) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1987 IAAF World Championships (Rome, ITA)			<i>Veney - 200m women from PJ</i>								
date	03-Sep-87	time		11.67	16.90	22.52	22.52	6 / 6			
reaction time		interval			5.23	5.62	PB	# of strides	11.67	10.85	0.82
wind	1.2 m/s	velocity		8.57	9.56	8.90	8.88		8.57	9.22	
Kasprzyk, Ewa (POL) (1957)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1987 IAAF World Championships (Rome, ITA)			<i>Veney - 200m women from PJ</i>								
date	03-Sep-87	time		11.68	16.92	22.52	22.52	2 / 7			
reaction time		interval			5.24	5.60		# of strides	11.68	10.84	0.84
wind	1.2 m/s	velocity		8.56	9.54	8.93	8.88	101.2	8.56	9.23	
Miller, Inger (USA) (1972)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 IAAF World Championships (Athens, GRE)			<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics</i>								
date	08-Aug-97	time	6.08	11.12	16.48	22.38	22.52	6 / 5			
reaction time	0.142	interval		5.04	5.36	5.90		# of strides	11.12	11.26	-0.14
wind	-0.7 m/s	velocity	8.22	9.92	9.33	8.47	8.88	97.2	8.99	8.88	
Ferguson, Debbie (BAH) (1976)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2001 IAAF World Championships (Edmonton, CAN)			<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>								
date	10-Aug-01	time		11.1		22.52	22.52	4 / ~~2~~ 1			
reaction time	0.176	interval				11.4		# of strides	11.10	11.42	-0.32
wind	-0.8 m/s	velocity		9.01		8.76	8.88	96.0	9.01	8.76	
Akinsun, Morolake (USA) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 NCAA Championships (Eugene, OR)			<i>Track Newsletter (2015) - NCAA women's championships</i>								
date	13-Jun-15	time		11.7		22.5	22.52	7 / 5			
reaction time		interval				10.80	PB	# of strides	11.70	10.80	0.90

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wind	1.9 m/s	velocity	8.55	9.26	8.88	8.55	9.26				
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	28-May-23	time	6.26	11.43	16.76	22.52	22.52	7 / 4			
reaction time	0.158	interval		5.17	5.33	5.76		# of strides	11.43	11.09	0.34
wind	0.8 m/s	velocity	7.99	9.67	9.38	8.68	8.88	93.0	8.75	9.02	
Whyte, Natalliah (JAM) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		11.33		22.52	22.52	7 / 3			
reaction time	0.154	interval				11.19		# of strides	11.33	11.19	0.14
wind	-0.1 m/s	velocity		8.83		8.94	8.88	97.0	8.83	8.94	
Adeleke, Rhasidat (IRL) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 London Athletics Meet (London, GBR)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	19-Jul-25	time	6.22	11.30	16.67	22.52	22.52	8 / 4			
reaction time	0.130	interval		5.08	5.37	5.85		# of strides	11.30	11.22	0.08
wind	-0.6 m/s	velocity	8.04	9.84	9.31	8.55	8.88	92.0	8.85	8.91	
Göhr, Marlies (GDR) (1958)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1978 European Championships (Prague, TCH)			<i>Lamare (1978) - championnats d'Europe 1978</i>								
date	01-Sep-78	time		11.49		22.53	22.53	3 / 2			
reaction time	0.208	interval				11.04		# of strides	11.49	11.04	0.45
wind	-0.2 m/s	velocity		8.70		9.06	8.88	109.5	8.70	9.06	
Torrence, Gwen (USA) (1965)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	29-Sep-88	time	6.58	11.66	16.94	22.53	22.53	6 / 3			
reaction time	0.264	interval		5.08	5.28	5.59		# of strides	11.66	10.87	0.79
wind	1.8 m/s	velocity	7.60	9.84	9.47	8.94	8.88		8.58	9.20	
Malchugina, Galina (URS) (1962)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	29-Sep-88	time	6.37	11.41	16.74	22.55	22.53	7 / 4			
reaction time	0.200	interval		5.04	5.33	5.81		# of strides	11.41	11.14	0.27
wind	1.8 m/s	velocity	7.85	9.92	9.38	8.61	8.88		8.76	8.98	
Malchugina, Galina (RUS) (1962)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			<i>Veney - 200m women from PJ</i>								
date	19-Aug-93	time	6.33	11.33	16.65	22.50	22.53	7 / 4			
reaction time	0.249	interval		5.00	5.32	5.85		# of strides	11.33	11.17	0.16
wind	0.0 m/s	velocity	7.90	10.00	9.40	8.55	8.88	99.2	8.83	8.95	
Hewitt, Lauren (AUS) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1999 IAAF World Championships (Sevilla, ESP)			<i>Ferro (2001) - biomechanical analysis of the 7th world championships in athletics seville 1999</i>								
date	27-Aug-99	time	6.28	11.42	16.80	22.53	22.53	1 / 7			
reaction time	0.132	interval		5.14	5.38	5.73	PB	# of strides	11.42	11.11	0.31
wind	0.6 m/s	velocity	7.96	9.73	9.29	8.73	8.88		8.76	9.00	
Freeman, Cathy (AUS) (1973)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 Olympic Games (Sydney, AUS)			<i>Veney - 200m women from PJ</i>								
date	28-Sep-00	time		11.68	16.96	22.53	22.53	2 / ~~Z~~ 6			
reaction time	0.235	interval			5.28	5.57		# of strides	11.68	10.85	0.83
wind	0.7 m/s	velocity		8.56	9.47	8.98	8.88	91.7	8.56	9.22	
Gevaert, Kim (BEL) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	09-Aug-02	time	6.37	11.51	16.82	22.53	22.53	3 / 2			
reaction time	0.152	interval		5.14	5.31	5.71		# of strides	11.51	11.02	0.49
wind	-0.3 m/s	velocity	7.85	9.73	9.42	8.76	8.88		8.69	9.07	
Knight, Bianca (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	05-Jul-08	time	6.32	11.48	16.72	22.53	22.53	5 / 1			
reaction time		interval		5.16	5.24	5.81		# of strides	11.48	11.05	0.43

wind	-0.1 m/s	velocity	7.91	9.69	9.54	8.61	8.88		8.71	9.05	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	10-Jul-16	time		11.3		22.5	22.53	6 / 3			
reaction time	0.187	interval				11.20		# of strides	11.30	11.20	0.10
wind	-0.6 m/s	velocity		8.85		8.93	8.88	96.2	8.85	8.93	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	30-Aug-24	time	6.27	11.37	16.71	22.53	22.53	4 / 5			
reaction time	0.164	interval		5.10	5.34	5.82		# of strides	11.37	11.16	0.21
wind	0.4 m/s	velocity	7.97	9.80	9.36	8.59	8.88	100.0	8.80	8.96	
Naser, Salwa Eid (BRN) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.59	11.75	16.93	22.53	22.53	4 / 2			
reaction time	0.210	interval		5.16	5.18	5.60		# of strides	11.75	10.78	0.97
wind	1.0 m/s	velocity	7.59	9.69	9.65	8.93	8.88	93.0	8.51	9.28	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Golden Gala Pietro Mennea (Roma, ITA)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	06-Jun-25	time	6.31	11.34	16.63	22.53	22.53	6 / 1			
reaction time	0.155	interval		5.03	5.29	5.90		# of strides	11.34	11.19	0.15
wind	0.8 m/s	velocity	7.92	9.94	9.45	8.47	8.88	95.0	8.82	8.94	
Junk, Sophia (GER) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>								
date	29-Jun-25	time	6.29	11.40	16.68	22.53	22.53	5 / 3			
reaction time	0.152	interval		5.11	5.28	5.85	PB	# of strides	11.40	11.13	0.27
wind	0.8 m/s	velocity	7.95	9.78	9.47	8.55	8.88	99.2	8.77	8.98	
Gladisch-Möller, Silke (GDR) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 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	6.37	11.40	16.73	22.54	22.54	6 / 2			
reaction time	0.263	interval		5.03	5.33	5.81		# of strides	11.40	11.14	0.26
wind	-1.0 m/s	velocity	7.85	9.94	9.38	8.61	8.87	99.0	8.77	8.98	
Sturup, Chandra (BAH) (1971)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 Olympic Games (Atlanta, GA)			<i>Veney - 200m women from PJ</i>								
date	01-Aug-96	time		11.32	16.68	22.54	22.54	8 / 6			
reaction time	0.165	interval			5.36	5.86		# of strides	11.32	11.22	0.10
wind	0.3 m/s	velocity		8.83	9.33	8.53	8.87	102.0	8.83	8.91	
Solomon, Shalonda (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 USATF National Championships (Sacramento, CA)			<i>Track Newsletter (2014) - USATF women's championships</i>								
date	29-Jun-14	time		11.6		22.5	22.54	/ 4			
reaction time	0.164	interval				10.90		# of strides	11.60	10.90	0.70
wind	3.8 m/s	velocity		8.62		9.17	8.87		8.62	9.17	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	10-Jul-16	time		11.5		22.6	22.54	5 / 4			
reaction time	0.187	interval				11.10		# of strides	11.50	11.10	0.40
wind	-0.6 m/s	velocity		8.70		9.01	8.87	93.0	8.70	9.01	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	21-Jul-23	time	6.44	11.50	16.81	22.54	22.54	1 / 5			
reaction time	0.218	interval		5.06	5.31	5.73		# of strides	11.50	11.04	0.46
wind	0.2 m/s	velocity	7.76	9.88	9.42	8.73	8.87		8.70	9.06	
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	21-Jul-23	time	6.24	11.35	16.72	22.54	22.54	3 / 5			
reaction time	0.153	interval		5.11	5.37	5.82		# of strides	11.35	11.19	0.16

wind	0.2 m/s	velocity	8.01	9.78	9.31	8.59	8.87		8.81	8.94	
Burgher, Niesha (JAM) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.47	11.55	16.82	22.54	22.54	6 / 2			
reaction time	0.161	interval		5.08	5.27	5.72		# of strides	11.55	10.99	0.56
wind	0.0 m/s	velocity	7.73	9.84	9.49	8.74	8.87	98.0	8.66	9.10	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	19-Sep-25	time		11.30		22.54	22.54	3 / 6			
reaction time	0.203	interval				11.24		# of strides	11.30	11.24	0.06
wind	-0.1 m/s	velocity		8.85		8.90	8.87	96.2	8.85	8.90	
Georgieva, Nadezhda (BUL) (1961)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1987 IAAF World Championships (Rome, ITA)			Veney - 200m women from PJ								
date	03-Sep-87	time		11.68	16.91	22.55	22.55	7 / 8			
reaction time		interval			5.23	5.64		# of strides	11.68	10.87	0.81
wind	1.2 m/s	velocity		8.56	9.56	8.87	8.87		8.56	9.20	
Mondie-Milner, Celena (USA) (1968)			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		11.62	16.93	22.55	22.55	7 / 6			
reaction time		interval			5.31	5.62		# of strides	11.62	10.93	0.69
wind	-0.6 m/s	velocity		8.61	9.42	8.90	8.87		8.61	9.15	
Edwards, Torri (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 USATF National Championships (Indianapolis, IN)			Track Newsletter (2005) - World championships- women								
date	24-Jun-07	time		11.5		22.6	22.55	6 / 3			
reaction time		interval				11.10		# of strides	11.50	11.10	0.40
wind	0.4 m/s	velocity		8.70		9.01	8.87	97.0	8.70	9.01	
Hooker, Marshevet (USA) (1984)			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	6.44	11.61	16.81	22.55	22.55	4 / 2			
reaction time		interval		5.17	5.20	5.74		# of strides	11.61	10.94	0.67
wind	-0.1 m/s	velocity	7.76	9.67	9.62	8.71	8.87		8.61	9.14	
McLaughlin, Anneisha (JAM) (1986)			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	20-Aug-09	time	6.38	11.39	16.69	22.55	22.55	6 / 2			
reaction time	0.156	interval		5.01	5.30	5.86	PB	# of strides	11.39	11.16	0.23
wind	0.3 m/s	velocity	7.84	9.98	9.43	8.53	8.87	95.2	8.78	8.96	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 Great CityGames (Manchester, GBR) (200m straightaway)			Jalava (2010) - www.tilastopaja.org								
date	16-May-10	time		11.31	16.68	22.55	22.55	2 / 1			
reaction time		interval			5.37	5.87		# of strides	11.31	11.24	0.07
wind	0.2 m/s	velocity		8.84	9.31	8.52	8.87		8.84	8.90	
Lalova-Collio, Ivet (BUL) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			Hirokawa (2019) - research on athlete performance and technique- 2019 data book								
date	19-May-19	time	6.32	11.38	16.72	22.55	22.55	8 / 1			
reaction time	0.165	interval		5.06	5.34	5.83		# of strides	11.38	11.17	0.21
wind	0.5 m/s	velocity	7.91	9.88	9.36	8.58	8.87	97.2	8.79	8.95	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	21-Jul-22	time		11.31		22.55	22.55	1 / 8			
reaction time	0.113	interval				11.24		# of strides	11.31	11.24	0.07
wind	0.6 m/s	velocity		8.84		8.90	8.87	103.0	8.84	8.90	
Koné, Maboundou (CIV) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2023 World Athletics Championships (Budapest, HUN)			Seiko Timing (2023) - world championship race analysis								
date	23-Aug-23	time		11.60		22.55	22.55	9 / 2			
reaction time	0.182	interval				10.95		# of strides	11.60	10.95	0.65

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DV=Drug Violation

wind	-0.3 m/s	velocity	8.62	9.13	8.87	98.0	8.62	9.13			
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.42	11.49	16.79	22.55	22.55	9 / 1			
reaction time	0.212	interval		5.07	5.30	5.76		# of strides	11.49	11.06	0.43
wind	0.0 m/s	velocity	7.79	9.86	9.43	8.68	8.87	102.0	8.70	9.04	
Parisot, Helene (FRA) (1992)			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	05-Aug-24	time	6.32	11.38	16.76	22.55	22.55	5 / 3			
reaction time	0.177	interval		5.06	5.38	5.79	PB	# of strides	11.38	11.17	0.21
wind	0.2 m/s	velocity	7.91	9.88	9.29	8.64	8.87	100.5	8.79	8.95	
Whyte, Madison (USA) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.33	11.37	16.67	22.55	22.55	8 / 3			
reaction time		interval		5.04	5.30	5.88		# of strides	11.37	11.18	0.19
wind	0.1 m/s	velocity	7.90	9.92	9.43	8.50	8.87	88.7	8.80	8.94	
Griffith-Joyner, Florence (USA) (1959)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 1987 IAAF World Championships (Rome, ITA)			Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)								
date	01-Sep-87	time	6.37	11.49	16.84	22.56	22.56	4 / 1			
reaction time	0.229	interval		5.12	5.35	5.72		# of strides	11.49	11.07	0.42
wind	-0.6 m/s	velocity	7.85	9.77	9.35	8.74	8.87	95.0	8.70	9.03	
White, Kelli (USA) (1977)			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	10-Aug-01	time		11.2		22.56	22.56	3 / 3			
reaction time	0.147	interval				11.4	DV	# of strides	11.20	11.36	-0.16
wind	-0.8 m/s	velocity		8.93		8.80	8.87	100.0	8.93	8.80	
Jefferson, Kyra (USA) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 USATF National Championships (Eugene, OR)			Track Newsletter (2015) - USATF women's championships								
date	28-Jun-14	time		11.5		22.6	22.56	/ 5			
reaction time		interval				11.10		# of strides	11.50	11.10	0.40
wind	0.4 m/s	velocity		8.70		9.01	8.87		8.70	9.01	
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 FBK Games (Hengelo, NED)			Omega Timing (2023) - continental tour race analysis								
date	04-Jun-23	time	6.24	11.38	16.77	22.56	22.56	4 / 3			
reaction time	0.144	interval		5.14	5.39	5.79		# of strides	11.38	11.18	0.20
wind	1.4 m/s	velocity	8.01	9.73	9.28	8.64	8.87	93.5	8.79	8.94	
Suarez, Gabriela Anahi (ECU) (2001)			50m	100m	150m	200m	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		11.57		22.56	22.56	2 / 2			
reaction time	0.129	interval				10.99		# of strides	11.57	10.99	0.58
wind	2.5 m/s	velocity		8.64		9.10	8.87	99.0	8.64	9.10	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	18-Jul-22	time		11.45		22.56	22.56	2 / 2			
reaction time	0.129	interval				11.11		# of strides	11.45	11.11	0.34
wind	0.4 m/s	velocity		8.73		9.00	8.87	94.0	8.73	9.00	
Richardson, Sha'Carri (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.24	11.31	16.62	22.56	22.56	7 / 4			
reaction time		interval		5.07	5.31	5.94		# of strides	11.31	11.25	0.06
wind	0.1 m/s	velocity	8.01	9.86	9.42	8.42	8.87	98.0	8.84	8.89	
Whyte, Madison (USA) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.45	11.57	16.87	22.56	22.56	1 / 6			
reaction time		interval		5.12	5.30	5.69		# of strides	11.57	10.99	0.58

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DV=Drug Violation

wind	0.5 m/s	velocity	7.75	9.77	9.43	8.79	8.87	89.0	8.64	9.10	
Lewis, Torrie (AUS) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.30		22.56	22.56	8 / 2			
reaction time	0.146	interval				11.26		# of strides	11.30	11.26	0.04
wind	0.0 m/s	velocity		8.85		8.88	8.87	95.0	8.85	8.88	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	18-Sep-25	time		11.39		22.56	22.56	4 / 5			
reaction time	0.127	interval				11.17		# of strides	11.39	11.17	0.22
wind	-0.1 m/s	velocity		8.78		8.95	8.87	94.0	8.78	8.95	
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1984 Olympic Games (Los Angeles, CA)			Gleason (1984) - 200 meters, Brisco-Hooks gets gold, record								
date	09-Aug-84	time		11.64		22.57	22.57	1 / 2			
reaction time		interval				10.93		# of strides	11.64	10.93	0.71
wind	1.0 m/s	velocity		8.59		9.15	8.86	93.0	8.59	9.15	
Guidry, Carlette (USA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 USATF National Championships (Sacramento, CA)			USATF Women's Sprint Development (1995)								
date	18-Jun-95	time		6.25	11.40	16.74	22.57	22.57	3 / 2		
reaction time		interval			5.15	5.34	5.83	# of strides	11.40	11.17	0.23
wind	2.3 m/s	velocity		8.00	9.71	9.36	8.58	8.86	92.0	8.77	8.95
Lalova, Ivet (BUL) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	25-Aug-04	time		11.4		22.6	22.57	2 / 5			
reaction time		interval				11.2		# of strides	11.40	11.20	0.20
wind	0.8 m/s	velocity		8.77		8.93	8.86	98.2	8.77	8.93	
Ahoure, Murielle (CIV) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Olympic Games (London, GBR)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	08-Aug-12	time		11.27		22.57	22.57	8 / 6			
reaction time	0.161	interval				11.30		# of strides	11.27	11.30	-0.03
wind	-0.2 m/s	velocity		8.87		8.85	8.86	98.7	8.87	8.85	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting de Paris (Paris, FRA)			Omega Timing (2023) - diamond league race analysis								
date	09-Jun-23	time		6.10	11.24	16.63	22.57	22.57	5 / 4		
reaction time	0.139	interval			5.14	5.39	5.94	# of strides	11.24	11.33	-0.09
wind	-0.4 m/s	velocity		8.20	9.73	9.28	8.42	8.86	96.2	8.90	8.83
Pereira, Shanti Veronica (SGP) (1996)			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		11.64		22.57	22.57	8 / 2			
reaction time	0.187	interval				10.93	NR PB	# of strides	11.64	10.93	0.71
wind	-0.4 m/s	velocity		8.59		9.15	8.86	97.0	8.59	9.15	
Terry, Twanisha (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Weltklasse (Zürich, SUI)			Omega Timing (2023) - diamond league race analysis								
date	31-Aug-23	time		6.23	11.24	16.63	22.57	22.57	3 / 5		
reaction time	0.137	interval			5.01	5.39	5.94	# of strides	11.24	11.33	-0.09
wind	-0.8 m/s	velocity		8.03	9.98	9.28	8.42	8.86	101.0	8.90	8.83
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time		6.38	11.48	16.82	22.57	22.57	3 / 3		
reaction time		interval			5.10	5.34	5.75	# of strides	11.48	11.09	0.39
wind	0.1 m/s	velocity		7.84	9.80	9.36	8.70	8.86	96.0	8.71	9.02
Moore, Ashanti (JAM) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.46		22.57	22.57	3 / 2			
reaction time	0.139	interval				11.11		# of strides	11.46	11.11	0.35

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DV=Drug Violation

wind	-0.2 m/s	velocity	8.73	9.00	8.86	87.0	8.73	9.00	
Strachan, Anthonique (BAH) (1993)									
Heat 4	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time		11.56		22.57	22.57	4 / 2	
reaction time	0.162	interval				11.01		# of strides	11.56 11.01 0.55
wind	0.1 m/s	velocity		8.65		9.08	8.86	87.0	8.65 9.08
Hunt, Amy (GBR) (2002)									
Heat 5	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time		11.42		22.57	22.57	5 / 2	
reaction time	0.170	interval				11.15		# of strides	11.42 11.15 0.27
wind	0.0 m/s	velocity		8.76		8.97	8.86	91.0	8.76 8.97
Jackson, Grace (JAM) (1961)									
FINAL	- 1992 Olympic Games (Barcelona, ESP)		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	06-Aug-92	time		11.6		22.6	22.58	8 / 6	
reaction time		interval				11.00		# of strides	11.60 11.00 0.60
wind	-0.6 m/s	velocity		8.62		9.09	8.86		8.62 9.09
Moore, LaShaunte'a (USA) (1983)									
FINAL	- 2007 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Track Newsletter (2005) - World championships- women</i>								
date	24-Jun-07	time		11.7		22.6	22.58	7 / 4	
reaction time		interval				10.90		# of strides	11.70 10.90 0.80
wind	0.4 m/s	velocity		8.55		9.17	8.86	94.2	8.55 9.17
Facey, Simone (JAM) (1985)									
Semi-Final 3	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	6.31	11.39	16.78	22.58	22.58	5 / 2	
reaction time	0.162	interval		5.08	5.39	5.80		# of strides	11.39 11.19 0.20
wind	0.5 m/s	velocity	7.92	9.84	9.28	8.62	8.86	96.5	8.78 8.94
Moore, LaShaunte'a (USA) (1983)									
FINAL	- 2011 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Track Newsletter (2011) - USATF women's championships</i>								
date	26-Jun-11	time		11.7		22.6	22.58	/ 6	
reaction time		interval				10.90		# of strides	11.70 10.90 0.80
wind	1.0 m/s	velocity		8.55		9.17	8.86		8.55 9.17
Kambundji, Mujinga (SUI) (1992)									
FINAL	- 2019 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>								
date	29-Aug-19	time	6.4	11.5	16.8	22.58	22.58	7 / 5	
reaction time	0.164	interval		5.1	5.3	5.78		# of strides	11.50 11.08 0.42
wind	-0.4 m/s	velocity	7.81	9.80	9.43	8.65	8.86	101.0	8.70 9.03
Ta Lou, Marie Josée (CIV) (1988)									
FINAL	- 2021 Golden Gala Pietro Mennea (Florence, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Omega Timing (2021) - diamond league race analysis</i>								
date	10-Jun-21	time	6.4	11.5	16.9	22.58	22.58	3 / 2	
reaction time	0.147	interval		5.10	5.40	5.68		# of strides	11.50 11.08 0.42
wind	0.2 m/s	velocity	7.81	9.80	9.26	8.80	8.86	99.0	8.70 9.03
Asher-Smith, Dina (GBR) (1995)									
FINAL	- 2023 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>								
date	02-Jul-23	time	6.14	11.25	16.62	22.58	22.58	4 / 2	
reaction time	0.158	interval		5.11	5.37	5.96		# of strides	11.25 11.33 -0.08
wind	-0.6 m/s	velocity	8.14	9.78	9.31	8.39	8.86	97.0	8.89 8.83
Bestué, Jaël (ESP) (2000)									
Heat 1	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.61		22.58	22.58	3 / 3	
reaction time	0.154	interval				10.97		# of strides	11.61 10.97 0.64
wind	-0.4 m/s	velocity		8.61		9.12	8.86	104.0	8.61 9.12
Prandini, Jenna (USA) (1992)									
Heat 3	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	27-Jun-24	time	6.05	11.15	16.48	22.58	22.58	8 / 2	
reaction time		interval		5.10	5.33	6.10		# of strides	11.15 11.43 -0.28

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wind	0.2 m/s	velocity	8.26	9.80	9.38	8.20	8.86	95.5	8.97	8.75	
Prandini, Jenna (USA) (1992)			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	6.37	11.40	16.80	22.58	22.58	4 / 7			
reaction time		interval		5.03	5.40	5.78		# of strides	11.40	11.18	0.22
wind	0.6 m/s	velocity	7.85	9.94	9.26	8.65	8.86	96.0	8.77	8.94	
Madogo, Jacqueline (CAN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 1 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	05-Aug-24	time	6.39	11.48	16.78	22.58	22.58	8 / 1			
reaction time	0.162	interval		5.09	5.30	5.80		# of strides	11.48	11.10	0.38
wind	0.6 m/s	velocity	7.82	9.82	9.43	8.62	8.86	94.0	8.71	9.01	
Williams, Bianca (GBR) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	05-Aug-24	time	6.34	11.45	16.81	22.58	22.58	9 / 4			
reaction time	0.167	interval		5.11	5.36	5.77		# of strides	11.45	11.13	0.32
wind	0.0 m/s	velocity	7.89	9.78	9.33	8.67	8.86	100.0	8.73	8.98	
Krabbe, Katrin (GDR) (1969)			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	29-Sep-88	time	6.33	11.51	16.89	22.59	22.59	4 / 6			
reaction time	0.194	interval		5.18	5.38	5.70		# of strides	11.51	11.08	0.43
wind	1.7 m/s	velocity	7.90	9.65	9.29	8.77	8.85	92.7	8.69	9.03	
Mondie-Milner, Celena (USA) (1968)			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	22-Jun-96	time		11.62	16.84	22.59	22.59	4 / 3			
reaction time		interval			5.22	5.75		# of strides	11.62	10.97	0.65
wind	-0.5 m/s	velocity		8.61	9.58	8.70	8.85		8.61	9.12	
Taplin, Cheryl (USA) (1972)			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		11.37	16.77	22.59	22.59	2 / 7			
reaction time		interval			5.40	5.82	PB	# of strides	11.37	11.22	0.15
wind	-0.6 m/s	velocity		8.80	9.26	8.59	8.85		8.80	8.91	
Felix, Allyson (USA) (1985)			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	6.54	11.79	17.01	22.59	22.59	4 / 3-2			
reaction time		interval		5.25	5.22	5.58		# of strides	11.79	10.80	0.99
wind	0.0 m/s	velocity	7.65	9.52	9.58	8.96	8.85		8.48	9.26	
Williams, Lauryn (USA) (1983)			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	6.34	11.53	16.76	22.59	22.59	3 / 3			
reaction time		interval		5.19	5.23	5.83		# of strides	11.53	11.06	0.47
wind	-0.1 m/s	velocity	7.89	9.63	9.56	8.58	8.85		8.67	9.04	
Duncan, Kimberlyn (USA) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 USATF National Championships (Sacramento, CA)			Track Newsletter (2017) - USATF championships women								
date	25-Jun-17	time		11.4		22.6	22.59	1 / 2			
reaction time		interval				11.20		# of strides	11.40	11.20	0.20
wind	-2.5 m/s	velocity		8.77		8.93	8.85		8.77	8.93	
Duncan, Kimberlyn (USA) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 IAAF World Championships (London, GBR)			Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m								
date	11-Aug-17	time		11.15	16.46	22.39	22.59	9 / 6			
reaction time	0.198	interval			5.31	5.93		# of strides	11.15	11.24	-0.09
wind	0.8 m/s	velocity		8.97	9.42	8.43	8.85	101.4	8.97	8.90	
Daniels, Teahna (USA) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)			Omega Timing (2019) - diamond league race analysis								
date	12-Jul-19	time	6.3	11.5	16.9	22.59	22.59	8 / 4			
reaction time	0.132	interval		5.2	5.4	5.69		# of strides	11.50	11.09	0.41

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DV=Drug Violation

wind	0.1 m/s	velocity	7.94	9.62	9.26	8.79	8.85	92.7	8.70	9.02	
Bestué, Jaël (ESP) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2023) - diamond league race analysis								
date	02-Jul-23	time	6.34	11.44	16.78	22.59	22.59	3 / 3			
reaction time	0.169	interval		5.10	5.34	5.81		# of strides	11.44	11.15	0.29
wind	-0.6 m/s	velocity	7.89	9.80	9.36	8.61	8.85	104.0	8.74	8.97	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Memorial van Damme (Brussels, BEL)			Omega Timing (2023) - diamond league race analysis								
date	08-Sep-23	time	6.35	11.37	16.71	22.59	22.59	7 / 4			
reaction time	0.155	interval		5.02	5.34	5.88		# of strides	11.37	11.22	0.15
wind	0.2 m/s	velocity	7.87	9.96	9.36	8.50	8.85	92.0	8.80	8.91	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 London Athletics Meet (London, GBR)			Omega Timing (2024) - diamond league race analysis								
date	20-Jul-24	time	6.36	11.48	16.79	22.59	22.59	3 / 6			
reaction time	0.173	interval		5.12	5.31	5.80		# of strides	11.48	11.11	0.37
wind	-0.9 m/s	velocity	7.86	9.77	9.42	8.62	8.85	100.0	8.71	9.00	
Davis, Tamari (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			Grand Slam Track (2025) - results and splits by race								
date	31-May-25	time	6.28	11.42	16.81	22.59	22.59	4 / 3			
reaction time	0.160	interval		5.14	5.39	5.78		# of strides	11.42	11.17	0.25
wind	1.1 m/s	velocity	7.96	9.73	9.28	8.65	8.85	92.0	8.76	8.95	
Klaver, Lieke (NED) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			European Athletics (2025) - 2025 euro team champs, 1st division - results book								
date	29-Jun-25	time	6.42	11.54	16.86	22.59	22.59	4 / 4			
reaction time	0.160	interval		5.12	5.32	5.73		# of strides	11.54	11.05	0.49
wind	0.8 m/s	velocity	7.79	9.77	9.40	8.73	8.85	91.0	8.67	9.05	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.41		22.59	22.59	5 / 3			
reaction time	0.170	interval				11.18		# of strides	11.41	11.18	0.23
wind	0.1 m/s	velocity		8.76		8.94	8.85	91.0	8.76	8.94	
Paschke, Melanie (GER) (1970)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)			Veney - 200m women from PJ								
date	25-Aug-95	time		11.43	16.71	22.60	22.60	7 / 5 4			
reaction time		interval			5.28	5.89		# of strides	11.43	11.17	0.26
wind	-2.2 m/s	velocity		8.75	9.47	8.49	8.85	100.0	8.75	8.95	
Cuthbert, Juliet (JAM) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 Olympic Games (Atlanta, GA)			Veney - 200m women from PJ								
date	01-Aug-96	time		11.51		22.60	22.60	1 / 7			
reaction time	0.175	interval				11.09		# of strides	11.51	11.09	0.42
wind	0.3 m/s	velocity		8.69		9.02	8.85	99.7	8.69	9.02	
Edwards, Torri (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)								
date	16-Jul-04	time	6.19	11.36	16.63	22.60	22.60	5 / 4			
reaction time		interval		5.17	5.27	5.97	DV	# of strides	11.36	11.24	0.12
wind	-0.3 m/s	velocity	8.08	9.67	9.49	8.38	8.85	95.5	8.80	8.90	
Knight, Bianca (USA) (1989)			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	30-Jun-12	time		11.5		22.60	22.60	1 / 7			
reaction time	0.210	interval				11.10		# of strides	11.50	11.10	0.40
wind	1.0 m/s	velocity		8.70		9.01	8.85		8.70	9.01	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 USATF National Championships (Eugene, OR)			Track Newsletter (2015) - USATF women's championships								
date	28-Jun-14	time		11.5		22.6	22.60	1 / 7			
reaction time		interval				11.10		# of strides	11.50	11.10	0.40

wind	0.4 m/s	velocity	8.70	9.01	8.85	8.70	9.01			
Bowie, Towie (USA) (1990)										
FINAL	- 2017 USATF National Championships (Sacramento, CA)				Track Newsletter (2017) - USATF championships women					
date	25-Jun-17	time	11.4	22.6	22.60	1 / 3				
reaction time		interval		11.20		# of strides	11.40	11.20	0.20	
wind	-2.5 m/s	velocity	8.77	8.93	8.85		8.77	8.93		
Emmanuel, Crystal (CAN) (1991)										
FINAL	- 2017 IAAF World Championships (London, GBR)				Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m					
date	11-Aug-17	time	11.23	16.63	22.44	2 / 7				
reaction time	0.158	interval		5.40	5.81	# of strides	11.23	11.21	0.02	
wind	0.8 m/s	velocity	8.90	9.26	8.61	98.2	8.90	8.92		
Kambundji, Mujinga (SUI) (1992)										
FINAL	- 2021 Golden Gala Pietro Mennea (Florence, ITA)				Omega Timing (2021) - diamond league race analysis					
date	10-Jun-21	time	6.5	11.6	17.2	6 / 3				
reaction time	0.147	interval		5.10	5.60	# of strides	11.60	11.00	0.60	
wind	0.2 m/s	velocity	7.69	9.80	8.93	100.0	8.62	9.09		
Williams, Jodie (GBR) (1993)										
FINAL	- 2021 Müller British Grand Prix (Gateshead, GBR)				Omega Timing (2019) - diamond league race analysis					
date	13-Jul-21	time	6.4	11.6	16.9	7 / 2				
reaction time	0.143	interval		5.20	5.30	# of strides	11.60	11.00	0.60	
wind	0.2 m/s	velocity	7.81	9.62	9.43	8.77	8.85	94.0	8.62	9.09
Bestué, Jaël (ESP) (2000)										
Semi-Final 3	- 2023 World Athletics Championships (Budapest, HUN)				Seiko Timing (2023) - world championship race analysis					
date	24-Aug-23	time	11.59	22.60	22.60	4 / 5				
reaction time	0.165	interval		11.01		# of strides	11.59	11.01	0.58	
wind	-0.2 m/s	velocity	8.63	9.08	8.85	103.5	8.63	9.08		
Mays, Jady (USA) (2002)										
FINAL	- 2024 USA Olympic Trials (Eugene, OR)				USATF and Karmarush (2024) - USA Olympic trials results and race analysis					
date	29-Jun-24	time	6.43	11.67	17.03	22.60	22.60	1 / 8		
reaction time		interval		5.24	5.36	5.57	# of strides	11.67	10.93	0.74
wind	0.6 m/s	velocity	7.78	9.54	9.33	8.98	8.85	100.0	8.57	9.15
Smallwood, Kathy (GBR) (1960)										
FINAL	- 1980 Olympic Games (Moscow, URS)				Veney - 200m women from PJ					
date	30-Jul-80	time	11.79	17.06	22.61	22.61	7 / 5			
reaction time	0.176	interval		5.27	5.55	# of strides	11.79	10.82	0.97	
wind	1.4 m/s	velocity	8.48	9.49	9.01	8.85		8.48	9.24	
Jackson, Grace (JAM) (1961)										
FINAL	- 1985 World Cup (Canberra, AUS)				Veney - 200m women from PJ					
date	04-Oct-85	time	11.56	22.61	22.61	5 / 2				
reaction time		interval		11.05		# of strides	11.56	11.05	0.51	
wind	-0.7 m/s	velocity	8.65	9.05	8.85	86.0	8.65	9.05		
Finn, Michelle (USA) (1965)										
FINAL	- 1992 Olympic Games (Barcelona, ESP)				Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016					
date	06-Aug-92	time	11.4	22.6	22.61	2 / 7				
reaction time		interval		11.20		# of strides	11.40	11.20	0.20	
wind	-0.6 m/s	velocity	8.77	8.93	8.85	95.2	8.77	8.93		
Guidry-White, Carlette (USA) (1968)										
FINAL	- 1996 Olympic Games (Atlanta, GA)				Veney - 200m women from PJ					
date	01-Aug-96	time	11.41	16.70	22.61	22.61	2 / 8			
reaction time	0.207	interval		5.29	5.91	# of strides	11.41	11.20	0.21	
wind	0.3 m/s	velocity	8.76	9.45	8.46	8.85	92.7	8.76	8.93	
Jeter, Carmelita (USA) (1979)										
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)				USATF Women's Sprint Development with HPC (2008)					
date	05-Jul-08	time	6.41	11.53	16.75	22.61	22.61	7 / 4		
reaction time		interval		5.12	5.22	5.86	# of strides	11.53	11.08	0.45

wind	0.0 m/s	velocity	7.80	9.77	9.58	8.53	8.85		8.67	9.03	
Ferguson-McKenzie, Debbie (BAH) ()											
FINAL	- 2008 Olympic Games (Beijing, CHN)		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	21-Aug-08	time		11.46		22.61	22.61	2 / 7			
reaction time	0.175	interval				11.15		# of strides	11.46	11.15	0.31
wind	0.6 m/s	velocity		8.73		8.97	8.85	96.5	8.73	8.97	
Solomon, Shalonda (USA) (1985)											
FINAL	- 2011 IAAF World Championships (Daegu, KOR)		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	02-Sep-11	time		11.4		22.61	22.61	6 / 4			
reaction time	0.172	interval				11.21		# of strides	11.40	11.21	0.19
wind	-1.0 m/s	velocity		8.77		8.92	8.85	96.7	8.77	8.92	
Thomas, Gabrielle (USA) (1996)											
FINAL	- 2017 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2017) - NCAA women's championships</i>											
date	10-Jun-17	time		11.6		22.6	22.61	6 / 3			
reaction time		interval				11.00		# of strides	11.60	11.00	0.60
wind	1.1 m/s	velocity		8.62		9.09	8.85	89.7	8.62	9.09	
Brown, Brittany (USA) (1995)											
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2019) - race analysis</i>											
date	10-Sep-19	time		11.47		22.61	22.61	5 / 1			
reaction time	0.217	interval				11.14		# of strides	11.47	11.14	0.33
wind	-0.1 m/s	velocity		8.72		8.98	8.85	94.2	8.72	8.98	
Okagbare, Blessing (NGR) (1988)											
FINAL	- 2021 Müller British Grand Prix (Gateshead, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2019) - diamond league race analysis</i>											
date	13-Jul-21	time	6.5	11.6	16.9	22.61	22.61	8 / 3			
reaction time	0.160	interval		5.10	5.30	5.71		# of strides	11.60	11.01	0.59
wind	0.2 m/s	velocity	7.69	9.80	9.43	8.76	8.85	92.5	8.62	9.08	
Gaither, TyNia (BAH) (1993)											
Heat 4	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		11.65		22.61	22.61	8 / 3			
reaction time	0.209	interval				10.96		# of strides	11.65	10.96	0.69
wind	0.4 m/s	velocity		8.58		9.12	8.85	102.0	8.58	9.12	
Nwokocha, Grace (NGR) (2001)											
Heat 5	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		11.50		22.61	22.61	4 / 3			
reaction time	0.182	interval				11.11		# of strides	11.50	11.11	0.39
wind	0.9 m/s	velocity		8.70		9.00	8.85	96.0	8.70	9.00	
Hill, Candice (USA) (1999)											
Semi-Final 3	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	6.42	11.60	16.97	22.61	22.61	4 / 5			
reaction time		interval		5.18	5.37	5.64		# of strides	11.60	11.01	0.59
wind	1.4 m/s	velocity	7.79	9.65	9.31	8.87	8.85	92.5	8.62	9.08	
Gbai, Jessika (CIV) (1998)											
Heat 4	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	04-Aug-24	time	6.39	11.50	16.89	22.61	22.61	7 / 2			
reaction time	0.170	interval		5.11	5.39	5.72		# of strides	11.50	11.11	0.39
wind	0.0 m/s	velocity	7.82	9.78	9.28	8.74	8.85	94.0	8.70	9.00	
Battle, Anavia (USA) (1999)											
FINAL	- 2024 Memorial van damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	14-Sep-24	time	6.43	11.51	16.80	22.61	22.61	8 / 3			
reaction time	0.144	interval		5.08	5.29	5.81		# of strides	11.51	11.10	0.41
wind	0.2 m/s	velocity	7.78	9.84	9.45	8.61	8.85	95.0	8.69	9.01	
Bazolo, Loréne Dorcas (POR) (1983)											
A FINAL	- 2025 European Team Championships, First Division (Madrid, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>											
date	29-Jun-25	time	6.27	11.38	16.72	22.61	22.61	6 / 5			
reaction time	0.151	interval		5.11	5.34	5.89	NR PB	# of strides	11.38	11.23	0.15

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wind	0.8 m/s	velocity	7.97	9.78	9.36	8.49	8.85	98.5	8.79	8.90	
Ford, JaMeesia (USA) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.27	11.38	16.68	22.61	22.61	4 / 2			
reaction time		interval		5.11	5.30	5.93		# of strides	11.38	11.23	0.15
wind	1.6 m/s	velocity	7.97	9.78	9.43	8.43	8.85		8.79	8.90	
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Weltklasse (Zürich, SUI)			Omega Timing (2025) - diamond league race analysis								
date	28-Aug-25	time	6.26	11.28	16.70	22.61	22.61	8 / 5			
reaction time	0.169	interval		5.02	5.42	5.91		# of strides	11.28	11.33	-0.05
wind	-0.4 m/s	velocity	7.99	9.96	9.23	8.46	8.85		8.87	8.83	
Solomon, Shalonda (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	10-Jun-06	time		11.6		22.6	22.62	6 / 1			
reaction time		interval				11.00		# of strides	11.60	11.00	0.60
wind	0.8 m/s	velocity		8.62		9.09	8.84	97.0	8.62	9.09	
McLaughlin, Anneisha (JAM) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	21-Aug-09	time	6.37	11.43	16.76	22.62	22.62	8 / 5			
reaction time	0.178	interval		5.06	5.33	5.86		# of strides	11.43	11.19	0.24
wind	-0.1 m/s	velocity	7.85	9.88	9.38	8.53	8.84	96.0	8.75	8.94	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 USATF National Championships (Des Moines, IA)			Track Newsletter (2018) - USATF championships women								
date	24-Jun-18	time		11.4		22.7	22.62	/ 1			
reaction time		interval				11.30		# of strides	11.40	11.30	0.10
wind	-1.0 m/s	velocity		8.77		8.85	8.84		8.77	8.85	
Okagbare, Blessing (NGR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Weltklasse (Zürich, SUI)			Omega Timing (2019) - diamond league race analysis								
date	29-Aug-19	time	6.5	11.5	16.8	22.62	22.62	8 / 6			
reaction time	0.159	interval		5.0	5.3	5.82		# of strides	11.50	11.12	0.38
wind	-0.4 m/s	velocity	7.69	10.00	9.43	8.59	8.84	94.0	8.70	8.99	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)			Omega Timing (2019) - diamond league race analysis								
date	13-Jul-21	time	6.3	11.4	16.8	22.62	22.62	4 / 4			
reaction time	0.157	interval		5.10	5.40	5.82		# of strides	11.40	11.22	0.18
wind	0.2 m/s	velocity	7.94	9.80	9.26	8.59	8.84	101.0	8.77	8.91	
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2023 World Athletics Championships (Budapest, HUN)			Seiko Timing (2023) - world championship race analysis								
date	23-Aug-23	time		11.54		22.62	22.62	4 / 3			
reaction time	0.144	interval				11.08		# of strides	11.54	11.08	0.46
wind	-0.3 m/s	velocity		8.67		9.03	8.84	92.2	8.67	9.03	
Terry, Twanisha (USA) (1999)			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	6.39	11.60	16.91	22.62	22.62	9 / 4			
reaction time		interval		5.21	5.31	5.71		# of strides	11.60	11.02	0.58
wind	1.8 m/s	velocity	7.82	9.60	9.42	8.76	8.84	100.0	8.62	9.07	
Ta Lou-Smith, Marie-Josée (CIV) (198			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	19-Sep-25	time		11.29		22.62	22.62	4 / 7			
reaction time	0.166	interval				11.33		# of strides	11.29	11.33	-0.04
wind	-0.1 m/s	velocity		8.86		8.83	8.84	97.0	8.86	8.83	
Jackson, Grace (JAM) (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		11.67	16.97	22.63	22.63	8 / 5			
reaction time	0.164	interval			5.30	5.66	PB	# of strides	11.67	10.96	0.71

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wind	1.5 m/s	velocity	8.57	9.43	8.83	8.84	85.2	8.57	9.12		
Malchugina, Galina (EUN) (1962)											
FINAL	- 1992 Olympic Games (Barcelona, ESP)		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	06-Aug-92	time				22.6	22.63	1 / 8			
reaction time		interval				11.10		# of strides	11.50	11.10	0.40
wind	-0.6 m/s	velocity	8.70			9.01	8.84	101.5	8.70	9.01	
Moore, LaShaunte'a (USA) (1983)											
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.47	11.65	16.95	22.63	22.63	5 / 1			
reaction time		interval		5.18	5.30	5.68	PB	# of strides	11.65	10.98	0.67
wind	-1.1 m/s	velocity	7.73	9.65	9.43	8.80	8.84	95.5	8.58	9.11	
Jayasinghe, Susanthika (SRI) (1975)											
FINAL	- 2007 IAAF World Championships (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>											
date	31-Aug-07	time	6.36	11.45	16.82	22.63	22.63	8 / 3			
reaction time	0.200	interval		5.09	5.37	5.81		# of strides	11.45	11.18	0.27
wind	1.7 m/s	velocity	7.86	9.82	9.31	8.61	8.84	94.7	8.73	8.94	
Floyd, Ebonie (USA) (1983)											
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.45	11.75	16.96	22.63	22.63	5 / 5			
reaction time		interval		5.30	5.21	5.67		# of strides	11.75	10.88	0.87
wind	0.0 m/s	velocity	7.75	9.43	9.60	8.82	8.84		8.51	9.19	
Durst, Stephanie (USA) (1982)											
FINAL	- 2011 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2011) - USATF women's championships</i>											
date	26-Jun-11	time	11.8			22.6	22.63	1 / 7			
reaction time		interval				10.80	DQ	# of strides	11.80	10.80	1.00
wind	1.0 m/s	velocity	8.47			9.26	8.84		8.47	9.26	
Soumaré, Myriam (FRA) (1986)											
FINAL	- 2012 Olympic Games (London, GBR)		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	08-Aug-12	time	11.41			22.63	22.63	2 / 7			
reaction time	0.157	interval				11.22		# of strides	11.41	11.22	0.19
wind	-0.2 m/s	velocity	8.76			8.91	8.84	98.2	8.76	8.91	
Brown, Kamaria (USA) (1992)											
FINAL	- 2014 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2014) - NCAA women's championships</i>											
date	14-Jun-14	time	11.6			22.6	22.63	5 / 1			
reaction time		interval				11.00		# of strides	11.60	11.00	0.60
wind	2.2 m/s	velocity	8.62			9.09	8.84		8.62	9.09	
Prandini, Jenna (USA) (1992)											
FINAL	- 2014 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2014) - NCAA women's championships</i>											
date	14-Jun-14	time	11.5			22.6	22.63	4 / 2			
reaction time		interval				11.10		# of strides	11.50	11.10	0.40
wind	2.2 m/s	velocity	8.70			9.01	8.84		8.70	9.01	
Townsend, Tiffany (USA) (1989)											
FINAL	- 2016 London Anniversary Games (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2016.07.23) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en</i>											
date	23-Jul-16	time	11.45			22.63	22.63	7 / 2			
reaction time	0.191	interval				11.18		# of strides	11.45	11.18	0.27
wind	-0.8 m/s	velocity	8.73			8.94	8.84		8.73	8.94	
Schippers, Dafne (NED) (1992)											
Heat 1	- 2017 IAAF World Championships (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>											
date	08-Aug-17	time	6.28	11.31	16.63	22.63	22.63	6 / 1			
reaction time	0.146	interval		5.03	5.32	6.00		# of strides	11.31	11.32	-0.01
wind	0.5 m/s	velocity	7.96	9.94	9.40	8.33	8.84	92.0	8.84	8.83	
Thompson-Herah, Elaine (JAM) (1992)											
Semi-Final 3	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	05-Aug-22	time	6.2	11.3	16.6	22.63	22.63	5 / 1			
reaction time	0.174	interval		5.10	5.30	6.03		# of strides	11.30	11.33	-0.03

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wind	1.5 m/s	velocity	8.06	9.80	9.43	8.29	8.84	96.7	8.85	8.83	
Kambundji, Mujinga (SUI) (1992)			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	05-Aug-24	time	6.22	11.29	16.70	22.63	22.63	4 / 4			
reaction time	0.140	interval		5.07	5.41	5.93		# of strides	11.29	11.34	-0.05
wind	0.2 m/s	velocity	8.04	9.86	9.24	8.43	8.84	99.5	8.86	8.82	
Cheeseborough, Chandra (USA) (1955)			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	24-Jun-76	time		11.5		22.6	22.64	1 / 2			
reaction time		interval				11.1		# of strides	11.50	11.10	0.40
wind	2.3 m/s	velocity		8.70		9.01	8.83		8.70	9.01	
Bodendorf, Carla (GDR) (1953)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1976 Olympic Games (Montreal, CAN)			Breizer (1984) - sprint competition analysis								
date	28-Jul-76	time		11.39	16.90	22.64	22.64	4 / 4			
reaction time		interval			5.51	5.74		# of strides	11.39	11.25	0.14
wind	0.0 m/s	velocity		8.78	9.07	8.71	8.83	103.5	8.78	8.89	
Gladisch-Möller, Silke (GDR) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1986 European Championships (Stuttgart, FRG)			Veney - 200m women from PJ								
date	29-Jun-86	time		11.26		22.49	22.64	6 / 3			
reaction time	0.233	interval				11.23		# of strides	11.26	11.23	0.03
wind	-0.8 m/s	velocity		8.88		8.90	8.83	103.7	8.88	8.90	
Campbell, Juliet (JAM) (1970)			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 in athletics seville 1999								
date	27-Aug-99	time	6.31	11.50	16.87	22.64	22.64	2 / 8			
reaction time	0.143	interval		5.19	5.37	5.77		# of strides	11.50	11.14	0.36
wind	0.6 m/s	velocity	7.92	9.63	9.31	8.67	8.83		8.70	8.98	
Moore, LaShaunte'a (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)								
date	18-Jul-04	time	6.44	11.65	16.92	22.64	22.64	5 / 4-3			
reaction time		interval		5.21	5.27	5.72		# of strides	11.65	10.99	0.66
wind	-1.2 m/s	velocity	7.76	9.60	9.49	8.74	8.83	95.5	8.58	9.10	
Facey, Simone (JAM) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	09-Jun-07	time		11.6		22.6	22.64	8 / 2			
reaction time		interval				11.00		# of strides	11.60	11.00	0.60
wind	1.7 m/s	velocity		8.62		9.09	8.83	97.2	8.62	9.09	
Freeman, Emily (GBR) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	20-Aug-09	time	6.29	11.40	16.79	22.64	22.64	3 / 3			
reaction time	0.163	interval		5.11	5.39	5.85	PB	# of strides	11.40	11.24	0.16
wind	0.5 m/s	velocity	7.95	9.78	9.28	8.55	8.83	97.7	8.77	8.90	
Artymata, Eleni (CYP) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	20-Aug-09	time	6.46	11.57	16.92	22.64	22.64	8 / 4			
reaction time	0.192	interval		5.11	5.35	5.72	NR	# of strides	11.57	11.07	0.50
wind	0.5 m/s	velocity	7.74	9.78	9.35	8.74	8.83	91.0	8.64	9.03	
Ekponé, Olivia (USA) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 NCAA Championships (Eugene, OR)			Track Newsletter (2014) - NCAA women's championships								
date	14-Jun-14	time		11.8		22.6	22.64	2 / 3			
reaction time		interval				10.80		# of strides	11.80	10.80	1.00
wind	2.2 m/s	velocity		8.47		9.26	8.83		8.47	9.26	
Jones, Mahagony (USA) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 USATF National Championships (Sacramento, CA)			Track Newsletter (2014) - USATF women's championships								
date	29-Jun-14	time		11.7		22.6	22.64	1 / 5			
reaction time	0.163	interval				10.90		# of strides	11.70	10.90	0.80

wind	3.8 m/s	velocity	8.55	9.17	8.83	8.55	9.17				
Ta Lou, Marie Josée (CIV) (1988)											
FINAL - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2023) - world championship race analysis</i>											
date	25-Aug-23	time		11.41		22.64	22.64	2 / 8			
reaction time	0.179	interval				11.23		# of strides	11.41	11.23	0.18
wind	0.1 m/s	velocity		8.76		8.90	8.83	97.0	8.76	8.90	
Burgher, Niesha (JAM) (2002)											
Semi-Final 2 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.39	11.42	16.77	22.64	22.64	6 / 5			
reaction time	0.185	interval		5.03	5.35	5.87		# of strides	11.42	11.22	0.20
wind	0.2 m/s	velocity	7.82	9.94	9.35	8.52	8.83	97.0	8.76	8.91	
Asher-Smith, Dina (GBR) (1995)											
FINAL - 2025 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2025) - diamond league race analysis</i>											
date	20-Aug-25	time	6.24	11.37	16.79	22.64	22.64	4 / 5			
reaction time	0.190	interval		5.13	5.42	5.85		# of strides	11.37	11.27	0.10
wind	-0.5 m/s	velocity	8.01	9.75	9.23	8.55	8.83	94.0	8.80	8.87	
Trandenkova, Marina (RUS) (1967)											
FINAL - 1997 IAAF World Championships (Athens, GRE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics</i>											
date	08-Aug-97	time	6.25	11.39	16.75	22.51	22.65	1 / 6			
reaction time	0.138	interval		5.14	5.36	5.76		# of strides	11.39	11.12	0.27
wind	-0.7 m/s	velocity	8.00	9.73	9.33	8.68	8.83	100.5	8.78	8.99	
Jenkins, LaTasha (USA) (1977)											
FINAL - 2003 USATF National Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2003)</i>											
date	22-Jun-03	time	6.61	11.85	17.03	22.65	22.65	6 / ~~4~~ 3			
reaction time		interval		5.24	5.18	5.62		# of strides	11.85	10.80	1.05
wind	0.0 m/s	velocity	7.56	9.54	9.65	8.90	8.83		8.44	9.26	
Moore, Connie (USA) (1981)											
FINAL - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	18-Jul-04	time	6.43	11.52	16.77	22.65	22.65	7 / ~~5~~ 4			
reaction time		interval		5.09	5.25	5.88	PB	# of strides	11.52	11.13	0.39
wind	-1.2 m/s	velocity	7.78	9.82	9.52	8.50	8.83	102.2	8.68	8.98	
Stewart, Kerron (JAM) (1984)											
FINAL - 2006 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	10-Jun-06	time		11.7		22.7	22.65	5 / 2			
reaction time		interval				11.00	PB	# of strides	11.70	11.00	0.70
wind	0.8 m/s	velocity		8.55		9.09	8.83	96.0	8.55	9.09	
Floyd, Ebonie (USA) (1983)											
FINAL - 2007 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	09-Jun-07	time		11.7		22.7	22.65	7 / 3			
reaction time		interval				11.00		# of strides	11.70	11.00	0.70
wind	1.7 m/s	velocity		8.55		9.09	8.83	97.0	8.55	9.09	
Edwards, Torri (USA) (1977)											
FINAL - 2007 IAAF World Championships (Osaka, JPN)			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	31-Aug-07	time		11.3		22.65	22.65	3 / 4			
reaction time	0.136	interval				11.35		# of strides	11.30	11.35	-0.05
wind	1.7 m/s	velocity		8.85		8.81	8.83	98.2	8.85	8.81	
Facey, Simone (JAM) (1985)											
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	10-May-15	time	6.27	11.44	16.85	22.65	22.65	4 / 1			
reaction time		interval		5.17	5.41	5.80		# of strides	11.44	11.21	0.23
wind	1.0 m/s	velocity	7.97	9.67	9.24	8.62	8.83		8.74	8.92	
Washington, Ariana (USA) (1996)											
FINAL - 2016 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	10-Jul-16	time		11.5		22.6	22.65	3 / 5			
reaction time	0.174	interval				11.10		# of strides	11.50	11.10	0.40

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wind	-0.6 m/s	velocity	8.70	9.01	8.83	92.2	8.70	9.01	
Stevens, Deajah (USA) (1995)									
FINAL	- 2016 Olympic Games (Rio de Janeiro, BRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	17-Aug-16	time		11.5		22.65	22.65	1 / 7	
reaction time	0.171	interval				11.15		# of strides	11.50 11.15 0.35
wind	-0.1 m/s	velocity	8.70			8.97	8.83	91.0	8.70 8.97
Washington, Ariana (USA) (1996)									
FINAL	- 2017 USATF National Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	25-Jun-17	time		11.5		22.6	22.65	/ 4	
reaction time		interval				11.10		# of strides	11.50 11.10 0.40
wind	-2.5 m/s	velocity	8.70			9.01	8.83		8.70 9.01
Masilingi, Beatrice (NAM) (2003)									
FINAL	- 2021 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Jul-21	time	6.4	11.6	17.0	22.65	22.65	3 / 3	
reaction time	0.196	interval		5.20	5.40	5.65	NR PB	# of strides	11.60 11.05 0.55
wind	-0.4 m/s	velocity	7.81	9.62	9.26	8.85	8.83	92.2	8.62 9.05
Kambundji, Mujinga (SUI) (1992)									
FINAL	- 2022 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	08-Sep-22	time	6.26	11.38	16.79	22.65	22.65	4 / 5	
reaction time	0.150	interval		5.12	5.41	5.86		# of strides	11.38 11.27 0.11
wind	-0.9 m/s	velocity	7.99	9.77	9.24	8.53	8.83	101.7	8.79 8.87
Fotopoulou, Oliva (CYP) (1996)									
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	23-Aug-23	time		11.36		22.65	22.65	3 / 3	
reaction time	0.148	interval				11.29	PB	# of strides	11.36 11.29 0.07
wind	-0.7 m/s	velocity		8.80		8.86	8.83	99.0	8.80 8.86
Strachan, Anthonique (BAH) (1993)									
FINAL	- 2023 Weltklasse (Zürich, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	31-Aug-23	time	6.31	11.41	16.82	22.65	22.65	5 / 6	
reaction time	0.163	interval		5.10	5.41	5.83		# of strides	11.41 11.24 0.17
wind	-0.8 m/s	velocity	7.92	9.80	9.24	8.58	8.83	88.0	8.76 8.90
Koné, Maboundou (CIV) (1997)									
Semi-Final 1	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	05-Aug-24	time	6.27	11.41	16.81	22.65	22.65	3 / 5	
reaction time	0.167	interval		5.14	5.40	5.84		# of strides	11.41 11.24 0.17
wind	0.0 m/s	velocity	7.97	9.73	9.26	8.56	8.83	99.0	8.76 8.90
Asher-Smith, Dina (GBR) (1995)									
Short Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	31-May-25	time	6.23	11.39	16.81	22.65	22.65	5 / 4	
reaction time	0.160	interval		5.16	5.42	5.84		# of strides	11.39 11.26 0.13
wind	1.1 m/s	velocity	8.03	9.69	9.23	8.56	8.83	97.0	8.78 8.88
Takács, Boglárka (HUN) (2001)									
B FINAL	- 2025 European Team Championships, First Division (Madrid, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	29-Jun-25	time	6.28	11.39	16.79	22.65	22.65	/ 1	
reaction time	0.152	interval		5.11	5.40	5.86	NR PB	# of strides	11.39 11.26 0.13
wind	-0.2 m/s	velocity	7.96	9.78	9.26	8.53	8.83		8.78 8.88
Ta Lou-Smith, Marie-Josée (CIV) (198									
FINAL	- 2025 Athlos (Randalls Island, NY)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	10-Oct-25	time	6.24	11.38	16.70	22.65	22.65	4 / 3	
reaction time		interval		5.14	5.32	5.95		# of strides	11.38 11.27 0.11
wind	1.9 m/s	velocity	8.01	9.73	9.40	8.40	8.83	97.0	8.79 8.87
Kondratyeva, Lyudmila (URS) (1958)									
FINAL	- 1979 World Cup (Montreal, CAN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	24-Aug-79	time		11.56	16.88	22.66	22.66	3 / 3	
reaction time		interval			5.32	5.78		# of strides	11.56 11.10 0.46

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wind	-0.2 m/s	velocity	8.65	8.89	8.65	8.83		8.65	9.01		
Malchugina, Galina (URS) (1962)											
FINAL	- 1991 IAAF World Championships (Tokyo, JPN)		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	30-Aug-91	time		11.50		22.66	22.66	1 / 5			
reaction time		interval				11.16		# of strides	11.50	11.16	0.34
wind	-2.4 m/s	velocity	8.70			8.96	8.83	100.0	8.70	8.96	
Knoll, Silke (GER) (1967)											
FINAL	- 1995 IAAF World Championships (Göteborg, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Veney - 200m women from PJ</i>										
date	10-Aug-95	time		11.57	16.86	22.66	22.66	2 / ~~4~~ 5			
reaction time		interval			5.29	5.80		# of strides	11.57	11.09	0.48
wind	-2.2 m/s	velocity	8.64	9.45	8.62	8.83		103.5	8.64	9.02	
Block, Zhanna (UKR) (1972)											
FINAL	- 2000 Olympic Games (Sydney, AUS)		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	28-Sep-00	time		11.4		22.7	22.66	8 / ~~8~~ 7			
reaction time	0.190	interval				11.3		# of strides	11.40	11.30	0.10
wind	0.7 m/s	velocity	8.77			8.85	8.83	95.2	8.77	8.85	
Lee, Muna (USA) (1981)											
Heat 3	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2004)</i>										
date	16-Jul-04	time	6.32	11.55	16.92	22.66	22.66	5 / 1			
reaction time		interval		5.23	5.37	5.74		# of strides	11.55	11.11	0.44
wind	-0.1 m/s	velocity	7.91	9.56	9.31	8.71	8.83	92.7	8.66	9.00	
Durst, Stephanie (USA) (1982)											
Semi-Final 1	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2004)</i>										
date	17-Jul-04	time	6.34	11.60	16.87	22.66	22.66	7 / ~~2~~ 1			
reaction time		interval		5.26	5.27	5.79		# of strides	11.60	11.06	0.54
wind	0.5 m/s	velocity	7.89	9.51	9.49	8.64	8.83	97.5	8.62	9.04	
Colander, LaTasha (USA) (1976)											
FINAL	- 2005 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - World championships- women</i>										
date	12-Aug-05	time		11.5		22.7	22.66	2 / 5			
reaction time	0.168	interval				11.20		# of strides	11.50	11.20	0.30
wind	0.2 m/s	velocity	8.70			8.93	8.83	101.0	8.70	8.93	
Jenkins, LaTasha (USA) (1977)											
FINAL	- 2006 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2006)</i>										
date	25-Jun-06	time	6.45	11.54	16.87	22.66	22.66	5 / 3			
reaction time		interval		5.09	5.33	5.79		# of strides	11.54	11.12	0.42
wind	0.3 m/s	velocity	7.75	9.82	9.38	8.64	8.83		8.67	8.99	
Edwards, Torri (USA) (1977)											
Semi-Final 1	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.31	11.46	16.76	22.66	22.66	7 / 4			
reaction time		interval		5.15	5.30	5.90		# of strides	11.46	11.20	0.26
wind	-0.1 m/s	velocity	7.92	9.71	9.43	8.47	8.83		8.73	8.93	
Prandini, Jenna (USA) (1992)											
FINAL	- 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	12-Jul-19	time	6.5	11.5	16.9	22.66	22.66	3 / 5			
reaction time	0.197	interval		5.0	5.4	5.76		# of strides	11.50	11.16	0.34
wind	0.1 m/s	velocity	7.69	10.00	9.26	8.68	8.83	97.7	8.70	8.96	
Ta Lou, Marie Josée (CIV) (1988)											
FINAL	- 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	12-Jul-19	time	6.4	11.4	16.9	22.66	22.66	4 / 6			
reaction time	0.182	interval		5.0	5.5	5.76		# of strides	11.40	11.26	0.14
wind	0.1 m/s	velocity	7.81	10.00	9.09	8.68	8.83	100.2	8.77	8.88	
Ofili, Favour (NGR) (2002)											
Semi-Final 1	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Longines Timing (2022) - commonwealth games race analysis</i>										
date	05-Aug-22	time	6.2	11.5	16.8	22.66	22.66	5 / 1			
reaction time	0.160	interval		5.30	5.30	5.86		# of strides	11.50	11.16	0.34

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wind	1.9 m/s	velocity	8.06	9.43	9.43	8.53	8.83	92.0	8.70	8.96	
Gaither, TyNia (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Weltklasse (Zürich, SUI)			Omega Timing (2022) - diamond league race analysis								
date	08-Sep-22	time	6.38	11.51	16.88	22.66	22.66	3 / 6			
reaction time	0.148	interval		5.13	5.37	5.78		# of strides	11.51	11.15	0.36
wind	-0.9 m/s	velocity	7.84	9.75	9.31	8.65	8.83	104.0	8.69	8.97	
Ofili, Favour (NGR) (2002)			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		11.63		22.66	22.66	5 / 4			
reaction time	0.162	interval				11.03		# of strides	11.63	11.03	0.60
wind	-0.4 m/s	velocity		8.60		9.07	8.83	94.7	8.60	9.07	
Davis, Tamari (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	6.18	11.40	16.78	22.66	22.66	5 / 3			
reaction time		interval		5.22	5.38	5.88		# of strides	11.40	11.26	0.14
wind	0.5 m/s	velocity	8.09	9.58	9.29	8.50	8.83	91.0	8.77	8.88	
Bass, Gina (GAM) (1995)			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	05-Aug-24	time	6.39	11.55	16.91	22.66	22.66	5 / 4			
reaction time	0.155	interval		5.16	5.36	5.75		# of strides	11.55	11.11	0.44
wind	0.1 m/s	velocity	7.82	9.69	9.33	8.70	8.83	102.0	8.66	9.00	
Stevens, Deajah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Meeting de Paris (Paris, FRA)			Omega Timing (2025) - diamond league race analysis								
date	20-Jun-25	time	6.27	11.31	16.73	22.66	22.66	8 / 4			
reaction time	0.172	interval		5.04	5.42	5.93		# of strides	11.31	11.35	-0.04
wind	0.9 m/s	velocity	7.97	9.92	9.23	8.43	8.83	91.7	8.84	8.81	
Sturgis, Cambrea (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.36	11.55	16.88	22.66	22.66	6 / 3			
reaction time		interval		5.19	5.33	5.78		# of strides	11.55	11.11	0.44
wind	1.6 m/s	velocity	7.86	9.63	9.38	8.65	8.83		8.66	9.00	
Zhirova, Marina (URS) (1963)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1985 World Cup (Canberra, AUS)			Veney - 200m women from PJ								
date	04-Oct-85	time		11.5		22.67	22.67	8 / 3			
reaction time		interval				11.17		# of strides	11.50	11.17	0.33
wind	-0.7 m/s	velocity		8.70		8.95	8.82	99.0	8.70	8.95	
Davis-Thompson, Pauline (BAH) (196)			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	29-Sep-88	time	6.61	11.77	17.10	22.67	22.67	8 / 7			
reaction time	0.320	interval		5.16	5.33	5.57	PB	# of strides	11.77	10.90	0.87
wind	1.7 m/s	velocity	7.56	9.69	9.38	8.98	8.82		8.50	9.17	
Georgieva, Nadezhda (BUL) (1961)			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	29-Sep-88	time	6.44	11.53	16.93	22.67	22.67	3 / 5			
reaction time	0.231	interval		5.09	5.40	5.74		# of strides	11.53	11.14	0.39
wind	1.8 m/s	velocity	7.76	9.82	9.26	8.71	8.82		8.67	8.98	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)								
date	16-Jul-04	time	6.32	11.50	16.79	22.67	22.67	6 / 2 1			
reaction time		interval		5.18	5.29	5.88		# of strides	11.50	11.17	0.33
wind	-0.3 m/s	velocity	7.91	9.65	9.45	8.50	8.82	91.7	8.70	8.95	
Fletcher, Sherry (GRN) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	09-Jun-07	time		11.6		22.7	22.67	9 / 4			
reaction time		interval				11.10	NR	# of strides	11.60	11.10	0.50

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DV=Drug Violation

wind	1.7 m/s	velocity	8.62	9.01	8.82	96.0	8.62	9.01			
Mboma, Christine (NAM) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Josef Odložil Memorial (Prague, CZE)							Vazel (2021) - https://twitter.com/pjvazel/status/1401965630484529154?s=21				
date	07-Jun-21	time	6.8	12.0	17.3	22.67	22.67	5 / 1			
reaction time	0.166	interval		5.20	5.30	5.37	NR PB	# of strides	12.00	10.67	1.33
wind	1.2 m/s	velocity	7.35	9.62	9.43	9.31	8.82	98.0	8.33	9.37	
Hemida, Bassant (EGY) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)							Omega Timing (2023) - diamond league race analysis				
date	28-May-23	time	6.33	11.52	16.87	22.67	22.67	3 / 5			
reaction time	0.167	interval		5.19	5.35	5.80		# of strides	11.52	11.15	0.37
wind	0.8 m/s	velocity	7.90	9.63	9.35	8.62	8.82	101.7	8.68	8.97	
White, Kayla (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting de Paris (Paris, FRA)							Omega Timing (2023) - diamond league race analysis				
date	09-Jun-23	time	6.20	11.32	16.73	22.67	22.67	8 / 5			
reaction time	0.173	interval		5.12	5.41	5.94		# of strides	11.32	11.35	-0.03
wind	-0.4 m/s	velocity	8.06	9.77	9.24	8.42	8.82	94.0	8.83	8.81	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)							Omega Timing (2023) - diamond league race analysis				
date	21-Jul-23	time	6.29	11.33	16.78	22.67	22.67	6 / 7			
reaction time	0.200	interval		5.04	5.45	5.89		# of strides	11.33	11.34	-0.01
wind	0.2 m/s	velocity	7.95	9.92	9.17	8.49	8.82	88.2	8.83	8.82	
Williams, Bianca (GBR) (1993)			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		11.62		22.67	22.67	7 / 3			
reaction time	0.167	interval				11.05		# of strides	11.62	11.05	0.57
wind	-0.4 m/s	velocity		8.61		9.05	8.82	98.5	8.61	9.05	
Kaddari, Dalia (ITA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2023 World Athletics Championships (Budapest, HUN)							Seiko Timing (2023) - world championship race analysis				
date	23-Aug-23	time		11.61		22.67	22.67	6 / 4			
reaction time	0.156	interval				11.06		# of strides	11.61	11.06	0.55
wind	-0.3 m/s	velocity		8.61		9.04	8.82	96.0	8.61	9.04	
Jiya, Tasa (NED) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)							Seiko Timing (2023) - world championship race analysis				
date	24-Aug-23	time		11.55		22.67	22.67	9 / 4			
reaction time	0.159	interval				11.12	PB	# of strides	11.55	11.12	0.43
wind	-0.1 m/s	velocity		8.66		8.99	8.82	94.7	8.66	8.99	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)							Omega Timing (2024) - diamond league race analysis				
date	30-Aug-24	time	6.36	11.40	16.78	22.67	22.67	6 / 6			
reaction time	0.168	interval		5.04	5.38	5.89		# of strides	11.40	11.27	0.13
wind	0.4 m/s	velocity	7.86	9.92	9.29	8.49	8.82	97.0	8.77	8.87	
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Golden Gala Pietro Mennea (Roma, ITA)							Omega Timing (2025) - diamond league race analysis				
date	06-Jun-25	time	6.27	11.36	16.76	22.67	22.67	8 / 2			
reaction time	0.161	interval		5.09	5.40	5.91		# of strides	11.36	11.31	0.05
wind	0.8 m/s	velocity	7.97	9.82	9.26	8.46	8.82	94.0	8.80	8.84	
Bestué, Jaël (ESP) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 London Athletics Meet (London, GBR)							Omega Timing (2025) - diamond league race analysis				
date	19-Jul-25	time	6.29	11.46	16.82	22.67	22.67	3 / 5			
reaction time	0.140	interval		5.17	5.36	5.85		# of strides	11.46	11.21	0.25
wind	-0.6 m/s	velocity	7.95	9.67	9.33	8.55	8.82	100.7	8.73	8.92	
Stecher, Renate (GDR) (1950)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1976 Olympic Games (Montreal, CAN)							Lamare (1976) - les jeux de la XXI olympia, Montreal 1976				
date	28-Jul-76	time		11.50		22.68	22.68	5 / 1			
reaction time		interval				11.18		# of strides	11.50	11.18	0.32

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wind	0.0 m/s	velocity	8.70	8.94	8.82	8.70	8.94				
Helten, Inge (FRG) (1950)											
FINAL - 1976 Olympic Games (Montreal, CAN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Breizer (1984) - sprint competition analysis</i>											
date	28-Jul-76	time	11.45	17.02	22.68	22.68	7 / 5				
reaction time		interval		5.57	5.66		# of strides	11.45	11.23	0.22	
wind	0.0 m/s	velocity	8.73	8.98	8.83	8.82	100.5	8.73	8.90		
Nuneva, Anelia (BUL) (1962)											
FINAL - 1983 IAAF World Championships (Helsinki, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>											
date	14-Aug-83	time	11.58	16.94	22.68	22.68	5 / 6				
reaction time	0.201	interval		5.36	5.74	PB	# of strides	11.58	11.10	0.48	
wind	1.5 m/s	velocity	8.64	9.33	8.71	8.82	100.5	8.64	9.01		
Edwards, Torri (USA) (1977)											
FINAL - 2000 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2000) - US olympic trials</i>											
date	23-Jul-00	time	11.5		22.7	22.68	8 / 4				
reaction time		interval			11.2		# of strides	11.50	11.20	0.30	
wind	0.5 m/s	velocity	8.70		8.93	8.82		8.70	8.93		
Safronnikova, Natalia (BLR) (1973)											
FINAL - 2001 European Cup (Bremen, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	24-Jun-01	time	6.38	11.48	16.82	22.68	22.68	/ 1			
reaction time	0.139	interval		5.10	5.34	5.86	NR	# of strides	11.48	11.20	0.28
wind	0.3 m/s	velocity	7.84	9.80	9.36	8.53	8.82		8.71	8.93	
Felix, Allyson (USA) (1985)											
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.37	11.54	16.83	22.68	22.68	6 / 1			
reaction time		interval		5.17	5.29	5.85		# of strides	11.54	11.14	0.40
wind	0.5 m/s	velocity	7.85	9.67	9.45	8.55	8.82	88.2	8.67	8.98	
Solomon, Shalonda (USA) (1985)											
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.49	11.57	16.95	22.68	22.68	6 / 1			
reaction time		interval		5.08	5.38	5.73		# of strides	11.57	11.11	0.46
wind	1.6 m/s	velocity	7.70	9.84	9.29	8.73	8.82		8.64	9.00	
Mothersill, Cydonie (CAY) (1978)											
FINAL - 2008 Olympic Games (Beijing, CHN)			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	21-Aug-08	time	11.50		22.68	22.68	3 / 8				
reaction time	0.206	interval			11.18		# of strides	11.50	11.18	0.32	
wind	0.6 m/s	velocity	8.70		8.94	8.82	98.0	8.70	8.94		
Richards-Ross, Sanya (USA) (1985)											
FINAL - 2011 USATF National Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2011) - USATF women's championships</i>											
date	26-Jun-11	time	11.9		22.7	22.68	~~8~~ 7				
reaction time		interval			10.80		# of strides	11.90	10.80	1.10	
wind	1.0 m/s	velocity	8.40		9.26	8.82		8.40	9.26		
Scott, Aurieyall (USA) (1992)											
FINAL - 2012 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	30-Jun-12	time	11.5		22.68	22.68	2 / 8				
reaction time	0.192	interval			11.18		# of strides	11.50	11.18	0.32	
wind	1.0 m/s	velocity	8.70		8.94	8.82	96.0	8.70	8.94		
Jones, Mahagony (USA) (1990)											
FINAL - 2014 NCAA Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2014) - NCAA women's championships</i>											
date	14-Jun-14	time	11.8		22.7	22.68	/ 4				
reaction time		interval			10.90		# of strides	11.80	10.90	0.90	
wind	2.2 m/s	velocity	8.47		9.17	8.82		8.47	9.17		
Jefferson, Kyra (USA) (1994)											
FINAL - 2017 USATF National Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2017) - USATF championships women</i>											
date	25-Jun-17	time	11.5		22.7	22.68	/ 5				
reaction time		interval			11.20		# of strides	11.50	11.20	0.30	

wind	-2.5 m/s	velocity	8.70	8.93	8.82	8.70	8.93				
Prandini, Jenna (USA) (1992)											
FINAL - 2023 Prefontaine Classic (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2023) - diamond league race analysis</i>											
date	17-Sep-23	time	6.30	11.35	16.68	22.68	22.68	5 / 7			
reaction time	0.179	interval		5.05	5.33	6.00		# of strides	11.35	11.33	0.02
wind	0.3 m/s	velocity	7.94	9.90	9.38	8.33	8.82	97.0	8.81	8.83	
Jamison, Jayla (USA) (2003)											
Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	6.47	11.69	17.04	22.68	22.68	6 / 6			
reaction time		interval		5.22	5.35	5.64		# of strides	11.69	10.99	0.70
wind	1.4 m/s	velocity	7.73	9.58	9.35	8.87	8.82	98.7	8.55	9.10	
Leduc, Audrey (CAN) (1999)											
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.32	11.41	16.81	22.68	22.68	5 / 6			
reaction time	0.198	interval		5.09	5.40	5.87		# of strides	11.41	11.27	0.14
wind	0.0 m/s	velocity	7.91	9.82	9.26	8.52	8.82	95.7	8.76	8.87	
Kaddari, Dalia (ITA) (2001)											
B FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>											
date	29-Jun-25	time	6.35	11.47	16.81	22.68	22.68	/ 2			
reaction time	0.124	interval		5.12	5.34	5.87		# of strides	11.47	11.21	0.26
wind	-0.2 m/s	velocity	7.87	9.77	9.36	8.52	8.82		8.72	8.92	
Prandini, Jenna (USA) (1992)											
Heat 2 - 2025 USATF Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.27	11.34	16.72	22.68	22.68	5 / 4			
reaction time		interval		5.07	5.38	5.96		# of strides	11.34	11.34	0.00
wind	1.6 m/s	velocity	7.97	9.86	9.29	8.39	8.82		8.82	8.82	
Givens, Randy (USA) (1962)											
Semi-Final 1 - 1984 Olympic Games (Los Angeles, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Gleason (1984) - 200 meters, Brisco-Hooks gets gold, record</i>											
date	09-Aug-84	time		11.63		22.69	22.69	3 / 3			
reaction time		interval				11.06		# of strides	11.63	11.06	0.57
wind	1.0 m/s	velocity		8.60		9.04	8.81	98.2	8.60	9.04	
Boone, Rachael (USA) (1981)											
Semi-Final 1 - 2004 USA Olympic Trials (Atlanta, GA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.32	11.47	16.83	22.69	22.69	6 / 3 2			
reaction time		interval		5.15	5.36	5.86		# of strides	11.47	11.22	0.25
wind	0.5 m/s	velocity	7.91	9.71	9.33	8.53	8.81	96.5	8.72	8.91	
Boone, Rachael (USA) (1981)											
FINAL - 2004 USA Olympic Trials (Atlanta, GA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	18-Jul-04	time	6.34	11.58	16.90	22.69	22.69	2 / 6 5			
reaction time		interval		5.24	5.32	5.79		# of strides	11.58	11.11	0.47
wind	-1.2 m/s	velocity	7.89	9.54	9.40	8.64	8.81	96.7	8.64	9.00	
Hooker, Marshevet (USA) (1984)											
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	13-Sep-08	time	6.48	11.63	16.94	22.69	22.69	5 / 2			
reaction time	0.182	interval		5.15	5.31	5.75		# of strides	11.63	11.06	0.57
wind	0.1 m/s	velocity	7.72	9.71	9.42	8.70	8.81		8.60	9.04	
Mothersill, Cydonie (CAY) (1978)											
Heat 5 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	6.42	11.50	16.86	22.69	22.69	7 / 1			
reaction time	0.193	interval		5.08	5.36	5.83		# of strides	11.50	11.19	0.31
wind	0.1 m/s	velocity	7.79	9.84	9.33	8.58	8.81	99.7	8.70	8.94	
Lalova-Collio, Ivet (BUL) (1984)											
FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>											
date	17-Aug-16	time		11.3		22.69	22.69	8 / 8			
reaction time	0.104	interval				11.39		# of strides	11.30	11.39	-0.09

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DV=Drug Violation

wind	-0.1 m/s	velocity	8.85	8.78	8.81	98.0	8.85	8.78			
Miller-Uibo, Shaunae (BAH) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2017 IAAF World Championships (London, GBR)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	08-Aug-17	time	6.44	11.63	16.91	22.69	22.69	5 / 1			
reaction time	0.173	interval		5.19	5.28	5.78		# of strides	11.63	11.06	0.57
wind	-0.1 m/s	velocity	7.76	9.63	9.47	8.65	8.81	88.7	8.60	9.04	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Athletissima (Lausanne, SUI)							<i>Omega Timing (2019) - diamond league race analysis</i>				
date	05-Jul-19	time	6.4	11.6	17.0	22.69	22.69	6 / 1			
reaction time	0.144	interval		5.2	5.4	5.69		# of strides	11.60	11.09	0.51
wind	1.0 m/s	velocity	7.81	9.62	9.26	8.79	8.81	90.5	8.62	9.02	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Bauhaus Galan (Stockholm, SWE)							<i>Omega Timing (2024) - diamond league race analysis</i>				
date	02-Jun-24	time	6.28	11.41	16.77	22.69	22.69	5 / 1			
reaction time	0.156	interval		5.13	5.36	5.92		# of strides	11.41	11.28	0.13
wind	-2.0 m/s	velocity	7.96	9.75	9.33	8.45	8.81	96.0	8.76	8.87	
Joseph, Gémima (FRA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)							<i>Paris 2024 Olympic Games - Results Book (2024)</i>				
date	05-Aug-24	time	6.25	11.42	16.88	22.69	22.69	4 / 7			
reaction time	0.132	interval		5.17	5.46	5.81		# of strides	11.42	11.27	0.15
wind	0.0 m/s	velocity	8.00	9.67	9.16	8.61	8.81	98.0	8.76	8.87	
Bestué, Jaël (ESP) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)							<i>Grand Slam Track (2025) - results and splits by race</i>				
date	15-Jun-25	time	6.42	11.71	16.86	22.69	22.69	3 / 2			
reaction time	0.156	interval		5.29	5.15	5.83		# of strides	11.71	10.98	0.73
wind	2.2 m/s	velocity	7.79	9.45	9.71	8.58	8.81		8.54	9.11	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 London Athletics Meet (London, GBR)							<i>Omega Timing (2025) - diamond league race analysis</i>				
date	19-Jul-25	time	6.14	11.24	16.63	22.69	22.69	4 / 6			
reaction time	0.133	interval		5.10	5.39	6.06		# of strides	11.24	11.45	-0.21
wind	-0.6 m/s	velocity	8.14	9.80	9.28	8.25	8.81	92.0	8.90	8.73	
Mays, Jadyn (USA) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 USATF Championships (Eugene, OR)							<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>				
date	03-Aug-25	time	6.24	11.39	16.80	22.69	22.69	1 / 5			
reaction time		interval		5.15	5.41	5.89		# of strides	11.39	11.30	0.09
wind	1.6 m/s	velocity	8.01	9.71	9.24	8.49	8.81		8.78	8.85	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Athletissima (Lausanne, SUI)							<i>Omega Timing (2025) - diamond league race analysis</i>				
date	20-Aug-25	time	6.42	11.50	16.83	22.69	22.69	6 / 6			
reaction time	0.311	interval		5.08	5.33	5.86		# of strides	11.50	11.19	0.31
wind	-0.5 m/s	velocity	7.79	9.84	9.38	8.53	8.81	98.0	8.70	8.94	
Lewis, Torrie (AUS) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)							<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>				
date	18-Sep-25	time		11.33		22.69	22.69	8 / 4			
reaction time	0.138	interval				11.36		# of strides	11.33	11.36	-0.03
wind	0.1 m/s	velocity		8.83		8.80	8.81	95.2	8.83	8.80	
Felix, Allyson (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)							<i>USATF Women's Sprint Development (2004)</i>				
date	17-Jul-04	time	6.39	11.55	16.91	22.70	22.70	7 / 1			
reaction time		interval		5.16	5.36	5.79		# of strides	11.55	11.15	0.40
wind	-1.2 m/s	velocity	7.82	9.69	9.33	8.64	8.81	93.0	8.66	8.97	
Miller, Inger (USA) (1972)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 USA Olympic Trials (Sacramento, CA)							<i>USATF Women's Sprint Development (2004)</i>				
date	18-Jul-04	time	6.32	11.48	16.76	22.70	22.70	8 / 7-6			
reaction time		interval		5.16	5.28	5.94		# of strides	11.48	11.22	0.26

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DV=Drug Violation

wind	-1.2 m/s	velocity	7.91	9.69	9.47	8.42	8.81	95.7	8.71	8.91	
Hodge, Virgil (SKN) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 NCAA Championships (Sacramento, CA)									<i>Track Newsletter (2005) - NCAA women's championships</i>		
date	09-Jun-07	time		11.5		22.7	22.70	5 / 5			
reaction time		interval				11.20		# of strides	11.50	11.20	0.30
wind	1.7 m/s	velocity		8.70		8.93	8.81	98.5	8.70	8.93	
Richards, Sanya (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Championships (Osaka, JPN)									<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>		
date	31-Aug-07	time		11.5		22.70	22.70	7 / 5			
reaction time	0.239	interval				11.20		# of strides	11.50	11.20	0.30
wind	1.7 m/s	velocity		8.70		8.93	8.81	95.2	8.70	8.93	
Stewart, Kerron (JAM) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 IAAF World Championships (Daegu, KOR)									<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>		
date	02-Sep-11	time		11.4		22.70	22.70	8 / 5			
reaction time	0.211	interval				11.30		# of strides	11.40	11.30	0.10
wind	-1.0 m/s	velocity		8.77		8.85	8.81	93.5	8.77	8.85	
Ta Lou, Marie Josée (CIV) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2017 IAAF World Championships (London, GBR)									<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>		
date	08-Aug-17	time	6.28	11.37	16.79	22.70	22.70	4 / 1			
reaction time	0.192	interval		5.09	5.42	5.91		# of strides	11.37	11.33	0.04
wind	0.1 m/s	velocity	7.96	9.82	9.23	8.46	8.81	99.0	8.80	8.83	
Gaither, TyNia (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)									<i>Omega Timing (2022) - diamond league race analysis</i>		
date	06-Aug-22	time	6.39	11.53	16.88	22.70	22.70	3 / 4			
reaction time	0.155	interval		5.14	5.35	5.82		# of strides	11.53	11.17	0.36
wind	0.2 m/s	velocity	7.82	9.73	9.35	8.59	8.81	102.0	8.67	8.95	
Ta Lou, Marie Josée (CIV) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Bauhaus Galan (Stockholm, SWE)									<i>Omega Timing (2023) - diamond league race analysis</i>		
date	02-Jul-23	time	6.21	11.34	16.73	22.70	22.70	5 / 4			
reaction time	0.152	interval		5.13	5.39	5.97		# of strides	11.34	11.36	-0.02
wind	-0.6 m/s	velocity	8.05	9.75	9.28	8.38	8.81	48.7	8.82	8.80	
Thomas, Lanae-Tava (JAM) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2024 Olympic Games (Paris, FRA)									<i>Paris 2024 Olympic Games - Results Book (2024)</i>		
date	04-Aug-24	time	6.28	11.47	16.86	22.70	22.70	2 / 2			
reaction time	0.151	interval		5.19	5.39	5.84		# of strides	11.47	11.23	0.24
wind	0.2 m/s	velocity	7.96	9.63	9.28	8.56	8.81	95.5	8.72	8.90	
Hodge, Adaejah (IVB) (2006)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Olympic Games (Paris, FRA)									<i>Paris 2024 Olympic Games - Results Book (2024)</i>		
date	05-Aug-24	time	6.37	11.51	16.89	22.70	22.70	2 / 8			
reaction time	0.147	interval		5.14	5.38	5.81		# of strides	11.51	11.19	0.32
wind	0.0 m/s	velocity	7.85	9.73	9.29	8.61	8.81	103.0	8.69	8.94	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Olympic Games (Paris, FRA)									<i>Paris 2024 Olympic Games - Results Book (2024)</i>		
date	06-Aug-24	time	6.37	11.54	16.95	22.70	22.70	3 / 8			
reaction time	0.162	interval		5.17	5.41	5.75		# of strides	11.54	11.16	0.38
wind	-0.6 m/s	velocity	7.85	9.67	9.24	8.70	8.81	94.5	8.67	8.96	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Weltklasse (Zürich, SUI)									<i>Omega Timing (2025) - diamond league race analysis</i>		
date	28-Aug-25	time	6.27	11.31	16.73	22.70	22.70	2 / 6			
reaction time	0.197	interval		5.04	5.42	5.97		# of strides	11.31	11.39	-0.08
wind	-0.4 m/s	velocity	7.97	9.92	9.23	8.38	8.81		8.84	8.78	
Eckert-Wöckel, Bärbel (GDR) (1955)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1976 Olympic Games (Montreal, CAN)									<i>Lamare (1976) - les jeux de la XXI olympia, Montreal 1976</i>		
date	28-Jul-76	time		11.52		22.71	22.71	1 / 1			
reaction time		interval				11.19		# of strides	11.52	11.19	0.33

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wind	0.0 m/s	velocity	8.68	8.94	8.81	8.68	8.94			
Molokova, Marina (URS) (1962)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1986 European Championships (Stuttgart, FRG)										
date	29-Jun-86	time	11.45	22.71	22.71	8 / 4				Veney - 200m women from PJ
reaction time	0.281	interval		11.26		# of strides	11.45	11.26	0.19	
wind	-0.8 m/s	velocity	8.73	8.88	8.81		8.73	8.88		
Onyali, Mary (NGR) (1968)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1995 IAAF World Championships (Göteborg, SWE)										
date	25-Aug-95	time	11.39	16.73	22.71	22.71	8 / ~~7~~ 6			Veney - 200m women from PJ
reaction time		interval		5.34	5.98	# of strides	11.39	11.32	0.07	
wind	-2.2 m/s	velocity	8.78	9.36	8.36	8.81	95.0	8.78	8.83	
Smith, Rachelle (USA) (1981)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2007 USATF National Championships (Indianapolis, IN)										
date	24-Jun-07	time	11.7	22.7	22.71	2 / 5				Track Newsletter (2005) - World championships- women
reaction time		interval		11.00		# of strides	11.70	11.00	0.70	
wind	0.4 m/s	velocity	8.55	9.09	8.81	96.2	8.55	9.09		
Ferguson-McKenzie, Debbie (BAH) (1981)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 4 - 2009 IAAF World Championships (Berlin, GER)										
date	19-Aug-09	time	6.32	11.34	16.72	22.71	22.71	5 / 2		Graubner (2009) - biomechanical analyses at the 12th IAAF world championships
reaction time	0.154	interval		5.02	5.38	5.99	# of strides	11.34	11.37	-0.03
wind	0.3 m/s	velocity	7.91	9.96	9.29	8.35	8.81	94.0	8.82	8.80
Richards-Ross, Sanya (USA) (1985)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2012 Great CityGames (Manchester, GBR) (200m straightaway)										
date	20-May-12	time	11.63	22.71	22.71	3 / 1				Jalava (2012) - www.tilastopaja.org
reaction time		interval		11.08		# of strides	11.63	11.08	0.55	
wind	-0.3 m/s	velocity	8.60	4.40	8.81		8.60	9.03		
Stevens, Deajah (USA) (1995)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 2017 IAAF World Championships (London, GBR)										
date	10-Aug-17	time	11.26	16.64	22.55	22.71	6 / 2			Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m
reaction time	0.155	interval		5.38	5.91	# of strides	11.26	11.29	-0.03	
wind	-0.2 m/s	velocity	8.88	9.29	8.46	8.81	88.7	8.88	8.86	
Bass, Gina (GAM) (1995)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)										
date	19-Jul-22	time	11.60	22.71	22.71	1 / 6				Timing by Seiko (2022) - world athletics championships race analysis
reaction time	0.141	interval		11.11		# of strides	11.60	11.11	0.49	
wind	2.0 m/s	velocity	8.62	9.00	8.81	101.5	8.62	9.00		
Terry, Twanisha (USA) (1999)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 4 - 2024 USA Olympic Trials (Eugene, OR)										
date	27-Jun-24	time	6.32	11.40	16.75	22.71	22.71	8 / 4		USATF and Karmarush (2024) - USA Olympic trials results and race analysis
reaction time		interval		5.08	5.35	5.96	# of strides	11.40	11.31	0.09
wind	0.1 m/s	velocity	7.91	9.84	9.35	8.39	8.81	100.2	8.77	8.84
Cooper, Elise (USA) (2007)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 2024 USA Olympic Trials (Eugene, OR)										
date	28-Jun-24	time	6.44	11.67	17.10	22.71	22.71	5 / 5		USATF and Karmarush (2024) - USA Olympic trials results and race analysis
reaction time		interval		5.23	5.43	5.61	# of strides	11.67	11.04	0.63
wind	1.8 m/s	velocity	7.76	9.56	9.21	8.91	8.81	91.0	8.57	9.06
White, Kayla (USA) (1996)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 USATF Championships (Eugene, OR)										
date	03-Aug-25	time	6.32	11.42	16.78	22.71	22.71	3 / ~~8~~ 7		USATF and Karmarush (2025) - USATF championships results and race analysis
reaction time		interval		5.10	5.36	5.93	# of strides	11.42	11.29	0.13
wind	0.5 m/s	velocity	7.91	9.80	9.33	8.43	8.81	91.0	8.76	8.86
Junk, Sophia (GER) (1999)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)										
date	18-Sep-25	time	11.41	22.71	22.71	5 / 5				Seiko Timing (2025) - 2025 World Championships race analysis
reaction time	0.154	interval		11.30		# of strides	11.41	11.30	0.11	

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DV=Drug Violation

wind	0.1 m/s	velocity	8.76	8.85	8.81	99.5	8.76	8.85			
Callender, Beverley (GBR) (1956)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1980 Olympic Games (Moscow, URS)										<i>Veney - 200m women from PJ</i>	
date	30-Jul-80	time	11.82	17.08	22.72	22.72	5 / 6				
reaction time	0.171	interval		5.26	5.64	PB	# of strides	11.82	10.90	0.92	
wind	1.4 m/s	velocity	8.46	9.51	8.87	8.80		8.46	9.17		
Bailey, Aleen (JAM) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Championships (Osaka, JPN)										<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>	
date	31-Aug-07	time	11.4		22.72	22.72	4 / 6				
reaction time	0.191	interval			11.32		# of strides	11.40	11.32	0.08	
wind	1.7 m/s	velocity	8.77		8.83	8.80	92.7	8.77	8.83		
Moore, LaShaunte'a (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)										<i>USATF Women's Sprint Development with HPC (2008)</i>	
date	05-Jul-08	time	6.49	11.53	16.95	22.72	22.72	8 / 2			
reaction time		interval		5.04	5.42	5.77	# of strides	11.53	11.19	0.34	
wind	1.6 m/s	velocity	7.70	9.92	9.23	8.67	8.80	8.67	8.94		
Stewart, Kerron (JAM) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)										<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>	
date	13-Sep-08	time	6.41	11.51	16.88	22.72	22.72	4 / 3			
reaction time	0.162	interval		5.10	5.37	5.84	# of strides	11.51	11.21	0.30	
wind	0.1 m/s	velocity	7.80	9.80	9.31	8.56	8.80	8.69	8.92		
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)										<i>Hymans (2020) - history of the US olympic trials - track and field</i>	
date	10-Jul-16	time	11.6		22.7	22.72	8 / 6				
reaction time	0.205	interval			11.10		# of strides	11.60	11.10	0.50	
wind	-0.6 m/s	velocity	8.62		9.01	8.80	90.0	8.62	9.01		
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Doha Diamond League (Doha, QAT)										<i>Omega Timing (2022) - diamond league race analysis</i>	
date	13-May-22	time	6.3	11.5	16.9	22.72	22.72	7 / 4			
reaction time	0.168	interval		5.20	5.40	5.82	# of strides	11.50	11.22	0.28	
wind	1.3 m/s	velocity	7.94	9.62	9.26	8.59	8.80	100.0	8.70	8.91	
Chukwuma, Rosemary (NGR) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)										<i>Timing by Seiko (2022) - world athletics championships race analysis</i>	
date	19-Jul-22	time	11.48		22.72	22.72	2 / 7				
reaction time	0.204	interval			11.24		# of strides	11.48	11.24	0.24	
wind	2.0 m/s	velocity	8.71		8.90	8.80	101.5	8.71	8.90		
Joseph, Gémima (FRA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 Olympic Games (Paris, FRA)										<i>Paris 2024 Olympic Games - Results Book (2024)</i>	
date	04-Aug-24	time	6.28	11.49	16.92	22.72	22.72	5 / 2			
reaction time	0.151	interval		5.21	5.43	5.80	# of strides	11.49	11.23	0.26	
wind	1.4 m/s	velocity	7.96	9.60	9.21	8.62	8.80	98.0	8.70	8.90	
Adeleke, Rhasidat (IRL) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)										<i>Omega Timing (2025) - diamond league race analysis</i>	
date	03-May-25	time	6.39	11.59	17.02	22.72	22.72	5 / 2			
reaction time	0.175	interval		5.20	5.43	5.70	# of strides	11.59	11.13	0.46	
wind	0.5 m/s	velocity	7.82	9.62	9.21	8.77	8.80	91.2	8.63	8.98	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)										<i>Grand Slam Track (2025) - results and splits by race</i>	
date	04-May-25	time	6.60	11.77	17.07	22.72	22.72	5 / 5			
reaction time	0.270	interval		5.17	5.30	5.65	# of strides	11.77	10.95	0.82	
wind	1.1 m/s	velocity	7.58	9.67	9.43	8.85	8.80	93.7	8.50	9.13	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Weltklasse (Zürich, SUI)										<i>Omega Timing (2025) - diamond league race analysis</i>	
date	28-Aug-25	time	6.26	11.31	16.74	22.72	22.72	7 / 7			
reaction time	0.181	interval		5.05	5.43	5.98	# of strides	11.31	11.41	-0.10	

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

wind	-0.4 m/s	velocity	7.99	9.90	9.21	8.36	8.80		8.84	8.76	
Kasprzyk, Ewa (POL) (1957)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 1986 European Championships (Stuttgart, FRG)											
date	29-Jun-86	time	11.43	22.73	22.73	5 / 5					
reaction time	0.224	interval		11.30		# of strides		11.43	11.30	0.13	
wind	-0.8 m/s	velocity	8.75	8.85	8.80			8.75	8.85		
Gainsford-Taylor, Melinda (AUS) (197)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 1997 IAAF World Championships (Athens, GRE) <i>Ritzdorf (1997) - biomechanical research project at the VIth world championships in athletics</i>											
date	08-Aug-97	time	6.24	11.30	16.68	22.58	22.73	2 / 7			
reaction time	0.150	interval	5.06	5.38	5.90		# of strides	11.30	11.28	0.02	
wind	-0.7 m/s	velocity	8.01	9.88	9.29	8.47	8.80	94.2	8.85	8.87	
Gevaert, Kim (BEL) (1978)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Semi-Final 2 - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.38	11.50	16.93	22.73	22.73	/ 1			
reaction time	0.141	interval	5.12	5.43	5.80		# of strides	11.50	11.23	0.27	
wind	0.0 m/s	velocity	7.84	9.77	9.21	8.62	8.80	8.70	8.90		
Hurtis-Houairi, Muriel (FRA) (1979)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	22-Sep-07	time	6.40	11.43	16.85	22.73	22.73	5 / 1			
reaction time		interval	5.03	5.42	5.88		# of strides	11.43	11.30	0.13	
wind	0.5 m/s	velocity	7.81	9.94	9.23	8.50	8.80	8.75	8.85		
Duncan, Kimberlyn (USA) (1991)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Semi-Final 2 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time	11.35	16.72	22.55	22.73	4 / 2				
reaction time	0.183	interval		5.37	5.83		# of strides	11.35	11.20	0.15	
wind	-0.2 m/s	velocity	8.81	9.31	8.58	8.80	99.6	8.81	8.93		
Asher-Smith, Dina (GBR) (1995)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Semi-Final 3 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time	11.13	16.55	22.58	22.73	4 / 2				
reaction time	0.153	interval		5.42	6.03		# of strides	11.13	11.45	-0.32	
wind	-0.2 m/s	velocity	8.98	9.23	8.29	8.80	97.4	8.98	8.73		
Fotopoulou, Oliva (CYP) (1996)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>											
date	24-Aug-23	time	11.46	22.73	22.73	22.73	4 / 5				
reaction time	0.162	interval		11.27		# of strides		11.46	11.27	0.19	
wind	-0.1 m/s	velocity	8.73	8.87	8.80	99.0		8.73	8.87		
Koné, Maboundou (CIV) (1997)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>											
date	24-Aug-23	time	11.51	22.73	22.73	22.73	5 / 6				
reaction time	0.188	interval		11.22		# of strides		11.51	11.22	0.29	
wind	-0.1 m/s	velocity	8.69	8.91	8.80	99.2		8.69	8.91		
Davis, Tamari (USA) (2003)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 3 - 2025 USATF Championships (Eugene, OR) <i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.29	11.51	16.90	22.73	22.73	3 / 5			
reaction time		interval	5.22	5.39	5.83		# of strides	11.51	11.22	0.29	
wind	0.0 m/s	velocity	7.95	9.58	9.28	8.58	8.80	8.69	8.91		
Neita, Daryll (GBR) (1996)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2025 Athletissima (Lausanne, SUI) <i>Omega Timing (2025) - diamond league race analysis</i>											
date	20-Aug-25	time	6.23	11.29	16.80	22.73	22.73	3 / 7			
reaction time	0.153	interval	5.06	5.51	5.93		# of strides	11.29	11.44	-0.15	
wind	-0.5 m/s	velocity	8.03	9.88	9.07	8.43	8.80	91.5	8.86	8.74	
Szewinska, Irena (POL) (1946)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 1972 Olympic Games (Munich, FRG) <i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>											
date	09-Jul-72	time	11.66	17.02	22.74	22.74	5 / 3				
reaction time		interval		5.36	5.72		# of strides	11.66	11.08	0.58	

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DV=Drug Violation

wind	1.1 m/s	velocity	8.58	9.33	8.74	8.80	89.2	8.58	9.03		
Edwards, Debra (USA) (1954)											
FINAL	- 1976 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hymans (2008) - history of the US olympic trials - track and field</i>											
date	24-Jun-76	time		11.8		22.8	22.74	/ 3			
reaction time		interval				11.0		# of strides	11.80	11.00	0.80
wind	2.3 m/s	velocity	8.47			9.09	8.80		8.47	9.09	
Miller, Inger (USA) (1972)											
Heat 4	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	16-Jul-04	time	6.25	11.43	16.78	22.74	22.74	7 / 1			
reaction time		interval		5.18	5.35	5.96		# of strides	11.43	11.31	0.12
wind	-0.6 m/s	velocity	8.00	9.65	9.35	8.39	8.80	95.7	8.75	8.84	
Woods, Shareese (USA) (1985)											
FINAL	- 2007 NCAA Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	09-Jun-07	time		11.8		22.7	22.74	4 / 6			
reaction time		interval				10.90	PB	# of strides	11.80	10.90	0.90
wind	1.7 m/s	velocity	8.47			9.17	8.80	97.7	8.47	9.17	
Ferguson-McKenzie, Debbie (BAH) (1961)											
FINAL	- 2007 IAAF World Athletics Final (Stuttgart, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	22-Sep-07	time	6.29	11.44	16.89	22.74	22.74	4 / 2			
reaction time		interval		5.15	5.45	5.85		# of strides	11.44	11.30	0.14
wind	0.5 m/s	velocity	7.95	9.71	9.17	8.55	8.80		8.74	8.85	
Knight, Bianca (USA) (1986)											
Heat 2	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.35	11.50	16.85	22.74	22.74	5 / 1			
reaction time		interval		5.15	5.35	5.89		# of strides	11.50	11.24	0.26
wind	0.0 m/s	velocity	7.87	9.71	9.35	8.49	8.80		8.70	8.90	
Hooker, Marshevet (USA) (1984)											
Quarter-Final 3	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.57	11.69	16.93	22.74	22.74	5 / 1			
reaction time		interval		5.12	5.24	5.81		# of strides	11.69	11.05	0.64
wind	0.0 m/s	velocity	7.61	9.77	9.54	8.61	8.80		8.55	9.05	
Jones-Ferrette, LaVerne (ISV) (1981)											
Semi-Final 2	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	20-Aug-09	time	6.18	11.26	16.67	22.74	22.74	8 / 3			
reaction time	0.151	interval		5.08	5.41	6.07		# of strides	11.26	11.48	-0.22
wind	0.3 m/s	velocity	8.09	9.84	9.24	8.24	8.80	97.7	8.88	8.71	
Miller, Shaunae (BAH) (1994)											
FINAL	- 2013 IAAF World Championships (Moscow, RUS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2013) - world championships women</i>											
date	16-Aug-13	time		11.7		22.7	22.74	7 / 4			
reaction time	0.146	interval				11.00		# of strides	11.70	11.00	0.70
wind	-0.3 m/s	velocity	8.55			9.09	8.80	90.2	8.55	9.09	
Williams, Charonda (USA) (1987)											
FINAL	- 2015 USATF National Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2015) - USATF women's championships</i>											
date	28-Jun-14	time		11.5		22.7	22.74	/ 8			
reaction time		interval				11.20		# of strides	11.50	11.20	0.30
wind	0.4 m/s	velocity	8.70			8.93	8.80		8.70	8.93	
Brown, Brittany (USA) (1995)											
FINAL	- 2022 Prefontaine Classic (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	28-May-22	time	6.34	11.57	16.99	22.74	22.74	6 / 2			
reaction time	0.151	interval		5.23	5.42	5.75		# of strides	11.57	11.17	0.40
wind	1.3 m/s	velocity	7.89	9.56	9.23	8.70	8.80	99.0	8.64	8.95	
Suarez, Gabriela Anahi (ECU) (2001)											
Semi-Final 3	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	19-Jul-22	time		11.39		22.74	22.74	3 / 4			
reaction time	0.142	interval				11.35	NR PB	# of strides	11.39	11.35	0.04

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DV=Drug Violation

wind	-0.1 m/s	velocity	8.78	8.81	8.80	99.7	8.78	8.81	
Jiya, Tasa (NED) (1997)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 3 - 2024 Olympic Games (Paris, FRA)									
<i>Paris 2024 Olympic Games - Results Book (2024)</i>									
date	04-Aug-24	time	6.46	11.60	16.98	22.74	22.74	9 / 2	
reaction time	0.160	interval		5.14	5.38	5.76		# of strides	11.60 11.14 0.46
wind	0.0 m/s	velocity	7.74	9.73	9.29	8.68	8.80	94.0	8.62 8.98
Henriksson, Julia (SWE) (2000)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP)									
<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>									
date	29-Jun-25	time	6.37	11.55	16.88	22.74	22.74	7 / 6	
reaction time	0.147	interval		5.18	5.33	5.86		# of strides	11.55 11.19 0.36
wind	0.8 m/s	velocity	7.85	9.65	9.38	8.53	8.80	98.0	8.66 8.94
Eduan, Success (GBR) (2004)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 European Athletics U23 Championships (Bergen, NOR)									
<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>									
date	19-Jul-25	time	6.32	11.37	16.73	22.74	22.74	7 / 1	
reaction time	0.151	interval		5.05	5.36	6.01		# of strides	11.37 11.37 0.00
wind	-0.7 m/s	velocity	7.91	9.90	9.33	8.32	8.80	96.0	8.80 8.80
Vervae, Imke (BEL) (1993)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 5 - 2025 World Athletics Championships (Tokyo, JPN)									
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>									
date	17-Sep-25	time		11.64		22.74	22.74	6 / 3	
reaction time	0.158	interval				11.10		# of strides	11.64 11.10 0.54
wind	0.0 m/s	velocity		8.59		9.01	8.80	99.0	8.59 9.01
Bestué, Jaël (ESP) (2000)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 6 - 2025 World Athletics Championships (Tokyo, JPN)									
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>									
date	17-Sep-25	time		11.43		22.74	22.74	5 / 3	
reaction time	0.170	interval				11.31		# of strides	11.43 11.31 0.12
wind	0.0 m/s	velocity		8.75		8.84	8.80	97.0	8.75 8.84
Long, McKenzie (USA) (2000)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 Athlos (Randalls Island, NY)									
<i>Athlos and Karmarush (2025). Athlos results and race analysis</i>									
date	10-Oct-25	time	6.41	11.42	16.82	22.74	22.74	8 / 4	
reaction time		interval		5.01	5.40	5.92		# of strides	11.42 11.32 0.10
wind	1.9 m/s	velocity	7.80	9.98	9.26	8.45	8.80	100.7	8.76 8.83
Streidt, Ellen (GDR) (1952)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1972 Olympic Games (Munich, FRG)									
<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>									
date	09-Jul-72	time		11.64		17.04	22.75	3 / 4	
reaction time		interval			5.40	5.71		# of strides	11.64 11.11 0.53
wind	1.1 m/s	velocity		8.59	9.26	8.76	8.79	102.2	8.59 9.00
Levorato, Manuela (ITA) (1977)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2002 European Championships (Munich, GER)									
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>									
date	09-Aug-02	time	6.39	11.55	16.92	22.75	22.75	5 / 3	
reaction time	0.145	interval		5.16	5.37	5.83		# of strides	11.55 11.20 0.35
wind	-0.3 m/s	velocity	7.82	9.69	9.31	8.58	8.79		8.66 8.93
Durst, Stephanie (USA) (1982)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 3 - 2004 USA Olympic Trials (Sacramento, CA)									
<i>USATF Women's Sprint Development (2004)</i>									
date	16-Jul-04	time	6.29	11.51	16.90	22.75	22.75	6 / 2	
reaction time		interval		5.22	5.39	5.85		# of strides	11.51 11.24 0.27
wind	-0.1 m/s	velocity	7.95	9.58	9.28	8.55	8.79	97.0	8.69 8.90
Gushchina, Yuliya (RUS) (1983)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2005 IAAF World Championships (Helsinki, FIN)									
<i>Track Newsletter (2005) - World championships- women</i>									
date	12-Aug-05	time		11.4		22.8	22.75	8 / 6	
reaction time	0.166	interval				11.40		# of strides	11.40 11.40 0.00
wind	0.2 m/s	velocity		8.77		8.77	8.79	90.2	8.77 8.77
Williams, Jodie (GBR) (1993)									
50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Athletissima (Lausanne, SUI)									
<i>Omega Timing (2019) - diamond league race analysis</i>									
date	05-Jul-19	time	6.4	11.5	16.9	22.75	22.75	4 / 2	
reaction time	0.142	interval		5.1	5.4	5.85		# of strides	11.50 11.25 0.25

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	7.81	9.80	9.26	8.55	8.79	95.2	8.70	8.89	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Herculis Meeting International d'Athlisme (Monaco, MON)			Omega Timing (2021) - diamond league race analysis								
date	09-Jul-21	time	6.2	11.4	16.9	22.75	22.75	3 / 4			
reaction time	0.128	interval		5.20	5.50	5.85		# of strides	11.40	11.35	0.05
wind	0.7 m/s	velocity	8.06	9.62	9.09	8.55	8.79	101.0	8.77	8.81	
Kaddari, Dalia (ITA) (2001)			50m	100m	150m	200m	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		11.60		22.75	22.75	4 / 3			
reaction time	0.143	interval				11.15		# of strides	11.60	11.15	0.45
wind	2.5 m/s	velocity		8.62		8.97	8.79	97.0	8.62	8.97	
Kaddari, Dalia (ITA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)			Seiko Timing (2023) - world championship race analysis								
date	24-Aug-23	time		11.61		22.75	22.75	2 / ~~7~~ 6			
reaction time	0.151	interval				11.14		# of strides	11.61	11.14	0.47
wind	-0.1 m/s	velocity		8.61		8.98	8.79	97.0	8.61	8.98	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.31	11.38	16.84	22.75	22.75	3 / 3			
reaction time	0.153	interval		5.07	5.46	5.91		# of strides	11.38	11.37	0.01
wind	0.0 m/s	velocity	7.92	9.86	9.16	8.46	8.79	101.7	8.79	8.80	
Ta Lou-Smith, Marie-Josée (CIV) (198)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Golden Gala Pietro Mennea (Roma, ITA)			Omega Timing (2025) - diamond league race analysis								
date	06-Jun-25	time	6.24	11.28	16.66	22.75	22.75	7 / 3			
reaction time	0.184	interval		5.04	5.38	6.09		# of strides	11.28	11.47	-0.19
wind	0.8 m/s	velocity	8.01	9.92	9.29	8.21	8.79	100.0	8.87	8.72	
Boyd, Denise (AUS) (1952)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1980 Olympic Games (Moscow, URS)			Брейзер (1984) - соревновательная деятельность спринтеров								
date	30-Jul-80	time		11.66	17.05	22.76	22.76	4 / 7			
reaction time	0.144	interval			5.39	5.71		# of strides	11.66	11.10	0.56
wind	1.4 m/s	velocity		8.58	9.28	8.76	8.79		8.58	9.01	
Mondie-Milner, Celena (USA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 USATF National Championships (Sacramento, CA)			USATF Women's Sprint Development (1995)								
date	18-Jun-95	time	6.31	11.61	16.96	22.76	22.76	4 / 3			
reaction time		interval		5.30	5.35	5.80		# of strides	11.61	11.15	0.46
wind	2.3 m/s	velocity	7.92	9.43	9.35	8.62	8.79	100.0	8.61	8.97	
Colander, LaTasha (USA) (1976)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 USA Olympic Trials (Sacramento, CA)			Track Newsletter (2000) - US olympic trials								
date	23-Jul-00	time		11.8		22.8	22.76	2 / 5			
reaction time		interval				11.0		# of strides	11.80	11.00	0.80
wind	0.5 m/s	velocity		8.47		9.09	8.79		8.47	9.09	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	19-Aug-09	time	6.37	11.44	16.82	22.76	22.76	7 / 1			
reaction time	0.163	interval		5.07	5.38	5.94		# of strides	11.44	11.32	0.12
wind	0.1 m/s	velocity	7.85	9.86	9.29	8.42	8.79	93.0	8.74	8.83	
Brown, Aaliyah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 NCAA Championships (Eugene, OR)			Track Newsletter (2015) - NCAA women's championships								
date	13-Jun-15	time		11.7		22.8	22.76	/ 6			
reaction time		interval				11.10	PB	# of strides	11.70	11.10	0.60
wind	1.9 m/s	velocity		8.55		9.01	8.79		8.55	9.01	
Annelus, Angie (USA) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 NCAA Championships (Eugene, OR)			Track Newsletter (2018) - NCAA women's championships								
date	09-Jun-18	time		11.6		22.8	22.76	/ 1			
reaction time		interval				11.20		# of strides	11.60	11.20	0.40

wind	-2.3 m/s	velocity	8.62	8.93	8.79	8.62	8.93				
Strachan, Anthonique (BAH) (1993)											
FINAL - 2022 Prefontaine Classic (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2022) - diamond league race analysis											
date	28-May-22	time	6.33	11.52	16.98	22.76	22.76	8 / 3			
reaction time	0.146	interval		5.19	5.46	5.78		# of strides	11.52	11.24	0.28
wind	1.3 m/s	velocity	7.90	9.63	9.16	8.65	8.79	89.6	8.68	8.90	
Prandini, Jenna (USA) (1992)											
FINAL - 2023 Meeting de Paris (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2023) - diamond league race analysis											
date	09-Jun-23	time	6.26	11.33	16.74	22.76	22.76	3 / 6			
reaction time	0.187	interval		5.07	5.41	6.02		# of strides	11.33	11.43	-0.10
wind	-0.4 m/s	velocity	7.99	9.86	9.24	8.31	8.79	97.0	8.83	8.75	
Takács, Boglárka (HUN) (2001)											
FINAL - 2024 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2024) - diamond league race analysis											
date	22-Aug-24	time	6.40	11.51	16.88	22.76	22.76	7 / 1			
reaction time	0.154	interval		5.11	5.37	5.88		# of strides	11.51	11.25	0.26
wind	0.9 m/s	velocity	7.81	9.78	9.31	8.50	8.79		8.69	8.89	
Whittaker, Isabella (USA) (2002)											
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Grand Slam Track (2025) - results and splits by race											
date	04-May-25	time	6.49	11.79	17.21	22.76	22.76	3 / 3			
reaction time	0.170	interval		5.30	5.42	5.55	PB	# of strides	11.79	10.97	0.82
wind	1.0 m/s	velocity	7.70	9.43	9.23	9.01	8.79	95.5	8.48	9.12	
Lückenkemper, Gina (GER) (1996)											
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Grand Slam Track (2025) - results and splits by race											
date	15-Jun-25	time	6.36	11.64	16.94	22.76	22.76	4 / 3			
reaction time	0.201	interval		5.28	5.30	5.82		# of strides	11.64	11.12	0.52
wind	2.2 m/s	velocity	7.86	9.47	9.43	8.59	8.79		8.59	8.99	
Davies, Thelma (LBR) (2000)											
Heat 2 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2025) - 2025 World Championships race analysis											
date	17-Sep-25	time		11.44		22.76	22.76	6 / 2			
reaction time	0.167	interval				11.32		# of strides	11.44	11.32	0.12
wind	-0.3 m/s	velocity		8.74		8.83	8.79	96.0	8.74	8.83	
Burkett, Aspen (USA) (1976)											
FINAL - 1995 USATF National Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (1995)											
date	18-Jun-95	time	6.37	11.68	17.06	22.77	22.77	6 / 4			
reaction time		interval		5.31	5.38	5.71		# of strides	11.68	11.09	0.59
wind	2.3 m/s	velocity	7.85	9.42	9.29	8.76	8.78	99.5	8.56	9.02	
Miller, Inger (USA) (1972)											
FINAL - 2003 USATF National Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2003)											
date	22-Jun-03	time	6.46	11.60	16.95	22.77	22.77	3 / ~~5~~ 4			
reaction time		interval		5.14	5.35	5.82		# of strides	11.60	11.17	0.43
wind	0.0 m/s	velocity	7.74	9.73	9.35	8.59	8.78		8.62	8.95	
Moore, Connie (USA) (1981)											
Semi-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2004)											
date	17-Jul-04	time	6.49	11.55	16.94	22.77	22.77	7 / 2			
reaction time		interval		5.06	5.39	5.83		# of strides	11.55	11.22	0.33
wind	-1.1 m/s	velocity	7.70	9.88	9.28	8.58	8.78	102.7	8.66	8.91	
Floyd, Ebonie (USA) (1983)											
FINAL - 2006 USATF National Championships (Indianapolis, IN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2006)											
date	25-Jun-06	time	6.50	11.66	17.10	22.77	22.77	4 / 4			
reaction time		interval		5.16	5.44	5.67		# of strides	11.66	11.11	0.55
wind	0.3 m/s	velocity	7.69	9.69	9.19	8.82	8.78		8.58	9.00	
Barber, Mikele (USA) (1980)											
FINAL - 2007 USATF National Championships (Indianapolis, IN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Track Newsletter (2005) - World championships- women											
date	24-Jun-07	time		11.7		22.8	22.77	3 / 6			
reaction time		interval				11.10		# of strides	11.70	11.10	0.60

wind	0.4 m/s	velocity	8.55	9.01	8.78	101.0	8.55	9.01		
Prandini, Jenna (USA) (1992)										
FINAL - 2022 Prefontaine Classic (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2022) - diamond league race analysis										
date	28-May-22	time	6.24	11.29	16.73	22.77	22.77	7 / 4		
reaction time	0.170	interval		5.05	5.44	6.04	# of strides	11.29	11.48	-0.19
wind	1.3 m/s	velocity	8.01	9.90	9.19	8.28	8.78	99.0	8.86	8.71
Clark, Tamara (USA) (1999)										
FINAL - 2022 Prefontaine Classic (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2022) - diamond league race analysis										
date	28-May-22	time	6.21	11.42	16.87	22.77	22.77	2 / 5		
reaction time	0.140	interval		5.21	5.45	5.90	# of strides	11.42	11.35	0.07
wind	1.3 m/s	velocity	8.05	9.60	9.17	8.47	8.78	102.5	8.76	8.81
Williams, Bianca (GBR) (1993)										
Heat 5 - 2024 Olympic Games (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Paris 2024 Olympic Games - Results Book (2024)										
date	04-Aug-24	time	6.45	11.66	17.05	22.77	22.77	3 / 3		
reaction time	0.183	interval		5.21	5.39	5.72	# of strides	11.66	11.11	0.55
wind	0.2 m/s	velocity	7.75	9.60	9.28	8.74	8.78	100.0	8.58	9.00
Thomas, Lanae-Tava (JAM) (2001)										
Semi-Final 3 - 2024 Olympic Games (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Paris 2024 Olympic Games - Results Book (2024)										
date	05-Aug-24	time	6.23	11.39	16.83	22.77	22.77	9 / 5		
reaction time	0.157	interval		5.16	5.44	5.94	# of strides	11.39	11.38	0.01
wind	0.1 m/s	velocity	8.03	9.69	9.19	8.42	8.78	96.0	8.78	8.79
Pryce, Nickisha (JAM) (2001)										
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Grand Slam Track (2025) - results and splits by race										
date	04-May-25	time	6.36	11.63	17.01	22.77	22.77	7 / 4		
reaction time	0.230	interval		5.27	5.38	5.76	# of strides	11.63	11.14	0.49
wind	1.0 m/s	velocity	7.86	9.49	9.29	8.68	8.78	92.5	8.60	8.98
Brown, Brittany (USA) (1995)										
FINAL - 2025 Meeting de Paris (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2025) - diamond league race analysis										
date	20-Jun-25	time	6.26	11.36	16.80	22.77	22.77	6 / 5		
reaction time	0.176	interval		5.10	5.44	5.97	# of strides	11.36	11.41	-0.05
wind	0.9 m/s	velocity	7.99	9.80	9.19	8.38	8.78	98.0	8.80	8.76
Bestué, Jaël (ESP) (2000)										
FINAL - 2025 Kamila Skolimowska Memorial (Chorzów, POL)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Omega Timing (2025) - diamond league race analysis										
date	16-Aug-25	time	6.35	11.50	16.92	22.77	22.77	3 / 6		
reaction time	0.148	interval		5.15	5.42	5.85	# of strides	11.50	11.27	0.23
wind	-2.0 m/s	velocity	7.87	9.71	9.23	8.55	8.78	100.0	8.70	8.87
Neita, Daryll (GBR) (1996)										
Semi-Final 3 - 2025 World Athletics Championships (Tokyo, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Seiko Timing (2025) - 2025 World Championships race analysis										
date	18-Sep-25	time		11.38		22.77	22.77	9 / 4		
reaction time	0.179	interval				11.39	# of strides	11.38	11.39	-0.01
wind	-0.3 m/s	velocity		8.79		8.78	8.78	92.0	8.79	8.78
Bacoul, Rose-Aimée (FRA) (1952)										
FINAL - 1984 Olympic Games (Los Angeles, CA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Vogel (1984) - olympische spiele in los angeles										
date	09-Aug-84	time		11.48		22.78	22.78	6 / 7		
reaction time	0.256	interval				11.30	# of strides	11.48	11.30	0.18
wind	0.1 m/s	velocity		8.71		8.85	8.78	8.71	8.85	
Félix, Sylviane (FRA) (1977)										
Semi-Final 2 - 2002 European Championships (Munich, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Graubner (2009) - http://www.fgs.uni-halle.de										
date	09-Aug-02	time	6.48	11.69	17.04	22.78	22.78	/ 2		
reaction time	0.172	interval		5.21	5.35	5.74	# of strides	11.69	11.09	0.60
wind	0.0 m/s	velocity	7.72	9.60	9.35	8.71	8.78	8.55	9.02	
Baptiste, Kelly-Ann (TTO) (1986)										
FINAL - 2006 NCAA Championships (Sacramento, CA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Track Newsletter (2005) - NCAA women's championships										
date	10-Jun-06	time		11.8		22.8	22.78	7 / 3		
reaction time		interval				11.00	# of strides	11.80	11.00	0.80

wind	0.8 m/s	velocity	8.47	9.09	8.78	100.2	8.47	9.09			
Moore, LaShaunte'a (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)			Graubner (2007) - http://www.fgs.uni-halle.de								
date	22-Sep-07	time	6.40	11.52	16.93	22.78	22.78	3 / 3			
reaction time		interval		5.12	5.41	5.85		# of strides	11.52	11.26	0.26
wind	0.5 m/s	velocity	7.81	9.77	9.24	8.55	8.78		8.68	8.88	
Tarmoh, Jeneba (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 IAAF World Championships (Moscow, RUS)			Track Newsletter (2013) - world championships women								
date	16-Aug-13	time		11.5		22.8	22.78	1 / 5			
reaction time	0.161	interval				11.30		# of strides	11.50	11.30	0.20
wind	-0.3 m/s	velocity		8.70		8.85	8.78	94.5	8.70	8.85	
van Hunenstijn, Marije (NED) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Athletissima (Lausanne, SUI)			Omega Timing (2021) - diamond league race analysis								
date	26-Aug-21	time	6.5	11.8	17.1	22.78	22.78	4 / 1			
reaction time	0.162	interval		5.30	5.30	5.68		# of strides	11.80	10.98	0.82
wind	2.5 m/s	velocity	7.69	9.43	9.43	8.80	8.78	93.7	8.47	9.11	
Strachan, Anthonique (BAH) (1993)			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	6.4	11.6	16.9	22.78	22.78	3 / 5			
reaction time	0.123	interval		5.20	5.30	5.88		# of strides	11.60	11.18	0.42
wind	1.3 m/s	velocity	7.81	9.62	9.43	8.50	8.78	89.5	8.62	8.94	
Bass, Gina (GAM) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	18-Jul-22	time		11.53		22.78	22.78	5 / 4			
reaction time	0.151	interval				11.25		# of strides	11.53	11.25	0.28
wind	0.4 m/s	velocity		8.67		8.89	8.78	102.2	8.67	8.89	
Gbai, Jessika (CIV) (1998)			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		11.82		22.78	22.78	5 / 3			
reaction time	0.198	interval				10.96		# of strides	11.82	10.96	0.86
wind	-0.4 m/s	velocity		8.46		9.12	8.78	91.0	8.46	9.12	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Weltklasse (Zürich, SUI)			Omega Timing (2023) - diamond league race analysis								
date	31-Aug-23	time	6.35	11.42	16.85	22.78	22.78	1 / 7			
reaction time	0.176	interval		5.07	5.43	5.93		# of strides	11.42	11.36	0.06
wind	-0.8 m/s	velocity	7.87	9.86	9.21	8.43	8.78	97.2	8.76	8.80	
Madogo, Jacqueline (CAN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.53	11.71	17.07	22.78	22.78	8 / 4			
reaction time	0.157	interval		5.18	5.36	5.71	PB	# of strides	11.71	11.07	0.64
wind	0.0 m/s	velocity	7.66	9.65	9.33	8.76	8.78	93.5	8.54	9.03	
Jäger, Henriette (NOR) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 European Athletics U23 Championships (Bergen, NOR)			European Athletics (2025) - 2025 euro athletics U23 champs- results book								
date	19-Jul-25	time	6.31	11.48	16.82	22.78	22.78	6 / 2			
reaction time	0.111	interval		5.17	5.34	5.96		# of strides	11.48	11.30	0.18
wind	-0.7 m/s	velocity	7.92	9.67	9.36	8.39	8.78	96.0	8.71	8.85	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Kamila Skolimowska Memorial (Chorzów, POL)			Omega Timing (2025) - diamond league race analysis								
date	16-Aug-25	time	6.35	11.43	16.81	22.78	22.78	9 / 7			
reaction time	0.186	interval		5.08	5.38	5.97		# of strides	11.43	11.35	0.08
wind	-2.0 m/s	velocity	7.87	9.84	9.29	8.38	8.78	95.2	8.75	8.81	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	19-Sep-25	time		11.45		22.78	22.78	2 / 8			
reaction time	0.197	interval				11.33		# of strides	11.45	11.33	0.12

wind	-0.1 m/s	velocity	8.73	8.83	8.78	102.5	8.73	8.83	
Brown, Aaliyah (USA) (1995)									
FINAL	- 2017 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	10-Jun-17	time		11.6		22.8	22.79	7 / 4	Track Newsletter (2017) - NCAA women's championships
reaction time		interval				11.20		# of strides	11.60 11.20 0.40
wind	1.1 m/s	velocity		8.62		8.93	8.78	93.0	8.62 8.93
Bryant, Dezerea (USA) (1993)									
FINAL	- 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	09-Jul-21	time	6.3	11.5	16.9	22.79	22.79	2 / 5	Omega Timing (2021) - diamond league race analysis
reaction time	0.148	interval		5.20	5.40	5.89		# of strides	11.50 11.29 0.21
wind	0.7 m/s	velocity	7.94	9.62	9.26	8.49	8.78	103.0	8.70 8.86
Pereira, Shanti Veronica (SGP) (1996)									
Semi-Final 3	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	24-Aug-23	time		11.62		22.79	22.79	9 / 6	Seiko Timing (2023) - world championship race analysis
reaction time	0.174	interval				11.17		# of strides	11.62 11.17 0.45
wind	-0.2 m/s	velocity		8.61		8.95	8.78	98.0	8.61 8.95
Koné, Maboundou (CIV) (1997)									
FINAL	- 2023 Memorial van Damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	08-Sep-23	time	6.31	11.46	16.94	22.79	22.79	3 / 5	Omega Timing (2023) - diamond league race analysis
reaction time	0.182	interval		5.15	5.48	5.85		# of strides	11.46 11.33 0.13
wind	0.2 m/s	velocity	7.92	9.71	9.12	8.55	8.78	99.7	8.73 8.83
Henriksson, Julia (SWE) (2000)									
Heat 1	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Aug-24	time	6.40	11.60	16.94	22.79	22.79	6 / 3	Paris 2024 Olympic Games - Results Book (2024)
reaction time	0.144	interval		5.20	5.34	5.85	NR PB	# of strides	11.60 11.19 0.41
wind	1.4 m/s	velocity	7.81	9.62	9.36	8.55	8.78	97.5	8.62 8.94
Jackson, Shericka (JAM) (1994)									
FINAL	- 2025 Xiamen Diamond League (Xiamen, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	26-Apr-25	time	6.38	11.52	16.91	22.79	22.79	6 / 2	Omega Timing (2025) - diamond league race analysis
reaction time	0.160	interval		5.14	5.39	5.88		# of strides	11.52 11.27 0.25
wind	0.4 m/s	velocity	7.84	9.73	9.28	8.50	8.78	97.5	8.68 8.87
Vervaet, Imke (BEL) (1993)									
Semi-Final 2	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	18-Sep-25	time		11.61		22.79	22.79	9 / 6	Seiko Timing (2025) - 2025 World Championships race analysis
reaction time	0.157	interval				11.18		# of strides	11.61 11.18 0.43
wind	0.1 m/s	velocity		8.61		8.94	8.78	99.0	8.61 8.94
Lannaman, Sonia (GBR) (1956)									
FINAL	- 1980 Olympic Games (Moscow, URS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	30-Jul-80	time	11.81	17.16	22.80	22.80	22.80	2 / 8	Veney - 200m women from PJ
reaction time	0.154	interval		5.35	5.64	5.64		# of strides	11.81 10.99 0.82
wind	1.4 m/s	velocity	8.47	9.35	8.87	8.77	8.77		8.47 9.10
Collins, Michelle (USA) (1971)									
FINAL	- 2000 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	23-Jul-00	time		11.6		22.8	22.80	4 / 6	Track Newsletter (2000) - US olympic trials
reaction time		interval				11.2		# of strides	11.60 11.20 0.40
wind	0.5 m/s	velocity		8.62		8.93	8.77		8.62 8.93
Ferguson, Debbie (BAH) (1976)									
FINAL	- 2001 Goodwill Games (Brisbane, AUS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	05-Sep-01	time		11.4		22.8	22.80	/ 1	Butler (2013) - IAAF world championships statistics handbook- moscow 2013
reaction time		interval				11.4		# of strides	11.40 11.40 0.00
wind	-1.8 m/s	velocity		8.77		8.77	8.77		8.77 8.77
Mothersill, Cydonie (CAY) (1978)									
Semi-Final 2	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	20-Aug-09	time	6.46	11.54	16.95	22.80	22.80	4 / 4	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships
reaction time	0.202	interval		5.08	5.41	5.85		# of strides	11.54 11.26 0.28

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

wind	0.3 m/s	velocity	7.74	9.84	9.24	8.55	8.77	99.0	8.67	8.88	
Facey, Simone (JAM) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	21-Aug-09	time	6.27	11.39	16.80	22.80	22.80	7 / 6			
reaction time	0.163	interval		5.12	5.41	6.00		# of strides	11.39	11.41	-0.02
wind	-0.1 m/s	velocity	7.97	9.77	9.24	8.33	8.77	98.0	8.78	8.76	
Townsend, Tiffany (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	10-Jul-16	time		11.6		22.8	22.80	2 / 7			
reaction time	0.230	interval				11.20		# of strides	11.60	11.20	0.40
wind	-0.6 m/s	velocity		8.62		8.93	8.77	97.7	8.62	8.93	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	09-Jun-22	time	6.26	11.43	16.88	22.80	22.80	3 / 6			
reaction time	0.147	interval		5.17	5.45	5.92		# of strides	11.43	11.37	0.06
wind	1.3 m/s	velocity	7.99	9.67	9.17	8.45	8.77	101.0	8.75	8.80	
Mboma, Christine (NAM) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Commonwealth Games (Birmingham, GBR)			<i>Longines Timing (2022) - commonwealth games race analysis</i>								
date	06-Aug-22	time	6.3	11.6	17.0	22.80	22.80	4 / 3			
reaction time	0.156	interval		5.30	5.40	5.80		# of strides	11.60	11.20	0.40
wind	0.6 m/s	velocity	7.94	9.43	9.26	8.62	8.77	97.0	8.62	8.93	
Karstoft, Ida (DEN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	06-Aug-22	time	6.45	11.61	16.99	22.80	22.80	2 / 5			
reaction time	0.154	interval		5.16	5.38	5.81		# of strides	11.61	11.19	0.42
wind	0.2 m/s	velocity	7.75	9.69	9.29	8.61	8.77	90.2	8.61	8.94	
Karstoft, Ida (DEN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Weltklasse (Zürich, SUI)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	08-Sep-22	time	6.48	11.64	17.06	22.80	22.80	2 / 7			
reaction time	0.169	interval		5.16	5.42	5.74		# of strides	11.64	11.16	0.48
wind	-0.9 m/s	velocity	7.72	9.69	9.23	8.71	8.77	89.7	8.59	8.96	
Mays, Jadyn (USA) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	31-May-25	time	6.29	11.45	16.92	22.80	22.80	3 / 5			
reaction time	0.170	interval		5.16	5.47	5.88		# of strides	11.45	11.35	0.10
wind	1.1 m/s	velocity	7.95	9.69	9.14	8.50	8.77	100.5	8.73	8.81	
Bestué, Jaël (ESP) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	18-Sep-25	time		11.39		22.80	22.80	9 / 6			
reaction time	0.184	interval				11.41		# of strides	11.39	11.41	-0.02
wind	-0.1 m/s	velocity		8.78		8.76	8.77	102.0	8.78	8.76	
Félix, Sylviane (FRA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 IAAF World Championships (Athens, GRE)			<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics</i>								
date	08-Aug-97	time	6.37	11.57	16.93	22.65	22.81	8 / 8			
reaction time	0.157	interval		5.20	5.36	5.72		# of strides	11.57	11.08	0.49
wind	-0.7 m/s	velocity	7.85	9.62	9.33	8.74	8.77		8.64	9.03	
Knight, Bianca (USA) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	05-Jul-08	time	6.26	11.54	16.83	22.81	22.81	6 / 1			
reaction time		interval		5.28	5.29	5.98		# of strides	11.54	11.27	0.27
wind	-1.3 m/s	velocity	7.99	9.47	9.45	8.36	8.77		8.67	8.87	
Williams, Charonda (USA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	6.46	11.57	17.01	22.81	22.81	3 / 5			
reaction time	0.194	interval		5.11	5.44	5.80		# of strides	11.57	11.24	0.33

wind	0.3 m/s	velocity	7.74	9.78	9.19	8.62	8.77	99.0	8.64	8.90	
Williams, Charonda (USA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 IAAF World Championships (Moscow, RUS)			Track Newsletter (2013) - world championships women								
date	16-Aug-13	time		11.6		22.8	22.81	2 / 6			
reaction time	0.155	interval				11.20		# of strides	11.60	11.20	0.40
wind	-0.3 m/s	velocity		8.62		8.93	8.77	96.2	8.62	8.93	
Strachan, Anthonique (BAH) (1993)			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	6.5	11.7	17.1	22.81	22.81	3 / 3			
reaction time	0.147	interval		5.2	5.4	5.71		# of strides	11.70	11.11	0.59
wind	1.0 m/s	velocity	7.69	9.62	9.26	8.76	8.77	86.7	8.55	9.00	
Schippers, Dafne (NED) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)			Omega Timing (2019) - diamond league race analysis								
date	18-Aug-19	time	6.4	11.5	16.9	22.81	22.81	7 / 4			
reaction time	0.173	interval		5.1	5.4	5.91		# of strides	11.50	11.31	0.19
wind	0.4 m/s	velocity	7.81	9.80	9.26	8.46	8.77	94.5	8.70	8.84	
Jiya, Tasa (NED) (1997)			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	05-Aug-24	time	6.29	11.47	16.93	22.81	22.81	9 / 6			
reaction time	0.150	interval		5.18	5.46	5.88		# of strides	11.47	11.34	0.13
wind	0.2 m/s	velocity	7.95	9.65	9.16	8.50	8.77	94.0	8.72	8.82	
Madogo, Jacqueline (CAN) (2000)			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	05-Aug-24	time	6.45	11.66	17.05	22.81	22.81	3 / 7			
reaction time	0.161	interval		5.21	5.39	5.76		# of strides	11.66	11.15	0.51
wind	0.2 m/s	velocity	7.75	9.60	9.28	8.68	8.77	93.5	8.58	8.97	
Ta Lou-Smith, Marie-Josée (CIV) (198			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	6.35	11.49	16.85	22.81	22.81	4 / ~~4~~			
reaction time	0.166	interval		5.14	5.36	5.96	DQ	# of strides	11.49	11.32	0.17
wind	0.2 m/s	velocity	7.87	9.73	9.33	8.39	8.77	97.0	8.70	8.83	
Long, McKenzie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Golden Gala Pietro Mennea (Roma, ITA)			Omega Timing (2025) - diamond league race analysis								
date	06-Jun-25	time	6.25	11.39	16.82	22.81	22.81	5 / 4			
reaction time	0.154	interval		5.14	5.43	5.99		# of strides	11.39	11.42	-0.03
wind	0.8 m/s	velocity	8.00	9.73	9.21	8.35	8.77	102.0	8.78	8.76	
Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Meeting de Paris (Paris, FRA)			Omega Timing (2025) - diamond league race analysis								
date	20-Jun-25	time	6.12	11.22	16.69	22.81	22.81	4 / 6			
reaction time	0.177	interval		5.10	5.47	6.12		# of strides	11.22	11.59	-0.37
wind	0.9 m/s	velocity	8.17	9.80	9.14	8.17	8.77	96.7	8.91	8.63	
Kelley, Tiriah (USA) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 USATF Championships (Eugene, OR)			USATF and Karmarush (2025) - USATF championships results and race analysis								
date	03-Aug-25	time	6.36	11.49	16.89	22.81	22.81	9 / 6			
reaction time		interval		5.13	5.40	5.92		# of strides	11.49	11.32	0.17
wind	0.0 m/s	velocity	7.86	9.75	9.26	8.45	8.77		8.70	8.83	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.50		22.81	22.81	5 / 3			
reaction time	0.163	interval				11.31		# of strides	11.50	11.31	0.19
wind	-0.3 m/s	velocity		8.70		8.84	8.77	94.0	8.70	8.84	
Junk, Sophia (GER) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.55		22.81	22.81	5 / 3			
reaction time	0.164	interval				11.26		# of strides	11.55	11.26	0.29

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	8.66	8.88	8.77	98.0	8.66	8.88	
Onyali, Mary (NGR) (1968)									
FINAL	- 1989 IAAF World Cup (Canberra, AUS)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	08-Sep-89	time	11.56	17.00	22.82	22.82	/ 2		Pascua (1990) - atletismo (I) carreras y marcha
reaction time	0.253	interval		5.44	5.82		# of strides	11.56	11.26 0.30
wind	0.2 m/s	velocity	8.65	9.19	8.59	8.76		8.65	8.88
Woods, Shareese (USA) (1985)									
FINAL	- 2007 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	24-Jun-07	time	11.8		22.8	22.82	8 / 7		Track Newsletter (2005) - World championships- women
reaction time		interval			11.00		# of strides	11.80	11.00 0.80
wind	0.4 m/s	velocity	8.47		9.09	8.76	98.0	8.47	9.09
Whitney, Kaylin (USA) (1998)									
FINAL	- 2014 IAAF World Junior Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	25-Jul-14	time	11.5		22.8	22.82	3 / 1		Track Newsletter (2014) - World Junior championships women
reaction time	0.182	interval			11.30		# of strides	11.50	11.30 0.20
wind	2.4 m/s	velocity	8.70		8.85	8.76		8.70	8.85
Clark, Tamara (USA) (1999)									
FINAL	- 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	06-Aug-22	time	6.28	11.43	16.86	22.82	4 / 6		Omega Timing (2022) - diamond league race analysis
reaction time	0.165	interval		5.15	5.43	5.96	# of strides	11.43	11.39 0.04
wind	0.2 m/s	velocity	7.96	9.71	9.21	8.39	102.2	8.75	8.78
Hodge, Adaejah (IVB) (2006)									
Heat 3	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	23-Aug-23	time	11.66		22.82	22.82	6 / 4		Seiko Timing (2023) - world championship race analysis
reaction time	0.151	interval			11.16		# of strides	11.66	11.16 0.50
wind	-0.4 m/s	velocity	8.58		8.96	8.76	101.0	8.58	8.96
Clark, Tamara (USA) (1999)									
Heat 3	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	27-Jun-24	time	6.02	11.37	16.71	22.82	9 / 3		USATF and Karmarush (2024) - USA Olympic trials results and race analysis
reaction time		interval		5.35	5.34	6.11	# of strides	11.37	11.45 -0.08
wind	0.2 m/s	velocity	8.31	9.35	9.36	8.18	100.0	8.80	8.73
Whittaker, Isabella (USA) (2002)									
Long Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	01-Jun-25	time	6.49	11.77	17.25	22.82	3 / 2		Grand Slam Track (2025) - results and splits by race
reaction time	0.175	interval		5.28	5.48	5.57	# of strides	11.77	11.05 0.72
wind	1.6 m/s	velocity	7.70	9.47	9.12	8.98	96.0	8.50	9.05
Prandini, Jenna (USA) (1992)									
Short Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	31-May-25	time	6.38	11.48	16.88	22.82	8 / 6		Grand Slam Track (2025) - results and splits by race
reaction time	0.190	interval		5.10	5.40	5.94	# of strides	11.48	11.34 0.14
wind	1.1 m/s	velocity	7.84	9.80	9.26	8.42	95.0	8.71	8.82
Pointet, Léonie (SUI) (2001)									
B FINAL	- 2025 European Team Championships, First Division (Madrid, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	29-Jun-25	time	6.26	11.48	16.91	22.82	/ 3		European Athletics (2025) - 2025 euro team champs, 1st division - results book
reaction time	0.134	interval		5.22	5.43	5.91	# of strides	11.48	11.34 0.14
wind	-0.2 m/s	velocity	7.99	9.58	9.21	8.46	8.76	8.71	8.82
Bisschops, Minke (NED) (2002)									
FINAL	- 2025 Kamila Skolimowska Memorial (Chorzów, POL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	16-Aug-25	time	6.30	11.48	16.93	22.82	2 / 8		Omega Timing (2025) - diamond league race analysis
reaction time	0.147	interval		5.18	5.45	5.89	# of strides	11.48	11.34 0.14
wind	-2.0 m/s	velocity	7.94	9.65	9.17	8.49	96.5	8.71	8.82
Leduc, Audrey (CAN) (1999)									
Heat 5	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	17-Sep-25	time	11.52		22.82	22.82	8 / 4		Seiko Timing (2025) - 2025 World Championships race analysis
reaction time	0.169	interval			11.30		# of strides	11.52	11.30 0.22

wind	0.0 m/s	velocity	8.68		8.85	8.76	94.5	8.68	8.85		
Boone, Rachael (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2004 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (2004)</i>								
date	16-Jul-04	time	6.35	11.57	16.91	22.83	22.83	6 / 2			
reaction time		interval		5.22	5.34	5.92		# of strides	11.57	11.26	0.31
wind	-0.6 m/s	velocity	7.87	9.58	9.36	8.45	8.76	97.0	8.64	8.88	
Moore, LaShaunte'a (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>								
date	16-Jul-04	time	6.52	11.78	17.05	22.83	22.83	4 / 3			
reaction time		interval		5.26	5.27	5.78		# of strides	11.78	11.05	0.73
wind	-0.6 m/s	velocity	7.67	9.51	9.49	8.65	8.76	95.0	8.49	9.05	
Hurtis-Houairi, Muriel (FRA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 European Cup (Munich, GER)			<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>								
date	24-Jun-07	time		11.49	16.91	22.83	22.83	/ 1			
reaction time	0.142	interval			5.42	5.92		# of strides	11.49	11.34	0.15
wind	-2.0 m/s	velocity		8.70	9.23	8.45	8.76		8.70	8.82	
Facey, Simone (JAM) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.34	11.48	16.87	22.83	22.83	8 / 1			
reaction time	0.170	interval		5.14	5.39	5.96		# of strides	11.48	11.35	0.13
wind	0.3 m/s	velocity	7.89	9.73	9.28	8.39	8.76	96.7	8.71	8.81	
Artymata, Eleni (CYP) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.45	11.57	16.98	22.83	22.83	2 / 3			
reaction time	0.162	interval		5.12	5.41	5.85	NR	# of strides	11.57	11.26	0.31
wind	0.3 m/s	velocity	7.75	9.77	9.24	8.55	8.76	91.5	8.64	8.88	
Lucas, Porscha (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 NCAA Championships (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	12-Jun-10	time		11.6		22.8	22.83	/ 1			
reaction time		interval				11.20		# of strides	11.60	11.20	0.40
wind	1.2 m/s	velocity		8.62		8.93	8.76		8.62	8.93	
Francis, Phyllis (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 USATF National Championships (Des Moines, IA)			<i>Track Newsletter (2018) - USATF championships women</i>								
date	24-Jun-18	time		11.6		22.8	22.83	/ 2			
reaction time		interval				11.20		# of strides	11.60	11.20	0.40
wind	-1.0 m/s	velocity		8.62		8.93	8.76		8.62	8.93	
Okagbare, Blessing (NGR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)			<i>Omega Timing (2019) - diamond league race analysis</i>								
date	18-Aug-19	time	6.4	11.6	17.0	22.83	22.83	8 / 5			
reaction time	0.178	interval		5.2	5.4	5.83		# of strides	11.60	11.23	0.37
wind	0.4 m/s	velocity	7.81	9.62	9.26	8.58	8.76	92.7	8.62	8.90	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	21-Jul-23	time	6.31	11.45	16.96	22.83	22.83	8 / 8			
reaction time	0.202	interval		5.14	5.51	5.87		# of strides	11.45	11.38	0.07
wind	0.2 m/s	velocity	7.92	9.73	9.07	8.52	8.76		8.73	8.79	
Wessolly, Jessica-Bianca (GER) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Athletissima (Lausanne, SUI)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	22-Aug-24	time	6.39	11.60	16.99	22.83	22.83	5 / 2			
reaction time	0.162	interval		5.21	5.39	5.84		# of strides	11.60	11.23	0.37
wind	0.9 m/s	velocity	7.82	9.60	9.28	8.56	8.76		8.62	8.90	
Holmes, Alexis (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.52	11.82	17.20	22.83	22.83	5 / 5			
reaction time	0.160	interval		5.30	5.38	5.63	PB	# of strides	11.82	11.01	0.81

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	7.67	9.43	9.29	8.88	8.76	94.0	8.46	9.08	
Trandenkova, Marina (RUS) (1967)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)			Veney - 200m women from PJ								
date	10-Aug-95	time		11.68	17.06	22.84	22.84	1 / 8 7			
reaction time		interval			5.38	5.78	PB	# of strides	11.68	11.16	0.52
wind	-2.2 m/s	velocity		8.56	9.29	8.65	8.76	101.5	8.56	8.96	
Cox, Crystal (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)								
date	16-Jul-04	time	6.41	11.56	16.92	22.84	22.84	5 / 4			
reaction time		interval		5.15	5.36	5.92		# of strides	11.56	11.28	0.28
wind	-0.6 m/s	velocity	7.80	9.71	9.33	8.45	8.76	94.0	8.65	8.87	
Gevaert, Kim (BEL) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	25-Aug-04	time		11.5		22.8	22.84	1 / 6			
reaction time		interval				11.3		# of strides	11.50	11.30	0.20
wind	0.8 m/s	velocity		8.70		8.85	8.76	93.0	8.70	8.85	
Gevaert, Kim (BEL) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)			Graubner (2007) - http://www.fgs.uni-halle.de								
date	22-Sep-07	time	6.31	11.43	16.95	22.84	22.84	7 / 4			
reaction time		interval		5.12	5.52	5.89		# of strides	11.43	11.41	0.02
wind	0.5 m/s	velocity	7.92	9.77	9.06	8.49	8.76		8.75	8.76	
Lee, Muna (USA) (1981)			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	6.52	11.52	16.97	22.84	22.84	5 / 3			
reaction time		interval		5.00	5.45	5.87		# of strides	11.52	11.32	0.20
wind	1.6 m/s	velocity	7.67	10.00	9.17	8.52	8.76		8.68	8.83	
Ryemyen, Mariya (UKR) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 IAAF World Championships (Moscow, RUS)			Track Newsletter (2013) - world championships women								
date	16-Aug-13	time		11.6		22.8	22.84	8 / 7			
reaction time	0.197	interval				11.20		# of strides	11.60	11.20	0.40
wind	-0.3 m/s	velocity		8.62		8.93	8.76	98.2	8.62	8.93	
Bryant, Dezerea (USA) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)			Omega Timing (2019) - diamond league race analysis								
date	18-Aug-19	time	6.4	11.5	17.0	22.84	22.84	2 / 6			
reaction time	0.165	interval		5.1	5.5	5.84		# of strides	11.50	11.34	0.16
wind	0.4 m/s	velocity	7.81	9.80	9.09	8.56	8.76	104.0	8.70	8.82	
Dobbin, Beth (GBR) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2021) - diamond league race analysis								
date	04-Jul-21	time	6.5	11.6	17.1	22.84	22.84	7 / 4			
reaction time	0.151	interval		5.10	5.50	5.74		# of strides	11.60	11.24	0.36
wind	-0.4 m/s	velocity	7.69	9.80	9.09	8.71	8.76	98.5	8.62	8.90	
Rosa, Vitoria Cristina (BRA) (1996)			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		11.66		22.84	22.84	5 / 3			
reaction time	0.118	interval				11.18		# of strides	11.66	11.18	0.48
wind	1.1 m/s	velocity		8.58		8.94	8.76	94.7	8.58	8.94	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	19-Jul-22	time		11.78		22.84	22.84	2 / 6			
reaction time	0.152	interval				11.06		# of strides	11.78	11.06	0.72
wind	1.4 m/s	velocity		8.49		9.04	8.76	95.0	8.49	9.04	
Karstoft, Ida (DEN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	19-Jul-22	time		11.71		22.84	22.84	7 / 5			
reaction time	0.165	interval				11.13		# of strides	11.71	11.13	0.58

wind	-0.1 m/s	velocity	8.54	8.98	8.76	90.7	8.54	8.98			
Jiya, Tasa (NED) (1997)											
FINAL - 2023 FBK Games (Hengelo, NED)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2023) - continental tour race analysis</i>											
date	04-Jun-23	time	6.38	11.61	17.01	22.84	22.84	7 / 4			
reaction time	0.170	interval		5.23	5.40	5.83	PB	# of strides	11.61	11.23	0.38
wind	1.4 m/s	velocity	7.84	9.56	9.26	8.58	8.76	92.0	8.61	8.90	
Bass, Gina (GAM) (1995)											
Heat 6 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	04-Aug-24	time	6.38	11.55	16.98	22.84	22.84	7 / 3			
reaction time	0.147	interval		5.17	5.43	5.86		# of strides	11.55	11.29	0.26
wind	0.5 m/s	velocity	7.84	9.67	9.21	8.53	8.76	102.0	8.66	8.86	
Koné, Maboundou (CIV) (1997)											
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	30-Aug-24	time	6.33	11.54	16.98	22.84	22.84	8 / 7			
reaction time	0.163	interval		5.21	5.44	5.86		# of strides	11.54	11.30	0.24
wind	0.4 m/s	velocity	7.90	9.60	9.19	8.53	8.76	99.5	8.67	8.85	
Hemida, Bassant (EGY) (1996)											
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Grand Slam Track (2025) - results and splits by race</i>											
date	15-Jun-25	time	6.52	11.81	17.07	22.84	22.84	8 / 4			
reaction time	0.171	interval		5.29	5.26	5.77		# of strides	11.81	11.03	0.78
wind	2.2 m/s	velocity	7.67	9.45	9.51	8.67	8.76		8.47	9.07	
Williams, Bianca (GBR) (1993)											
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Grand Slam Track (2025) - results and splits by race</i>											
date	15-Jun-25	time	6.39	11.69	17.00	22.84	22.84	1 / 5			
reaction time	0.155	interval		5.30	5.31	5.84		# of strides	11.69	11.15	0.54
wind	2.2 m/s	velocity	7.82	9.43	9.42	8.56	8.76		8.55	8.97	
Terry, Twanisha (USA) (1999)											
Heat 2 - 2025 USATF Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.28	11.38	16.79	22.84	22.84	8 / 6			
reaction time		interval		5.10	5.41	6.05		# of strides	11.38	11.46	-0.08
wind	1.6 m/s	velocity	7.96	9.80	9.24	8.26	8.76		8.79	8.73	
Tirlea, Ionela (ROU) (1976)											
FINAL - 2001 European Cup (Bremen, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	24-Jun-01	time	6.38	11.54	16.98	22.85	22.85	1 / 2			
reaction time	0.166	interval		5.16	5.44	5.87		# of strides	11.54	11.31	0.23
wind	0.3 m/s	velocity	7.84	9.69	9.19	8.52	8.75		8.67	8.84	
Jenkins, LaTasha (USA) (1977)											
FINAL - 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	10-Aug-01	time		11.3		22.85	22.85	7 / 4-2			
reaction time	0.157	interval				11.6		# of strides	11.30	11.55	-0.25
wind	-0.8 m/s	velocity		8.85		8.66	8.75		8.85	8.66	
Lee, Muna (USA) (1981)											
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.37	11.60	17.02	22.85	22.85	5 / 2			
reaction time		interval		5.23	5.42	5.83		# of strides	11.60	11.25	0.35
wind	-1.2 m/s	velocity	7.85	9.56	9.23	8.58	8.75	93.0	8.62	8.89	
Brooks, Sheri-Ann (JAM) (1983)											
FINAL - 2005 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	11-Jun-05	time		11.6		22.9	22.85	8 / 1			
reaction time		interval				11.30	PB	# of strides	11.60	11.30	0.30
wind	-0.7 m/s	velocity		8.62		8.85	8.75	96.0	8.62	8.85	
Townsend, Tiffany (USA) (1989)											
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	10-May-15	time	6.42	11.61	16.99	22.85	22.85	5 / 2			
reaction time		interval		5.19	5.38	5.86		# of strides	11.61	11.24	0.37

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	7.79	9.63	9.29	8.53	8.75		8.61	8.90	
Martin, Jada (USA) (1995)											
FINAL - 2017 NCAA Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2017) - NCAA women's championships</i>											
date	10-Jun-17	time		11.8		22.9	22.85	1 / 5			
reaction time		interval				11.10		# of strides	11.80	11.10	0.70
wind	1.1 m/s	velocity		8.47		9.01	8.75		8.47	9.01	
Emmanuel, Crystal (CAN) (1991)											
Semi-Final 3 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Aug-17	time		11.20	16.67	22.68	22.85	6 / 3			
reaction time	0.165	interval			5.47	6.01		# of strides	11.20	11.48	-0.28
wind	-0.2 m/s	velocity		8.93	9.14	8.32	8.75	99.7	8.93	8.71	
Gaither, TyNia (BAH) (1993)											
Semi-Final 3 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Aug-17	time		11.35	16.76	22.70	22.85	7 / 4			
reaction time	0.151	interval			5.41	5.94		# of strides	11.35	11.35	0.00
wind	-0.2 m/s	velocity		8.81	9.24	8.42	8.75	108.9	8.81	8.81	
Nelson, Ashleigh (GBR) (1991)											
FINAL - 2019 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2019) - diamond league race analysis</i>											
date	05-Jul-19	time	6.5	11.6	17.1	22.85	22.85	2 / 4			
reaction time	0.154	interval		5.1	5.5	5.75	PB	# of strides	11.60	11.25	0.35
wind	1.0 m/s	velocity	7.69	9.80	9.09	8.70	8.75	94.7	8.62	8.89	
Sturgis, Cambrea (USA) (1999)											
FINAL - 2022 Prefontaine Classic (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	28-May-22	time	6.33	11.55	16.96	22.85	22.85	3 / 6			
reaction time	0.170	interval		5.22	5.41	5.89		# of strides	11.55	11.30	0.25
wind	1.3 m/s	velocity	7.90	9.58	9.24	8.49	8.75	100.2	8.66	8.85	
Karstoft, Ida (DEN) (1995)											
Heat 2 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		11.71		22.85	22.85	4 / 3			
reaction time	0.152	interval				11.14		# of strides	11.71	11.14	0.57
wind	-0.2 m/s	velocity		8.54		8.98	8.75	90.2	8.54	8.98	
Carter, Jassani (USA) (2003)											
Heat 3 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	27-Jun-24	time	6.03	11.32	16.74	22.85	22.85	7 / 4			
reaction time		interval		5.29	5.42	6.11		# of strides	11.32	11.53	-0.21
wind	0.2 m/s	velocity	8.29	9.45	9.23	8.18	8.75	97.0	8.83	8.67	
White, Kayla (USA) (1996)											
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Grand Slam Track (2025) - results and splits by race</i>											
date	04-May-25	time	6.35	11.55	16.96	22.85	22.85	1 / 6			
reaction time	0.170	interval		5.20	5.41	5.89		# of strides	11.55	11.30	0.25
wind	1.1 m/s	velocity	7.87	9.62	9.24	8.49	8.75	94.0	8.66	8.85	
Gbai, Jessika (CIV) (1998)											
Long Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Grand Slam Track (2025) - results and splits by race</i>											
date	01-Jun-25	time	6.35	11.56	17.07	22.85	22.85	4 / 3			
reaction time	0.177	interval		5.21	5.51	5.78		# of strides	11.56	11.29	0.27
wind	1.6 m/s	velocity	7.87	9.60	9.07	8.65	8.75	94.0	8.65	8.86	
Gaschet, Liliane (FRA) (1962)											
FINAL - 1984 Olympic Games (Los Angeles, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Vogel (1984) - olympische spiele in los angeles</i>											
date	09-Aug-84	time		11.67		22.86	22.86	1 / 8			
reaction time	0.192	interval				11.19		# of strides	11.67	11.19	0.48
wind	0.1 m/s	velocity		8.57		8.94	8.75		8.57	8.94	
Hurtis, Muriel (FRA) (1979)											
Heat 1 - 2002 European Championships (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-02	time	6.41	11.54	16.93	22.86	22.86	/ 1			
reaction time	0.165	interval		5.13	5.39	5.93		# of strides	11.54	11.32	0.22

wind	-1.1 m/s	velocity	7.80	9.75	9.28	8.43	8.75		8.67	8.83	
Daigle, Angela (USA) (1976)			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)								
date	26-Jun-05	time	6.56	11.71		22.86	22.86	2 / 6			
reaction time		interval		5.15		11.15		# of strides	11.71	11.15	0.56
wind	0.3 m/s	velocity	7.62	9.71		8.97	8.75	97.0	8.54	8.97	
Solomon, Shalonda (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	11-Jun-05	time		11.6		22.9	22.86	6 / 2			
reaction time		interval				11.30		# of strides	11.60	11.30	0.30
wind	-0.7 m/s	velocity		8.62		8.85	8.75	99.0	8.62	8.85	
Gevaert, Kim (BEL) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 IAAF World Championships (Helsinki, FIN)			Track Newsletter (2005) - World championships- women								
date	12-Aug-05	time		11.5		22.9	22.86	3 / 7			
reaction time	0.144	interval				11.40		# of strides	11.50	11.40	0.10
wind	0.2 m/s	velocity		8.70		8.77	8.75	92.7	8.70	8.77	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 NCAA Championships (Eugene, OR)			Track Newsletter (2018) - NCAA women's championships								
date	09-Jun-18	time		11.6		22.9	22.86	1 / 2			
reaction time		interval				11.30		# of strides	11.60	11.30	0.30
wind	-2.3 m/s	velocity		8.62		8.85	8.75		8.62	8.85	
Kaddari, Dalia (ITA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)			Omega Timing (2021) - diamond league race analysis								
date	10-Jun-21	time	6.7	11.8	17.3	22.86	22.86	7 / 4			
reaction time	0.158	interval		5.10	5.50	5.56	PB	# of strides	11.80	11.06	0.74
wind	0.2 m/s	velocity	7.46	9.80	9.09	8.99	8.75	96.2	8.47	9.04	
Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)			Omega Timing (2022) - diamond league race analysis								
date	06-Aug-22	time	6.29	11.44	16.87	22.86	22.86	7 / 7			
reaction time	0.149	interval		5.15	5.43	5.99		# of strides	11.44	11.42	0.02
wind	0.2 m/s	velocity	7.95	9.71	9.21	8.35	8.75	90.0	8.74	8.76	
Kaddari, Dalia (ITA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	19-Jul-22	time		11.49		22.86	22.86	8 / 6			
reaction time	0.125	interval				11.37		# of strides	11.49	11.37	0.12
wind	-0.1 m/s	velocity		8.70		8.80	8.75	97.5	8.70	8.80	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting de Paris (Paris, FRA)			Omega Timing (2023) - diamond league race analysis								
date	09-Jun-23	time	6.28	11.53	16.98	22.86	22.86	2 / 7			
reaction time	0.196	interval		5.25	5.45	5.88		# of strides	11.53	11.33	0.20
wind	-0.4 m/s	velocity	7.96	9.52	9.17	8.50	8.75	102.0	8.67	8.83	
Ofili, Favour (NGR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)			Seiko Timing (2023) - world championship race analysis								
date	24-Aug-23	time		11.54		22.86	22.86	2 / 7			
reaction time	0.149	interval				11.32		# of strides	11.54	11.32	0.22
wind	-0.2 m/s	velocity		8.67		8.83	8.75	95.0	8.67	8.83	
Jäger, Henriette (NOR) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)			Omega Timing (2025) - diamond league race analysis								
date	03-May-25	time	6.44	11.68	17.14	22.86	22.86	2 / 3			
reaction time	0.143	interval		5.24	5.46	5.72		# of strides	11.68	11.18	0.50
wind	0.5 m/s	velocity	7.76	9.54	9.16	8.74	8.75	96.0	8.56	8.94	
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)			Omega Timing (2025) - diamond league race analysis								
date	03-May-25	time	6.37	11.55	16.97	22.86	22.86	3 / 4			
reaction time	0.163	interval		5.18	5.42	5.89		# of strides	11.55	11.31	0.24

wind	0.5 m/s	velocity	7.85	9.65	9.23	8.49	8.75	94.0	8.66	8.84	
Moore, Ashanti (JAM) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 London Athletics Meet (London, GBR)			Omega Timing (2025) - diamond league race analysis								
date	19-Jul-25	time	6.38	11.58	16.98	22.86	22.86	2 / 7			
reaction time	0.130	interval		5.20	5.40	5.88		# of strides	11.58	11.28	0.30
wind	-0.6 m/s	velocity	7.84	9.62	9.26	8.50	8.75	90.5	8.64	8.87	
Henriksson, Julia (SWE) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.66		22.86	22.86	9 / 4			
reaction time	0.162	interval				11.20		# of strides	11.66	11.20	0.46
wind	-0.2 m/s	velocity		8.58		8.93	8.75	97.2	8.58	8.93	
Bochina, Natalya (URS) (1962)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1986 European Championships (Stuttgart, FRG)			Veney - 200m women from PJ								
date	29-Aug-86	time		11.68		22.87	22.87	7 / 6			
reaction time	0.242	interval				11.19		# of strides	11.68	11.19	0.49
wind	-0.8 m/s	velocity		8.56		8.94	8.75		8.56	8.94	
Jackson, Grace (JAM) (1961)			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	08-Sep-89	time		11.98	17.38	22.87	22.87	/ 3			
reaction time	0.212	interval			5.40	5.49		# of strides	11.98	10.89	1.09
wind	0.2 m/s	velocity		8.35	9.26	9.11	8.75		8.35	9.18	
Young, Dannette (USA) (1964)			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	30-Aug-91	time		11.48		22.87	22.87	6 / 6			
reaction time		interval				11.39		# of strides	11.48	11.39	0.09
wind	-2.4 m/s	velocity		8.71		8.78	8.75	101.2	8.71	8.78	
Goncharenko, Svetlana (RUS) (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	6.40	11.50	16.92	22.87	22.87	/ 3			
reaction time	0.149	interval		5.10	5.42	5.95		# of strides	11.50	11.37	0.13
wind	0.3 m/s	velocity	7.81	9.80	9.23	8.40	8.75		8.70	8.80	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	25-Aug-04	time		11.6		22.9	22.87	7 / 7			
reaction time		interval				11.3		# of strides	11.60	11.30	0.30
wind	0.8 m/s	velocity		8.62		8.85	8.75	95.0	8.62	8.85	
Oyepitan, Abi (GBR) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 Olympic Games (Athens, GRE)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	25-Aug-04	time		11.5		22.9	22.87	5 / 7			
reaction time		interval				11.4		# of strides	11.50	11.40	0.10
wind	0.8 m/s	velocity		8.70		8.77	8.75	99.0	8.70	8.77	
Hooker, Marshevet (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)								
date	04-Jul-08	time	6.51	11.79	17.10	22.87	22.87	6 / 1			
reaction time		interval		5.28	5.31	5.77		# of strides	11.79	11.08	0.71
wind	1.4 m/s	velocity	7.68	9.47	9.42	8.67	8.75	94.0	8.48	9.03	
Edwards, Torri (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)								
date	04-Jul-08	time	6.44	11.62	16.88	22.87	22.87	8 / 2			
reaction time		interval		5.18	5.26	5.99		# of strides	11.62	11.25	0.37
wind	2.0 m/s	velocity	7.76	9.65	9.51	8.35	8.75		8.61	8.89	
Hackett, Semoy (TTO) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Olympic Games (London, GBR)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
date	08-Aug-12	time		11.45		22.87	22.87	3 / 8			
reaction time	0.150	interval				11.42	DV	# of strides	11.45	11.42	0.03

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	8.73	8.76	8.75	96.7	8.73	8.76	
Emmanuel, Crystal (CAN) (1991)									
FINAL - 2019 Weltklasse (Zürich, SUI)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2019) - diamond league race analysis									
date	29-Aug-19	time	6.3	11.5	17.0	22.87	2 / 7		
reaction time	0.155	interval	5.2	5.5	5.87		# of strides	11.50	11.37
wind	-0.4 m/s	velocity	7.94	9.62	9.09	8.52	8.75	99.5	8.70
Wessolly, Jessica-Bianca (GER) (1996)									
Heat 1 - 2022 World Athletics Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Timing by Seiko (2022) - world athletics championships race analysis									
date	18-Jul-22	time	11.73		22.87	22.87	6 / 4		
reaction time	0.159	interval			11.14		# of strides	11.73	11.14
wind	2.5 m/s	velocity	8.53		8.98	8.75	96.0	8.53	8.98
Koné, Maboundou (CIV) (1997)									
Heat 6 - 2024 Olympic Games (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Paris 2024 Olympic Games - Results Book (2024)									
date	04-Aug-24	time	6.37	11.57	17.02	22.87	3 / 4		
reaction time	0.193	interval	5.20	5.45	5.85		# of strides	11.57	11.30
wind	0.5 m/s	velocity	7.85	9.62	9.17	8.55	8.75	100.0	8.64
Bennett, Rachel (GBR) (2002)									
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
European Athletics (2025) - 2025 euro team champs, 1st division - results book									
date	29-Jun-25	time	6.49	11.71	16.99	22.87	2 / 7		
reaction time	0.159	interval	5.22	5.28	5.88	PB	# of strides	11.71	11.16
wind	0.8 m/s	velocity	7.70	9.58	9.47	8.50	8.75	96.7	8.54
Davis, Kenondra (USA) (2003)									
Heat 1 - 2025 USATF Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF and Karmarush (2025) - USATF championships results and race analysis									
date	03-Aug-25	time	6.41	11.63	17.07	22.87	2 / 5		
reaction time		interval	5.22	5.44	5.80		# of strides	11.63	11.24
wind	0.1 m/s	velocity	7.80	9.58	9.19	8.62	8.75	93.0	8.60
Parisot, Helene (FRA) (1992)									
Semi-Final 1 - 2025 World Athletics Championships (Tokyo, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2025) - 2025 World Championships race analysis									
date	18-Sep-25	time	11.46		22.87	22.87	2 / 7		
reaction time	0.185	interval			11.41		# of strides	11.46	11.41
wind	-0.1 m/s	velocity	8.73		8.76	8.75	102.0	8.73	8.76
Mothersill, Cydonie (CAY) (1978)									
FINAL - 2001 IAAF World Championships (Edmonton, CAN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Butler (2013) - IAAF world championships statistics handbook- moscow 2013									
date	10-Aug-01	time	11.3		22.88	22.88	1 / ~~5~~ 3		
reaction time	0.164	interval			11.6		# of strides	11.30	11.58
wind	-0.8 m/s	velocity	8.85		8.64	8.74	97.0	8.85	8.64
Mayo, Gabrielle (USA) (1989)									
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2006)									
date	23-Jun-06	time	6.64	11.70	17.15	22.88	5 / 1		
reaction time		interval	5.06	5.45	5.73	PB	# of strides	11.70	11.18
wind	0.9 m/s	velocity	7.53	9.88	9.17	8.73	8.74	8.55	8.94
Felix, Allyson (USA) (1985)									
Heat 3 - 2009 IAAF World Championships (Berlin, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	19-Aug-09	time	6.31	11.42	16.94	22.88	6 / 1		
reaction time	0.175	interval	5.11	5.52	5.94		# of strides	11.42	11.46
wind	0.0 m/s	velocity	7.92	9.78	9.06	8.42	8.74	86.0	8.76
Ta Lou, Marie Josée (CIV) (1988)									
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015									
date	10-May-15	time	6.37	11.57	17.02	22.88	2 / 3		
reaction time		interval	5.20	5.45	5.86		# of strides	11.57	11.31
wind	1.0 m/s	velocity	7.85	9.62	9.17	8.53	8.74	8.64	8.84
Fukushima, Chisato (JPN) (1988)									
FINAL - 2016 Japanese National Championships (Nagoya, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad									
date	26-Jun-16	time	6.25	11.46	16.92	22.88	/ 1		
reaction time		interval	5.21	5.46	5.96	NR	# of strides	11.46	11.42

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

wind	1.8 m/s	velocity	8.00	9.60	9.16	8.39	8.74		8.73	8.76
Dobbin, Beth (GBR) (1994)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)							<i>Omega Timing (2021) - diamond league race analysis</i>			
date	10-Jun-21	time	6.6	11.8	17.3	22.88	2 / 5			
reaction time	0.154	interval		5.20	5.50	5.58	# of strides	11.80	11.08	0.72
wind	0.2 m/s	velocity	7.58	9.62	9.09	8.96	98.0	8.47	9.03	
Kambundji, Mujinga (SUI) (1992)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Prefontaine Classic (Eugene, OR)							<i>Omega Timing (2022) - diamond league race analysis</i>			
date	28-May-22	time	6.32	11.57	17.01	22.88	4 / 7			
reaction time	0.145	interval		5.25	5.44	5.87	# of strides	11.57	11.31	0.26
wind	1.3 m/s	velocity	7.91	9.52	9.19	8.52	101.2	8.64	8.84	
Tsimanouskaya, Krystsina (POL) (199)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 6 - 2023 World Athletics Championships (Budapest, HUN)							<i>Seiko Timing (2023) - world championship race analysis</i>			
date	23-Aug-23	time		11.58		22.88	7 / 5			
reaction time	0.167	interval				11.30	# of strides	11.58	11.30	0.28
wind	-0.3 m/s	velocity		8.64		8.85	99.0	8.64	8.85	
Gbai, Jessika (CIV) (1998)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)							<i>Seiko Timing (2023) - world championship race analysis</i>			
date	24-Aug-23	time		11.63		22.88	5 / 6			
reaction time	0.201	interval				11.25	# of strides	11.63	11.25	0.38
wind	-0.2 m/s	velocity		8.60		8.89	92.0	8.60	8.89	
Hill, Candice (USA) (1999)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 4 - 2024 USA Olympic Trials (Eugene, OR)							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>			
date	27-Jun-24	time	6.41	11.60	17.04	22.88	6 / 5			
reaction time		interval		5.19	5.44	5.84	# of strides	11.60	11.28	0.32
wind	0.1 m/s	velocity	7.80	9.63	9.19	8.56	93.0	8.62	8.87	
Leduc, Audrey (CAN) (1999)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 4 - 2024 Olympic Games (Paris, FRA)							<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	04-Aug-24	time	6.42	11.58	16.99	22.88	3 / 3			
reaction time	0.188	interval		5.16	5.41	5.89	# of strides	11.58	11.30	0.28
wind	0.0 m/s	velocity	7.79	9.69	9.24	8.49	94.2	8.64	8.85	
Prandini, Jenna (USA) (1992)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)							<i>Omega Timing (2025) - diamond league race analysis</i>			
date	03-May-25	time	6.32	11.51	16.98	22.88	6 / 5			
reaction time	0.176	interval		5.19	5.47	5.90	# of strides	11.51	11.37	0.14
wind	0.5 m/s	velocity	7.91	9.63	9.14	8.47	96.2	8.69	8.80	
Henriksson, Julia (SWE) (2000)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 3 - 2024 Olympic Games (Paris, FRA)							<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	05-Aug-24	time	6.40	11.58	17.01	22.88	4 / 6			
reaction time	0.165	interval		5.18	5.43	5.87	# of strides	11.58	11.30	0.28
wind	0.1 m/s	velocity	7.81	9.65	9.21	8.52	97.7	8.64	8.85	
Gbai, Jessika (CIV) (1998)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)							<i>Omega Timing (2025) - diamond league race analysis</i>			
date	03-May-25	time	6.39	11.67	17.10	22.88	8 / 6			
reaction time	0.142	interval		5.28	5.43	5.78	# of strides	11.67	11.21	0.46
wind	0.5 m/s	velocity	7.82	9.47	9.21	8.65	95.7	8.57	8.92	
Chandler, Caisja (USA) (2000)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 2 - 2025 USATF Championships (Eugene, OR)							<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>			
date	03-Aug-25	time	6.29	11.44	16.87	22.88	2 / 7			
reaction time		interval		5.15	5.43	6.01	# of strides	11.44	11.44	0.00
wind	1.6 m/s	velocity	7.95	9.71	9.21	8.32		8.74	8.74	
Ford, JaMeesia (USA) (2005)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 USATF Championships (Eugene, OR)							<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>			
date	03-Aug-25	time	6.30	11.45	16.83	22.88	4 / ~~9~~ 8			
reaction time		interval		5.15	5.38	6.05	# of strides	11.45	11.43	0.02

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wind	0.5 m/s	velocity	7.94	9.71	9.29	8.26	8.74	95.0	8.73	8.75	
Heinich, Christina (GDR) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1972 Olympic Games (Munich, FRG)								<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>			
date	09-Jul-72	time		11.73	17.08	22.89	22.89	7 / 5			
reaction time		interval			5.35	5.81		# of strides	11.73	11.16	0.57
wind	1.1 m/s	velocity		8.53	9.35	8.61	8.74	100.0	8.53	8.96	
Kroniger, Annegret (FRG) (1952)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1972 Olympic Games (Munich, FRG)								<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>			
date	09-Jul-72	time		11.67	17.10	22.89	22.89	1 / 5			
reaction time		interval			5.43	5.79		# of strides	11.67	11.22	0.45
wind	1.1 m/s	velocity		8.57	9.21	8.64	8.74	95.5	8.57	8.91	
Arron, Christine (FRA) (1973)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 European Cup (Munich, GER)								<i>Jung (2003) - http://www.fgs.uni-halle.de</i>			
date	22-Jun-97	time	6.35	11.42	16.80	22.89	22.89	/ 1			
reaction time		interval		5.07	5.38	6.09		# of strides	11.42	11.47	-0.05
wind	-0.2 m/s	velocity	7.87	9.86	9.29	8.21	8.74		8.76	8.72	
Félix, Sylviane (FRA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2002 European Championships (Munich, GER)								<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
date	09-Aug-02	time	6.46	11.73	17.10	22.89	22.89	6 / 4			
reaction time	0.167	interval		5.27	5.37	5.79		# of strides	11.73	11.16	0.57
wind	-0.3 m/s	velocity	7.74	9.49	9.31	8.64	8.74		8.53	8.96	
Ferguson-McKenzie, Debbie (BAH) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)								<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
date	13-Sep-08	time	6.41	11.54	16.95	22.89	22.89	7 / 4			
reaction time	0.163	interval		5.13	5.41	5.94		# of strides	11.54	11.35	0.19
wind	0.1 m/s	velocity	7.80	9.75	9.24	8.42	8.74		8.67	8.81	
Akinosun, Morolake (USA) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 NCAA Championships (Eugene, OR)								<i>Track Newsletter (2014) - NCAA women's championships</i>			
date	14-Jun-14	time		11.9		22.9	22.89	/ 5			
reaction time		interval				11.00		# of strides	11.90	11.00	0.90
wind	2.2 m/s	velocity		8.40		9.09	8.74		8.40	9.09	
Jefferson, Kyra (USA) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 USATF National Championships (Des Moines, IA)								<i>Track Newsletter (2018) - USATF championships women</i>			
date	24-Jun-18	time		11.6		22.9	22.89	/ 3			
reaction time		interval				11.30		# of strides	11.60	11.30	0.30
wind	-1.0 m/s	velocity		8.62		8.85	8.74		8.62	8.85	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	18-Jul-22	time		11.82		22.89	22.89	4 / 5			
reaction time	0.159	interval				11.07		# of strides	11.82	11.07	0.75
wind	0.4 m/s	velocity		8.46		9.03	8.74	95.0	8.46	9.03	
Rosa, Vitoria Cristina (BRA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	06-Aug-22	time	6.44	11.63	17.03	22.89	22.89	8 / 8			
reaction time	0.172	interval		5.19	5.40	5.86		# of strides	11.63	11.26	0.37
wind	0.2 m/s	velocity	7.76	9.63	9.26	8.53	8.74	94.2	8.60	8.88	
Henriksson, Julia (SWE) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Bauhaus Galan (Stockholm, SWE)								<i>Omega Timing (2024) - diamond league race analysis</i>			
date	02-Jun-24	time	6.41	11.59	16.99	22.89	22.89	2 / 2			
reaction time	0.145	interval		5.18	5.40	5.90	PB	# of strides	11.59	11.30	0.29
wind	-2.0 m/s	velocity	7.80	9.65	9.26	8.47	8.74	98.0	8.63	8.85	
Jamison, Jayla (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 USA Olympic Trials (Eugene, OR)								<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>			
date	27-Jun-24	time	6.42	11.70	17.26	22.89	22.89	6 / 2			
reaction time		interval		5.28	5.56	5.63		# of strides	11.70	11.19	0.51

wind	0.8 m/s	velocity	7.79	9.47	8.99	8.88	8.74	98.0	8.55	8.94	
Lewis, Torrie (AUS) (2005)			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	04-Aug-24	time	6.34	11.50	16.94	22.89	22.89	9 / 4			
reaction time	0.158	interval		5.16	5.44	5.95	PB	# of strides	11.50	11.39	0.11
wind	1.4 m/s	velocity	7.89	9.69	9.19	8.40	8.74	94.0	8.70	8.78	
Koné, Maboundou (CIV) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	05-Aug-24	time	6.31	11.49	16.93	22.89	22.89	4 / 1			
reaction time	0.179	interval		5.18	5.44	5.96		# of strides	11.49	11.40	0.09
wind	0.6 m/s	velocity	7.92	9.65	9.19	8.39	8.74	100.5	8.70	8.77	
Sears, Jacious (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			Grand Slam Track (2025) - results and splits by race								
date	04-May-25	time	6.28	11.43	16.86	22.89	22.89	2 / 7			
reaction time	0.150	interval		5.15	5.43	6.03		# of strides	11.43	11.46	-0.03
wind	1.1 m/s	velocity	7.96	9.71	9.21	8.29	8.74	99.0	8.75	8.73	
Barnes, Celera (USA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			Grand Slam Track (2025) - results and splits by race								
date	31-May-25	time	6.27	11.40	16.91	22.89	22.89	1 / 7			
reaction time	0.170	interval		5.13	5.51	5.98	PB	# of strides	11.40	11.49	-0.09
wind	1.1 m/s	velocity	7.97	9.75	9.07	8.36	8.74	102.5	8.77	8.70	
Davis-Thompson, Pauline (BAH) (196			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	30-Aug-91	time		11.67		22.90	22.90	2 / 7			
reaction time		interval				11.23		# of strides	11.67	11.23	0.44
wind	-2.4 m/s	velocity		8.57		8.90	8.73	96.2	8.57	8.90	
Jeter, Carmelita (USA) (1979)			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	6.54	11.73	16.93	22.90	22.90	7 / 2			
reaction time		interval		5.19	5.20	5.97		# of strides	11.73	11.17	0.56
wind	0.0 m/s	velocity	7.65	9.63	9.62	8.38	8.73		8.53	8.95	
Williams, Monique (NZL) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	20-Aug-09	time	6.42	11.51	16.79	22.90	22.90	6 / 3			
reaction time	0.180	interval		5.09	5.28	6.11	NR	# of strides	11.51	11.39	0.12
wind	0.5 m/s	velocity	7.79	9.82	9.47	8.18	8.73	92.0	8.69	8.78	
Meadows, Tawanna (USA) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 USATF National Championships (Sacramento, CA)			Track Newsletter (2014) - USATF women's championships								
date	29-Jun-14	time		11.8		22.9	22.90	/ 6			
reaction time	0.246	interval				11.10		# of strides	11.80	11.10	0.70
wind	3.8 m/s	velocity		8.47		9.01	8.73		8.47	9.01	
Karstoft, Ida (DEN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2022) - diamond league race analysis								
date	30-Jun-22	time	6.37	11.51	16.95	22.90	22.90	7 / 3			
reaction time	0.176	interval		5.14	5.44	5.95		# of strides	11.51	11.39	0.12
wind	0.1 m/s	velocity	7.85	9.73	9.19	8.40	8.73	91.0	8.69	8.78	
Naser, Salwa Eid (BRN) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			Grand Slam Track (2025) - results and splits by race								
date	01-Jun-25	time	6.55	11.68	17.12	22.90	22.90	7 / 4			
reaction time	0.226	interval		5.13	5.44	5.78		# of strides	11.68	11.22	0.46
wind	1.6 m/s	velocity	7.63	9.75	9.19	8.65	8.73	93.5	8.56	8.91	
Leduc, Audrey (CAN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Meeting de Paris (Paris, FRA)			Omega Timing (2025) - diamond league race analysis								
date	20-Jun-25	time	6.30	11.46	17.00	22.90	22.90	1 / 7			
reaction time	0.183	interval		5.16	5.54	5.90		# of strides	11.46	11.44	0.02

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DV=Drug Violation

wind	0.9 m/s	velocity	7.94	9.69	9.03	8.47	8.73	92.5	8.73	8.74
Eduan, Success (GBR) (2004)										
Semi-Final 1	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	19-Jul-25	time	6.44	11.52	16.90	22.90	22.90	6 / 1		
reaction time	0.136	interval		5.08	5.38	6.00		# of strides	11.52	11.38 0.14
wind	-1.3 m/s	velocity	7.76	9.84	9.29	8.33	8.73		8.68	8.79
Parisot, Helene (FRA) (1992)										
Heat 2	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	17-Sep-25	time		11.56		22.90	22.90	9 / 4		
reaction time	0.177	interval				11.34		# of strides	11.56	11.34 0.22
wind	-0.3 m/s	velocity		8.65		8.82	8.73	102.0	8.65	8.82
Leduc, Audrey (CAN) (1999)										
Semi-Final 3	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	18-Sep-25	time		11.55		22.90	22.90	2 / 5		
reaction time	0.159	interval				11.35		# of strides	11.55	11.35 0.20
wind	-0.3 m/s	velocity		8.66		8.81	8.73	95.2	8.66	8.81
Robertson, Denise (AUS) (1952)										
Semi-Final 2	- 1976 Olympic Games (Montreal, CAN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	28-Jul-76	time		11.43	17.13	22.91	22.91	7 / 3		
reaction time		interval			5.70	5.78	PB	# of strides	11.43	11.48 -0.05
wind	0.0 m/s	velocity		8.75	8.77	8.65	8.73		8.75	8.71
Thomas, Andrea (FRG) (1963)										
Semi-Final 1	- 1988 Olympic Games (Seoul, KOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	29-Sep-88	time	6.39	11.61	17.10	22.91	22.91	1 / 8		
reaction time	0.164	interval		5.22	5.49	5.81		# of strides	11.61	11.30 0.31
wind	1.70 m/s	velocity	7.82	9.58	9.11	8.61	8.73	95.2	8.61	8.85
Moore, Connie (USA) (1981)										
Heat 1	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	16-Jul-04	time	6.37	11.56	16.92	22.91	22.91	6 / 1		
reaction time		interval		5.19	5.36	5.99		# of strides	11.56	11.35 0.21
wind	-0.6 m/s	velocity	7.85	9.63	9.33	8.35	8.73	103.0	8.65	8.81
McLaughlin, Anneisha (JAM) (1986)										
Heat 5	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	19-Aug-09	time	6.43	11.52	16.91	22.91	22.91	6 / 2		
reaction time	0.154	interval		5.09	5.39	6.00	PB	# of strides	11.52	11.39 0.13
wind	0.1 m/s	velocity	7.78	9.82	9.28	8.33	8.73	95.0	8.68	8.78
Bryant, Dezerea (USA) (1993)										
FINAL	- 2022 Prefontaine Classic (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	28-May-22	time	6.21	11.50	17.00	22.91	22.91	1 / 8		
reaction time	0.132	interval		5.29	5.50	5.91		# of strides	11.50	11.41 0.09
wind	1.3 m/s	velocity	8.05	9.45	9.09	8.46	8.73	102.0	8.70	8.76
Davies, Thelma (LBR) (2000)										
Short Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	31-May-25	time	6.34	11.43	16.99	22.91	22.91	2 / 8		
reaction time	0.210	interval		5.09	5.56	5.92		# of strides	11.43	11.48 -0.05
wind	1.1 m/s	velocity	7.89	9.82	8.99	8.45	8.73	97.0	8.75	8.71
McCoy, Maia (LBR) (1996)										
FINAL	- 2025 Golden Gala Pietro Mennea (Roma, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	06-Jun-25	time	6.20	11.36	16.79	22.91	22.91	9 / 5		
reaction time	0.173	interval		5.16	5.43	6.12		# of strides	11.36	11.55 -0.19
wind	0.8 m/s	velocity	8.06	9.69	9.21	8.17	8.73	95.0	8.80	8.66
Glenn, Brianna (USA) (1980)										
FINAL	- 2001 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m Differential
date	02-Jun-01	time		11.7		22.9	22.92	3 / 1		
reaction time		interval				11.2		# of strides	11.70	11.20 0.50

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DV=Drug Violation

wind	2.1 m/s	velocity	8.55	8.93	8.73	97.2	8.55	8.93			
Rusakova, Natalya (RUS) (1980)			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	11.63	16.98	22.92	22.92	/ 2				
reaction time	0.172	interval		5.35	5.94		# of strides	11.63	11.29	0.34	
wind	-2.0 m/s	velocity	8.60	9.35	8.42	8.73		8.60	8.86		
Tarmoh, Jeneba (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 NCAA Championships (Eugene, OR)							USATF Women's Sprint Development with HPC (2008)				
date	12-Jun-10	time	11.6		22.9	22.92	/ 2				
reaction time		interval			11.30		# of strides	11.60	11.30	0.30	
wind	1.2 m/s	velocity	8.62		8.85	8.73		8.62	8.85		
Irby, Lynna (USA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 NCAA Championships (Eugene, OR)							Track Newsletter (2018) - NCAA women's championships				
date	09-Jun-18	time	11.6		22.9	22.92	/ 3				
reaction time		interval			11.30		# of strides	11.60	11.30	0.30	
wind	-2.3 m/s	velocity	8.62		8.85	8.73		8.62	8.85		
Dobbin, Beth (GBR) (1994)			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	11.74		22.92	22.92	4 / 2				
reaction time	0.146	interval			11.18		# of strides	11.74	11.18	0.56	
wind	-0.1 m/s	velocity	8.52		8.94	8.73	97.2	8.52	8.94		
Dobbin, Beth (GBR) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)							Omega Timing (2019) - diamond league race analysis				
date	13-Jul-21	time	6.5	11.7	17.1	22.92	3 / 5				
reaction time	0.152	interval		5.20	5.40	5.82	# of strides	11.70	11.22	0.48	
wind	0.2 m/s	velocity	7.69	9.62	9.26	8.59	100.0	8.55	8.91		
Jiya, Tasa (NED) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Prefontaine Classic (Eugene, OR)							Omega Timing (2023) - diamond league race analysis				
date	17-Sep-23	time	6.41	11.66	17.11	22.92	2 / 8				
reaction time	0.153	interval		5.25	5.45	5.81	# of strides	11.66	11.26	0.40	
wind	0.3 m/s	velocity	7.80	9.52	9.17	8.61	8.73	8.58	8.88		
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Bauhaus Galan (Stockholm, SWE)							Omega Timing (2024) - diamond league race analysis				
date	02-Jun-24	time	6.46	11.73	17.09	22.92	1 / 3				
reaction time	0.158	interval		5.27	5.36	5.83	# of strides	11.73	11.19	0.54	
wind	-2.0 m/s	velocity	7.74	9.49	9.33	8.58	8.73	8.53	8.94		
Fotopoulou, Oliva (CYP) (1996)			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	05-Aug-24	time	6.46	11.62	17.02	22.92	8 / 1				
reaction time	0.145	interval		5.16	5.40	5.90	# of strides	11.62	11.30	0.32	
wind	-0.4 m/s	velocity	7.74	9.69	9.26	8.47	8.73	8.61	8.85		
Lewis, Torrie (AUS) (2005)			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	05-Aug-24	time	6.34	11.56	17.04	22.92	3 / 7				
reaction time	0.164	interval		5.22	5.48	5.88	# of strides	11.56	11.36	0.20	
wind	0.1 m/s	velocity	7.89	9.58	9.12	8.50	8.73	8.65	8.80		
Parisot, Helene (FRA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Meeting de Paris (Paris, FRA)							Omega Timing (2025) - diamond league race analysis				
date	20-Jun-25	time	6.30	11.43	16.91	22.92	2 / 8				
reaction time	0.165	interval		5.13	5.48	6.01	# of strides	11.43	11.49	-0.06	
wind	0.9 m/s	velocity	7.94	9.75	9.12	8.32	8.73	8.75	8.70		
Lindahl, Nora (SWE) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 European Athletics U23 Championships (Bergen, NOR)							European Athletics (2025) - 2025 euro athletics U23 champs- results book				
date	19-Jul-25	time	6.40	11.62	17.03	22.92	5 / 3				
reaction time	0.147	interval		5.22	5.41	5.89	# of strides	11.62	11.30	0.32	

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wind	-0.7 m/s	velocity	7.81	9.58	9.24	8.49	8.73	94.0	8.61	8.85	
Emmanouilidou, Polyniki (GRE) (2003)											
Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time	6.36			22.92	22.92	4 / 3			
reaction time	0.181	interval				16.56		# of strides			
wind	0.1 m/s	velocity	7.86			9.06	8.73	105.0			
Gbai, Jessika (CIV) (1998)											
FINAL	- 2025 Athlos (Randalls Island, NY)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Athlos and Karmarush (2025). Athlos results and race analysis</i>										
date	10-Oct-25	time	6.39	11.63	17.06	22.92	22.92	3 / 5			
reaction time		interval		5.24	5.43	5.86		# of strides	11.63	11.29	0.34
wind	1.9 m/s	velocity	7.82	9.54	9.21	8.53	8.73	94.0	8.60	8.86	
Bailey, Angela (CAN) (1962)											
FINAL	- 1983 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>										
date	14-Aug-83	time		11.66	17.09	22.93	22.93	2 / 7			
reaction time	0.237	interval			5.43	5.84		# of strides	11.66	11.27	0.39
wind	1.5 m/s	velocity		8.58	9.21	8.56	8.72	102.5	8.58	8.87	
Levorato, Manuela (ITA) (1977)											
Semi-Final 1	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
date	09-Aug-02	time	6.42	11.68	17.07	22.93	22.93	/ 2			
reaction time	0.139	interval		5.26	5.39	5.86		# of strides	11.68	11.25	0.43
wind	1.0 m/s	velocity	7.79	9.51	9.28	8.53	8.72		8.56	8.89	
Jones, Marion (USA) (1975)											
Heat 4	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2004)</i>										
date	16-Jul-04	time	6.37	11.52	16.92	22.93	22.93	8 / ~~5~~			
reaction time		interval		5.15	5.40	6.01	DV	# of strides	11.52	11.41	0.11
wind	-0.6 m/s	velocity	7.85	9.71	9.26	8.32	8.72	94.0	8.68	8.76	
Tyson, Cleo (USA) (1986)											
FINAL	- 2005 USATF National Junior Championships (Carson, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2005)</i>										
date	24-Jun-05	time		11.55	17.06	22.93	22.93	6 / 1			
reaction time		interval			5.51	5.87		# of strides	11.55	11.38	0.17
wind	0.6 m/s	velocity		8.66	9.07	8.52	8.72		8.66	8.79	
Knight, Bianca (USA) (1989)											
FINAL	- 2014 USATF National Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2014) - USATF women's championships</i>										
date	29-Jun-14	time		11.7		22.9	22.93	/ 7			
reaction time	0.188	interval				11.20		# of strides	11.70	11.20	0.50
wind	3.8 m/s	velocity		8.55		8.93	8.72		8.55	8.93	
Liang Xiaojing (CHN) (1997)											
FINAL	- 2019 Chinese World Championships Trials (Shenyang, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>										
date	03-Aug-19	time	6.43	11.66	17.12	22.93	22.93	8 / 1			
reaction time		interval		5.23	5.46	5.81	PB	# of strides	11.66	11.27	0.39
wind	0.2 m/s	velocity	7.78	9.56	9.16	8.61	8.72		8.58	8.87	
Chukwuma, Rosemary (NGR) (2001)											
Heat 1	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	18-Jul-22	time		11.68		22.93	22.93	3 / 5			
reaction time	0.189	interval				11.25		# of strides	11.68	11.25	0.43
wind	2.5 m/s	velocity		8.56		8.89	8.72	101.0	8.56	8.89	
Mboma, Christine (NAM) (2003)											
Semi-Final 2	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Longines Timing (2022) - commonwealth games race analysis</i>										
date	05-Aug-22	time	6.4	11.8	17.2	22.93	22.93	6 / 1			
reaction time	0.179	interval		5.40	5.40	5.73		# of strides	11.80	11.13	0.67
wind	0.0 m/s	velocity	7.81	9.26	9.26	8.73	8.72	97.5	8.47	8.98	
Whyte, Madison (USA) (2004)											
Heat 1	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	27-Jun-24	time	6.45	11.66	17.09	22.93	22.93	4 / 4			
reaction time		interval		5.21	5.43	5.84		# of strides	11.66	11.27	0.39

wind	0.5 m/s	velocity	7.75	9.60	9.21	8.56	8.72	89.7	8.58	8.87	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 London Athletics Meet (London, GBR)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	20-Jul-24	time	6.43	11.58	16.98	22.93	22.93	2 / 7			
reaction time	0.188	interval		5.15	5.40	5.95		# of strides	11.58	11.35	0.23
wind	-0.9 m/s	velocity	7.78	9.71	9.26	8.40	8.72		8.64	8.81	
Jiya, Tasa (NED) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Athletissima (Lausanne, SUI)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	22-Aug-24	time	6.39	11.61	17.04	22.93	22.93	6 / 3			
reaction time	0.160	interval		5.22	5.43	5.89		# of strides	11.61	11.32	0.29
wind	0.9 m/s	velocity	7.82	9.58	9.21	8.49	8.72		8.61	8.83	
Neita, Daryll (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.34	11.47	16.88	22.93	22.93	6 / 8			
reaction time	0.190	interval		5.13	5.41	6.05		# of strides	11.47	11.46	0.01
wind	1.1 m/s	velocity	7.89	9.75	9.24	8.26	8.72	91.2	8.72	8.73	
Carter, Jassani (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 USATF Championships (Eugene, OR)			<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>								
date	03-Aug-25	time	6.32	11.56	17.12	22.93	22.93	8 / 7			
reaction time		interval		5.24	5.56	5.81		# of strides	11.56	11.37	0.19
wind	0.0 m/s	velocity	7.91	9.54	8.99	8.61	8.72		8.65	8.80	
Henriksson, Julia (SWE) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	18-Sep-25	time		11.61		22.93	22.93	3 / 7			
reaction time	0.165	interval				11.32		# of strides	11.61	11.32	0.29
wind	0.1 m/s	velocity		8.61		8.83	8.72	97.2	8.61	8.83	
Jett, Kisha (USA) (1975)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time		11.65	16.93	22.94	22.94	6 / 4			
reaction time		interval			5.28	6.01		# of strides	11.65	11.29	0.36
wind	-0.5 m/s	velocity		8.58	9.47	8.32	8.72		8.58	8.86	
Myrick, Wylesheia (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>								
date	16-Jul-04	time	6.37	11.63	16.98	22.94	22.94	7 / 3			
reaction time		interval		5.26	5.35	5.96	PB	# of strides	11.63	11.31	0.32
wind	-0.1 m/s	velocity	7.85	9.51	9.35	8.39	8.72	100.5	8.60	8.84	
Knight, Bianca (USA) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)			<i>USATF Women's Sprint Development (2006)</i>								
date	23-Jun-06	time	6.64	11.58	17.08	22.94	22.94	3 / 2			
reaction time		interval		4.94	5.50	5.86	PB	# of strides	11.58	11.36	0.22
wind	0.9 m/s	velocity	7.53	10.12	9.09	8.53	8.72		8.64	8.80	
Williams, Lauryn (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)			<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>								
date	22-Sep-07	time	6.34	11.49	16.96	22.94	22.94	8 / 5			
reaction time		interval		5.15	5.47	5.98		# of strides	11.49	11.45	0.04
wind	0.5 m/s	velocity	7.89	9.71	9.14	8.36	8.72		8.70	8.73	
White, Cierra (USA) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 NCAA Championships (Eugene, OR)			<i>Track Newsletter (2015) - NCAA women's championships</i>								
date	13-Jun-15	time		11.7		22.9	22.94	1 / 7			
reaction time		interval				11.20		# of strides	11.70	11.20	0.50
wind	1.9 m/s	velocity		8.55		8.93	8.72		8.55	8.93	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Weltklasse (Zürich, SUI)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	31-Aug-23	time	6.32	11.50	16.99	22.94	22.94	2 / 8			
reaction time	0.145	interval		5.18	5.49	5.95		# of strides	11.50	11.44	0.06

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

wind	-0.8 m/s	velocity	7.91	9.65	9.11	8.40	8.72	102.0	8.70	8.74	
Hodge, Aadaejah (IVB) (2006)											
Repechage 1 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.40	11.56	17.01	22.94	22.94	7 / 2			
reaction time	0.140	interval		5.16	5.45	5.93		# of strides	11.56	11.38	0.18
wind	0.6 m/s	velocity	7.81	9.69	9.17	8.43	8.72	104.0	8.65	8.79	
Hunt, Amy (GBR) (2002)											
FINAL - 2025 Athlos (Randalls Island, NY)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Athlos and Karmarush (2025). Athlos results and race analysis</i>											
date	10-Oct-25	time	6.26	11.47	16.92	22.94	22.94	5 / 6			
reaction time		interval		5.21	5.45	6.02		# of strides	11.47	11.47	0.00
wind	1.9 m/s	velocity	7.99	9.60	9.17	8.31	8.72	93.0	8.72	8.72	
Taplin, Cheryl (USA) (1972)											
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (1996)</i>											
date	22-Jun-96	time		11.67	17.18	22.95	22.95	4 / 4			
reaction time		interval			5.51	5.77		# of strides	11.67	11.28	0.39
wind	0.5 m/s	velocity		8.57	9.07	8.67	8.71		8.57	8.87	
Solomon, Shalonda (USA) (1985)											
FINAL - 2005 USATF National Championships (Carson, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2005)</i>											
date	26-Jun-05	time	6.61	11.67	16.62	22.95	22.95	3 / 7			
reaction time		interval		5.06	4.95	6.33		# of strides	11.67	11.28	0.39
wind	0.3 m/s	velocity	7.56	9.88	10.10	7.90	8.71	97.7	8.57	8.87	
Clark, Tamara (USA) (1999)											
FINAL - 2021 Herculis Meeting International d'Athletisme (Monaco, MON)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2021) - diamond league race analysis</i>											
date	09-Jul-21	time	6.3	11.5	17.1	22.95	22.95	8 / 6			
reaction time	0.174	interval		5.20	5.60	5.85		# of strides	11.50	11.45	0.05
wind	0.7 m/s	velocity	7.94	9.62	8.93	8.55	8.71	101.0	8.70	8.73	
Bryant, Dezerea (USA) (1993)											
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2019) - diamond league race analysis</i>											
date	13-Jul-21	time	6.3	11.5	17.0	22.95	22.95	6 / 6			
reaction time	0.156	interval		5.20	5.50	5.95		# of strides	11.50	11.45	0.05
wind	0.2 m/s	velocity	7.94	9.62	9.09	8.40	8.71	103.0	8.70	8.73	
Jiya, Tasa (NED) (1997)											
FINAL - 2024 Memorial van damme (Brussels, BEL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	14-Sep-24	time	6.53	11.75	17.22	22.95	22.95	3 / ~~5~~ 4			
reaction time	0.178	interval		5.22	5.47	5.73		# of strides	11.75	11.20	0.55
wind	0.2 m/s	velocity	7.66	9.58	9.14	8.73	8.71	93.0	8.51	8.93	
Anderson, Alexandria (USA) (1987)											
FINAL - 2005 USATF National Junior Championships (Carson, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2005)</i>											
date	24-Jun-05	time		11.61	17.11	22.96	22.96	5 / 2			
reaction time		interval			5.50	5.85	PB	# of strides	11.61	11.35	0.26
wind	0.6 m/s	velocity		8.61	9.09	8.55	8.71		8.61	8.81	
Rodriquez, Carol (PUR) (1985)											
FINAL - 2006 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	10-Jun-06	time		11.7		23.0	22.96	4 / 4			
reaction time		interval				11.30		# of strides	11.70	11.30	0.40
wind	0.8 m/s	velocity		8.55		8.85	8.71	97.5	8.55	8.85	
Williams, Monique (NZL) (1985)											
Heat 3 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	6.41	11.53	17.01	22.96	22.96	5 / 2			
reaction time	0.144	interval		5.12	5.48	5.95	NR	# of strides	11.53	11.43	0.10
wind	0.0 m/s	velocity	7.80	9.77	9.12	8.40	8.71	92.0	8.67	8.75	
Baptiste, Kelly-Ann (TTO) (1986)											
Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	20-Aug-09	time	6.37	11.53	16.98	22.96	22.96	3 / 4			
reaction time	0.156	interval		5.16	5.45	5.98		# of strides	11.53	11.43	0.10

wind	0.5 m/s	velocity	7.85	9.69	9.17	8.36	8.71	97.0	8.67	8.75	
Ferguson-McKenzie, Debbie (BAH) (1984)											
FINAL	- 2010 Great CityGames (Manchester, GBR) (200m straightaway)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	16-May-10	time		11.34	16.86	22.96	22.96	3 / 2	Jalava (2010) - www.tilastopaja.org		
reaction time		interval			5.52	6.10		# of strides	11.34	11.62	-0.28
wind	0.2 m/s	velocity		8.82	9.06	8.20	8.71	96.5	8.82	8.61	
Ferguson-McKenzie, Debbie (BAH) (1984)											
FINAL	- 2011 IAAF World Championships (Daegu, KOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	02-Sep-11	time		11.7		22.96	22.96	1 / 6	Butler (2013) - IAAF world championships statistics handbook- moscow 2013		
reaction time	0.157	interval				11.26		# of strides	11.70	11.26	0.44
wind	-1.0 m/s	velocity		8.55		8.88	8.71		8.55	8.88	
Lalova-Collio, Ivet (BUL) (1984)											
Semi-Final 1	- 2017 IAAF World Championships (London, GBR)Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Aug-17	time		11.36	16.84	22.81	22.96	7 / 3			
reaction time	0.148	interval			5.48	5.97		# of strides	11.36	11.45	-0.09
wind	-0.2 m/s	velocity		8.80	9.12	8.38	8.71	99.0	8.80	8.73	
Odiong, Ofonime (BRN) (1997)											
FINAL	- 2018 Asian Games (Jakarta, INA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	29-Aug-18	time		6.48	11.64	17.07	22.96	22.96	6 / 1	Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018	
reaction time	0.166	interval			5.16	5.43	5.89	# of strides	11.64	11.32	0.32
wind	-0.7 m/s	velocity		7.72	9.69	9.21	8.49	8.71	98.2	8.59	8.83
Hodge, Adayjah (IVB) (2006)											
Semi-Final 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	24-Aug-23	time		11.68		22.96	22.96	2 / 7	Seiko Timing (2023) - world championship race analysis		
reaction time	0.154	interval				11.28		# of strides	11.68	11.28	0.40
wind	-0.2 m/s	velocity		8.56		8.87	8.71	101.2	8.56	8.87	
Jiya, Tasa (NED) (1997)											
FINAL	- 2023 Memorial van Damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	08-Sep-23	time		6.42	11.60	17.08	22.96	22.96	1 / 6	Omega Timing (2023) - diamond league race analysis	
reaction time	0.170	interval			5.18	5.48	5.88	# of strides	11.60	11.36	0.24
wind	0.2 m/s	velocity		7.79	9.65	9.12	8.50	8.71	93.0	8.62	8.80
Lewis, Torrie (AUS) (2005)											
FINAL	- 2024 Xiamen Diamond League (Xiamen, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Apr-24	time		6.35	11.48	16.95	22.96	22.96	9 / 1	Omega Timing (2024) - diamond league race analysis	
reaction time	0.153	interval			5.13	5.47	6.01	# of strides	11.48	11.48	0.00
wind	-0.4 m/s	velocity		7.87	9.75	9.14	8.32	8.71	96.7	8.71	8.71
Blackmon, Kennedy (USA) (1999)											
Semi-Final 2	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-Jun-24	time		6.50	11.77	17.26	22.96	22.96	2 / 5	USATF and Karmarush (2024) - USA Olympic trials results and race analysis	
reaction time		interval			5.27	5.49	5.70	# of strides	11.77	11.19	0.58
wind	0.6 m/s	velocity		7.69	9.49	9.11	8.77	8.71	95.7	8.50	8.94
Hunt, Amy (GBR) (2002)											
FINAL	- 2024 London Athletics Meet (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Jul-24	time		6.54	11.79	17.15	22.96	22.96	1 / 8	Omega Timing (2024) - diamond league race analysis	
reaction time	0.177	interval			5.25	5.36	5.81	# of strides	11.79	11.17	0.62
wind	-0.9 m/s	velocity		7.65	9.52	9.33	8.61	8.71	8.48	8.95	
Pryce, Nickisha (JAM) (2001)											
Long Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Jun-25	time		6.44	11.70	17.15	22.96	22.96	8 / 5	Grand Slam Track (2025) - results and splits by race	
reaction time	0.250	interval			5.26	5.45	5.81	# of strides	11.70	11.26	0.44
wind	1.6 m/s	velocity		7.76	9.51	9.17	8.61	8.71	92.0	8.55	8.88
Moore, LaShaunte'a (USA) (1983)											
FINAL	- 2007 IAAF World Championships (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	31-Aug-07	time		11.5		22.97	22.97	9 / 7	Butler (2013) - IAAF world championships statistics handbook- moscow 2013		
reaction time	0.204	interval				11.47		# of strides	11.50	11.47	0.03

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DV=Drug Violation

wind	1.7 m/s	velocity	8.70	8.72	8.71	94.5	8.70	8.72	
Jones-Ferrette, LaVerne (ISV) (1981)									
Heat 5	- 2009 IAAF World Championships (Berlin, GER)								<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>
date	19-Aug-09	time	6.17	11.24	16.75	22.97	22.97	4 / 3	
reaction time	0.142	interval		5.07	5.51	6.22		# of strides	11.24 11.73 -0.49
wind	0.1 m/s	velocity	8.10	9.86	9.07	8.04	8.71	99.0	8.90 8.53
Ekelund, Irene (SWE) (1997)									
FINAL	- 2014 IAAF World Junior Championships (Eugene, OR)								<i>Track Newsletter (2014) - World Junior championships women</i>
date	25-Jul-14	time		11.7		23.0	22.97	4 / 2	
reaction time	0.190	interval				11.30		# of strides	11.70 11.30 0.40
wind	2.4 m/s	velocity		8.55		8.85	8.71		8.55 8.85
Martin, Jada (USA) (1995)									
FINAL	- 2015 NCAA Championships (Eugene, OR)								<i>Track Newsletter (2015) - NCAA women's championships</i>
date	13-Jun-15	time		11.8		23.0	22.97	/ 8	
reaction time		interval				11.20		# of strides	11.80 11.20 0.60
wind	1.9 m/s	velocity		8.47		8.93	8.71		8.47 8.93
Akinosun, Morolake (USA) (1994)									
FINAL	- 2021 Bauhaus Galan (Stockholm, SWE)								<i>Omega Timing (2021) - diamond league race analysis</i>
date	04-Jul-21	time	6.5	11.8	17.2	22.97	22.97	4 / 5	
reaction time	0.161	interval		5.30	5.40	5.77		# of strides	11.80 11.17 0.63
wind	-0.4 m/s	velocity	7.69	9.43	9.26	8.67	8.71	105.7	8.47 8.95
Schwab, Corinna (GER) (1999)									
FINAL	- 2021 Athletissima (Lausanne, SUI)								<i>Omega Timing (2021) - diamond league race analysis</i>
date	26-Aug-21	time	6.5	11.6	17.1	22.97	22.97	5 / 2	
reaction time	0.150	interval		5.10	5.50	5.87		# of strides	11.60 11.37 0.23
wind	2.5 m/s	velocity	7.69	9.80	9.09	8.52	8.71	97.0	8.62 8.80
Felix, Allyson (USA) (1985)									
FINAL	- 2022 Golden Gala Pietro Mennea (Rome, ITA)								<i>Omega Timing (2022) - diamond league race analysis</i>
date	09-Jun-22	time	6.36	11.53	16.99	22.97	22.97	8 / 7	
reaction time	0.159	interval		5.17	5.46	5.98		# of strides	11.53 11.44 0.09
wind	1.3 m/s	velocity	7.86	9.67	9.16	8.36	8.71	94.0	8.67 8.74
Jiya, Tasa (NED) (1997)									
Heat 5	- 2023 World Athletics Championships (Budapest, HUN)								<i>Seiko Timing (2023) - world championship race analysis</i>
date	23-Aug-23	time		11.59		22.97	22.97	4 / 3	
reaction time	0.162	interval				11.38		# of strides	11.59 11.38 0.21
wind	-1.3 m/s	velocity		8.63		8.79	8.71	93.0	8.63 8.79
Kelley, Tiriah (USA) (2004)									
Heat 1	- 2024 USA Olympic Trials (Eugene, OR)								<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>
date	27-Jun-24	time	6.24	11.60	17.01	22.97	22.97	9 / 5	
reaction time		interval		5.36	5.41	5.96		# of strides	11.60 11.37 0.23
wind	0.5 m/s	velocity	8.01	9.33	9.24	8.39	8.71	93.7	8.62 8.80
Anning, Amber (GBR) (2000)									
Long Sprints	- 2025 Grand Slam Track Miami (Miramar, FL)								<i>Grand Slam Track (2025) - results and splits by race</i>
date	04-May-25	time	6.56	11.79	17.21	22.97	22.97	8 / 6	
reaction time	0.250	interval		5.23	5.42	5.76		# of strides	11.79 11.18 0.61
wind	1.0 m/s	velocity	7.62	9.56	9.23	8.68	8.71	90.0	8.48 8.94
Holmes, Alexis (USA) (2000)									
Long Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)								<i>Grand Slam Track (2025) - results and splits by race</i>
date	01-Jun-25	time	6.51	11.80	17.31	22.97	22.97	5 / 6	
reaction time	0.145	interval		5.29	5.51	5.66		# of strides	11.80 11.17 0.63
wind	1.6 m/s	velocity	7.68	9.45	9.07	8.83	8.71	92.2	8.47 8.95
Emmanouilidou, Polyniki (GRE) (2003)									
B FINAL	- 2025 European Team Championships, First Division (Madrid, ESP)								<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>
date	29-Jun-25	time	6.43	11.65	17.04	22.97	22.97	/ 4	
reaction time	0.162	interval		5.22	5.39	5.93		# of strides	11.65 11.32 0.33

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DV=Drug Violation

wind	-0.2 m/s	velocity	7.78	9.58	9.28	8.43	8.71		8.58	8.83	
Günther-Reiger, Sabine (GDR) (1963)											
FINAL	- 1986 European Championships (Stuttgart, FRG)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Veney - 200m women from PJ											
date	29-Jun-86	time		11.63		22.98	22.98	1 / 7			
reaction time	0.163	interval				11.35		# of strides	11.63	11.35	0.28
wind	-0.8 m/s	velocity		8.60		8.81	8.70		8.60	8.81	
Philipp, Andrea (GER) (1971)											
FINAL	- 1997 European Cup (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jung (2003) - http://www.fgs.uni-halle.de											
date	22-Jun-97	time	6.49	11.72	17.13	22.98	22.98	/ 2			
reaction time		interval		5.23	5.41	5.85	=PB	# of strides	11.72	11.26	0.46
wind	-0.2 m/s	velocity	7.70	9.56	9.24	8.55	8.70		8.53	8.88	
Daigle, Angela (USA) (1971)											
Heat 3	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2004)											
date	16-Jul-04	time	6.39	11.71	17.12	22.98	22.98	4 / 4			
reaction time		interval		5.32	5.41	5.86	PB	# of strides	11.71	11.27	0.44
wind	-0.1 m/s	velocity	7.82	9.40	9.24	8.53	8.70	99.7	8.54	8.87	
Jeter, Carmelita (USA) (1979)											
FINAL	- 2008 IAAF World Athletics Final (Stuttgart, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - http://www.fgs.uni-halle.de											
date	13-Sep-08	time	6.60	11.83	17.20	22.98	22.98	6 / 5			
reaction time	0.170	interval		5.23	5.37	5.78		# of strides	11.83	11.15	0.68
wind	0.1 m/s	velocity	7.58	9.56	9.31	8.65	8.70		8.45	8.97	
Freeman, Emily (GBR) (1986)											
FINAL	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships											
date	21-Aug-09	time	6.33	11.47	16.96	22.98	22.98	2 / 7			
reaction time	0.141	interval		5.14	5.49	6.02		# of strides	11.47	11.51	-0.04
wind	-0.1 m/s	velocity	7.90	9.73	9.11	8.31	8.70	100.0	8.72	8.69	
Lalova-Collio, Ivet (BUL) (1984)											
FINAL	- 2017 Seiko Golden Grand Prix (Kawasaki, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takahashi (2017) - 200m running performance analysis in the 2017 season											
date	21-May-17	time	6.40	11.61	17.08	22.98	22.98	4 / 1			
reaction time	0.145	interval		5.21	5.47	5.90		# of strides	11.61	11.37	0.24
wind	0.6 m/s	velocity	7.81	9.60	9.14	8.47	8.70	97.0	8.61	8.80	
Ge Manqi (CHN) (1997)											
FINAL	- 2021 Chinese National Championships (Chongqing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
CAA Hurdle Development (2021)											
date	27-Jun-21	time		11.63	17.08	22.98	22.98	5 / 1			
reaction time	0.169	interval			5.45	5.90		# of strides	11.63	11.35	0.28
wind	-0.2 m/s	velocity		8.60	9.17	8.47	8.70	95.0	8.60	8.81	
Okagbare, Blessing (NGR) (1988)											
FINAL	- 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2021) - diamond league race analysis											
date	09-Jul-21	time	6.4	11.5	17.0	22.98	22.98	4 / 7			
reaction time	0.140	interval		5.10	5.50	5.98		# of strides	11.50	11.48	0.02
wind	0.7 m/s	velocity	7.81	9.80	9.09	8.36	8.70	93.2	8.70	8.71	
Kielbasinska, Anna (POL) (1990)											
FINAL	- 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2023) - diamond league race analysis											
date	28-May-23	time	6.42	11.75	17.18	22.98	22.98	8 / 6			
reaction time	0.161	interval		5.33	5.43	5.80		# of strides	11.75	11.23	0.52
wind	0.8 m/s	velocity	7.79	9.38	9.21	8.62	8.70	97.0	8.51	8.90	
Odiog, Ofonime (BRN) (1997)											
Heat 1	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Timing by Seiko (2022) - world athletics championships race analysis											
date	18-Jul-22	time		11.61		22.98	22.98	8 / 6			
reaction time	0.157	interval				11.37		# of strides	11.61	11.37	0.24
wind	2.5 m/s	velocity		8.61		8.80	8.70	96.0	8.61	8.80	
Battle, Anavia (USA) (1999)											
FINAL	- 2024 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2024) - diamond league race analysis											
date	02-Jun-24	time	6.38	11.55	16.95	22.98	22.98	3 / 4			
reaction time	0.140	interval		5.17	5.40	6.03		# of strides	11.55	11.43	0.12

wind	-2.0 m/s	velocity	7.84	9.67	9.26	8.29	8.70	97.5	8.66	8.75	
Sturgis, Cambrea (USA) (1999)			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	6.42	11.75	17.25	22.98	22.98	3 / 6			
reaction time		interval		5.33	5.50	5.73		# of strides	11.75	11.23	0.52
wind	1.8 m/s	velocity	7.79	9.38	9.09	8.73	8.70	99.0	8.51	8.90	
Effiong, Rosey (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	6.38	11.61	17.03	22.98	22.98	3 / 6			
reaction time		interval		5.23	5.42	5.95		# of strides	11.61	11.37	0.24
wind	0.5 m/s	velocity	7.84	9.56	9.23	8.40	8.70	96.0	8.61	8.80	
Fotopoulou, Oliva (CYP) (1996)			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	05-Aug-24	time	6.39	11.56	17.04	22.98	22.98	2 / 8			
reaction time	0.152	interval		5.17	5.48	5.94		# of strides	11.56	11.42	0.14
wind	0.1 m/s	velocity	7.82	9.67	9.12	8.42	8.70	99.0	8.65	8.76	
Williams, Stacey-Ann (JAM) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			Grand Slam Track (2025) - results and splits by race								
date	04-May-25	time	6.61	11.92	17.22	22.98	22.98	2 / 7			
reaction time	0.160	interval		5.31	5.30	5.76		# of strides	11.92	11.06	0.86
wind	1.0 m/s	velocity	7.56	9.42	9.43	8.68	8.70	96.0	8.39	9.04	
Fotopoulou, Oliva (CYP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.62		22.98	22.98	2 / 5			
reaction time	0.149	interval				11.36		# of strides	11.62	11.36	0.26
wind	-0.3 m/s	velocity		8.61		8.80	8.70	99.0	8.61	8.80	
Idoabigeiru, Fuka (JPN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.52		22.98	22.98	4 / 5			
reaction time	0.186	interval				11.46		# of strides	11.52	11.46	0.06
wind	0.0 m/s	velocity		8.68		8.73	8.70	98.0	8.68	8.73	
Annum, Alice (GHA) (1948)			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	09-Jul-72	time		11.54	17.00	22.99	22.99	8 / 7			
reaction time		interval			5.46	5.99		# of strides	11.54	11.45	0.09
wind	1.1 m/s	velocity		8.67	9.16	8.35	8.70	102.2	8.67	8.73	
Jenkins, LaTasha (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 USA Olympic Trials (Sacramento, CA)			Track Newsletter (2000) - US olympic trials								
date	23-Jul-00	time		11.8		23.0	22.99	3 / 7			
reaction time		interval				11.2		# of strides	11.80	11.20	0.60
wind	0.5 m/s	velocity		8.47		8.93	8.70		8.47	8.93	
Campbell, Juliet (JAM) (1970)			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	10-Aug-01	time		11.3		22.99	22.99	2 / ~~6~~ 4			
reaction time	0.169	interval				11.7		# of strides	11.30	11.69	-0.39
wind	-0.8 m/s	velocity		8.85		8.55	8.70	91.0	8.85	8.55	
Mayr-Krifka, Karin (AUT) (1971)			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	6.44	11.59	17.06	22.99	22.99	/ 3			
reaction time	0.170	interval		5.15	5.47	5.93		# of strides	11.59	11.40	0.19
wind	1.0 m/s	velocity	7.76	9.71	9.14	8.43	8.70		8.63	8.77	
Durst, Stephanie (USA) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)								
date	18-Jul-04	time	6.26	11.46	16.90	22.99	22.99	3 / ~~8~~ 7			
reaction time		interval		5.20	5.44	6.09		# of strides	11.46	11.53	-0.07

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wind	-1.2 m/s	velocity	7.99	9.62	9.19	8.21	8.70	98.7	8.73	8.67	
Durst, Stephanie (USA) (1982)											
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	USATF Women's Sprint Development with HPC (2008)										
date	05-Jul-08	time	6.35	11.52	16.97	22.99	22.99	2 / 6			
reaction time		interval		5.17	5.45	6.02		# of strides	11.52	11.47	0.05
wind	0.0 m/s	velocity	7.87	9.67	9.17	8.31	8.70		8.68	8.72	
Thomas, Gabrielle (USA) (1996)											
FINAL	- 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Omega Timing (2019) - diamond league race analysis										
date	12-Jul-19	time	6.6	11.8	17.2	22.99	22.99	2 / 7			
reaction time	0.183	interval		5.2	5.4	5.79		# of strides	11.80	11.19	0.61
wind	0.1 m/s	velocity	7.58	9.62	9.26	8.64	8.70	90.2	8.47	8.94	
Jefferson, Kyra (USA) (1994)											
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	European Athletics (2019) - race analysis										
date	10-Sep-19	time		11.72		22.99	22.99	7 / 3			
reaction time	0.192	interval				11.27		# of strides	11.72	11.27	0.45
wind	-0.1 m/s	velocity		8.53		8.87	8.70	97.0	8.53	8.87	
Koné, Maboundou (CIV) (1997)											
FINAL	- 2023 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Omega Timing (2023) - diamond league race analysis										
date	02-Jul-23	time	6.30	11.52	17.02	22.99	22.99	6 / 5			
reaction time	0.201	interval		5.22	5.50	5.97		# of strides	11.52	11.47	0.05
wind	-0.6 m/s	velocity	7.94	9.58	9.09	8.38	8.70	101.0	8.68	8.72	
Lloyd, Joella (ANT) (2002)											
Heat 2	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Timing by Seiko (2022) - world athletics championships race analysis										
date	18-Jul-22	time		11.76		22.99	22.99	5 / 4			
reaction time	0.196	interval				11.23		# of strides	11.76	11.23	0.53
wind	-0.2 m/s	velocity		8.50		8.90	8.70	98.5	8.50	8.90	
Richardson, Sha'Carri (USA) (2000)											
FINAL	- 2024 Xiamen Diamond League (Xiamen, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Omega Timing (2024) - diamond league race analysis										
date	20-Apr-24	time	6.42	11.57	17.00	22.99	22.99	5 / 2			
reaction time	0.187	interval		5.15	5.43	5.99		# of strides	11.57	11.42	0.15
wind	-0.4 m/s	velocity	7.79	9.71	9.21	8.35	8.70	105.0	8.64	8.76	
Parisot, Helene (FRA) (1992)											
Heat 3	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Paris 2024 Olympic Games - Results Book (2024)										
date	04-Aug-24	time	6.49	11.66	17.09	22.99	22.99	3 / 3			
reaction time	0.153	interval		5.17	5.43	5.90		# of strides	11.66	11.33	0.33
wind	0.0 m/s	velocity	7.70	9.67	9.21	8.47	8.70	103.0	8.58	8.83	
Emmanouilidou, Polyniki (GRE) (2003)											
Repechage 1	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Paris 2024 Olympic Games - Results Book (2024)										
date	05-Aug-24	time	6.44	11.62	17.01	22.99	22.99	6 / 3			
reaction time	0.154	interval		5.18	5.39	5.98		# of strides	11.62	11.37	0.25
wind	0.6 m/s	velocity	7.76	9.65	9.28	8.36	8.70	105.0	8.61	8.80	
Chen Yujie (CHN) (2008)											
FINAL	- 2025 Xiamen Diamond League (Xiamen, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Omega Timing (2025) - diamond league race analysis										
date	26-Apr-25	time	6.49	11.72	17.19	22.99	22.99	1 / 4			
reaction time	0.172	interval		5.23	5.47	5.80	PB	# of strides	11.72	11.27	0.45
wind	0.4 m/s	velocity	7.70	9.56	9.14	8.62	8.70	106.0	8.53	8.87	
McCoy, Maia (LBR) (1996)											
FINAL	- 2025 Kamila Skolimowska Memorial (Chorzów, POL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Omega Timing (2025) - diamond league race analysis										
date	16-Aug-25	time	6.29	11.51	17.02	22.99	22.99	1 / 9			
reaction time	0.152	interval		5.22	5.51	5.97		# of strides	11.51	11.48	0.03
wind	-2.0 m/s	velocity	7.95	9.58	9.07	8.38	8.70	96.0	8.69	8.71	
Réga, Chantal (FRA) (1955)											
Semi-Final 2	- 1976 Olympic Games (Montreal, CAN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Breizer (1984) - sprint competition analysis										
date	28-Jul-76	time		11.60	17.21	23.00	23.00	5 / 4			
reaction time		interval			5.61	5.79	PB	# of strides	11.60	11.40	0.20

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wind	0.0 m/s	velocity	8.62	8.91	8.64	8.70		8.62	8.77		
Bikar, Alenka (SLO) (1974)											
FINAL	- 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	10-Aug-01	time		11.3		23.00	23.00	8 / 5			
reaction time	0.160	interval				11.7		# of strides	11.30	11.70	-0.40
wind	-0.8 m/s	velocity		8.85		8.55	8.70		8.85	8.55	
Rockmeier, Gabi (GER) (1973)											
FINAL	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.43	11.59	17.02	23.00	23.00	8 / 5			
reaction time	0.139	interval		5.16	5.43	5.98		# of strides	11.59	11.41	0.18
wind	-0.3 m/s	velocity	7.78	9.69	9.21	8.36	8.70		8.63	8.76	
Miller, Inger (USA) (1972)											
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.30	11.53	16.93	23.00	23.00	6 / 3			
reaction time		interval		5.23	5.40	6.07		# of strides	11.53	11.47	0.06
wind	-1.1 m/s	velocity	7.94	9.56	9.26	8.24	8.70	97.0	8.67	8.72	
Mothersill, Cydonie (CAY) (1978)											
FINAL	- 2005 IAAF World Championships (Helsinki, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - World championships- women</i>											
date	12-Aug-05	time		11.7		23.0	23.00	1 / 8			
reaction time	0.190	interval				11.30		# of strides	11.70	11.30	0.40
wind	0.2 m/s	velocity		8.55		8.85	8.70	96.2	8.55	8.85	
Baptiste, Kelly-Ann (TTO) (1986)											
Heat 2	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	6.33	11.47	16.95	23.00	23.00	5 / 2			
reaction time	0.142	interval		5.14	5.48	6.05		# of strides	11.47	11.53	-0.06
wind	0.1 m/s	velocity	7.90	9.73	9.12	8.26	8.70	97.0	8.72	8.67	
Hill, Deanna (USA) (1996)											
FINAL	- 2017 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2017) - NCAA women's championships</i>											
date	10-Jun-17	time		11.8		23.0	23.00	/ 6			
reaction time		interval				11.20		# of strides	11.80	11.20	0.60
wind	1.1 m/s	velocity		8.47		8.93	8.70		8.47	8.93	
Kambundji, Mujinga (SUI) (1992)											
Semi-Final 3	- 2017 IAAF World Championships (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time		11.19	16.68	22.87	23.00	5 / 3			
reaction time	0.129	interval			5.49	6.19		# of strides	11.19	11.68	-0.49
wind	-0.2 m/s	velocity		8.94	9.11	8.08	8.70	102.5	8.94	8.56	
Jefferson, Kyra (USA) (1994)											
FINAL	- 2019 Seiko Golden Grand Prix (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>											
date	19-May-19	time	6.43	11.58	17.06	23.00	23.00	6 / 2			
reaction time	0.176	interval		5.15	5.48	5.94		# of strides	11.58	11.42	0.16
wind	0.5 m/s	velocity	7.78	9.71	9.12	8.42	8.70	96.0	8.64	8.76	
Emmanouilidou, Polyniki (GRE) (2003)											
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time		11.71		23.00	23.00	7 / 4			
reaction time	0.163	interval				11.29		# of strides	11.71	11.29	0.42
wind	-0.7 m/s	velocity		8.54		8.86	8.70	104.7	8.54	8.86	
Blackmon, Kennedy (USA) (1999)											
Heat 1	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	27-Jun-24	time	6.39	11.71	17.14	23.00	23.00	7 / 7			
reaction time		interval		5.32	5.43	5.86		# of strides	11.71	11.29	0.42
wind	0.5 m/s	velocity	7.82	9.40	9.21	8.53	8.70	94.2	8.54	8.86	
Hodge, Adaejah (IVB) (2006)											
Heat 6	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	04-Aug-24	time	6.38	11.55	16.99	23.00	23.00	5 / 5			
reaction time	0.159	interval		5.17	5.44	6.01		# of strides	11.55	11.45	0.10

wind	0.5 m/s	velocity	7.84	9.67	9.19	8.32	8.70	103.5	8.66	8.73	
Davies, Thelma (LBR) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	18-Sep-25	time		11.51		23.00	23.00	4 / 6			
reaction time	0.172	interval				11.49		# of strides	11.51	11.49	0.02
wind	-0.3 m/s	velocity		8.69		8.70	8.70	96.0	8.69	8.70	
Tyson, Cleo (USA) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	11-Jun-05	time		11.7		23.0	23.01	4 / 3			
reaction time		interval				11.30		# of strides	11.70	11.30	0.40
wind	-0.7 m/s	velocity		8.55		8.85	8.69	95.0	8.55	8.85	
Campbell-Brown, Veronica (JAM) (19			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	19-Aug-09	time	6.36	11.47	16.97	23.01	23.01	3 / 1			
reaction time	0.156	interval		5.11	5.50	6.04		# of strides	11.47	11.54	-0.07
wind	0.0 m/s	velocity	7.86	9.78	9.09	8.28	8.69	96.7	8.72	8.67	
Facey, Simone (JAM) (1985)			50m	100m	150m	200m	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- London 2017- Women's 200m								
date	10-Aug-17	time		11.24	16.70	22.83	23.01	6 / 4			
reaction time	0.181	interval			5.46	6.13		# of strides	11.24	11.59	-0.35
wind	-0.2 m/s	velocity		8.90	9.16	8.16	8.69	101.0	8.90	8.63	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2024) - diamond league race analysis								
date	20-Apr-24	time	6.44	11.66	17.16	23.01	23.01	4 / 3			
reaction time	0.185	interval		5.22	5.50	5.85		# of strides	11.66	11.35	0.31
wind	-0.4 m/s	velocity	7.76	9.58	9.09	8.55	8.69	101.0	8.58	8.81	
Karstoft, Ida (DEN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.45	11.60	17.08	23.01	23.01	4 / 6			
reaction time	0.167	interval		5.15	5.48	5.93		# of strides	11.60	11.41	0.19
wind	0.5 m/s	velocity	7.75	9.71	9.12	8.43	8.69	91.7	8.62	8.76	
Tsimanouskaya, Krystsina (POL) (199			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	05-Aug-24	time	6.46	11.65	17.06	23.01	23.01	5 / 2			
reaction time	0.169	interval		5.19	5.41	5.95		# of strides	11.65	11.36	0.29
wind	-0.4 m/s	velocity	7.74	9.63	9.24	8.40	8.69	98.2	8.58	8.80	
Clark, Tamara (USA) (1999)			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	6.36	11.54	17.04	23.01	23.01	5 / ~~6~~ 5			
reaction time	0.162	interval		5.18	5.50	5.97		# of strides	11.54	11.47	0.07
wind	0.2 m/s	velocity	7.86	9.65	9.09	8.38	8.69	100.0	8.67	8.72	
Bass, Gina (GAM) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Invitaitional - 2024 Memorial van damme (Brussels, BEL)			Omega Timing (2024) - diamond league race analysis								
date	14-Sep-24	time	6.44	11.67	17.13	23.01	23.01	5 / 2			
reaction time	0.153	interval		5.23	5.46	5.88		# of strides	11.67	11.34	0.33
wind	0.1 m/s	velocity	7.76	9.56	9.16	8.50	8.69	101.0	8.57	8.82	
Sánchez, Miriam (MEX) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.65		23.01	23.01	4 / 4			
reaction time	0.186	interval				11.36		# of strides	11.65	11.36	0.29
wind	0.0 m/s	velocity		8.58		8.80	8.69	103.5	8.58	8.80	
Moore, LaShaunte'a (USA) (1983)			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	6.45	11.77	17.09	23.02	23.02	6 / 5			
reaction time		interval		5.32	5.32	5.93		# of strides	11.77	11.25	0.52

wind	-0.1 m/s	velocity	7.75	9.40	9.40	8.43	8.69		8.50	8.89	
Stuy, Hrystyna (UKR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 IAAF World Championships (Daegu, KOR)											
date	02-Sep-11	time		11.7		23.02	23.02	2 / 7			
reaction time	0.188	interval				11.32		# of strides	11.70	11.32	0.38
wind	-1.0 m/s	velocity		8.55		8.83	8.69	96.7	8.55	8.83	
Brown, Brittany (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 NCAA Championships (Eugene, OR)											
date	10-Jun-17	time		11.8		23.0	23.02	/ 7			
reaction time		interval				11.20		# of strides	11.80	11.20	0.60
wind	1.1 m/s	velocity		8.47		8.93	8.69		8.47	8.93	
Bass, Gina (GAM) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2023 World Athletics Championships (Budapest, HUN)											
date	23-Aug-23	time		11.83		23.02	23.02	3 / 4			
reaction time	0.155	interval				11.19		# of strides	11.83	11.19	0.64
wind	-0.4 m/s	velocity		8.45		8.94	8.69	102.5	8.45	8.94	
Battle, Anavia (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Xiamen Diamond League (Xiamen, CHN)											
date	20-Apr-24	time	6.42	11.57	16.98	23.02	23.02	3 / 4			
reaction time	0.153	interval		5.15	5.41	6.04		# of strides	11.57	11.45	0.12
wind	-0.4 m/s	velocity	7.79	9.71	9.24	8.28	8.69	98.7	8.64	8.73	
van Hünenstijn, Marije (NED) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Athletissima (Lausanne, SUI)											
date	22-Aug-24	time	6.52	11.80	17.24	23.02	23.02	2 / 4			
reaction time	0.151	interval		5.28	5.44	5.78		# of strides	11.80	11.22	0.58
wind	0.9 m/s	velocity	7.67	9.47	9.19	8.65	8.69		8.47	8.91	
Pointet, Léonie (SUI) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Athletissima (Lausanne, SUI)											
date	22-Aug-24	time	6.39	11.59	17.03	23.02	23.02	4 / 5			
reaction time	0.146	interval		5.20	5.44	5.99		# of strides	11.59	11.43	0.16
wind	0.9 m/s	velocity	7.82	9.62	9.19	8.35	8.69		8.63	8.75	
Fotopoulou, Oliva (CYP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 World Athletics Championships (Tokyo, JPN)											
date	18-Sep-25	time		11.58		23.02	23.02	2 / 8			
reaction time	0.147	interval				11.44		# of strides	11.58	11.44	0.14
wind	0.1 m/s	velocity		8.64		8.74	8.69	100.0	8.64	8.74	
Prorochenko, Tatyana (URS) (1952)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1976 Olympic Games (Montreal, CAN)											
date	28-Jul-76	time		11.5		23.0	23.03	1 / 6			
reaction time		interval				11.50		# of strides	11.50	11.50	0.00
wind	0.0 m/s	velocity		8.70		8.70	8.68		8.70	8.70	
Kasprzyk, Ewa (POL) (1957)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1983 IAAF World Championships (Helsinki, FIN)											
date	14-Aug-83	time		11.71	17.14	23.03	23.03	4 / 8			
reaction time	0.202	interval			5.43	5.89		# of strides	11.71	11.32	0.39
wind	1.5 m/s	velocity		8.54	9.21	8.49	8.68	107.2	8.54	8.83	
Mayr-Krifka, Karin (AUT) (1971)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2002 European Championships (Munich, GER)											
date	08-Aug-02	time	6.34	11.55	17.07	23.03	23.03	/ 1			
reaction time	0.141	interval		5.21	5.52	5.96		# of strides	11.55	11.48	0.07
wind	-0.6 m/s	velocity	7.89	9.60	9.06	8.39	8.68		8.66	8.71	
Félix, Sylviane (FRA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2002 European Championships (Munich, GER)											
date	08-Aug-02	time	6.44	11.57	17.01	23.03	23.03	/ 1			
reaction time	0.168	interval		5.13	5.44	6.02		# of strides	11.57	11.46	0.11

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	7.76	9.75	9.19	8.31	8.68		8.64	8.73	
Moore, LaShaunte'a (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 USATF National Championships (Indianapolis, IN)			<i>USATF Women's Sprint Development (2006)</i>								
date	25-Jun-06	time	6.49	11.62	17.08	23.03	23.03	8 / 5			
reaction time		interval		5.13	5.46	5.95		# of strides	11.62	11.41	0.21
wind	0.3 m/s	velocity	7.70	9.75	9.16	8.40	8.68		8.61	8.76	
Danois, Johanna (FRA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	6.51	11.69	17.12	23.03	23.03	7 / 5			
reaction time	0.178	interval		5.18	5.43	5.91	PB	# of strides	11.69	11.34	0.35
wind	0.5 m/s	velocity	7.68	9.65	9.21	8.46	8.68	93.2	8.55	8.82	
Haase, Rebekka (GER) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2017 IAAF World Championships (London, GBR)			<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>								
date	10-Aug-17	time		11.31	16.84	22.87	23.03	4 / 4			
reaction time	0.161	interval			5.53	6.03		# of strides	11.31	11.56	-0.25
wind	-0.2 m/s	velocity		8.84	9.04	8.29	8.68	98.2	8.84	8.65	
Schippers, Dafne (NED) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	10-Jun-21	time	6.5	11.6	17.1	23.03	23.03	4 / 6			
reaction time	0.134	interval		5.10	5.50	5.93		# of strides	11.60	11.43	0.17
wind	0.2 m/s	velocity	7.69	9.80	9.09	8.43	8.68	95.0	8.62	8.75	
Rosa, Vitoria Cristina (BRA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 FBK Games (Hengelo, NED)			<i>Omega Timing (2023) - continental tour race analysis</i>								
date	04-Jun-23	time	6.52	11.79	17.21	23.03	23.03	3 / 5			
reaction time	0.189	interval		5.27	5.42	5.82		# of strides	11.79	11.24	0.55
wind	1.4 m/s	velocity	7.67	9.49	9.23	8.59	8.68	94.7	8.48	8.90	
Nkansa, Delphine (BEL) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Invitaional - 2024 Memorial van damme (Brussels, BEL)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	14-Sep-24	time	6.39	11.62	17.11	23.03	23.03	8 / 3			
reaction time	0.140	interval		5.23	5.49	5.92	=PB	# of strides	11.62	11.41	0.21
wind	0.1 m/s	velocity	7.82	9.56	9.11	8.45	8.68	101.0	8.61	8.76	
Ellis, Kendall (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Miami (Miramar, FL)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	04-May-25	time	6.66	11.90	17.31	23.03	23.03	1 / 8			
reaction time	0.340	interval		5.24	5.41	5.72		# of strides	11.90	11.13	0.77
wind	1.0 m/s	velocity	7.51	9.54	9.24	8.74	8.68	96.0	8.40	8.98	
Young-Stone, Dannette (USA) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			<i>Veney - 200m women from PJ</i>								
date	19-Aug-93	time	6.66	11.88	17.26	23.04	23.04	1 / 8			
reaction time	0.189	interval		5.22	5.38	5.78		# of strides	11.88	11.16	0.72
wind	0.0 m/s	velocity	7.51	9.58	9.29	8.65	8.68		8.42	8.96	
Rockmeier, Gabi (GER) (1973)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2001 European Cup (Bremen, GER)			<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>								
date	24-Jun-01	time	6.46	11.65	17.12	23.04	23.04	/ 4			
reaction time	0.137	interval		5.19	5.47	5.92	PB	# of strides	11.65	11.39	0.26
wind	0.3 m/s	velocity	7.74	9.63	9.14	8.45	8.68		8.58	8.78	
Floyd, Ebonie (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 NCAA Championships (Sacramento, CA)			<i>Track Newsletter (2005) - NCAA women's championships</i>								
date	10-Jun-06	time		11.9		23.0	23.04	8 / 5			
reaction time		interval				11.10		# of strides	11.90	11.10	0.80
wind	0.8 m/s	velocity		8.40		9.01	8.68	100.5	8.40	9.01	
Barber, Mikele (USA) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	05-Jul-08	time	6.50	11.66	17.08	23.04	23.04	3 / 7			
reaction time		interval		5.16	5.42	5.96		# of strides	11.66	11.38	0.28

wind	0.0 m/s	velocity	7.69	9.69	9.23	8.39	8.68		8.58	8.79	
Hill, Deanna (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 USATF National Championships (Sacramento, CA)								<i>Track Newsletter (2017) - USATF championships women</i>			
date	25-Jun-17	time		11.6		23.0	23.04	/ 6			
reaction time		interval				11.40		# of strides	11.60	11.40	0.20
wind	-2.5 m/s	velocity		8.62		8.77	8.68		8.62	8.77	
Dobbin, Beth (GBR) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	18-Jul-22	time		11.70		23.04	23.04	8 / 4			
reaction time	0.117	interval				11.34		# of strides	11.70	11.34	0.36
wind	1.1 m/s	velocity		8.55		8.82	8.68	98.2	8.55	8.82	
Koné, Maboundou (CIV) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Bauhaus Galan (Stockholm, SWE)								<i>Omega Timing (2024) - diamond league race analysis</i>			
date	02-Jun-24	time	6.42	11.66	17.09	23.04	23.04	7 / 5			
reaction time	0.179	interval		5.24	5.43	5.95		# of strides	11.66	11.38	0.28
wind	-2.0 m/s	velocity	7.79	9.54	9.21	8.40	8.68	100.7	8.58	8.79	
Effiong, Rosey (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)								<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>			
date	28-Jun-24	time	6.58	11.81	17.29	23.04	23.04	3 / 6			
reaction time		interval		5.23	5.48	5.75		# of strides	11.81	11.23	0.58
wind	0.6 m/s	velocity	7.60	9.56	9.12	8.70	8.68	97.0	8.47	8.90	
Caicedo, Nicole (ECU) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 3 - 2024 Olympic Games (Paris, FRA)								<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	05-Aug-24	time	6.40	11.61	17.10	23.04	23.04	7 / 3			
reaction time	0.196	interval		5.21	5.49	5.94		# of strides	11.61	11.43	0.18
wind	-0.4 m/s	velocity	7.81	9.60	9.11	8.42	8.68	95.5	8.61	8.75	
Niemczyk, Magalena (POL) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2025 European Team Championships, First Division (Madrid, ESP)								<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>			
date	29-Jun-25	time	6.28	11.42	16.86	23.04	23.04	/ 5			
reaction time	0.160	interval		5.14	5.44	6.18		# of strides	11.42	11.62	-0.20
wind	-0.2 m/s	velocity	7.96	9.73	9.19	8.09	8.68		8.76	8.61	
Jæger, Henriette (NOR) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 European Athletics U23 Championships (Bergen, NOR)								<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>			
date	19-Jul-25	time	6.35	11.59	17.08	23.04	23.04	5 / 1			
reaction time	0.120	interval		5.24	5.49	5.96		# of strides	11.59	11.45	0.14
wind	-1.5 m/s	velocity	7.87	9.54	9.11	8.39	8.68		8.63	8.73	
Pointet, Léonie (SUI) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN)								<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>			
date	17-Sep-25	time		11.56		23.04	23.04	9 / 4			
reaction time	0.149	interval				11.48		# of strides	11.56	11.48	0.08
wind	0.1 m/s	velocity		8.65		8.71	8.68	105.0	8.65	8.71	
Emmanouilidou, Polyniki (GRE) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2025 World Athletics Championships (Tokyo, JPN)								<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>			
date	18-Sep-25	time		11.64		23.04	23.04	5 / 7			
reaction time	0.165	interval				11.40		# of strides	11.64	11.40	0.24
wind	-0.3 m/s	velocity		8.59		8.77	8.68	104.5	8.59	8.77	
Robertson, Denise (AUS) (1952)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1976 Olympic Games (Montreal, CAN)								<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>			
date	28-Jul-76	time		11.5		23.1	23.05	3 / 7			
reaction time		interval				11.60		# of strides	11.50	11.60	-0.10
wind	0.0 m/s	velocity		8.70		8.62	8.68		8.70	8.62	
Kasprzyk, Ewa (POL) (1957)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1985 World Cup (Canberra, AUS)								<i>Veney - 200m women from PJ</i>			
date	04-Oct-85	time		11.7		23.05	23.05	6 / 4			
reaction time		interval				11.35		# of strides	11.70	11.35	0.35

wind	-0.7 m/s	velocity	8.55	8.81	8.68		8.55	8.81	
Lee, Muna (USA) (1981)									
FINAL	- 2001 NCAA Championships (Eugene, OR)						Track Newsletter (2001) - NCAA championships		
date	02-Jun-01	time	11.6	23.1	23.05	5 / 2			
reaction time		interval		11.5		# of strides	11.60	11.50	0.10
wind	2.1 m/s	velocity	8.62	8.70	8.68	101.0	8.62	8.70	
White, Kellie (USA) (1977)									
FINAL	- 2001 Goodwill Games (Brisbane, AUS)						Butler (2013) - IAAF world championships statistics handbook- moscow 2013		
date	05-Sep-01	time	11.4	23.1	23.05	1 / 2			
reaction time		interval		11.7	DV	# of strides	11.40	11.70	-0.30
wind	-1.8 m/s	velocity	8.77	8.55	8.68		8.77	8.55	
Daigle, Angela (USA) (1976)									
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)						USATF Women's Sprint Development (2004)		
date	17-Jul-04	time	6.39	11.76	17.15	23.05	23.05	8 / 4	
reaction time		interval	5.37	5.39	5.90		# of strides	11.76	11.29
wind	-1.1 m/s	velocity	7.82	9.31	9.28	8.47	8.68	100.0	0.47
							8.50	8.86	
Floyd, Ebonie (USA) (1983)									
Quarter-Final 2	- 2008 USA Olympic Trials (Eugene, OR)						USATF Women's Sprint Development with HPC (2008)		
date	05-Jul-08	time	6.62	12.02	17.31	23.05	23.05	6 / 1	
reaction time		interval	5.40	5.29	5.74		# of strides	12.02	11.03
wind	1.3 m/s	velocity	7.55	9.26	9.45	8.71	8.68	8.32	0.99
								9.07	
Artymata, Eleni (CYP) (1986)									
FINAL	- 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
date	21-Aug-09	time	6.51	11.70	17.17	23.01	23.05	1 / 8	
reaction time	0.176	interval	5.19	5.47	5.84		# of strides	11.70	11.31
wind	-0.1 m/s	velocity	7.68	9.63	9.14	8.56	8.68	92.7	0.39
							8.55	8.84	
Cooper, Elise (USA) (2007)									
Heat 2	- 2024 USA Olympic Trials (Eugene, OR)						USATF and Karmarush (2024) - USA Olympic trials results and race analysis		
date	27-Jun-24	time	6.37	11.60	17.23	23.05	23.05	5 / 3	
reaction time		interval	5.23	5.63	5.82		# of strides	11.60	11.45
wind	0.8 m/s	velocity	7.85	9.56	8.88	8.59	8.68	91.5	0.15
							8.62	8.73	
Dickson, Camryn (USA) (2004)									
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	6.53	11.80	17.26	23.05	23.05	3 / 8	
reaction time		interval	5.27	5.46	5.79		# of strides	11.80	11.25
wind	1.4 m/s	velocity	7.66	9.49	9.16	8.64	8.68	101.7	0.55
							8.47	8.89	
Takács, Boglárka (HUN) (2001)									
Repechage 2	- 2024 Olympic Games (Paris, FRA)						Paris 2024 Olympic Games - Results Book (2024)		
date	05-Aug-24	time	6.43	11.58	17.02	23.05	23.05	8 / 2	
reaction time	0.149	interval	5.15	5.44	6.03		# of strides	11.58	11.47
wind	0.6 m/s	velocity	7.78	9.71	9.19	8.29	8.68	97.5	0.11
							8.64	8.72	
Takács, Boglárka (HUN) (2001)									
Invitational	- 2024 Memorial van damme (Brussels, BEL)						Omega Timing (2024) - diamond league race analysis		
date	14-Sep-24	time	6.42	11.56	17.05	23.05	23.05	7 / 4	
reaction time	0.162	interval	5.14	5.49	6.00		# of strides	11.56	11.49
wind	0.1 m/s	velocity	7.79	9.73	9.11	8.33	8.68	98.7	0.07
							8.65	8.70	
Lewis, Torrie (AUS) (2005)									
FINAL	- 2025 London Athletics Meet (London, GBR)						Omega Timing (2025) - diamond league race analysis		
date	19-Jul-25	time	6.28	11.49	16.97	23.05	23.05	1 / 8	
reaction time	0.154	interval	5.21	5.48	6.08		# of strides	11.49	11.56
wind	-0.6 m/s	velocity	7.96	9.60	9.12	8.22	8.68	97.0	-0.07
							8.70	8.65	
Mayr-Krifka, Karin (AUT) (1971)									
FINAL	- 2002 European Championships (Munich, GER)						Graubner (2009) - http://www.fgs.uni-halle.de		
date	09-Aug-02	time	6.39	11.56	17.04	23.06	23.06	2 / 6	
reaction time	0.147	interval	5.17	5.48	6.02		# of strides	11.56	11.50
								0.06	

wind	-0.3 m/s	velocity	7.82	9.67	9.12	8.31	8.67		8.65	8.70	
Bolsun, Yelena (RUS) (1982)											
Heat 4	2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
date	19-Aug-09	time	6.37	11.50	17.00	23.06	23.06	4 / 4			
reaction time	0.139	interval		5.13	5.50	6.06		# of strides	11.50	11.56	-0.06
wind	0.3 m/s	velocity	7.85	9.75	9.09	8.25	8.67	94.7	8.70	8.65	
Forbes, Sashalee (JAM) (1996)											
Semi-Final 1	2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Aug-17	time		11.49	16.97	22.93	23.06	3 / 5			
reaction time	0.164	interval			5.48	5.96		# of strides	11.49	11.44	0.05
wind	-0.2 m/s	velocity		8.70	9.12	8.39	8.67	104.6	8.70	8.74	
Neita, Daryll (GBR) (1996)											
FINAL	2021 Müller British Grand Prix (Gateshead, GBR) <i>Omega Timing (2019) - diamond league race analysis</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	13-Jul-21	time	6.4	11.7	17.1	23.06	23.06	1 / 7			
reaction time	0.158	interval		5.30	5.40	5.96	PB	# of strides	11.70	11.36	0.34
wind	0.2 m/s	velocity	7.81	9.43	9.26	8.39	8.67	92.2	8.55	8.80	
Dobbin, Beth (GBR) (1994)											
FINAL	2022 Doha Diamond League (Doha, QAT) <i>Omega Timing (2022) - diamond league race analysis</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	13-May-22	time	6.4	11.7	17.4	23.06	23.06	2 / 6			
reaction time	0.164	interval		5.30	5.70	5.66		# of strides	11.70	11.36	0.34
wind	1.3 m/s	velocity	7.81	9.43	8.77	8.83	8.67	99.2	8.55	8.80	
Gaither, TyNia (BAH) (1993)											
FINAL	2022 Bauhaus Galan (Stockholm, SWE) <i>Omega Timing (2022) - diamond league race analysis</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	30-Jun-22	time	6.35	11.53	17.01	23.06	23.06	4 / 4			
reaction time	0.156	interval		5.18	5.48	6.05		# of strides	11.53	11.53	0.00
wind	0.1 m/s	velocity	7.87	9.65	9.12	8.26	8.67	104.0	8.67	8.67	
Whyte, Natalliah (JAM) (1997)											
FINAL	2022 Commonwealth Games (Birmingham, GBR) <i>Longines Timing (2022) - commonwealth games race analysis</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Aug-22	time	6.3	11.5	17.0	23.06	23.06	5 / 4			
reaction time	0.157	interval		5.20	5.50	6.06		# of strides	11.50	11.56	-0.06
wind	0.6 m/s	velocity	7.94	9.62	9.09	8.25	8.67	97.0	8.70	8.65	
Emmanouilidou, Polyniki (GRE) (2003)											
Heat 5	2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	04-Aug-24	time	6.44	11.66	17.10	23.06	23.06	8 / 4			
reaction time	0.166	interval		5.22	5.44	5.96		# of strides	11.66	11.40	0.26
wind	0.2 m/s	velocity	7.76	9.58	9.19	8.39	8.67	105.5	8.58	8.77	
Hunt, Amy (GBR) (2002)											
FINAL	2025 Xiamen Diamond League (Xiamen, CHN) <i>Omega Timing (2025) - diamond league race analysis</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-Apr-25	time	6.35	11.47	16.97	23.06	23.06	3 / 5			
reaction time	0.163	interval		5.12	5.50	6.09		# of strides	11.47	11.59	-0.12
wind	0.4 m/s	velocity	7.87	9.77	9.09	8.21	8.67	95.0	8.72	8.63	
Gaines, Chryste (USA) (1970)											
FINAL	1995 USATF National Championships (Sacramento, CA) <i>USATF Women's Sprint Development (1995)</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	18-Jun-95	time	6.40	11.53	17.03	23.07	23.07	7 / 5			
reaction time		interval		5.13	5.50	6.04		# of strides	11.53	11.54	-0.01
wind	2.3 m/s	velocity	7.81	9.75	9.09	8.28	8.67		8.67	8.67	
Rockmeier, Gabi (GER) (1973)											
Semi-Final 2	2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	09-Aug-02	time	6.48	11.63	17.08	23.07	23.07	/ 3			
reaction time	0.137	interval		5.15	5.45	5.99		# of strides	11.63	11.44	0.19
wind	0.0 m/s	velocity	7.72	9.71	9.17	8.35	8.67		8.60	8.74	
Gushchina, Yuliya (RUS) (1983)											
Heat 2	2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	19-Aug-09	time	6.35	11.51	17.00	23.07	23.07	8 / 3			
reaction time	0.175	interval		5.16	5.49	6.07		# of strides	11.51	11.56	-0.05

wind	0.1 m/s	velocity	7.87	9.69	9.11	8.24	8.67	90.0	8.69	8.65	
Gaither, TyNia (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 IAAF World Championships (London, GBR)			<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>								
date	11-Aug-17	time		11.46	16.96	22.91	23.07	3 / 8			
reaction time	0.162	interval			5.50	5.95		# of strides	11.46	11.45	0.01
wind	0.8 m/s	velocity		8.73	9.09	8.40	8.67	108.7	8.73	8.73	
Fotopoulou, Oliva (CYP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	04-Aug-24	time	6.43	11.64	17.12	23.07	23.07	5 / 5			
reaction time	0.145	interval		5.21	5.48	5.95		# of strides	11.64	11.43	0.21
wind	0.2 m/s	velocity	7.78	9.60	9.12	8.40	8.67	99.0	8.59	8.75	
Bazolo, Loréne Dorcas (POR) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time		11.50		23.07	23.07	7 / 6			
reaction time	0.162	interval				11.57		# of strides	11.50	11.57	-0.07
wind	0.0 m/s	velocity		8.70		8.64	8.67	99.0	8.70	8.64	
Young-Stone, Dannette (USA) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1989 IAAF World Cup (Barcelona, ESP)			<i>Pascua (1990) - atletismo (I) carreras y marcha</i>								
date	08-Sep-89	time		11.74	17.28	23.08	23.08	/ 4			
reaction time		interval			5.54	5.80		# of strides	11.74	11.34	0.40
wind	0.2 m/s	velocity		8.52	9.03	8.62	8.67		8.52	8.82	
Thomas, Andrea (GER) (1963)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1991 European Cup (Frankfurt, GER)			<i>Federle (2003) - http://www.fgs.uni-halle.de</i>								
date	30-Jun-91	time		11.56		23.08	23.08	/ 2			
reaction time		interval				11.52		# of strides	11.56	11.52	0.04
wind	-3.4 m/s	velocity		8.65		8.68	8.67		8.65	8.68	
Mothersill, Cydonie (CAY) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 IAAF World Championships (Osaka, JPN)			<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>								
date	31-Aug-07	time		11.7		23.08	23.08	2 / 8			
reaction time	0.193	interval				11.38		# of strides	11.70	11.38	0.32
wind	1.7 m/s	velocity		8.55		8.79	8.67	98.0	8.55	8.79	
Williams, Charonda (USA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.46	11.61	17.06	23.08	23.08	2 / 2			
reaction time	0.185	interval		5.15	5.45	6.02		# of strides	11.61	11.47	0.14
wind	0.3 m/s	velocity	7.74	9.71	9.17	8.31	8.67	98.0	8.61	8.72	
Morrison, Natasha (JAM) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2013 Windsprint (Sundsvall, SWE)			<i>(2013) - www.ssg.se/windsprint/Splittider/</i>								
date	28-Jul-13	time		11.68	17.10	23.08	23.08	2 / 1			
reaction time		interval			5.42	5.98		# of strides	11.68	11.40	0.28
wind	1.6 m/s	velocity		8.56	9.23	8.36	8.67		8.56	8.77	
Safronova, Olga (KAZ) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>								
date	19-May-19	time	6.32	11.45	16.88	23.08	23.08	4 / 3			
reaction time	0.162	interval		5.13	5.43	6.20		# of strides	11.45	11.63	-0.18
wind	0.5 m/s	velocity	7.91	9.75	9.21	8.06	8.67	95.7	8.73	8.60	
Vaičule, Gunta (LAT) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Athletissima (Lausanne, SUI)			<i>Omega Timing (2019) - diamond league race analysis</i>								
date	05-Jul-19	time	6.7	11.9	17.3	23.08	23.08	8 / 5			
reaction time	0.192	interval		5.2	5.4	5.78		# of strides	11.90	11.18	0.72
wind	1.0 m/s	velocity	7.46	9.62	9.26	8.65	8.67		8.40	8.94	
Kielbasinska, Anna (POL) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Athletissima (Lausanne, SUI)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	26-Aug-21	time	6.5	11.8	17.3	23.08	23.08	6 / 3			
reaction time	0.135	interval		5.30	5.50	5.78		# of strides	11.80	11.28	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	2.5 m/s	velocity	7.69	9.43	9.09	8.65	8.67	97.2	8.47	8.87	
Hall, Anna (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)							Timing by Seiko (2022) - world athletics championships race analysis				
date	17-Jul-22	time		11.81		23.08	23.08	4 / 1			
reaction time	0.147	interval				11.27	PB	# of strides	11.81	11.27	0.54
wind	1.4 m/s	velocity		8.47		8.87	8.67	91.2	8.47	8.87	
Gale, Lauren (CAN) (2000)			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		11.74		23.08	23.08	7 / 4			
reaction time	0.138	interval				11.34		# of strides	11.74	11.34	0.40
wind	0.9 m/s	velocity		8.52		8.82	8.67	93.7	8.52	8.82	
Chandler, Caisja (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2024 USA Olympic Trials (Eugene, OR)							USATF and Karmarush (2024) - USA Olympic trials results and race analysis				
date	27-Jun-24	time		6.42	11.75	17.20	23.08	23.08	9 / 6		
reaction time		interval			5.33	5.45	5.88	# of strides	11.75	11.33	0.42
wind	0.1 m/s	velocity		7.79	9.38	9.17	8.50	8.67	97.0	8.51	8.83
Bazolo, Loréne Dorcas (POR) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 1 - 2024 Olympic Games (Paris, FRA)							Paris 2024 Olympic Games - Results Book (2024)				
date	05-Aug-24	time		6.38	11.54	17.03	23.08	23.08	4 / 4		
reaction time	0.149	interval			5.16	5.49	6.05	# of strides	11.54	11.54	0.00
wind	0.6 m/s	velocity		7.84	9.69	9.11	8.26	8.67	99.0	8.67	8.67
Réga, Chantal (FRA) (1955)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1976 Olympic Games (Montreal, CAN)							Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016				
date	28-Jul-76	time		11.5		23.1	23.09	6 / 8			
reaction time		interval				11.60		# of strides	11.50	11.60	-0.10
wind	0.0 m/s	velocity		8.70		8.62	8.66		8.70	8.62	
Jett, Kisha (USA) (1975)			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		11.60	17.02	23.09	23.09	1 / 8			
reaction time		interval			5.42	6.07		# of strides	11.60	11.49	0.11
wind	-0.6 m/s	velocity		8.62	9.23	8.24	8.66		8.62	8.70	
Felix, Allyson (USA) (1985)			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		6.51	11.71	17.13	23.09	23.09	5 / 2		
reaction time		interval			5.20	5.42	5.96	# of strides	11.71	11.38	0.33
wind	1.3 m/s	velocity		7.68	9.62	9.23	8.39	8.66	8.54	8.79	
Edwards, Torri (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)							USATF Women's Sprint Development with HPC (2008)				
date	05-Jul-08	time		6.25	11.60	16.93	23.09	23.09	7 / 2		
reaction time		interval			5.35	5.33	6.16	# of strides	11.60	11.49	0.11
wind	-1.3 m/s	velocity		8.00	9.35	9.38	8.12	8.66	8.62	8.70	
Williams, Lauren Rain (USA) (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	14-Jul-18	time		6.40	11.55	17.00	23.09	23.09	5 / 2		
reaction time	0.162	interval			5.15	5.45	6.09	# of strides	11.55	11.54	0.01
wind	-0.1 m/s	velocity		7.81	9.71	9.17	8.21	8.66	8.66	8.67	
Whyte, Natalliah (JAM) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 Commonwealth Games (Birmingham, GBR)							Longines Timing (2022) - commonwealth games race analysis				
date	05-Aug-22	time		6.2	11.7	17.2	23.09	23.09	6 / 2		
reaction time	0.164	interval			5.50	5.50	5.89	# of strides	11.70	11.39	0.31
wind	1.9 m/s	velocity		8.06	9.09	9.09	8.49	8.66	95.0	8.55	8.78
Hunt, Amy (GBR) (2002)			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		6.49	11.64	17.09	23.09	23.09	2 / ~~Z~~ 6		
reaction time	0.160	interval			5.15	5.45	6.00	# of strides	11.64	11.45	0.19

wind	0.2 m/s	velocity	7.70	9.71	9.17	8.33	8.66	94.2	8.59	8.73	
Takács, Boglárka (HUN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	15-Jun-25	time	6.34	11.72	17.00	23.09	23.09	2 / 6			
reaction time	0.158	interval		5.38	5.28	6.09		# of strides	11.72	11.37	0.35
wind	2.2 m/s	velocity	7.89	9.29	9.47	8.21	8.66		8.53	8.80	
Vinogradova, Yelena (URS) (1964)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1991 IAAF World Championships (Tokyo, JPN)			<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>								
date	30-Aug-91	time		11.60		23.10	23.10	8 / 8			
reaction time		interval				11.50		# of strides	11.60	11.50	0.10
wind	-2.4 m/s	velocity		8.62		8.70	8.66		8.62	8.70	
Levorato, Manuela (ITA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	08-Aug-02	time	6.45	11.65	17.15	23.10	23.10	/ 2			
reaction time	0.164	interval		5.20	5.50	5.95		# of strides	11.65	11.45	0.20
wind	0.0 m/s	velocity	7.75	9.62	9.09	8.40	8.66		8.58	8.73	
Anderson, Alexandria (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.37	11.66	17.05	23.10	23.10	4 / 2			
reaction time		interval		5.29	5.39	6.05		# of strides	11.66	11.44	0.22
wind	0.0 m/s	velocity	7.85	9.45	9.28	8.26	8.66		8.58	8.74	
Barber, Mikele (USA) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.62	11.88	17.20	23.10	23.10	6 / 3			
reaction time		interval		5.26	5.32	5.90		# of strides	11.88	11.22	0.66
wind	0.0 m/s	velocity	7.55	9.51	9.40	8.47	8.66		8.42	8.91	
Freeman, Emily (GBR) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.33	11.47	16.99	23.10	23.10	7 / 2			
reaction time	0.178	interval		5.14	5.52	6.11		# of strides	11.47	11.63	-0.16
wind	0.0 m/s	velocity	7.90	9.73	9.06	8.18	8.66	97.0	8.72	8.60	
Seymour, Ka'tia (USA) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 NCAA Championships (Eugene, OR)			<i>Track Newsletter (2018) - NCAA women's championships</i>								
date	09-Jun-18	time		11.7		23.1	23.10	/ 4			
reaction time		interval				11.40		# of strides	11.70	11.40	0.30
wind	-2.3 m/s	velocity		8.55		8.77	8.66		8.55	8.77	
Bass, Gina (GAM) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 Commonwealth Games (Birmingham, GBR)			<i>Longines Timing (2022) - commonwealth games race analysis</i>								
date	05-Aug-22	time	6.3	11.7	17.1	23.10	23.10	4 / 3			
reaction time	0.150	interval		5.40	5.40	6.00		# of strides	11.70	11.40	0.30
wind	1.9 m/s	velocity	7.94	9.26	9.26	8.33	8.66	102.5	8.55	8.77	
Bass, Gina (GAM) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		11.76		23.10	23.10	3 / 8			
reaction time	0.141	interval				11.34		# of strides	11.76	11.34	0.42
wind	-0.2 m/s	velocity		8.50		8.82	8.66	103.0	8.50	8.82	
Bazolo, Loréne Dorcas (POR) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	04-Aug-24	time	6.41	11.63	17.13	23.10	23.10	7 / 5			
reaction time	0.118	interval		5.22	5.50	5.97		# of strides	11.63	11.47	0.16
wind	1.4 m/s	velocity	7.80	9.58	9.09	8.38	8.66	99.0	8.60	8.72	
Jackson, Kaila (USA) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 USATF Championships (Eugene, OR)			<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>								
date	03-Aug-25	time	6.25	11.46	16.95	23.10	23.10	5 / 6			
reaction time		interval		5.21	5.49	6.15		# of strides	11.46	11.64	-0.18

wind	0.1 m/s	velocity	8.00	9.60	9.11	8.13	8.66	98.0	8.73	8.59	
Jons, Piper (USA) (2001)											
Heat 3 - 2025 USATF Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>											
date	03-Aug-25	time	6.61	11.83	17.28	23.10	23.10	2 / 8			
reaction time		interval		5.22	5.45	5.82		# of strides	11.83	11.27	0.56
wind	0.0 m/s	velocity	7.56	9.58	9.17	8.59	8.66		8.45	8.87	
Allwood, Rose (JAM) (1952)											
FINAL - 1972 Olympic Games (Munich, FRG)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>											
date	09-Jul-72	time		11.61	17.14	23.11	23.11	2 / 8			
reaction time		interval			5.53	5.97		# of strides	11.61	11.50	0.11
wind	1.1 m/s	velocity		8.61	9.04	8.38	8.65	92.2	8.61	8.70	
Ogunkoya, Falilat (NGR) (1968)											
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>											
date	19-Jul-86	time		11.68	17.25	23.11	23.11	/ 1			
reaction time		interval			5.57	5.86	CR	# of strides	11.68	11.43	0.25
wind	0.6 m/s	velocity		8.56	8.98	8.53	8.65		8.56	8.75	
Cox, Crystal (USA) (1979)											
FINAL - 2003 USATF National Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2003)</i>											
date	22-Jun-03	time	6.62	11.99	17.27	23.11	23.11	7 / ~~6~~ 5			
reaction time		interval		5.37	5.28	5.84		# of strides	11.99	11.12	0.87
wind	0.0 m/s	velocity	7.55	9.31	9.47	8.56	8.65		8.34	8.99	
Fukushima, Chisato (JPN) (1988)											
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	10-May-15	time	6.26	11.52	17.08	23.11	23.11	6 / 4			
reaction time		interval		5.26	5.56	6.03		# of strides	11.52	11.59	-0.07
wind	1.0 m/s	velocity	7.99	9.51	8.99	8.29	8.65	101.0	8.68	8.63	
Wessolly, Jessica-Bianca (GER) (1996)											
FINAL - 2021 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	6.5	11.8	17.3	23.11	23.11	3 / 4			
reaction time	0.151	interval		5.30	5.50	5.81		# of strides	11.80	11.31	0.49
wind	2.5 m/s	velocity	7.69	9.43	9.09	8.61	8.65	98.0	8.47	8.84	
Sabaitytė, Lukrecija (LTU) (2002)											
B FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 euro team champs, 1st division - results book</i>											
date	29-Jun-25	time	6.40	11.61	17.14	23.11	23.11	/ 6			
reaction time	0.189	interval		5.21	5.53	5.97	PB	# of strides	11.61	11.50	0.11
wind	-0.2 m/s	velocity	7.81	9.60	9.04	8.38	8.65		8.61	8.70	
Mokobe, Judith Bilepo (GER) (2006)											
Semi-Final 1 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.58	11.73	17.08	23.11	23.11	7 / 1			
reaction time	0.177	interval		5.15	5.35	6.03	=PB	# of strides	11.73	11.38	0.35
wind	1.1 m/s	velocity	7.60	9.71	9.35	8.29	8.65		8.53	8.79	
Kaddari, Dalia (ITA) (2001)											
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	17-Sep-25	time		11.77		23.11	23.11	2 / 5			
reaction time	0.142	interval				11.34		# of strides	11.77	11.34	0.43
wind	0.1 m/s	velocity		8.50		8.82	8.65	98.5	8.50	8.82	
Koné, Maboundou (CIV) (1997)											
Heat 6 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	17-Sep-25	time		11.68		23.11	23.11	2 / 5			
reaction time	0.151	interval				11.43		# of strides	11.68	11.43	0.25
wind	0.0 m/s	velocity		8.56		8.75	8.65	98.5	8.56	8.75	
Malchugina, Galina (URS) (1962)											
FINAL - 1989 IAAF World Cup (Barcelona, ESP)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Pascua (1990) - atletismo (I) carreras y marcha</i>											
date	08-Sep-89	time		11.44	17.06	23.12	23.12	/ 5			
reaction time		interval			5.62	6.06		# of strides	11.44	11.68	-0.24

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	8.74	8.90	8.25	8.65		8.74	8.56		
Wilson, Latonia (USA) (1984)											
FINAL	- 2007 USATF National Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - World championships- women</i>										
date	24-Jun-07	time		11.8		23.1	23.12	1 / 8			
reaction time		interval				11.30		# of strides	11.80	11.30	0.50
wind	0.4 m/s	velocity		8.47		8.85	8.65		8.47	8.85	
Williams, Lauryn (USA) (1983)											
Quarter-Final 3	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.47	11.70	17.08	23.12	23.12	4 / 3			
reaction time		interval		5.23	5.38	6.04		# of strides	11.70	11.42	0.28
wind	0.0 m/s	velocity	7.73	9.56	9.29	8.28	8.65		8.55	8.76	
Atcho, Sarah (SUI) (1995)											
Semi-Final 1	- 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Aug-17	time		11.44	16.95	22.99	23.12	8 / 6			
reaction time	0.134	interval			5.51	6.04		# of strides	11.44	11.55	-0.11
wind	-0.2 m/s	velocity		8.74	9.07	8.28	8.65	93.4	8.74	8.66	
Bryant, Dezerea (USA) (1993)											
FINAL	- 2022 Doha Diamond League (Doha, QAT)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2022) - diamond league race analysis</i>										
date	13-May-22	time	5.7	11.5	17.1	23.12	23.12	8 / 7			
reaction time	0.163	interval		5.80	5.60	6.02		# of strides	11.50	11.62	-0.12
wind	1.3 m/s	velocity	8.77	8.62	8.93	8.31	8.65	102.0	8.70	8.61	
Moore, Ashanti (JAM) (2000)											
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.75		23.12	23.12	8 / 5			
reaction time	0.149	interval				11.37		# of strides	11.75	11.37	0.38
wind	-0.7 m/s	velocity		8.51		8.80	8.65	91.0	8.51	8.80	
Sturgis, Cambrea (USA) (1999)											
Heat 4	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	27-Jun-24	time	6.44	11.72	17.32	23.12	23.12	4 / 7			
reaction time		interval		5.28	5.60	5.80		# of strides	11.72	11.40	0.32
wind	0.1 m/s	velocity	7.76	9.47	8.93	8.62	8.65	99.0	8.53	8.77	
Whyte, Madison (USA) (2004)											
Semi-Final 2	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	28-Jun-24	time	6.52	11.80	17.28	23.12	23.12	5 / 7			
reaction time		interval		5.28	5.48	5.84		# of strides	11.80	11.32	0.48
wind	0.6 m/s	velocity	7.67	9.47	9.12	8.56	8.65	91.7	8.47	8.83	
Kaddari, Dalia (ITA) (2001)											
FINAL	- 2025 Golden Gala Pietro Mennea (Roma, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	06-Jun-25	time	6.40	11.64	17.14	23.12	23.12	1 / 7			
reaction time	0.140	interval		5.24	5.50	5.98		# of strides	11.64	11.48	0.16
wind	0.8 m/s	velocity	7.81	9.54	9.09	8.36	8.65	97.2	8.59	8.71	
Sevilla, Paula (ESP) (1997)											
FINAL	- 2025 Golden Gala Pietro Mennea (Roma, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>										
date	06-Jun-25	time	6.41	11.61	17.10	23.12	23.12	2 / 8			
reaction time	0.147	interval		5.20	5.49	6.02		# of strides	11.61	11.51	0.10
wind	0.8 m/s	velocity	7.80	9.62	9.11	8.31	8.65	101.5	8.61	8.69	
Sánchez, Miriam (MEX) (2004)											
Semi-Final 3	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	18-Sep-25	time		11.58		23.12	23.12	3 / 8			
reaction time	0.170	interval				11.54		# of strides	11.58	11.54	0.04
wind	-0.3 m/s	velocity		8.64		8.67	8.65	104.0	8.64	8.67	
Shtanhyeyeva, Iryna (UKR) (1982)											
FINAL	- 2007 European Cup (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>										
date	24-Jun-07	time		11.77	17.21	23.13	23.13	/ 3			
reaction time	0.145	interval			5.44	5.92		# of strides	11.77	11.36	0.41

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

wind	-2.0 m/s	velocity	8.50	9.19	8.45	8.65		8.50	8.80		
White, Cierra (USA) (1993)											
FINAL	- 2014 USATF National Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2014) - USATF women's championships</i>										
date	29-Jun-14	time		11.9		23.1	23.13	/ 8			
reaction time	0.161	interval				11.20		# of strides	11.90	11.20	0.70
wind	3.8 m/s	velocity		8.40		8.93	8.65		8.40	8.93	
Bass, Gina (GBR) (1995)											
FINAL	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Longines Timing (2022) - commonwealth games race analysis</i>										
date	06-Aug-22	time	6.3	11.7	17.2	23.13	23.13	2 / 5			
reaction time	0.150	interval		5.40	5.50	5.93		# of strides	11.70	11.43	0.27
wind	0.6 m/s	velocity	7.94	9.26	9.09	8.43	8.65	101.7	8.55	8.75	
Bazolo, Loréne Dorcas (POR) (1983)											
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.64		23.13	23.13	2 / 6			
reaction time	0.163	interval				11.49		# of strides	11.64	11.49	0.15
wind	-0.7 m/s	velocity		8.59		8.70	8.65	97.5	8.59	8.70	
Davis, Kenondra (USA) (2003)											
Semi-Final 2	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	28-Jun-24	time	6.52	11.88	17.41	23.13	23.13	4 / 8			
reaction time		interval		5.36	5.53	5.72		# of strides	11.88	11.25	0.63
wind	0.6 m/s	velocity	7.67	9.33	9.04	8.74	8.65	94.0	8.42	8.89	
Pereira, Shanti Veronica (SGP) (1996)											
Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time	6.45			23.13	23.13	9 / 4			
reaction time	0.189	interval				16.68		# of strides			
wind	0.1 m/s	velocity	7.75			8.99	8.65	96.7			
van Hünenstijn, Marije (NED) (1995)											
Heat 6	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time		11.66		23.13	23.13	6 / 6			
reaction time	0.175	interval				11.47		# of strides	11.66	11.47	0.19
wind	0.0 m/s	velocity		8.58		8.72	8.65	95.0	8.58	8.72	
Dunn, Paula (GBR) (1964)											
Semi-Final 2	- 1988 Olympic Games (Seoul, KOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>										
date	29-Sep-88	time	6.40	11.73	17.30	23.14	23.14	1 / 6			
reaction time	0.171	interval		5.33	5.57	5.84		# of strides	11.73	11.41	0.32
wind	1.8 m/s	velocity	7.81	9.38	8.98	8.56	8.64		8.53	8.76	
Poelman, Jacqueline (NED) (1973)											
Semi-Final 2	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
date	09-Aug-02	time	6.50	11.69	17.20	23.14	23.14	/ 4			
reaction time	0.152	interval		5.19	5.51	5.94		# of strides	11.69	11.45	0.24
wind	0.0 m/s	velocity	7.69	9.63	9.07	8.42	8.64		8.55	8.73	
Myrick, Wylesheia (USA) (1979)											
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2004)</i>										
date	17-Jul-04	time	6.38	11.57	17.02	23.14	23.14	4 / 5			
reaction time		interval		5.19	5.45	6.12		# of strides	11.57	11.57	0.00
wind	-1.1 m/s	velocity	7.84	9.63	9.17	8.17	8.64	102.0	8.64	8.64	
Tarmoh, Jeneba (USA) (1989)											
FINAL	- 2006 USATF National Junior Championships (Indianapolis, IN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2006)</i>										
date	23-Jun-06	time	6.64	11.73	17.22	23.14	23.14	4 / 3			
reaction time		interval		5.09	5.49	5.92	PB	# of strides	11.73	11.41	0.32
wind	0.9 m/s	velocity	7.53	9.82	9.11	8.45	8.64		8.53	8.76	
Nelson, Ashleigh (GBR) (1991)											
FINAL	- 2021 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2021) - diamond league race analysis</i>										
date	26-Aug-21	time	6.5	11.8	17.3	23.14	23.14	7 / 5			
reaction time	0.154	interval		5.30	5.50	5.84		# of strides	11.80	11.34	0.46

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

wind	2.5 m/s	velocity	7.69	9.43	9.09	8.56	8.64	97.2	8.47	8.82	
Beecher, Jacinta (AUS) (1998)			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		11.61		23.14	23.14	7 / 8			
reaction time	0.132	interval				11.53		# of strides	11.61	11.53	0.08
wind	2.0 m/s	velocity		8.61		8.67	8.64	95.7	8.61	8.67	
Hunt, Amy (GBR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA)			Omega Timing (2024) - diamond league race analysis								
date	30-Aug-24	time	6.46	11.68	17.20	23.14	23.14	1 / 8			
reaction time	0.167	interval		5.22	5.52	5.94		# of strides	11.68	11.46	0.22
wind	0.4 m/s	velocity	7.74	9.58	9.06	8.42	8.64		8.56	8.73	
Gbai, Jessika (CIV) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2025) - diamond league race analysis								
date	26-Apr-25	time	6.43	11.73	17.25	23.14	23.14	8 / 6			
reaction time	0.134	interval		5.30	5.52	5.89		# of strides	11.73	11.41	0.32
wind	0.4 m/s	velocity	7.78	9.43	9.06	8.49	8.64	94.0	8.53	8.76	
Kivikas, Ann Marli (EST) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.53		23.14	23.14	3 / 7			
reaction time	0.138	interval				11.61		# of strides	11.53	11.61	-0.08
wind	0.0 m/s	velocity		8.67		8.61	8.64	98.0	8.67	8.61	
Marshall, Pam (USA) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1985 World Cup (Canberra, AUS)			Veney - 200m women from PJ								
date	04-Oct-85	time		12.0		23.15	23.15	7 / 5			
reaction time		interval				11.15		# of strides	12.00	11.15	0.85
wind	-0.7 m/s	velocity		8.33		8.97	8.64		8.33	8.97	
Guidry, Carlette (USA) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 USA Olympic Trials (Sacramento, CA)			Track Newsletter (2000) - US olympic trials								
date	23-Jul-00	time		11.8		23.2	23.15	1 / 8			
reaction time		interval				11.4		# of strides	11.80	11.40	0.40
wind	0.5 m/s	velocity		8.47		8.77	8.64		8.47	8.77	
Mani, Myriam (CMR) (1977)			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	10-Aug-01	time		11.3		23.15	23.15	6 / ~~8~~ 6			
reaction time	0.140	interval				11.9		# of strides	11.30	11.85	-0.55
wind	-0.8 m/s	velocity		8.85		8.44	8.64		8.85	8.44	
Carter, Antonette (USA) (1984)			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)								
date	26-Jun-05	time	6.59	11.76	16.65	23.15	23.15	1 / 8			
reaction time		interval		5.17	4.89	6.50		# of strides	11.76	11.39	0.37
wind	0.3 m/s	velocity	7.59	9.67	10.22	7.69	8.64	95.7	8.50	8.78	
Durst, Stephanie (USA) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)								
date	04-Jul-08	time	6.37	11.62	17.17	23.15	23.15	2 / 2			
reaction time		interval		5.25	5.55	5.98		# of strides	11.62	11.53	0.09
wind	0.5 m/s	velocity	7.85	9.52	9.01	8.36	8.64	101.0	8.61	8.67	
Tenorio, Angela (ECU) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 IAAF World Junior Championships (Eugene, OR)			Track Newsletter (2014) - World Junior championships women								
date	25-Jul-14	time		11.6		23.1	23.15	6 / 3			
reaction time	0.167	interval				11.50		# of strides	11.60	11.50	0.10
wind	2.4 m/s	velocity		8.62		8.70	8.64		8.62	8.70	
Samuel, Jamile (NED) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Weltklasse (Zürich, SUI)			Omega Timing (2019) - diamond league race analysis								
date	29-Aug-19	time	6.5	11.7	17.2	23.15	23.15	1 / 8			
reaction time	0.148	interval		5.2	5.5	5.95		# of strides	11.70	11.45	0.25

wind	-0.4 m/s	velocity	7.69	9.62	9.09	8.40	8.64	102.0	8.55	8.73	
Ray, Shannon (USA) (1995)											
FINAL	- 2022 Doha Diamond League (Doha, QAT)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2022) - diamond league race analysis</i>										
date	13-May-22	time	6.5	11.9	17.4	23.15	23.15	1 / 8			
reaction time	0.158	interval		5.40	5.50	5.75		# of strides	11.90	11.25	0.65
wind	1.3 m/s	velocity	7.69	9.26	9.09	8.70	8.64	104.5	8.40	8.89	
Jiya, Tasa (NED) (1997)											
FINAL	- 2023 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>										
date	02-Jul-23	time	6.44	11.69	17.19	23.15	23.15	8 / 6			
reaction time	0.205	interval		5.25	5.50	5.96		# of strides	11.69	11.46	0.23
wind	-0.6 m/s	velocity	7.76	9.52	9.09	8.39	8.64	93.0	8.55	8.73	
Emmanouilidou, Polyniki (GRE) (2003)											
Semi-Final 1	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	24-Aug-23	time		11.74		23.15	23.15	3 / ~~8~~ 7			
reaction time	0.156	interval				11.41		# of strides	11.74	11.41	0.33
wind	-0.1 m/s	velocity		8.52		8.76	8.64	105.0	8.52	8.76	
Lindahi, Nora (SWE) (2004)											
Semi-Final 1	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>										
date	19-Jul-25	time	6.44	11.68	17.17	23.15	23.15	4 / 2			
reaction time	0.139	interval		5.24	5.49	5.98		# of strides	11.68	11.47	0.21
wind	-1.3 m/s	velocity	7.76	9.54	9.11	8.36	8.64		8.56	8.72	
Hoenke, Fabienne (SUI) (2004)											
FINAL	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>										
date	19-Jul-25	time	6.39	11.63	17.08	23.15	23.15	2 / 4			
reaction time	0.122	interval		5.24	5.45	6.07		# of strides	11.63	11.52	0.11
wind	-0.7 m/s	velocity	7.82	9.54	9.17	8.24	8.64		8.60	8.68	
Clark, Tamara (USA) (1999)											
Heat 2	- 2025 USATF Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>										
date	03-Aug-25	time	6.34	11.59	17.09	23.15	23.15	7 / 8			
reaction time		interval		5.25	5.50	6.06		# of strides	11.59	11.56	0.03
wind	1.6 m/s	velocity	7.89	9.52	9.09	8.25	8.64		8.63	8.65	
Idoabigeiru, Fuka (JPN) (2001)											
Semi-Final 1	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	18-Sep-25	time		11.61		23.15	23.15	3 / 8			
reaction time	0.196	interval				11.54		# of strides	11.61	11.54	0.07
wind	-0.1 m/s	velocity		8.61		8.67	8.64	97.5	8.61	8.67	
Trandenkova, Marina (RUS) (1967)											
FINAL	- 1997 European Cup (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Jung (2003) - http://www.fgs.uni-halle.de</i>										
date	22-Jun-97	time	6.42	11.66	17.13	23.16	23.16	/ 3			
reaction time		interval		5.24	5.47	6.03		# of strides	11.66	11.50	0.16
wind	-0.2 m/s	velocity	7.79	9.54	9.14	8.29	8.64		8.58	8.70	
Prandini, Jenna (USA) (1992)											
FINAL	- 2017 USATF National Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2017) - USATF championships women</i>										
date	25-Jun-17	time		11.6		23.2	23.16	/ 7			
reaction time		interval				11.60		# of strides	11.60	11.60	0.00
wind	-2.5 m/s	velocity		8.62		8.62	8.64		8.62	8.62	
Morrison, Natasha (JAM) (1992)											
FINAL	- 2021 Müller British Grand Prix (Gateshead, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2019) - diamond league race analysis</i>										
date	13-Jul-21	time	6.4	11.6	17.1	23.16	23.16	2 / 8			
reaction time	0.161	interval		5.20	5.50	6.06		# of strides	11.60	11.56	0.04
wind	0.2 m/s	velocity	7.81	9.62	9.09	8.25	8.64	99.0	8.62	8.65	
Jiya, Tasa (NED) (1997)											
FINAL	- 2023 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>										
date	30-Jun-23	time	6.45	11.70	17.24	23.16	23.16	5 / 1			
reaction time	0.190	interval		5.25	5.54	5.92		# of strides	11.70	11.46	0.24

wind	-0.4 m/s	velocity	7.75	9.52	9.03	8.45	8.64		8.55	8.73	
Pointet, Léonie (SUI) (2001)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 1 - 2023 World Athletics Championships (Budapest, HUN)						<i>Seiko Timing (2023) - world championship race analysis</i>					
date	23-Aug-23	time	11.83	23.16	23.16	8 / 5					
reaction time	0.147	interval		11.33	PB	# of strides	11.83	11.33	0.50		
wind	-0.4 m/s	velocity	8.45	8.83	8.64	103.7	8.45	8.83			
Takács, Boglárka (HUN) (2001)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 5 - 2024 Olympic Games (Paris, FRA)						<i>Paris 2024 Olympic Games - Results Book (2024)</i>					
date	04-Aug-24	time	6.39	11.58	23.16	23.16	4 / 6				
reaction time	0.151	interval	5.19	5.53	6.05	# of strides	11.58	11.58	0.00		
wind	0.2 m/s	velocity	7.82	9.63	8.26	98.5	8.64	8.64			
Caligiuri, Iris (SUI) (2003)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2025 European Athletics U23 Championships (Bergen, NOR)						<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>					
date	19-Jul-25	time	6.45	11.68	23.16	23.16	1 / 5				
reaction time	0.181	interval	5.23	5.50	5.98	# of strides	11.68	11.48	0.20		
wind	-0.7 m/s	velocity	7.75	9.56	8.36	8.64	8.56	8.71			
Moore, LaShaunte'a (USA) (1983)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	04-Jul-08	time	6.50	11.79	23.17	23.17	3 / 4				
reaction time		interval	5.29	5.49	5.89	# of strides	11.79	11.38	0.41		
wind	0.0 m/s	velocity	7.69	9.45	8.49	8.63	8.48	8.79			
Simpson, Sherone (JAM) (1984)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2011 IAAF World Championships (Daegu, KOR)						<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>					
date	02-Sep-11	time	11.5	23.17	23.17	7 / 8					
reaction time	0.169	interval		11.67		# of strides	11.50	11.67	-0.17		
wind	-1.0 m/s	velocity	8.70	8.57	8.63	99.0	8.70	8.57			
Tsuruta, Remi (JPN) (1997)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2020 Japanese National Championships (Niigata, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	03-Oct-20	time	6.46	11.74	23.17	23.17	7 / 1				
reaction time	0.154	interval	5.28	5.48	5.95	# of strides	11.74	11.43	0.31		
wind	-0.1 m/s	velocity	7.74	9.47	8.40	98.5	8.52	8.75			
Kimishima, Arisa (JPN) (1995)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2023 Japanese National Championships (Osaka, JPN)						<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>					
date	04-Aug-23	time	6.40	11.72	23.17	23.17	7 / 1				
reaction time	0.184	interval	5.32	5.54	5.91	# of strides	11.72	11.45	0.27		
wind	-0.2 m/s	velocity	7.81	9.40	8.46	96.2	8.53	8.73			
Tatum, Adriana (USA) (2002)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Semi-Final 1 - 2024 USA Olympic Trials (Eugene, OR)						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	28-Jun-24	time	6.73	12.15	23.17	23.17	1 / 7				
reaction time		interval	5.42	5.48	5.54	# of strides	12.15	11.02	1.13		
wind	1.8 m/s	velocity	7.43	9.23	9.03	98.2	8.23	9.07			
Bestué, Jaël (ESP) (2000)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 4 - 2024 Olympic Games (Paris, FRA)						<i>Paris 2024 Olympic Games - Results Book (2024)</i>					
date	04-Aug-24	time	6.43	11.65	23.17	23.17	2 / 4				
reaction time	0.150	interval	5.22	5.55	5.97	# of strides	11.65	11.52	0.13		
wind	0.0 m/s	velocity	7.78	9.58	8.38	102.7	8.58	8.68			
Zhirova, Marina (URS) (1963)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 1986 European Championships (Stuttgart, FRG)						<i>Verney - 200m women from PJ</i>					
date	29-Jun-86	time	11.66	23.18	23.18	2 / 8					
reaction time	0.199	interval		11.52		# of strides	11.66	11.52	0.14		
wind	-0.8 m/s	velocity	8.58	8.68	8.63		8.58	8.68			
Levorato, Manuela (ITA) (1977)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2001 European Cup (Bremen, GER)						<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>					
date	24-Jun-02	time	6.41	11.62	23.18	23.18	/ 5				
reaction time	0.122	interval	5.21	5.55	6.01	# of strides	11.62	11.56	0.06		

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

wind	0.3 m/s	velocity	7.80	9.60	9.01	8.32	8.63		8.61	8.65	
Bikar, Alenka (SLO) (1974)			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	6.45	11.71	17.23	23.18	23.18	/ 4			
reaction time	0.163	interval		5.26	5.52	5.95		# of strides	11.71	11.47	0.24
wind	1.0 m/s	velocity	7.75	9.51	9.06	8.40	8.63		8.54	8.72	
Moore, LaShaunte'a (USA) (1983)			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)								
date	26-Jun-05	time	6.38	11.54	17.22	23.18	23.18	8 / 9			
reaction time		interval		5.16	5.68	5.96		# of strides	11.54	11.64	-0.10
wind	0.3 m/s	velocity	7.84	9.69	8.80	8.39	8.63	100.0	8.67	8.59	
Atcho, Sarah (SUI) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 FBK Games (Hengelo, NED)			Omega Timing (2023) - continental tour race analysis								
date	04-Jun-23	time	6.45	11.66	17.15	23.18	23.18	8 / 6			
reaction time	0.150	interval		5.21	5.49	6.03		# of strides	11.66	11.52	0.14
wind	1.4 m/s	velocity	7.75	9.60	9.11	8.29	8.63		8.58	8.68	
Caicedo, Nicole (ECU) (2000)			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	04-Aug-24	time	6.49	11.70	17.18	23.18	23.18	7 / 4			
reaction time	0.211	interval		5.21	5.48	6.00		# of strides	11.70	11.48	0.22
wind	0.0 m/s	velocity	7.70	9.60	9.12	8.33	8.63	96.5	8.55	8.71	
Emmanouilidou, Polyniki (GRE) (2003)			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	05-Aug-24	time	6.55	11.85	17.36	23.18	23.18	2 / 8			
reaction time	0.187	interval		5.30	5.51	5.82		# of strides	11.85	11.33	0.52
wind	0.2 m/s	velocity	7.63	9.43	9.07	8.59	8.63	105.0	8.44	8.83	
Takács, Boglárka (HUN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time	6.43			23.18	23.18	5 / 5			
reaction time	0.188	interval				16.75		# of strides			
wind	0.1 m/s	velocity	7.78			8.96	8.63	96.7			
Ottey, Merlene (JAM) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 1987 IAAF World Championships (Rome, ITA)			Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)								
date	01-Sep-87	time	6.46	11.78	17.28	23.19	23.19	5 / 3			
reaction time	0.170	interval		5.32	5.50	5.91		# of strides	11.78	11.41	0.37
wind	-0.6 m/s	velocity	7.74	9.40	9.09	8.46	8.62	90.5	8.49	8.76	
Zaytseva, Olga (RUS) (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	20-Aug-09	time	6.47	11.70	17.25	23.19	23.19	2 / 6			
reaction time	0.155	interval		5.23	5.55	5.94		# of strides	11.70	11.49	0.21
wind	0.3 m/s	velocity	7.73	9.56	9.01	8.42	8.62	94.2	8.55	8.70	
Hodge, Virgil (SKN) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	20-Aug-09	time	6.45	11.57	17.08	23.19	23.19	1 / 5			
reaction time	0.178	interval		5.12	5.51	6.11		# of strides	11.57	11.62	-0.05
wind	0.5 m/s	velocity	7.75	9.77	9.07	8.18	8.62	98.0	8.64	8.61	
Siwek, Agnieszka (POL) (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	29-Sep-88	time	6.57	11.79	17.32	23.20	23.20	8 / 7			
reaction time	0.317	interval		5.22	5.53	5.88		# of strides	11.79	11.41	0.38
wind	1.8 m/s	velocity	7.61	9.58	9.04	8.50	8.62		8.48	8.76	
Bily, Laurence (FRA) (1963)			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	08-Sep-89	time		11.64	17.22	23.20	23.20	/ 6			
reaction time		interval			5.58	5.98		# of strides	11.64	11.56	0.08

wind	0.2 m/s	velocity	8.59	8.96	8.36	8.62		8.59	8.65		
Graglia, Daniela (ITA) (1976)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2002 European Championships (Munich, GER)									<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>		
date	09-Aug-02	time	6.36	11.66	17.24	23.20	23.20	/ 5			
reaction time	0.140	interval		5.30	5.58	5.96	PB	# of strides	11.66	11.54	0.12
wind	0.0 m/s	velocity	7.86	9.43	8.96	8.39	8.62		8.58	8.67	
Davis, Janice (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 USATF National Championships (Indianapolis, IN)									<i>USATF Women's Sprint Development (2006)</i>		
date	25-Jun-06	time	6.34	11.56	17.10	23.20	23.20	2 / 6			
reaction time		interval		5.22	5.54	6.10		# of strides	11.56	11.64	-0.08
wind	0.3 m/s	velocity	7.89	9.58	9.03	8.20	8.62		8.65	8.59	
Lucas, Porscha (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)									<i>USATF Women's Sprint Development with HPC (2008)</i>		
date	04-Jul-08	time	6.54	11.72	17.28	23.20	23.20	3 / 3			
reaction time		interval		5.18	5.56	5.92		# of strides	11.72	11.48	0.24
wind	2.0 m/s	velocity	7.65	9.65	8.99	8.45	8.62		8.53	8.71	
Lee, Muna (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2013 Windsprint (Sundsvall, SWE)									<i>(2013) - www.ssg.se/windsprint/Splittider/</i>		
date	28-Jul-13	time		11.96	17.41	23.20	23.20	3 / 2			
reaction time		interval			5.45	5.79		# of strides	11.96	11.24	0.72
wind	1.6 m/s	velocity		8.36	9.17	8.64	8.62		8.36	8.90	
Fields, Ashley (USA) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 NCAA Championships (Eugene, OR)									<i>Track Newsletter (2014) - NCAA women's championships</i>		
date	14-Jun-14	time		12.1		23.2	23.20	/ 7			
reaction time		interval				11.10		# of strides	12.10	11.10	1.00
wind	2.2 m/s	velocity		8.26		9.01	8.62		8.26	9.01	
Johnson, Kortnei (USA) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 NCAA Championships (Eugene, OR)									<i>Track Newsletter (2018) - NCAA women's championships</i>		
date	09-Jun-18	time		11.7		23.2	23.20	/ 5			
reaction time		interval				11.50		# of strides	11.70	11.50	0.20
wind	-2.3 m/s	velocity		8.55		8.70	8.62		8.55	8.70	
Chand, Dutee (IND) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Asian Games (Jakarta, INA)									<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>		
date	29-Aug-18	time	6.38	11.66	17.18	23.20	23.20	3 / 2			
reaction time	0.149	interval		5.28	5.52	6.02		# of strides	11.66	11.54	0.12
wind	-0.7 m/s	velocity	7.84	9.47	9.06	8.31	8.62	106.0	8.58	8.67	
Baylark, Jada (USA) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2024 USA Olympic Trials (Eugene, OR)									<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>		
date	27-Jun-24	time	6.06	11.33	16.92	23.20	23.20	3 / 5			
reaction time		interval		5.27	5.59	6.28		# of strides	11.33	11.87	-0.54
wind	0.2 m/s	velocity	8.25	9.49	8.94	7.96	8.62	93.0	8.83	8.42	
Baylark, Jada (USA) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 USA Olympic Trials (Eugene, OR)									<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>		
date	28-Jun-24	time	6.40	11.78	17.35	23.20	23.20	2 / 8			
reaction time		interval		5.38	5.57	5.85		# of strides	11.78	11.42	0.36
wind	1.8 m/s	velocity	7.81	9.29	8.98	8.55	8.62	94.5	8.49	8.76	
Vervae, Imke (BEL) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2024 Olympic Games (Paris, FRA)									<i>Paris 2024 Olympic Games - Results Book (2024)</i>		
date	04-Aug-24	time	6.60	11.86	17.35	23.20	23.20	9 / 7			
reaction time	0.166	interval		5.26	5.49	5.85		# of strides	11.86	11.34	0.52
wind	0.2 m/s	velocity	7.58	9.51	9.11	8.55	8.62	97.2	8.43	8.82	
Merry, Katharine (GBR) (1974)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2001 European Cup (Bremen, GER)									<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>		
date	24-Jun-01	time	6.50	11.74	17.24	23.21	23.21	/ 6			
reaction time	0.186	interval		5.24	5.50	5.97		# of strides	11.74	11.47	0.27

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DV=Drug Violation

wind	0.3 m/s	velocity	7.69	9.54	9.09	8.38	8.62		8.52	8.72	
Jeter, Carmelita (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2008 USA Olympic Trials (Eugene, OR)									<i>USATF Women's Sprint Development with HPC (2008)</i>		
date	04-Jul-08	time	6.49	11.82	17.23	23.21	23.21	3 / 1			
reaction time		interval		5.33	5.41	5.98		# of strides	11.82	11.39	0.43
wind	1.2 m/s	velocity	7.70	9.38	9.24	8.36	8.62		8.46	8.78	
Anderson, Alexandria (USA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)									<i>USATF Women's Sprint Development with HPC (2008)</i>		
date	05-Jul-08	time	6.37	11.66	17.10	23.21	23.21	8 / 6			
reaction time		interval		5.29	5.44	6.11		# of strides	11.66	11.55	0.11
wind	-0.1 m/s	velocity	7.85	9.45	9.19	8.18	8.62		8.58	8.66	
Fukushima, Chisato (JPN) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 7 - 2016 Olympic Games (Rio de Janeiro, BRA)									<i>(2016.08.15) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en</i>		
date	15-Aug-16	time		11.46		23.21	23.21	8 / 5			
reaction time	0.125	interval				11.75		# of strides	11.46	11.75	-0.29
wind	0.5 m/s	velocity		8.73		8.51	8.62		8.73	8.51	
Palframan, Justine (RSA) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time		11.62	17.08	23.05	23.21	2 / 7			
reaction time	0.146	interval			5.46	5.97		# of strides	11.62	11.43	0.19
wind	-0.2 m/s	velocity		8.61	9.16	8.38	8.62	100.0	8.61	8.75	
Strachan, Anthonique (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time		11.69	17.17	23.00	23.21	9 / 8			
reaction time	0.207	interval			5.48	5.83		# of strides	11.69	11.31	0.38
wind	-0.2 m/s	velocity		8.55	9.12	8.58	8.62	88.3	8.55	8.84	
Belimbasáki, Maria (GRE) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time		11.51	17.01	23.01	23.21	8 / 5			
reaction time	0.202	interval			5.50	6.00		# of strides	11.51	11.50	0.01
wind	-0.2 m/s	velocity		8.69	9.09	8.33	8.62	98.6	8.69	8.70	
Kotwila, Martyna (POL) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN) <i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>											
date	14-Jul-18	time	6.57	11.93	17.36	23.21	23.21	4 / 3			
reaction time	0.181	interval		5.36	5.43	5.85	=PB	# of strides	11.93	11.28	0.65
wind	-0.1 m/s	velocity	7.61	9.33	9.21	8.55	8.62		8.38	8.87	
Kirkland, Jayla (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN) <i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>											
date	14-Jul-18	time	6.65	11.93	17.35	23.21	23.21	8 / 4			
reaction time	0.260	interval		5.28	5.42	5.86	DQ	# of strides	11.93	11.28	0.65
wind	-0.1 m/s	velocity	7.52	9.47	9.23	8.53	8.62		8.38	8.87	
McDonald, Natassha (CAN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 Commonwealth Games (Birmingham, GBR) <i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	05-Aug-22	time	6.4	11.7	17.2	23.21	23.21	7 / 2			
reaction time	0.156	interval		5.30	5.50	6.01		# of strides	11.70	11.51	0.19
wind	1.5 m/s	velocity	7.81	9.43	9.09	8.32	8.62	85.0	8.55	8.69	
Connolly, Ella (AUS) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Commonwealth Games (Birmingham, GBR) <i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	06-Aug-22	time	6.3	11.6	17.2	23.21	23.21	8 / 6			
reaction time	0.147	interval		5.30	5.60	6.01		# of strides	11.60	11.61	-0.01
wind	0.6 m/s	velocity	7.94	9.43	8.93	8.32	8.62	96.0	8.62	8.61	
McDonald, Natassha (CAN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Commonwealth Games (Birmingham, GBR) <i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	06-Aug-22	time	6.5	11.7	17.1	23.21	23.21	9 / 7			
reaction time	0.158	interval		5.20	5.40	6.11		# of strides	11.70	11.51	0.19

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DV=Drug Violation

wind	0.6 m/s	velocity	7.69	9.62	9.26	8.18	8.62	85.5	8.55	8.69	
Davis, Kenondra (USA) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	6.47	11.80	17.25	23.21	23.21	7 / 4			
reaction time		interval		5.33	5.45	5.96		# of strides	11.80	11.41	0.39
wind	0.8 m/s	velocity	7.73	9.38	9.17	8.39	8.62	95.0	8.47	8.76	
Kelley, Tiriah (USA) (2004)			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	6.52	11.87	17.41	23.21	23.21	4 / 9			
reaction time		interval		5.35	5.54	5.80		# of strides	11.87	11.34	0.53
wind	1.8 m/s	velocity	7.67	9.35	9.03	8.62	8.62	95.5	8.42	8.82	
Pereira, Shanti Veronica (SGP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.45	11.66	17.18	23.21	23.21	6 / 8			
reaction time	0.185	interval		5.21	5.52	6.03		# of strides	11.66	11.55	0.11
wind	0.2 m/s	velocity	7.75	9.60	9.06	8.29	8.62	99.0	8.58	8.66	
Niemczyk, Magalena (POL) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 European Athletics U23 Championships (Bergen, NOR)			European Athletics (2025) - 2025 euro athletics U23 champs- results book								
date	19-Jul-25	time	6.30	11.46	16.96	23.21	23.21	7 / 3			
reaction time	0.172	interval		5.16	5.50	6.25		# of strides	11.46	11.75	-0.29
wind	-1.3 m/s	velocity	7.94	9.69	9.09	8.00	8.62		8.73	8.51	
Nestoret, Maguy (FRA) (1969)			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		11.74		23.22	23.22	/ 3			
reaction time		interval				11.48		# of strides	11.74	11.48	0.26
wind	-3.4 m/s	velocity		8.52		8.71	8.61		8.52	8.71	
McCorory, Francena (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 USATF National Junior Championships (Carson, CA)			USATF Women's Sprint Development (2005)								
date	24-Jun-05	time		11.76	17.32	23.22	23.22	8 / 3			
reaction time		interval			5.56	5.90	PB	# of strides	11.76	11.46	0.30
wind	0.6 m/s	velocity		8.50	8.99	8.47	8.61		8.50	8.73	
Lucas, Porscha (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)			USATF Women's Sprint Development (2006)								
date	23-Jun-06	time	6.64	11.70	17.20	23.22	23.22	6 / 4			
reaction time		interval		5.06	5.50	6.02	PB	# of strides	11.70	11.52	0.18
wind	0.9 m/s	velocity	7.53	9.88	9.09	8.31	8.61		8.55	8.68	
Jones, Hayley (GBR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Windsprint (Sundsvall, SWE)			(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx								
date	17-Jun-12	time		11.75		23.22	23.22	/ 1			
reaction time		interval				11.47		# of strides	11.75	11.47	0.28
wind	2.2 m/s	velocity		8.51		4.31	8.61		8.51	8.72	
Williams, Christania (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2014 Windsprint (Sundsvall, SWE)			Johansen (2014) - www.ssg.se/windsprint/Splittider/								
date	20-Jul-14	time		11.81		23.22	23.22	4 / 1			
reaction time		interval				11.41		# of strides	11.81	11.41	0.40
wind	2.7 m/s	velocity		8.47		8.76	8.61		8.47	8.76	
Nelson, Ashleigh (GBR) (1991)			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		11.74		23.22	23.22	6 / 4			
reaction time	0.171	interval				11.48		# of strides	11.74	11.48	0.26
wind	-0.1 m/s	velocity		8.52		8.71	8.61	95.2	8.52	8.71	
Beecher, Jacinta (AUS) (1998)			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		11.61		23.22	23.22	3 / 3			
reaction time	0.133	interval				11.61		# of strides	11.61	11.61	0.00

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	8.61	8.61	8.61	95.0	8.61	8.61	
García, Yunisleidy (CUB) (1999)									
Heat 1	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time	11.67	23.22	23.22	23.22	6 / 6		
reaction time	0.161	interval		11.55	11.55		# of strides	11.67	11.55 0.12
wind	-0.4 m/s	velocity	8.57	8.66	8.61	97.5	8.57	8.66	
Li Yuting (CHN) (2002)									
FINAL	- 2024 Chinese National Grand Prix Final (Rizhao, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Shandong Athletics Sport Science (2024)</i>								
date	30-Jun-24	time	11.64	17.19	23.22	23.22	8 / 1		
reaction time	0.191	interval		5.55	6.03		# of strides	11.64	11.58 0.06
wind	0.3 m/s	velocity	8.59	9.01	8.29	8.61	91.0	8.59	8.64
Montgomery, Jasmine (USA) (2002)									
Heat 3	- 2025 USATF Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>USATF and Karmarush (2025) - USATF championships results and race analysis</i>								
date	03-Aug-25	time	6.39	11.72	17.23	23.22	1 / 9		
reaction time		interval		5.33	5.51	5.99	# of strides	11.72	11.50 0.22
wind	0.0 m/s	velocity	7.82	9.38	9.07	8.35	8.61	8.53	8.70
Anderson, Alexandria (USA) (1987)									
FINAL	- 2007 NCAA Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Track Newsletter (2005) - NCAA women's championships</i>								
date	09-Jun-07	time	11.9		23.3	23.23	1 / 7		
reaction time		interval			11.40		# of strides	11.90	11.40 0.50
wind	1.7 m/s	velocity	8.40		8.77	8.61	93.0	8.40	8.77
Renzhina, Yekaterina (RUS) (1994)									
FINAL	- 2015 Seiko Golden Grand Prix (Kawasaki, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>								
date	10-May-15	time	6.42	11.72	17.32	23.23	23.23	/ 5	
reaction time		interval		5.30	5.60	5.91	# of strides	11.72	11.51 0.21
wind	1.0 m/s	velocity	7.79	9.43	8.93	8.46	8.61	8.53	8.69
Fukushima, Chisato (JPN) (1988)									
FINAL	- 2015 Japanese National Championships (Niigata, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>								
date	27-Jun-15	time	6.40	11.67	17.21	23.23	23.23	4 / 1	
reaction time	0.149	interval		5.27	5.54	6.02	# of strides	11.67	11.56 0.11
wind	0.1 m/s	velocity	7.81	9.49	9.03	8.31	8.61	103.0	8.57 8.65
Lindahl, Nora (SWE) (2004)									
FINAL	- 2025 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Grand Slam Track (2025) - results and splits by race</i>								
date	15-Jun-25	time	6.53	11.90	17.23	23.23	23.23	6 / 7	
reaction time	0.150	interval		5.37	5.33	6.00	# of strides	11.90	11.33 0.57
wind	2.2 m/s	velocity	7.66	9.31	9.38	8.33	8.61	8.40	8.83
Okuku, Holly (GER) (2005)									
Semi-Final 2	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>								
date	19-Jul-25	time	6.40	11.67	17.14	23.23	23.23	6 / 2	
reaction time	0.162	interval		5.27	5.47	6.09	# of strides	11.67	11.56 0.11
wind	-1.5 m/s	velocity	7.81	9.49	9.14	8.21	8.61	8.57	8.65
Pointet, Léonie (SUI) (2001)									
FINAL	- 2025 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Omega Timing (2025) - diamond league race analysis</i>								
date	20-Aug-25	time	6.31	11.51	17.09	22.23	23.23	1 / 8	
reaction time	0.177	interval		5.20	5.58	5.14	# of strides	11.51	10.72 0.79
wind	-0.5 m/s	velocity	7.92	9.62	8.96	9.73	8.61	8.69	9.33
Madogo, Jacqueline (CAN) (2000)									
Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time	6.50		23.23	23.23	23.23	2 / 6	
reaction time	0.154	interval			16.73		# of strides		
wind	0.1 m/s	velocity	7.69		8.97	8.61	94.0		
Rockmeier, Gabi (GER) (1973)									
Heat 1	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	08-Aug-02	time	6.53	11.72	17.20	23.24	23.24	/ 2	
reaction time	0.141	interval		5.19	5.48	6.04	# of strides	11.72	11.52 0.20

wind	-1.1 m/s	velocity	7.66	9.63	9.12	8.28	8.61		8.53	8.68	
Cole, Leslie (USA) (1987)											
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.69	12.01	17.38	23.24	23.24	1 / 8			
reaction time		interval		5.32	5.37	5.86	PB	# of strides	12.01	11.23	0.78
wind	0.0 m/s	velocity	7.47	9.40	9.31	8.53	8.61		8.33	8.90	
Gushchina, Yuliya (RUS) (1983)											
Semi-Final 3	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
date	20-Aug-09	time	6.35	11.53	17.07	23.24	23.24	7 / 6			
reaction time	0.175	interval		5.18	5.54	6.17		# of strides	11.53	11.71	-0.18
wind	0.5 m/s	velocity	7.87	9.65	9.03	8.10	8.61	90.0	8.67	8.54	
Hooper, Gloria (ITA) (1992)											
FINAL	- 2013 European U23 Championships (Tampere, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>FIDAL - Centro Studi & Ricerche (2013) - www.youtube.com/watch?v=MpQ2zdXjX-w</i>										
date	13-Jun-13	time	6.53	11.85	17.28	23.27	23.24	5 / 3			
reaction time	0.204	interval		5.32	5.43	5.99		# of strides	11.85	11.42	0.43
wind	-0.5 m/s	velocity	7.66	9.40	9.21	8.35	8.61		8.44	8.76	
Odiong, Ofonime (BRN) (1997)											
Semi-Final 3	- 2017 IAAF World Championships (London, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>										
date	10-Aug-17	time		11.42	16.85	22.96	23.24	8 / 5			
reaction time	0.275	interval			5.43	6.11		# of strides	11.42	11.54	-0.12
wind	-0.2 m/s	velocity		8.76	9.21	8.18	8.61	95.6	8.76	8.67	
Wessolly, Jessica-Bianca (GER) (1996)											
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>European Athletics (2019) - race analysis</i>										
date	10-Sep-19	time		11.80		23.24	23.24	2 / 5			
reaction time	0.179	interval				11.44		# of strides	11.80	11.44	0.36
wind	-0.1 m/s	velocity		8.47		8.74	8.61	99.5	8.47	8.74	
Takács, Boglárka (HUN) (2001)											
Heat 5	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.68		23.24	23.24	2 / 4			
reaction time	0.169	interval				11.56		# of strides	11.68	11.56	0.12
wind	-1.3 m/s	velocity		8.56		8.65	8.61	96.0	8.56	8.65	
Li Yuting (CHN) (2002)											
Repechage 2	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	05-Aug-24	time	6.48	11.77	17.28	23.24	23.24	3 / 3			
reaction time	0.149	interval		5.29	5.51	5.96		# of strides	11.77	11.47	0.30
wind	0.6 m/s	velocity	7.72	9.45	9.07	8.39	8.61	92.0	8.50	8.72	
Mawdsley, Sharlene (IRL) (1998)											
Long Sprints	- 2025 Grand Slam Track Philadelphia (Philadelphia, PA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Grand Slam Track (2025) - results and splits by race</i>										
date	01-Jun-25	time	6.58	11.91	17.48	23.24	23.24	2 / 7			
reaction time	0.162	interval		5.33	5.57	5.76		# of strides	11.91	11.33	0.58
wind	1.6 m/s	velocity	7.60	9.38	8.98	8.68	8.61	97.2	8.40	8.83	
Gross, Mia (AUS) (2001)											
Heat 2	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time		11.68		23.24	23.24	8 / 6			
reaction time	0.154	interval				11.56		# of strides	11.68	11.56	0.12
wind	-0.3 m/s	velocity		8.56		8.65	8.61	97.0	8.56	8.65	
Sheehy, Ciara (IRL) (1980)											
Heat 1	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
date	08-Aug-02	time	6.42	11.64	17.16	23.25	23.25	/ 3			
reaction time	0.163	interval		5.22	5.52	6.09		# of strides	11.64	11.61	0.03
wind	-1.1 m/s	velocity	7.79	9.58	9.06	8.21	8.60		8.59	8.61	
Ennis, Jessica (GBR) (1986)											
Heptathlon - Heat 1	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
date	15-Aug-09	time	6.53	11.76	17.33	23.25	23.25	7 / 1			
reaction time	0.182	interval		5.23	5.57	5.92		# of strides	11.76	11.49	0.27

wind	0.0 m/s	velocity	7.66	9.56	8.98	8.45	8.60	95.7	8.50	8.70	
Borlée, Olivia (BEL) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.40	11.61	17.13	23.25	23.25	8 / 3			
reaction time	0.166	interval		5.21	5.52	6.12		# of strides	11.61	11.64	-0.03
wind	0.0 m/s	velocity	7.81	9.60	9.06	8.17	8.60	95.0	8.61	8.59	
Smith, Nivea (BAH) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 NCAA Championships (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	12-Jun-10	time		11.9		23.3	23.25	/ 3			
reaction time		interval				11.40		# of strides	11.90	11.40	0.50
wind	1.2 m/s	velocity		8.40		8.77	8.60		8.40	8.77	
Fukushima, Chisato (JPN) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2011 IAAF World Championships (Daegu, KOR)			<i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>								
date	01-Sep-11	time	6.36	11.58	17.14	23.25	23.25	6 / 5			
reaction time	0.145	interval		5.22	5.56	6.11		# of strides	11.58	11.67	-0.09
wind	-0.1 m/s	velocity	7.86	9.58	8.99	8.18	8.60	103.7	8.64	8.57	
Rosolová, Denisa (CZE) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)			<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.54	11.78	17.33	23.25	23.25	5 / 1			
reaction time	0.205	interval		5.24	5.55	5.92		# of strides	11.78	11.47	0.31
wind	0.3 m/s	velocity	7.65	9.54	9.01	8.45	8.60		8.49	8.72	
Hylton, Shannon (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 IAAF World Junior Championships (Eugene, OR)			<i>Track Newsletter (2014) - World Junior championships women</i>								
date	25-Jul-14	time		11.6		23.3	23.25	8 / 4			
reaction time	0.173	interval				11.70		# of strides	11.60	11.70	-0.10
wind	2.4 m/s	velocity		8.62		8.55	8.60		8.62	8.55	
Hooper, Gloria (ITA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	10-Jun-21	time	6.8	12.0	17.5	23.25	23.25	8 / 7			
reaction time	0.222	interval		5.20	5.50	5.75		# of strides	12.00	11.25	0.75
wind	0.2 m/s	velocity	7.35	9.62	9.09	8.70	8.60	97.5	8.33	8.89	
Fotopoulou, Oliva (CYP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.70		23.25	23.25	5 / 4			
reaction time	0.128	interval				11.55		# of strides	11.70	11.55	0.15
wind	1.9 m/s	velocity		8.55		8.66	8.60	99.5	8.55	8.66	
Terry, Twanisha (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Xiamen Diamond League (Xiamen, CHN)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	20-Apr-24	time	6.34	11.53	17.06	23.25	23.25	6 / 5			
reaction time	0.166	interval		5.19	5.53	6.19		# of strides	11.53	11.72	-0.19
wind	-0.4 m/s	velocity	7.89	9.63	9.04	8.08	8.60	103.2	8.67	8.53	
Jiya, Tasa (NED) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Bauhaus Galan (Stockholm, SWE)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	02-Jun-24	time	6.55	11.79	17.28	23.25	23.25	8 / 6			
reaction time	0.168	interval		5.24	5.49	5.97		# of strides	11.79	11.46	0.33
wind	-2.0 m/s	velocity	7.63	9.54	9.11	8.38	8.60	94.7	8.48	8.73	
Tatum, Adriana (USA) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	27-Jun-24	time	6.31	11.66	17.19	23.25	23.25	6 / 6			
reaction time		interval		5.35	5.53	6.06		# of strides	11.66	11.59	0.07
wind	0.2 m/s	velocity	7.92	9.35	9.04	8.25	8.60	98.0	8.58	8.63	
Chandler, Caisja (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	28-Jun-24	time	6.58	11.97	17.50	23.25	23.25	2 / 9			
reaction time		interval		5.39	5.53	5.75		# of strides	11.97	11.28	0.69

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

wind	1.4 m/s	velocity	7.60	9.28	9.04	8.70	8.60	96.2	8.35	8.87	
Emmanouilidou, Polyniki (GRE) (2003)											
FINAL	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>										
date	19-Jul-25	time	6.39	11.64	17.17	23.25	23.25	8 / 6			
reaction time	0.170	interval		5.25	5.53	6.08		# of strides	11.64	11.61	0.03
wind	-0.7 m/s	velocity	7.82	9.52	9.04	8.22	8.60	105.5	8.59	8.61	
Pawlett, Abigail (GBR) (2003)											
Heptathlon - Heat 3	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	19-Sep-25	time		11.74		23.25	23.25	8 / 1			
reaction time	0.169	interval				11.51		# of strides	11.74	11.51	0.23
wind	0.4 m/s	velocity		8.52		8.69	8.60	91.0	8.52	8.69	
Pelham, Shaunta (USA) (1970)											
Semi-Final 1	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2004)</i>										
date	17-Jul-04	time	6.42	11.71	17.17	23.26	23.26	4 / 4-3			
reaction time		interval		5.29	5.46	6.09		# of strides	11.71	11.55	0.16
wind	0.5 m/s	velocity	7.79	9.45	9.16	8.21	8.60	96.0	8.54	8.66	
Weatherspoon, Alexis (USA) (1983)											
FINAL	- 2005 NCAA Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - NCAA women's championships</i>										
date	11-Jun-05	time		11.7		23.3	23.26	9 / 4			
reaction time		interval				11.60		# of strides	11.70	11.60	0.10
wind	-0.7 m/s	velocity		8.55		8.62	8.60		8.55	8.62	
Woods, Shareese (USA) (1985)											
FINAL	- 2006 NCAA Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Track Newsletter (2005) - NCAA women's championships</i>										
date	10-Jun-06	time		11.9		23.3	23.26	2 / 6			
reaction time		interval				11.40		# of strides	11.90	11.40	0.50
wind	0.8 m/s	velocity		8.40		8.77	8.60	98.0	8.40	8.77	
Al-Gasara, Rakia (BRN) (1982)											
Semi-Final 1	- 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
date	20-Aug-09	time	6.54	11.75	17.27	23.26	23.26	2 / 6			
reaction time	0.243	interval		5.21	5.52	5.99	DV	# of strides	11.75	11.51	0.24
wind	0.5 m/s	velocity	7.65	9.60	9.06	8.35	8.60	95.2	8.51	8.69	
Atcho-Jaquier, Sarah (SUI) (1995)											
FINAL	- 2024 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2024) - diamond league race analysis</i>										
date	22-Aug-24	time	6.50	11.70	17.18	23.26	23.26	8 / 6			
reaction time	0.158	interval		5.20	5.48	6.08		# of strides	11.70	11.56	0.14
wind	0.9 m/s	velocity	7.69	9.62	9.12	8.22	8.60		8.55	8.65	
Caligiuri, Iris (SUI) (2003)											
Semi-Final 1	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>										
date	19-Jul-25	time	6.42	11.60	17.14	23.26	23.26	5 / 4			
reaction time	0.149	interval		5.18	5.54	6.12		# of strides	11.60	11.66	-0.06
wind	-1.3 m/s	velocity	7.79	9.65	9.03	8.17	8.60		8.62	8.58	
Chen Yujie (CHN) (2008)											
Heat 6	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time		11.91		23.26	23.26	9 / 7			
reaction time	0.160	interval				11.35		# of strides	11.91	11.35	0.56
wind	0.0 m/s	velocity		8.40		8.81	8.60	107.5	8.40	8.81	
Lee, Muna (USA) (1981)											
Heat 1	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	04-Jul-08	time		11.87	17.31	23.27	23.27	7 / 2			
reaction time		interval			5.44	5.96		# of strides	11.87	11.40	0.47
wind	1.4 m/s	velocity		8.42	9.19	8.39	8.59	90.0	8.42	8.77	
Durst, Stephanie (USA) (1982)											
Quarter-Final 1	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.49	11.68	17.28	23.27	23.27	7 / 4			
reaction time		interval		5.19	5.60	5.99		# of strides	11.68	11.59	0.09

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	7.70	9.63	8.93	8.35	8.59		8.56	8.63	
Williams, Tameka (SKN) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	6.51	11.75	17.26	23.27	23.27	8 / 3			
reaction time	0.173	interval		5.24	5.51	6.01		# of strides	11.75	11.52	0.23
wind	0.0 m/s	velocity	7.68	9.54	9.07	8.32	8.59	100.0	8.51	8.68	
Bolsun, Yelena (RUS) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	6.44	11.69	17.18	23.27	23.27	1 / ~~7~~ 6			
reaction time	0.121	interval		5.25	5.49	6.09		# of strides	11.69	11.58	0.11
wind	0.5 m/s	velocity	7.76	9.52	9.11	8.21	8.59	93.5	8.55	8.64	
Wei Yongli (CHN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Asian Games (Jakarta, INA)			<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>								
date	29-Aug-18	time	6.37	11.64	17.20	23.27	23.27	4 / 3			
reaction time	0.158	interval		5.27	5.56	6.07		# of strides	11.64	11.63	0.01
wind	-0.7 m/s	velocity	7.85	9.49	8.99	8.24	8.59	97.5	8.59	8.60	
Liang Xiaojing (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time	6.08	11.96	17.48	23.27	23.27	5 / 1			
reaction time	0.174	interval		5.88	5.52	5.79		# of strides	11.96	11.31	0.65
wind	0.5 m/s	velocity	8.22	8.50	9.06	8.64	8.59	104.0	8.36	8.84	
Junk, Sophia (GER) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.66		23.27	23.27	3 / 5			
reaction time	0.138	interval				11.61		# of strides	11.66	11.61	0.05
wind	-0.2 m/s	velocity		8.58		8.61	8.59	101.0	8.58	8.61	
Connolly, Ella (AUS) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.62		23.27	23.27	3 / 5			
reaction time	0.136	interval				11.65		# of strides	11.62	11.65	-0.03
wind	0.9 m/s	velocity		8.61		8.58	8.59	95.0	8.61	8.58	
Liu Yinglan (CHN) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Championships (Quzhou, CHN)			<i>Shandong Athletics Sport Science (2024)</i>								
date	16-Sep-24	time		11.91	17.47	23.27	23.27	4 / 1			
reaction time	0.191	interval			5.56	5.80	PB	# of strides	11.91	11.36	0.55
wind	-1.0 m/s	velocity		8.40	8.99	8.62	8.59	97.0	8.40	8.80	
Walton, Sue (USA) (1972)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 USATF National Championships (Sacramento, CA)			<i>USATF Women's Sprint Development (1995)</i>								
date	18-Jun-95	time	6.45	11.76	17.30	23.28	23.28	8 / 6			
reaction time		interval		5.31	5.54	5.98		# of strides	11.76	11.52	0.24
wind	2.3 m/s	velocity	7.75	9.42	9.03	8.36	8.59		8.50	8.68	
Feagin, Zundra (USA) (1973)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 USATF National Championships (Sacramento, CA)			<i>USATF Women's Sprint Development (1995)</i>								
date	18-Jun-95	time	6.40	11.73	17.25	23.28	23.28	2 / 7			
reaction time		interval		5.33	5.52	6.03		# of strides	11.73	11.55	0.18
wind	2.3 m/s	velocity	7.81	9.38	9.06	8.29	8.59		8.53	8.66	
Carter, Antonette (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 NCAA Championships (Sacramento, CA)			<i>Track Newsletter (2005) - NCAA women's championships</i>								
date	11-Jun-05	time		11.8		23.3	23.28	3 / 5			
reaction time		interval				11.50		# of strides	11.80	11.50	0.30
wind	-0.7 m/s	velocity		8.47		8.70	8.59	96.5	8.47	8.70	
Jones, Brittany (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 USATF National Junior Championships (Carson, CA)			<i>USATF Women's Sprint Development (2005)</i>								
date	24-Jun-05	time		11.80	17.35	23.28	23.28	4 / 4			
reaction time		interval			5.55	5.93		# of strides	11.80	11.48	0.32

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DV=Drug Violation

wind	0.6 m/s	velocity	8.47	9.01	8.43	8.59		8.47	8.71	
Anderson, Alexandria (USA) (1987)										
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>USATF Women's Sprint Development with HPC (2008)</i>							
date	05-Jul-08	time	6.52	11.81	17.28	23.28	23.28	7 / 3		
reaction time		interval		5.29	5.47	6.00		# of strides	11.81	11.47
wind	1.3 m/s	velocity	7.67	9.45	9.14	8.33	8.59		8.47	8.72
Zaytseva, Olga (RUS) (1984)										
Heat 3 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	19-Aug-09	time	6.51	11.76	17.32	23.28	23.28	4 / 4		
reaction time	0.178	interval		5.25	5.56	5.96		# of strides	11.76	11.52
wind	0.0 m/s	velocity	7.68	9.52	8.99	8.39	8.59	93.7	8.50	8.68
Hjelmer, Moa (SWE) (1990)										
A FINAL - 2013 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>(2013) - www.ssg.se/windsprint/Splittider/</i>							
date	28-Jul-13	time		11.91	17.43	23.28	23.28	4 / 3		
reaction time		interval			5.52	5.85		# of strides	11.91	11.37
wind	1.6 m/s	velocity		8.40	9.06	8.55	8.59		8.40	8.80
van Hunenstijn, Marije (NED) (1995)										
FINAL - 2021 Bauhaus Galan (Stockholm, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Omega Timing (2021) - diamond league race analysis</i>							
date	04-Jul-21	time	6.6	12.0	17.5	23.28	23.28	1 / 6		
reaction time	0.149	interval		5.40	5.50	5.78		# of strides	12.00	11.28
wind	-0.4 m/s	velocity	7.58	9.26	9.09	8.65	8.59	95.0	8.33	8.87
Vervae, Imke (BEL) (1993)										
FINAL - 2021 Memorial van Damme (Brussels, BEL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Omega Timing (2021) - diamond league race analysis</i>							
date	03-Sep-21	time	6.6	11.9	17.5	23.28	23.28	8 / 6		
reaction time	0.171	interval		5.30	5.60	5.78		# of strides	11.90	11.38
wind	0.4 m/s	velocity	7.58	9.43	8.93	8.65	8.59	99.2	8.40	8.79
Jackson, Shawnti (USA) (2005)										
FINAL - 2022 Prefontaine Classic (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Omega Timing (2022) - diamond league race analysis</i>							
date	28-May-22	time	6.34	11.58	17.18	23.28	23.28	9 / 9		
reaction time	0.124	interval		5.24	5.60	6.10		# of strides	11.58	11.70
wind	1.3 m/s	velocity	7.89	9.54	8.93	8.20	8.59	100.0	8.64	8.55
Vervae, Imke (BEL) (1993)										
Heat 3 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>							
date	18-Jul-22	time		11.93		23.28	23.28	1 / 5		
reaction time	0.136	interval				11.35		# of strides	11.93	11.35
wind	1.1 m/s	velocity		8.38		8.81	8.59	100.2	8.38	8.81
Dobbin, Beth (GBR) (1994)										
Semi-Final 3 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Longines Timing (2022) - commonwealth games race analysis</i>							
date	05-Aug-22	time	6.3	11.7	17.3	23.28	23.28	4 / 3		
reaction time	0.130	interval		5.40	5.60	5.98		# of strides	11.70	11.58
wind	1.5 m/s	velocity	7.94	9.26	8.93	8.36	8.59	100.0	8.55	8.64
Irby-Jackson, Lynna (USA) (1998)										
Heat 3 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>							
date	27-Jun-24	time	6.12	11.39	16.96	23.28	23.28	4 / 7		
reaction time		interval		5.27	5.57	6.32		# of strides	11.39	11.89
wind	0.2 m/s	velocity	8.17	9.49	8.98	7.91	8.59	92.5	8.78	8.41
Dia Longo, Fabé (FRA) (1977)										
FINAL - 2001 European Cup (Bremen, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>							
date	24-Jun-01	time	6.56	11.78	17.32	23.29	23.29	1 / 7		
reaction time	0.153	interval		5.22	5.54	5.97		# of strides	11.78	11.51
wind	0.3 m/s	velocity	7.62	9.58	9.03	8.38	8.59		8.49	8.69
Knight, Natalie (USA) (1986)										
FINAL - 2005 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Track Newsletter (2005) - NCAA women's championships</i>							
date	11-Jun-05	time		11.9		23.3	23.29	2 / 6		
reaction time		interval				11.40		# of strides	11.90	11.40

wind	-0.7 m/s	velocity	8.40	8.77	8.59	92.2	8.40	8.77			
Danois, Johanna (FRA) (1987)											
Heat 1 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	6.49	11.73	17.24	23.29	23.29	1 / 3			
reaction time	0.134	interval		5.24	5.51	6.05		# of strides	11.73	11.56	0.17
wind	0.3 m/s	velocity	7.70	9.54	9.07	8.26	8.59	95.0	8.53	8.65	
Freeman, Emily (GBR) (1980)											
FINAL - 2010 Great CityGames (Manchester, GBR) (200m straightaway)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2010) - www.tilastopaja.org</i>											
date	16-May-10	time	11.62	17.19	23.29	23.29	23.29	4 / 3			
reaction time		interval		5.57	6.10			# of strides	11.62	11.67	-0.05
wind	0.2 m/s	velocity	8.61	8.98	8.20	8.59			8.61	8.57	
Gardner, English (USA) (1992)											
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>											
date	19-May-19	time	6.26	11.43	17.05	23.29	23.29	5 / 4			
reaction time	0.151	interval		5.17	5.62	6.24		# of strides	11.43	11.86	-0.43
wind	0.5 m/s	velocity	7.99	9.67	8.90	8.01	8.59	94.0	8.75	8.43	
Kaddari, Dalia (ITA) (2001)											
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	09-Jun-22	time	6.44	11.66	17.22	23.29	23.29	9 / 8			
reaction time	0.148	interval		5.22	5.56	6.07		# of strides	11.66	11.63	0.03
wind	1.3 m/s	velocity	7.76	9.58	8.99	8.24	8.59	97.7	8.58	8.60	
Niemczyk, Magalena (POL) (2003)											
FINAL - 2025 European Athletics U23 Championships (Bergen, NOR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>											
date	19-Jul-25	time	6.37	11.65	17.14	23.29	23.29	3 / 7			
reaction time	0.174	interval		5.28	5.49	6.15		# of strides	11.65	11.64	0.01
wind	-0.7 m/s	velocity	7.85	9.47	9.11	8.13	8.59		8.58	8.59	
Onyali, Mary (NGR) (1968)											
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>											
date	19-Jul-86	time		11.82	17.17	23.30	23.30	/ 2			
reaction time		interval			5.35	6.13		# of strides	11.82	11.48	0.34
wind	0.6 m/s	velocity		8.46	9.35	8.16	8.58		8.46	8.71	
Brice, Tremedia (USA) (1981)											
FINAL - 2005 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	11-Jun-05	time		11.6		23.3	23.30	5 / 7			
reaction time		interval				11.70		# of strides	11.60	11.70	-0.10
wind	-0.7 m/s	velocity		8.62		8.55	8.58	99.7	8.62	8.55	
Hodge, Virgil (SKN) (1983)											
FINAL - 2006 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2005) - NCAA women's championships</i>											
date	10-Jun-06	time		11.8		23.3	23.30	3 / 7			
reaction time		interval				11.50		# of strides	11.80	11.50	0.30
wind	0.8 m/s	velocity		8.47		8.70	8.58	99.0	8.47	8.70	
Halkiá, Faní (GRE) (1979)											
FINAL - 2007 European Cup (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	24-Jun-07	time		11.85	17.33	23.30	23.30	/ 4			
reaction time	0.159	interval			5.48	5.97	PB	# of strides	11.85	11.45	0.40
wind	-2.0 m/s	velocity		8.44	9.12	8.38	8.58		8.44	8.73	
Williams, Lauryn (USA) (1983)											
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time		11.91	17.33	23.30	23.30	8 / 3			
reaction time		interval			5.42	5.97		# of strides	11.91	11.39	0.52
wind	1.4 m/s	velocity		8.40	9.23	8.38	8.58	100.5	8.40	8.78	
Williams, Lauryn (USA) (1983)											
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	13-Sep-08	time		6.47	11.79	17.31	23.30	2 / 6			
reaction time	0.185	interval			5.32	5.52	5.99	# of strides	11.79	11.51	0.28

wind	0.1 m/s	velocity	7.73	9.40	9.06	8.35	8.58		8.48	8.69
Fukushima, Chisato (JPN) (1988)										
Heat 5 - 2015 IAAF World Championships (Beijing, CHN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>										
date	26-Aug-15	time	6.29	11.54	17.16	23.30	23.30	2 / 5		
reaction time	0.157	interval		5.25	5.62	6.14		# of strides	11.54	11.76
wind	0.1 m/s	velocity	7.95	9.52	8.90	8.14	8.58	103.7	8.67	8.50
Pointet, Léonie (SUI) (2001)										
FINAL - 2022 Athletissima (Lausanne, SUI)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Omega Timing (2022) - diamond league race analysis</i>										
date	26-Aug-22	time	6.3	11.6	17.2	23.30	23.30	4 / 1		
reaction time	0.156	interval		5.30	5.60	6.10		# of strides	11.60	11.70
wind	-0.9 m/s	velocity	7.94	9.43	8.93	8.20	8.58		8.62	8.55
Atherley, Michelle (USA) (1995)										
Heptathlon - Heat 1 - 2024 USA Olympic Trials (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	23-Jun-24	time	6.49	11.76	17.24	23.30	23.30	5 / 1		
reaction time		interval		5.27	5.48	6.06	PB	# of strides	11.76	11.54
wind	1.1 m/s	velocity	7.70	9.49	9.12	8.25	8.58		8.50	8.67
Tsimanouskaya, Krystsina (POL) (199)										
Heat 4 - 2024 Olympic Games (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	04-Aug-24	time	6.52	11.80	17.32	23.30	23.30	6 / 5		
reaction time	0.181	interval		5.28	5.52	5.98		# of strides	11.80	11.50
wind	0.0 m/s	velocity	7.67	9.47	9.06	8.36	8.58	98.5	8.47	8.70
Koné, Maboundou (CIV) (1997)										
FINAL - 2025 Golden Gala Pietro Mennea (Roma, ITA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Omega Timing (2025) - diamond league race analysis</i>										
date	06-Jun-25	time	6.30	11.55	17.18	23.30	23.30	4 / 9		
reaction time	0.149	interval		5.25	5.63	6.12		# of strides	11.55	11.75
wind	0.8 m/s	velocity	7.94	9.52	8.88	8.17	8.58	100.5	8.66	8.51
Emmanouilidou, Polyniki (GRE) (2003)										
Semi-Final 2 - 2025 European Athletics U23 Championships (Bergen, NOR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>										
date	19-Jul-25	time	6.46	11.75	17.30	23.30	23.30	3 / 3		
reaction time	0.168	interval		5.29	5.55	6.00		# of strides	11.75	11.55
wind	-1.5 m/s	velocity	7.74	9.45	9.01	8.33	8.58		8.51	8.66
De Freitas, Beyonce (IVB) (2001)										
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time		11.85		23.30	23.30	2 / 5		
reaction time	0.176	interval				11.45		# of strides	11.85	11.45
wind	-0.2 m/s	velocity		8.44		8.73	8.58		8.44	8.73
Krabbe, Katrin (GDR) (1969)										
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>										
date	19-Jul-86	time		11.56	17.27	23.31	23.31	/ 3		
reaction time		interval			5.71	6.04		# of strides	11.56	11.75
wind	0.6 m/s	velocity		8.65	8.76	8.28	8.58		8.65	8.51
Young-Stone, Dannette (USA) (1964)										
FINAL - 1995 USATF National Championships (Sacramento, CA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>USATF Women's Sprint Development (1995)</i>										
date	18-Jun-95	time	6.50	11.83	17.32	23.31	23.31	1 / 8		
reaction time		interval		5.33	5.49	5.99		# of strides	11.83	11.48
wind	2.3 m/s	velocity	7.69	9.38	9.11	8.35	8.58		8.45	8.71
Poelman, Jacqueline (NED) (1973)										
FINAL - 2002 European Championships (Munich, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
date	09-Aug-02	time	6.53	11.83	17.32	23.31	23.31	7 / 7		
reaction time	0.163	interval		5.30	5.49	5.99		# of strides	11.83	11.48
wind	-0.3 m/s	velocity	7.66	9.43	9.11	8.35	8.58		8.45	8.71
Townsend, Tiffany (USA) (1989)										
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>										
date	21-May-17	time	6.40	11.63	17.17	23.31	23.31	5 / 2		
reaction time	0.159	interval		5.23	5.54	6.14		# of strides	11.63	11.68

wind	0.6 m/s	velocity	7.81	9.56	9.03	8.14	8.58	98.5	8.60	8.56
Rosa, Vitoria Cristina (BRA) (1996)										
Semi-Final 3	- 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>									
date	10-Aug-17	time	11.37	16.94	23.14	23.31	9 / 6			
reaction time	0.173	interval		5.57	6.20		# of strides	11.37	11.77	-0.40
wind	-0.2 m/s	velocity	8.80	8.98	8.06	8.58	95.3	8.80	8.50	
Tsimanouskaya, Krystsina (BLR) (199)										
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR) <i>European Athletics (2019) - race analysis</i>									
date	10-Sep-19	time	11.65		23.31	23.31	8 / 6			
reaction time	0.196	interval			11.66		# of strides	11.65	11.66	-0.01
wind	-0.1 m/s	velocity	8.58		8.58	8.58	101.2	8.58	8.58	
Bass, Gina (GAM) (1995)										
FINAL	- 2022 Bauhaus Galan (Stockholm, SWE) <i>Omega Timing (2022) - diamond league race analysis</i>									
date	30-Jun-22	time	6.31	11.49	17.04	23.31	3 / 5			
reaction time	0.152	interval		5.18	5.55	6.27	# of strides	11.49	11.82	-0.33
wind	0.1 m/s	velocity	7.92	9.65	9.01	7.97	103.7	8.70	8.46	
Odiong, Ofonime (BRN) (1997)										
Semi-Final 2	- 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	19-Jul-22	time	11.73		23.31	23.31	1 / 7			
reaction time	0.160	interval			11.58		# of strides	11.73	11.58	0.15
wind	1.4 m/s	velocity	8.53		8.64	8.58	98.0	8.53	8.64	
Prandini, Jenna (USA) (1992)										
FINAL	- 2024 Bauhaus Galan (Stockholm, SWE) <i>Omega Timing (2024) - diamond league race analysis</i>									
date	02-Jun-24	time	6.41	11.51	17.04	23.31	6 / 7			
reaction time	0.171	interval		5.10	5.53	6.27	# of strides	11.51	11.80	-0.29
wind	-2.0 m/s	velocity	7.80	9.80	9.04	7.97	98.0	8.69	8.47	
Li Yuting (CHN) (2002)										
Heat 6	- 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>									
date	04-Aug-24	time	6.37	11.64	17.23	23.31	9 / 7			
reaction time	0.148	interval		5.27	5.59	6.08	# of strides	11.64	11.67	-0.03
wind	0.5 m/s	velocity	7.85	9.49	8.94	8.22	91.0	8.59	8.57	
Fontana, Vittoria (ITA) (2000)										
Heat 6	- 2025 World Athletics Championships (Tokyo, JPN) <i>Seiko Timing (2025) - 2025 World Championships race analysis</i>									
date	17-Sep-25	time	11.82		23.31	23.31	3 / 8			
reaction time	0.207	interval			11.49		# of strides	11.82	11.49	0.33
wind	0.0 m/s	velocity	8.46		8.70	8.58	99.5	8.46	8.70	
Tabakova, Yuliya (RUS) (1980)										
Semi-Final 2	- 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>									
date	09-Aug-02	time	6.45	11.70	17.32	23.32	/ 6			
reaction time	0.144	interval		5.25	5.62	6.00	# of strides	11.70	11.62	0.08
wind	0.0 m/s	velocity	7.75	9.52	8.90	8.33	8.58	8.55	8.61	
Pelham, Shaunta (USA) (1978)										
FINAL	- 2003 USATF National Championships (Palo Alto, CA) <i>USATF Women's Sprint Development (2003)</i>									
date	22-Jun-03	time	6.66	11.96	17.40	23.32	2 / ~~Z~~ 6			
reaction time		interval		5.30	5.44	5.92	# of strides	11.96	11.36	0.60
wind	0.0 m/s	velocity	7.51	9.43	9.19	8.45	8.58	8.36	8.80	
Neumiarzhytskaya, Alena (BLR) (1980)										
FINAL	- 2007 European Cup (Munich, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>									
date	24-Jun-07	time	11.63	17.17	23.32	23.32	/ 5			
reaction time	0.213	interval		5.54	6.15	PB	# of strides	11.63	11.69	-0.06
wind	-2.0 m/s	velocity	8.60	9.03	8.13	8.58		8.60	8.55	
Hjelmer, Moa (SWE) (1990)										
FINAL	- 2012 Windsprint (Sundsvall, SWE) <i>(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx</i>									
date	17-Jun-12	time	11.94		23.32	23.32	/ 2			
reaction time		interval			11.38		# of strides	11.94	11.38	0.56

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	8.38	4.29	8.58	8.38	8.79			
Williams, Jodean (JAM) (1993)										
Semi-Final 3	- 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>									
date	10-Aug-17	time	11.51	17.08	23.14	23.32	2 / 7			
reaction time	0.182	interval		5.57	6.06		# of strides	11.51	11.63	-0.12
wind	-0.2 m/s	velocity	8.69	8.98	8.25	8.58	94.4	8.69	8.60	
Miller, Polina (RUS) (2000)										
FINAL	- 2018 IAAF World Junior Championships (Tampere, FIN) <i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>									
date	14-Jul-18	time	6.60	11.83	17.35	23.32	23.32	6 / ~~5~~ 4		
reaction time	0.221	interval		5.23	5.52	5.97	# of strides	11.83	11.49	0.34
wind	-0.1 m/s	velocity	7.58	9.56	9.06	8.38	8.58	8.45	8.70	
Sharipova, Nigina (UZB) (1995)										
FINAL	- 2018 Asian Games (Jakarta, INA) <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	29-Aug-18	time	6.57	11.85	17.32	23.32	23.32	7 / 4		
reaction time	0.161	interval		5.28	5.47	6.00	# of strides	11.85	11.47	0.38
wind	-0.7 m/s	velocity	7.61	9.47	9.14	8.33	8.58	97.7	8.44	8.72
Koné, Maboundou (CIV) (1997)										
Heat 5	- 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time	11.74		23.32	23.32	2 / 6			
reaction time	0.176	interval			11.58		# of strides	11.74	11.58	0.16
wind	0.9 m/s	velocity	8.52		8.64	8.58	99.2	8.52	8.64	
Wessolly, Jessica-Bianca (GER) (1996)										
FINAL	- 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN) <i>Omega Timing (2025) - diamond league race analysis</i>									
date	03-May-25	time	6.46	11.75	17.33	23.32	23.32	1 / 7		
reaction time	0.160	interval		5.29	5.58	5.99	# of strides	11.75	11.57	0.18
wind	0.5 m/s	velocity	7.74	9.45	8.96	8.35	8.58	100.0	8.51	8.64
Okuku, Holly (GER) (2005)										
FINAL	- 2025 European Athletics U23 Championships (Bergen, NOR) <i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>									
date	19-Jul-25	time	6.48	11.70	17.17	23.32	23.32	4 / 8		
reaction time	0.161	interval		5.22	5.47	6.15	# of strides	11.70	11.62	0.08
wind	-0.7 m/s	velocity	7.72	9.58	9.14	8.13	8.58	88.7	8.55	8.61
Anliker-Aebi, Regula (SUI) (1965)										
Semi-Final 2	- 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>									
date	29-Sep-88	time	6.55	11.81	17.45	23.33	23.33	2 / 8		
reaction time	0.199	interval		5.26	5.64	5.88	# of strides	11.81	11.52	0.29
wind	1.8 m/s	velocity	7.63	9.51	8.87	8.50	8.57	8.47	8.68	
Lucas, Porscha (USA) (1988)										
Quarter-Final 3	- 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	6.45	11.88	17.30	23.33	23.33	6 / 4		
reaction time		interval		5.43	5.42	6.03	# of strides	11.88	11.45	0.43
wind	0.0 m/s	velocity	7.75	9.21	9.23	8.29	8.57	8.42	8.73	
Barber, Mikele (USA) (1980)										
Quarter-Final 4	- 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	6.55	12.03	17.39	23.33	23.33	5 / 3		
reaction time		interval		5.48	5.36	5.94	# of strides	12.03	11.30	0.73
wind	-1.3 m/s	velocity	7.63	9.12	9.33	8.42	8.57	8.31	8.85	
Anim, Vida (GHA) (1983)										
Heat 5	- 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	19-Aug-09	time	6.40	11.64	17.23	23.33	23.33	5 / 4		
reaction time	0.168	interval		5.24	5.59	6.10	# of strides	11.64	11.69	-0.05
wind	0.1 m/s	velocity	7.81	9.54	8.94	8.20	8.57	99.0	8.59	8.55
White, Cierra (USA) (1993)										
FINAL	- 2014 NCAA Championships (Eugene, OR) <i>Track Newsletter (2014) - NCAA women's championships</i>									
date	14-Jun-14	time	11.9		23.3	23.33	/ 8			
reaction time		interval			11.40		# of strides	11.90	11.40	0.50

wind 2.2 m/s velocity 8.40 8.77 8.57 8.40 8.77

Wessolly, Jessica-Bianca (GER) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR) *Timing by Seiko (2022) - world athletics championships race analysis*
 date 19-Jul-22 time 11.91 23.33 23.33 2 / 7
 reaction time 0.175 interval 11.42 # of strides 11.91 11.42 0.49
 wind -0.1 m/s velocity 8.40 8.76 8.57 97.0 8.40 8.76

Suarez, Gabriela Anahi (ECU) (2001) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Heat 2 - 2024 Olympic Games (Paris, FRA) *Paris 2024 Olympic Games - Results Book (2024)*
 date 04-Aug-24 time 6.29 11.53 17.13 23.33 23.33 4 / 5
 reaction time 0.144 interval 5.24 5.60 6.20 # of strides 11.53 11.80 -0.27
 wind 0.0 m/s velocity 7.95 9.54 8.93 8.06 8.57 102.7 8.67 8.47

Lindahl, Nora (SWE) (2004) 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 04-Aug-24 time 6.54 11.83 17.36 23.33 23.33 2 / 5
 reaction time 0.150 interval 5.29 5.53 5.97 # of strides 11.83 11.50 0.33
 wind 0.0 m/s velocity 7.65 9.45 9.04 8.38 8.57 95.5 8.45 8.70

Kaddari, Dalia (ITA) (2001) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
FINAL - 2024 Golden Gala Pietro Mennea (Roma, ITA) *Omega Timing (2024) - diamond league race analysis*
 date 30-Aug-24 time 6.49 11.65 17.19 23.33 23.33 9 / 9
 reaction time 0.157 interval 5.16 5.54 6.14 # of strides 11.65 11.68 -0.03
 wind 0.4 m/s velocity 7.70 9.69 9.03 8.14 8.57 8.58 8.56

Koné, Maboundou (CIV) (1997) 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 6.53 11.80 17.37 23.33 23.33 1 / ~~8~~ 7
 reaction time 0.189 interval 5.27 5.57 5.96 # of strides 11.80 11.53 0.27
 wind 0.2 m/s velocity 7.66 9.49 8.98 8.39 8.57 99.0 8.47 8.67

Wessolly, Jessica-Bianca (GER) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Heat 2 - 2025 World Athletics Championships (Tokyo, JPN) *Seiko Timing (2025) - 2025 World Championships race analysis*
 date 17-Sep-25 time 11.77 23.33 23.33 3 / 7
 reaction time 0.201 interval 11.56 # of strides 11.77 11.56 0.21
 wind -0.3 m/s velocity 8.50 8.65 8.57 99.0 8.50 8.65

Dertrand, Leah (TTO) (2002) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN) *Seiko Timing (2025) - 2025 World Championships race analysis*
 date 17-Sep-25 time 11.92 23.33 23.33 8 / 6
 reaction time 0.162 interval 11.41 # of strides 11.92 11.41 0.51
 wind 0.1 m/s velocity 8.39 8.76 8.57 100.0 8.39 8.76

Knight, Natalie (USA) (1986) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
FINAL - 2005 USATF National Junior Championships (Carson, CA) *USATF Women's Sprint Development (2005)*
 date 24-Jun-05 time 11.86 17.40 23.34 23.34 1 / 5
 reaction time interval 5.54 5.94 # of strides 11.86 11.48 0.38
 wind 0.6 m/s velocity 8.43 9.03 8.42 8.57 8.43 8.71

Lowery, Santana (USA) (1987) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Heat 5 - 2008 USA Olympic Trials (Eugene, OR) *USATF Women's Sprint Development with HPC (2008)*
 date 04-Jul-08 time 6.57 11.89 17.40 23.34 23.34 6 / 4
 reaction time interval 5.32 5.51 5.94 **PB** # of strides 11.89 11.45 0.44
 wind 2.0 m/s velocity 7.61 9.40 9.07 8.42 8.57 8.41 8.73

Hodge, Virgil (SKN) (1983) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Heat 2 - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*
 date 19-Aug-09 time 6.43 11.61 17.13 23.34 23.34 1 / 4
 reaction time 0.172 interval 5.18 5.52 6.21 # of strides 11.61 11.73 -0.12
 wind 0.1 m/s velocity 7.78 9.65 9.06 8.05 8.57 99.0 8.61 8.53

Al-Gasara, Rakia (BRN) (1982) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential
Heat 3 - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*
 date 19-Aug-09 time 6.55 11.75 17.30 23.34 23.34 2 / ~~5~~
 reaction time 0.231 interval 5.20 5.55 6.04 **DV** # of strides 11.75 11.59 0.16

wind	0.0 m/s	velocity	7.63	9.62	9.01	8.28	8.57	98.0	8.51	8.63	
Henderson, Ashley (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 NCAA Championships (Eugene, OR)			Track Newsletter (2018) - NCAA women's championships								
date	09-Jun-18	time		11.5		23.3	23.34	/ 6			
reaction time		interval				11.80		# of strides	11.50	11.80	-0.30
wind	-2.3 m/s	velocity		8.70		8.47	8.57		8.70	8.47	
Owusu-Afriyie, Nana (AUS) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			Hirokawa (2019) - research on athlete performance and technique- 2019 data book								
date	19-May-19	time	6.42	11.64	17.22	23.34	23.34	9 / 5			
reaction time	0.170	interval		5.22	5.58	6.12		# of strides	11.64	11.70	-0.06
wind	0.5 m/s	velocity	7.79	9.58	8.96	8.17	8.57	97.7	8.59	8.55	
Joseph, Gémima (FRA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting de Paris (Paris, FRA)			Omega Timing (2023) - diamond league race analysis								
date	09-Jun-23	time	6.27	11.63	17.24	23.34	23.34	1 / 8			
reaction time	0.169	interval		5.36	5.61	6.10		# of strides	11.63	11.71	-0.08
wind	-0.4 m/s	velocity	7.97	9.33	8.91	8.20	8.57	101.5	8.60	8.54	
Tsimanouskaya, Krystsina (POL) (199)			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		11.74		23.34	23.34	3 / 8			
reaction time	0.199	interval				11.60		# of strides	11.74	11.60	0.14
wind	-0.2 m/s	velocity		8.52		8.62	8.57	101.0	8.52	8.62	
Jones, Allie (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	23-Jun-24	time	6.54	11.90	17.42	23.34	23.34	7 / 2			
reaction time		interval		5.36	5.52	5.92	PB	# of strides	11.90	11.44	0.46
wind	1.1 m/s	velocity	7.65	9.33	9.06	8.45	8.57		8.40	8.74	
Gross, Mia (AUS) (2001)			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	05-Aug-24	time	6.51	11.79	17.35	23.34	23.34	4 / 4			
reaction time	0.155	interval		5.28	5.56	5.99		# of strides	11.79	11.55	0.24
wind	-0.4 m/s	velocity	7.68	9.47	8.99	8.35	8.57	96.0	8.48	8.66	
Irby-Jackson, Lynna (USA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Invitaitional - 2024 Memorial van damme (Brussels, BEL)			Omega Timing (2024) - diamond league race analysis								
date	14-Sep-24	time	6.49	11.76	17.34	23.34	23.34	3 / 5			
reaction time	0.204	interval		5.27	5.58	6.00		# of strides	11.76	11.58	0.18
wind	0.1 m/s	velocity	7.70	9.49	8.96	8.33	8.57	93.0	8.50	8.64	
Nielsen, Laviai (GBR) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long Sprints - 2025 Grand Slam Track Philadelphia (Philadelphia, PA)			Grand Slam Track (2025) - results and splits by race								
date	01-Jun-25	time	6.55	11.93	17.51	23.34	23.34	1 / 8			
reaction time	0.143	interval		5.38	5.58	5.83		# of strides	11.93	11.41	0.52
wind	1.6 m/s	velocity	7.63	9.29	8.96	8.58	8.57	96.5	8.38	8.76	
Morris, Brooklyn (USA) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	10-Jun-06	time		11.9		23.4	23.35	9 / 8			
reaction time		interval				11.50		# of strides	11.90	11.50	0.40
wind	0.8 m/s	velocity		8.40		8.70	8.57	95.7	8.40	8.70	
Williams, Charonda (USA) (1987)			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	6.60	11.94	17.46	23.35	23.35	3 / 4			
reaction time		interval		5.34	5.52	5.89		# of strides	11.94	11.41	0.53
wind	1.3 m/s	velocity	7.58	9.36	9.06	8.49	8.57		8.38	8.76	
Ferguson, Sheniqua (BAH) (1989)			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	19-Aug-09	time	6.51	11.74	17.32	23.35	23.35	5 / 4			
reaction time	0.176	interval		5.23	5.58	6.03		# of strides	11.74	11.61	0.13

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	7.68	9.56	8.96	8.29	8.57	92.7	8.52	8.61
Townsend, Tiffany (USA) (1989)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2010 NCAA Championships (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>										
date	12-Jun-10	time	12.1	23.4	23.35	/ 4				
reaction time		interval		11.30		# of strides	12.10	11.30	0.80	
wind	1.2 m/s	velocity	8.26	8.85	8.57		8.26	8.85		
Soumaré, Myriam (FRA) (1986)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway) <i>Butler (2011) - Gay's last 100 in Manchester street 150</i>										
date	15-May-11	time	6.42	11.67	23.35	23.35	4 / 2			
reaction time		interval	5.25	5.59	6.09		# of strides	11.67	11.68	-0.01
wind	2.6 m/s	velocity	7.79	9.52	8.94	8.21	8.57	8.57	8.56	
Martin, Jada (USA) (1995)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2014 IAAF World Junior Championships (Eugene, OR) <i>Track Newsletter (2014) - World Junior championships women</i>										
date	25-Jul-14	time	11.9	23.4	23.35	7 / 5				
reaction time	0.164	interval		11.50		# of strides	11.90	11.50	0.40	
wind	2.4 m/s	velocity	8.40	8.70	8.57		8.40	8.70		
Fukushima, Chisato (JPN) (1988)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN) <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>										
date	03-May-18	time	6.37	11.61	23.35	23.35	4 / 1			
reaction time	0.176	interval	5.24	5.58	6.16		# of strides	11.61	11.74	-0.13
wind	1.1 m/s	velocity	7.85	9.54	8.96	8.12	8.57	105.5	8.61	8.52
Léger, Catherine (CAN) (2000)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 6 - 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	18-Jul-22	time	11.76	23.35	23.35	7 / 5				
reaction time	0.133	interval		11.59		# of strides	11.76	11.59	0.17	
wind	1.9 m/s	velocity	8.50	8.63	8.57	102.2	8.50	8.63		
Nazareno, Aimará (ECU) (2001)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Repechage 1 - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	05-Aug-24	time	6.44	11.76	23.35	23.35	5 / 5			
reaction time	0.181	interval	5.32	5.54	6.05		# of strides	11.76	11.59	0.17
wind	0.6 m/s	velocity	7.76	9.40	9.03	8.26	8.57	96.7	8.50	8.63
Lindahl, Nora (SWE) (2004)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN) <i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	17-Sep-25	time	11.93	23.35	23.35	7 / 7				
reaction time	0.163	interval		11.42		# of strides	11.93	11.42	0.51	
wind	0.1 m/s	velocity	8.38	8.76	8.57	93.0	8.38	8.76		
Burkett, Aspen (USA) (1976)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA) <i>USATF Women's Sprint Development (1996)</i>										
date	22-Jun-96	time	12.03	17.46	23.36	23.36	8 / 5			
reaction time		interval	5.43	5.90		# of strides	12.03	11.33	0.70	
wind	-0.5 m/s	velocity	8.31	9.21	8.47	8.56		8.31	8.83	
Safronnikova, Natalia (BLR) (1973)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1997 European Cup (Munich, GER) <i>Jung (2003) - http://www.fgs.uni-halle.de</i>										
date	22-Jun-97	time	6.57	11.87	23.36	23.36	/ 4			
reaction time		interval	5.30	5.51	5.98		# of strides	11.87	11.49	0.38
wind	-0.2 m/s	velocity	7.61	9.43	9.07	8.36	8.56	8.42	8.70	
Maduaka, Joice (GBR) (1973)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>										
date	22-Sep-07	time	6.46	11.86	23.36	23.36	1 / 6			
reaction time		interval	5.40	5.58	5.92		# of strides	11.86	11.50	0.36
wind	0.5 m/s	velocity	7.74	9.26	8.96	8.45	8.56	8.43	8.70	
Cole, Leslie (USA) (1987)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.69	11.94	23.36	23.36	8 / 5			
reaction time		interval	5.25	5.43	5.99	PB	# of strides	11.94	11.42	0.52

wind	0.0 m/s	velocity	7.47	9.52	9.21	8.35	8.56		8.38	8.76	
Dobbin, Beth (GBR) (1994)											
FINAL	- 2022 Golden Gala Pietro Mennea (Rome, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2022) - diamond league race analysis											
date	09-Jun-22	time	6.48	11.81	17.39	23.36	23.36	1 / 9			
reaction time	0.154	interval		5.33	5.58	5.97		# of strides	11.81	11.55	0.26
wind	1.3 m/s	velocity	7.72	9.38	8.96	8.38	8.56	101.0	8.47	8.66	
Hulls, Georgia (NZL) (1999)											
Heat 4	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2023) - world championship race analysis											
date	23-Aug-23	time		11.88		23.36	23.36	2 / 5			
reaction time	0.148	interval				11.48		# of strides	11.88	11.48	0.40
wind	-0.4 m/s	velocity		8.42		8.71	8.56	99.0	8.42	8.71	
Gross, Mia (AUS) (2001)											
Heat 4	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Paris 2024 Olympic Games - Results Book (2024)											
date	04-Aug-24	time	6.45	11.71	17.31	23.36	23.36	5 / 6			
reaction time	0.178	interval		5.26	5.60	6.05		# of strides	11.71	11.65	0.06
wind	0.0 m/s	velocity	7.75	9.51	8.93	8.26	8.56	96.7	8.54	8.58	
Hoenke, Fabienne (SUI) (2004)											
Semi-Final 2	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
European Athletics (2025) - 2025 euro athletics U23 champs- results book											
date	19-Jul-25	time	6.39	11.66	17.27	23.36	23.36	7 / =4			
reaction time	0.132	interval		5.27	5.61	6.09		# of strides	11.66	11.70	-0.04
wind	-1.5 m/s	velocity	7.82	9.49	8.91	8.21	8.56		8.58	8.55	
Mensah, Kisiwaa (GBR) (2005)											
Semi-Final 2	- 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
European Athletics (2025) - 2025 euro athletics U23 champs- results book											
date	19-Jul-25	time	6.40	11.71	17.28	23.36	23.36	4 / =4			
reaction time	0.148	interval		5.31	5.57	6.08		# of strides	11.71	11.65	0.06
wind	-1.5 m/s	velocity	7.81	9.42	8.98	8.22	8.56		8.54	8.58	
Bikar, Alenka (SLO) (1974)											
FINAL	- 2002 European Championships (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - http://www.fgs.uni-halle.de											
date	09-Aug-02	time	6.46	11.75	17.32	23.37	23.37	1 / 8			
reaction time	0.143	interval		5.29	5.57	6.05		# of strides	11.75	11.62	0.13
wind	-0.3 m/s	velocity	7.74	9.45	8.98	8.26	8.56		8.51	8.61	
Solomon, Shalonda (USA) (1985)											
FINAL	- 2003 USATF National Junior Championships (Palo Alto, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2003)											
date	21-Jun-03	time	6.59	12.01	17.47	23.37	23.37	6 / 1			
reaction time		interval		5.42	5.46	5.90		# of strides	12.01	11.36	0.65
wind	-1.5 m/s	velocity	7.59	9.23	9.16	8.47	8.56		8.33	8.80	
Williams, Charonda (USA) (1987)											
Heat 1	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	04-Jul-08	time	6.51	11.89	17.37	23.37	23.37	3 / 4			
reaction time		interval		5.38	5.48	6.00		# of strides	11.89	11.48	0.41
wind	1.4 m/s	velocity	7.68	9.29	9.12	8.33	8.56	100.0	8.41	8.71	
Cole, Leslie (USA) (1987)											
Heat 2	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	04-Jul-08	time	6.64	11.99	17.41	23.37	23.37	7 / 5			
reaction time		interval		5.35	5.42	5.96	PB	# of strides	11.99	11.38	0.61
wind	0.0 m/s	velocity	7.53	9.35	9.23	8.39	8.56		8.34	8.79	
Williams, Charonda (USA) (1987)											
Semi-Final 1	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	05-Jul-08	time	6.54	11.88	17.45	23.37	23.37	2 / 7			
reaction time		interval		5.34	5.57	5.92		# of strides	11.88	11.49	0.39
wind	-0.1 m/s	velocity	7.65	9.36	8.98	8.45	8.56		8.42	8.70	
Gushchina, Yuliya (RUS) (1983)											
FINAL	- 2008 IAAF World Athletics Final (Stuttgart, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - http://www.fgs.uni-halle.de											
date	13-Sep-08	time	6.37	11.64	17.24	23.37	23.37	1 / 7			
reaction time	0.148	interval		5.27	5.60	6.13		# of strides	11.64	11.73	-0.09

wind	0.1 m/s	velocity	7.85	9.49	8.93	8.16	8.56		8.59	8.53	
Henriksson, Julia (SWE) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2023) - diamond league race analysis								
date	02-Jul-23	time	6.45	11.76	17.29	23.37	23.37	1 / 7			
reaction time	0.136	interval		5.31	5.53	6.08		# of strides	11.76	11.61	0.15
wind	-0.6 m/s	velocity	7.75	9.42	9.04	8.22	8.56	97.0	8.50	8.61	
Dickson, Camryn (USA) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	6.42	11.77	17.48	23.37	23.37	3 / 5			
reaction time		interval		5.35	5.71	5.89		# of strides	11.77	11.60	0.17
wind	0.8 m/s	velocity	7.79	9.35	8.76	8.49	8.56	102.7	8.50	8.62	
Azevedo, Ana Carolina (BRA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.40	11.66	17.23	23.37	23.37	6 / 8			
reaction time	0.152	interval		5.26	5.57	6.14		# of strides	11.66	11.71	-0.05
wind	0.5 m/s	velocity	7.81	9.51	8.98	8.14	8.56	100.0	8.58	8.54	
Mihalinec Zidar, Maja (SLO) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Invitaional - 2024 Memorial van damme (Brussels, BEL)			Omega Timing (2024) - diamond league race analysis								
date	14-Sep-24	time	6.42	11.77	17.30	23.37	23.37	2 / 6			
reaction time	0.135	interval		5.35	5.53	6.07		# of strides	11.77	11.60	0.17
wind	0.1 m/s	velocity	7.79	9.35	9.04	8.24	8.56	99.0	8.50	8.62	
Li Yuting (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	16-Sep-24	time		11.69	17.27	23.37	23.37	6 / 2			
reaction time	0.180	interval			5.58	6.10		# of strides	11.69	11.68	0.01
wind	-1.0 m/s	velocity		8.55	8.96	8.20	8.56	92.2	8.55	8.56	
Li Yuting (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2025) - diamond league race analysis								
date	26-Apr-25	time	6.44	11.69	17.26	23.37	23.37	2 / 7			
reaction time	0.158	interval		5.25	5.57	6.11		# of strides	11.69	11.68	0.01
wind	0.4 m/s	velocity	7.76	9.52	8.98	8.18	8.56	92.7	8.55	8.56	
Táborská, Terezie (CZE) (2006)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			European Athletics (2025) - 2025 euro team champs, 1st division - results book								
date	29-Jun-25	time	6.45	11.67	17.22	23.37	23.37	1 / 8			
reaction time	0.148	interval		5.22	5.55	6.15		# of strides	11.67	11.70	-0.03
wind	0.8 m/s	velocity	7.75	9.58	9.01	8.13	8.56	96.0	8.57	8.55	
Tallon, Lucy (GBR) (2006)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)			European Athletics (2025) - 2025 european athletics U20 champs - results book								
date	09-Aug-25	time	6.59	11.90	17.48	23.37	23.37	5 / 1			
reaction time	0.146	interval		5.31	5.58	5.89	PB	# of strides	11.90	11.47	0.43
wind	-0.4 m/s	velocity	7.59	9.42	8.96	8.49	8.56		8.40	8.72	
Knight, Natalie (USA) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)								
date	04-Jul-08	time	6.59	11.91	17.38	23.38	23.38	5 / 3			
reaction time		interval		5.32	5.47	6.00		# of strides	11.91	11.47	0.44
wind	0.5 m/s	velocity	7.59	9.40	9.14	8.33	8.55	93.0	8.40	8.72	
Power, Adrienne (CAN) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	19-Aug-09	time	6.50	11.76	17.33	23.38	23.38	3 / ~~6~~ 5			
reaction time	0.176	interval		5.26	5.57	6.05		# of strides	11.76	11.62	0.14
wind	0.0 m/s	velocity	7.69	9.51	8.98	8.26	8.55	102.0	8.50	8.61	
Lloyd, Joella (ANT) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	19-Jul-22	time		11.86		23.38	23.38	1 / 8			
reaction time	0.190	interval				11.52		# of strides	11.86	11.52	0.34

wind	-0.1 m/s	velocity	8.43	8.68	8.55	100.5	8.43	8.68			
Gogl-Walli, Susanne (AUT) (1996)											
Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time	12.06			23.38	23.38	3 / 5			
reaction time	0.167	interval				11.32		# of strides	12.06	11.32	0.74
wind	-0.4 m/s	velocity	8.29			8.83	8.55	96.5	8.29	8.83	
Agyapong, Finette (GBR) (1997)											
FINAL - 2024 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	22-Aug-24	time	6.60	11.87	17.36	23.38	23.38	3 / 7			
reaction time	0.140	interval	5.27	5.49	6.02	6.02		# of strides	11.87	11.51	0.36
wind	0.9 m/s	velocity	7.58	9.49	9.11	8.31	8.55		8.42	8.69	
Roberts, Tameka (USA) (1974)											
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (1996)</i>											
date	22-Jun-96	time	11.88	17.29	23.39	23.39	23.39	7 / 6			
reaction time		interval		5.41	6.10	6.10		# of strides	11.88	11.51	0.37
wind	-0.5 m/s	velocity	8.42	9.24	8.20	8.55	8.55		8.42	8.69	
Kaidantzí, Ólga (GRE) (1979)											
Semi-Final 2 - 2002 European Championships (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.57	11.87	17.39	23.39	23.39	/ 7			
reaction time	0.163	interval	5.30	5.52	6.00	6.00		# of strides	11.87	11.52	0.35
wind	0.0 m/s	velocity	7.61	9.43	9.06	8.33	8.55		8.42	8.68	
Lilja, Lisa (SWE) (1996)											
FINAL - 2021 Bauhaus Galan (Stockholm, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2021) - diamond league race analysis</i>											
date	04-Jul-21	time	6.6	11.8	17.4	23.39	23.39	8 / 7			
reaction time	0.155	interval	5.20	5.60	5.99	5.99	PB	# of strides	11.80	11.59	0.21
wind	-0.4 m/s	velocity	7.58	9.62	8.93	8.35	8.55	98.0	8.47	8.63	
Kambundji, Mujinga (SUI) (1992)											
FINAL - 2024 Xiamen Diamond League (Xiamen, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	20-Apr-24	time	6.36	11.58	17.20	23.39	23.39	8 / 6			
reaction time	0.146	interval	5.22	5.62	6.19	6.19		# of strides	11.58	11.81	-0.23
wind	-0.4 m/s	velocity	7.86	9.58	8.90	8.08	8.55	101.7	8.64	8.47	
Edwards, Kristie, (AUS) (2000)											
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	17-Sep-25	time	11.57			23.39	23.39	6 / 6			
reaction time	0.117	interval				11.82		# of strides	11.57	11.82	-0.25
wind	-0.2 m/s	velocity	8.64			8.46	8.55	98.5	8.64	8.46	
Williams, Angela (USA) (1980)											
Semi-Final 1 - 1996 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (1996)</i>											
date	22-Jun-96	time	11.98	17.35	23.40	23.40	23.40	2 / 7			
reaction time		interval		5.37	6.05	6.05	PB	# of strides	11.98	11.42	0.56
wind	-0.5 m/s	velocity	8.35	9.31	8.26	8.55	8.55		8.35	8.76	
Olear, Elizabeth (USA) (1988)											
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2006)</i>											
date	23-Jun-06	time	6.64	11.76	17.33	23.40	23.40	7 / 5			
reaction time		interval	5.12	5.57	6.07	6.07		# of strides	11.76	11.64	0.12
wind	0.9 m/s	velocity	7.53	9.77	8.98	8.24	8.55		8.50	8.59	
Lewis, Mechelle (USA) (1980)											
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.47	11.72	17.30	23.40	23.40	2 / 6			
reaction time		interval		5.25	5.58	6.10		# of strides	11.72	11.68	0.04
wind	0.0 m/s	velocity	7.73	9.52	8.96	8.20	8.55		8.53	8.56	
Fukushima, Chisato (JPN) (1988)											
Heat 1 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	6.36	11.63	17.24	23.40	23.40	6 / 4			
reaction time	0.164	interval	5.27	5.61	6.16	6.16		# of strides	11.63	11.77	-0.14

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DV=Drug Violation

wind	0.3 m/s	velocity	7.86	9.49	8.91	8.12	8.55	102.0	8.60	8.50	
Čechová, Katerína (CZE) (1988)											
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fehér (2013) - Final report men's & women's Czech Republic national champs											
date	16-Jun-13	time	6.43	11.73	17.30	23.40	23.40	3 / 2			
reaction time	0.161	interval		5.30	5.57	6.10	PB	# of strides	11.73	11.67	0.06
wind	0.3 m/s	velocity	7.78	9.43	8.98	8.20	8.55		8.53	8.57	
Wisil, Toea (PNG) (1988)											
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takahashi (2017) - 200m running performance analysis in the 2017 season											
date	21-May-17	time	6.30	11.49	17.10	23.40	23.40	6 / 3			
reaction time	0.157	interval		5.19	5.61	6.30		# of strides	11.49	11.91	-0.42
wind	0.6 m/s	velocity	7.94	9.63	8.91	7.94	8.55	103.5	8.70	8.40	
Williams, Bianca (GBR) (1993)											
Semi-Final 3 - 2017 IAAF World Championships (London, GBR) Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Aug-17	time		11.48	17.09	23.24	23.40	3 / 6			
reaction time	0.161	interval			5.61	6.15		# of strides	11.48	11.76	-0.28
wind	-0.2 m/s	velocity		8.71	8.91	8.13	8.55	101.4	8.71	8.50	
Liang Xiaojing (CHN) (1997)											
Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
CAA Hurdle Development (2021)											
date	12-Jun-21	time		11.63	17.16	23.40	23.40	5 / 1			
reaction time	0.156	interval			5.53	6.24		# of strides	11.63	11.77	-0.14
wind	-0.2 m/s	velocity		8.60	9.04	8.01	8.55	107.0	8.60	8.50	
Kaden, Lilly (GER) (2001)											
FINAL - 2021 Memorial van Damme (Brussels, BEL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2021) - diamond league race analysis											
date	03-Sep-21	time	6.5	11.7	17.4	23.40	23.40	1 / 7			
reaction time	0.206	interval		5.20	5.70	6.00		# of strides	11.70	11.70	0.00
wind	0.4 m/s	velocity	7.69	9.62	8.77	8.33	8.55	101.0	8.55	8.55	
Beecher, Jacinta (AUS) (1998)											
Semi-Final 1 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Longines Timing (2022) - commonwealth games race analysis											
date	05-Aug-22	time	6.4	11.7	17.3	23.40	23.40	9 / 4			
reaction time	0.133	interval		5.30	5.60	6.10		# of strides	11.70	11.70	0.00
wind	1.9 m/s	velocity	7.81	9.43	8.93	8.20	8.55	94.0	8.55	8.55	
Dobbin, Beth (GBR) (1994)											
FINAL - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Longines Timing (2022) - commonwealth games race analysis											
date	06-Aug-22	time	6.4	11.8	17.4	23.40	23.40	3 / 8			
reaction time	0.143	interval		5.40	5.60	6.00		# of strides	11.80	11.60	0.20
wind	0.6 m/s	velocity	7.81	9.26	8.93	8.33	8.55	98.0	8.47	8.62	
Mokobe, Judith Bilepo (GER) (2006)											
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
European Athletics (2025) - 2025 european athletics U20 champs - results book											
date	09-Aug-25	time	6.58	11.83	16.95	23.40	23.40	5 / 1			
reaction time	0.155	interval		5.25	5.12	6.45		# of strides	11.83	11.57	0.26
wind	-2.0 m/s	velocity	7.60	9.52	9.77	7.75	8.55	97.0	8.45	8.64	
Matthews, Gabrielle (JAM) (2002)											
Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2025) - 2025 World Championships race analysis											
date	17-Sep-25	time	6.49			23.40	23.40	6 / 7			
reaction time	0.161	interval				16.91		# of strides			
wind	0.1 m/s	velocity	7.70			8.87	8.55	92.5			
Atcho, Sarah (SUI) (1995)											
FINAL - 2019 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2019) - diamond league race analysis											
date	05-Jul-19	time	6.5	11.8	17.3	23.41	23.41	7 / 6			
reaction time	0.139	interval		5.3	5.5	6.11		# of strides	11.80	11.61	0.19
wind	1.0 m/s	velocity	7.69	9.43	9.09	8.18	8.54		8.47	8.61	
Huang Guifen (CHN) (1997)											
Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
CAA Hurdle Development (2021)											
date	12-Jun-21	time		11.80		23.41	23.41	6 / 1			
reaction time	0.176	interval				11.61		# of strides	11.80	11.61	0.19

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DV=Drug Violation

wind	-0.4 m/s	velocity	8.47	8.61	8.54	97.0	8.47	8.61	
Del Ponte, Ajla (SUI) (1996)									
FINAL - 2022 Bauhaus Galan (Stockholm, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Omega Timing (2022) - diamond league race analysis									
date	30-Jun-22	time	6.32	11.50	17.12	23.41	23.41	2 / 6	
reaction time	0.140	interval		5.18	5.62	6.29		# of strides	11.50 11.91 -0.41
wind	0.1 m/s	velocity	7.91	9.65	8.90	7.95	8.54	101.0	8.70 8.40
Bazolo, Loréne Dorcas (POR) (1983)									
Heat 2 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Timing by Seiko (2022) - world athletics championships race analysis									
date	18-Jul-22	time		11.70		23.41	23.41	2 / 6	
reaction time	0.159	interval				11.71		# of strides	11.70 11.71 -0.01
wind	-0.2 m/s	velocity		8.55		8.54	8.54	99.5	8.55 8.54
Connolly, Ella (AUS) (2000)									
Semi-Final 2 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Longines Timing (2022) - commonwealth games race analysis									
date	05-Aug-22	time	6.3	11.7	17.3	23.41	23.41	4 / 2	
reaction time	0.141	interval		5.40	5.60	6.11		# of strides	11.70 11.71 -0.01
wind	0.0 m/s	velocity	7.94	9.26	8.93	8.18	8.54	94.2	8.55 8.54
Han Qing (CHN) (1970)									
FINAL - 1990 Asian Games (Beijing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Feng (1992) - Beijing asian games women's 100m, 200m, 400m technical analysis									
date	02-Oct-90	time		11.95	17.59	23.42	23.42	/ 1	
reaction time		interval			5.64	5.83		# of strides	11.95 11.47 0.48
wind	-1.0 m/s	velocity		8.37	8.87	8.58	8.54	98.6	8.37 8.72
Dyer, Tonette (USA) (1982)									
Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
USATF Women's Sprint Development (2004)									
date	16-Jul-04	time	6.41	11.70	17.20	23.42	23.42	3 / 2	
reaction time		interval		5.29	5.50	6.22		# of strides	11.70 11.72 -0.02
wind	-0.6 m/s	velocity	7.80	9.45	9.09	8.04	8.54	97.5	8.55 8.53
Hall, Monique (USA) (1980)									
Heat 2 - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
USATF Women's Sprint Development (2004)									
date	16-Jul-04	time	6.44	11.79	17.29	23.42	23.42	5 / ~~3~~ 2	
reaction time		interval		5.35	5.50	6.13		# of strides	11.79 11.63 0.16
wind	-0.3 m/s	velocity	7.76	9.35	9.09	8.16	8.54	94.0	8.48 8.60
Baptiste, Kelly-Ann (TTO) (1986)									
FINAL - 2005 NCAA Championships (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Track Newsletter (2005) - NCAA women's championships									
date	11-Jun-05	time		12.0		23.4	23.42	1 / 8	
reaction time		interval				11.40		# of strides	12.00 11.40 0.60
wind	-0.7 m/s	velocity		8.33		8.77	8.54	98.2	8.33 8.77
Bejnar, Monika (POL) (1981)									
FINAL - 2007 European Cup (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Graubner (2007) - http://www.fgs.uni-halle.de									
date	24-Jun-07	time		11.77	17.33	23.42	23.42	/ 6	
reaction time	0.136	interval			5.56	6.09		# of strides	11.77 11.65 0.12
wind	-2.0 m/s	velocity		8.50	8.99	8.21	8.54		8.50 8.58
Obregón, Darlenis (COL) (1986)									
Heat 1 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	19-Aug-09	time	6.55	11.84	17.06	23.42	23.42	3 / 5	
reaction time	0.177	interval		5.29	5.22	6.36		# of strides	11.84 11.58 0.26
wind	0.3 m/s	velocity	7.63	9.45	9.58	7.86	8.54	99.0	8.45 8.64
Ográzeanu, Andreea (ROU) (1990)									
Heat 1 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	19-Aug-09	time	6.55	11.75	17.31	23.42	23.42	7 / 6	
reaction time	0.247	interval		5.20	5.56	6.11		# of strides	11.75 11.67 0.08
wind	0.3 m/s	velocity	7.63	9.62	8.99	8.18	8.54	94.0	8.51 8.57
Das, Hima (IND) (2000)									
Semi-Final 2 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
Longines Timing (2022) - commonwealth games race analysis									
date	05-Aug-22	time	6.5	11.9	17.4	23.42	23.42	7 / 3	
reaction time	0.157	interval		5.40	5.50	6.02		# of strides	11.90 11.52 0.38

wind	0.0 m/s	velocity	7.69	9.26	9.09	8.31	8.54	102.0	8.40	8.68	
Pointet, Léonie (SUI) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	04-Aug-24	time	6.43	11.76	17.33	23.42	23.42	2 / 6			
reaction time	0.152	interval		5.33	5.57	6.09		# of strides	11.76	11.66	0.10
wind	1.4 m/s	velocity	7.78	9.38	8.98	8.21	8.54	104.0	8.50	8.58	
Conde, Fatouma (GUI) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	17-Sep-25	time	6.51			23.42	23.42	7 / 8			
reaction time	0.148	interval				16.91	NR	# of strides			
wind	0.1 m/s	velocity	7.68			8.87	8.54	97.0			
Myrick, Wyllesheia (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	05-Jul-08	time	6.54	11.81	17.38	23.43	23.43	3 / 6			
reaction time		interval		5.27	5.57	6.05		# of strides	11.81	11.62	0.19
wind	0.0 m/s	velocity	7.65	9.49	8.98	8.26	8.54		8.47	8.61	
Hurtis-Houairi, Muriel (FRA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	13-Sep-08	time	6.57	11.75	17.34	23.43	23.43	8 / 8			
reaction time	0.148	interval		5.18	5.59	6.09		# of strides	11.75	11.68	0.07
wind	0.1 m/s	velocity	7.61	9.65	8.94	8.21	8.54		8.51	8.56	
Safronova, Olga (KAZ) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Asian Games (Jakarta, INA)			<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>								
date	29-Aug-18	time	6.48	11.74	17.21	23.43	23.43	5 / 5			
reaction time	0.144	interval		5.26	5.47	6.22		# of strides	11.74	11.69	0.05
wind	-0.7 m/s	velocity	7.72	9.51	9.14	8.04	8.54	96.7	8.52	8.55	
Burghardt, Alexandra (GER) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Athletissima (Lausanne, SUI)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	30-Jun-23	time	6.42	11.68	17.26	23.43	23.43	4 / 2			
reaction time	0.176	interval		5.26	5.58	6.17		# of strides	11.68	11.75	-0.07
wind	-0.4 m/s	velocity	7.79	9.51	8.96	8.10	8.54		8.56	8.51	
Nkansa, Delphine (BEL) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Memorial van Damme (Brussels, BEL)			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	08-Sep-23	time	6.44	11.74	17.42	23.43	23.43	2 / 7			
reaction time	0.154	interval		5.30	5.68	6.01		# of strides	11.74	11.69	0.05
wind	0.2 m/s	velocity	7.76	9.43	8.80	8.32	8.54	102.0	8.52	8.55	
Kotwila, Martyna (POL) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	04-Aug-24	time	6.64	12.02	17.54	23.43	23.43	6 / 6			
reaction time	0.159	interval		5.38	5.52	5.89		# of strides	12.02	11.41	0.61
wind	0.0 m/s	velocity	7.53	9.29	9.06	8.49	8.54	99.0	8.32	8.76	
Floyd, Ebonie (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2003 USATF National Championships (Palo Alto, CA)			<i>USATF Women's Sprint Development (2003)</i>								
date	22-Jun-03	time	6.61	12.01	17.58	23.44	23.44	1 / ~~8~~ 7			
reaction time		interval		5.40	5.57	5.86		# of strides	12.01	11.43	0.58
wind	0.0 m/s	velocity	7.56	9.26	8.98	8.53	8.53		8.33	8.75	
Carter, Antonette (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>								
date	16-Jul-04	time	6.41	11.80	17.37	23.44	23.44	8 / 3			
reaction time		interval		5.39	5.57	6.07		# of strides	11.80	11.64	0.16
wind	-0.6 m/s	velocity	7.80	9.28	8.98	8.24	8.53	97.0	8.47	8.59	
Hall, Monique (USA) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>								
date	17-Jul-04	time	6.51	11.76	17.32	23.44	23.44	3 / 3			
reaction time		interval		5.25	5.56	6.12		# of strides	11.76	11.68	0.08

wind	-1.2 m/s	velocity	7.68	9.52	8.99	8.17	8.53	94.5	8.50	8.56	
Moore, Connie (USA) (1981)			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	6.52	11.66	17.13	23.44	23.44	7 / 7			
reaction time		interval		5.14	5.47	6.31		# of strides	11.66	11.78	-0.12
wind	0.3 m/s	velocity	7.67	9.73	9.14	7.92	8.53		8.58	8.49	
Asumnu, Gloria (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 NCAA Championships (Sacramento, CA)			Track Newsletter (2005) - NCAA women's championships								
date	09-Jun-07	time		11.9		23.4	23.44	2 / 8			
reaction time		interval				11.50		# of strides	11.90	11.50	0.40
wind	1.7 m/s	velocity		8.40		8.70	8.53		8.40	8.70	
Lucas, Porscha (USA) (1988)			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	6.59	11.99	17.50	23.44	23.44	1 / 8			
reaction time		interval		5.40	5.51	5.94		# of strides	11.99	11.45	0.54
wind	-0.1 m/s	velocity	7.59	9.26	9.07	8.42	8.53		8.34	8.73	
Fukushima, Chisato (JPN) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Japanese National Championships (Kumagaya, JPN)			Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters								
date	12-Jun-11	time	6.30	11.56	17.24	23.44	23.44	/ 1			
reaction time		interval		5.26	5.68	6.20		# of strides	11.56	11.88	-0.32
wind	-0.7 m/s	velocity	7.94	9.51	8.80	8.06	8.53		8.65	8.42	
Russell, Carrie (JAM) (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		11.71	17.28	23.44	23.44	4 / 1			
reaction time		interval			5.57	6.16		# of strides	11.71	11.73	-0.02
wind	-0.1 m/s	velocity		8.54	8.98	8.12	8.53		8.54	8.53	
Kodama, Mei (JPN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 Japanese National Championships (Niigata, JPN)			Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020								
date	03-Oct-20	time	6.52	11.85	17.45	23.44	23.44	5 / 2			
reaction time	0.152	interval		5.33	5.60	5.99	PB	# of strides	11.85	11.59	0.26
wind	-0.1 m/s	velocity	7.67	9.38	8.93	8.35	8.53	98.5	8.44	8.63	
Horowska, Nikola (POL) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)			Omega Timing (2022) - diamond league race analysis								
date	06-Aug-22	time	6.51	11.82	17.40	23.44	23.44	1 / 9			
reaction time	0.142	interval		5.31	5.58	6.04		# of strides	11.82	11.62	0.20
wind	0.2 m/s	velocity	7.68	9.42	8.96	8.28	8.53	97.7	8.46	8.61	
Bass, Gina (GAM) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			Omega Timing (2023) - diamond league race analysis								
date	28-May-23	time	6.43	11.81	17.35	23.44	23.44	2 / 7			
reaction time	0.161	interval		5.38	5.54	6.09		# of strides	11.81	11.63	0.18
wind	0.8 m/s	velocity	7.78	9.29	9.03	8.21	8.53	103.2	8.47	8.60	
Azevedo, Ana Carolina (BRA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 1 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	05-Aug-24	time	6.45	11.73	17.34	23.44	23.44	2 / 6			
reaction time	0.168	interval		5.28	5.61	6.10		# of strides	11.73	11.71	0.02
wind	0.6 m/s	velocity	7.75	9.47	8.91	8.20	8.53	103.0	8.53	8.54	
Johnson-Thompson, Katarina (GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	08-Aug-24	time	6.48	11.78	17.40	23.44	23.44	5 / 1			
reaction time	0.186	interval		5.30	5.62	6.04		# of strides	11.78	11.66	0.12
wind	-0.5 m/s	velocity	7.72	9.43	8.90	8.28	8.53	90.5	8.49	8.58	
Danečková, Silvie (CZE) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 European Athletics U20 Championships (Tampere, FIN)			European Athletics (2025) - 2025 european athletics U20 champs - results book								
date	09-Aug-25	time	6.57	11.90	17.41	23.44	23.44	5 / 2			
reaction time	0.153	interval		5.33	5.51	6.03	PB	# of strides	11.90	11.54	0.36

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

wind	1.1 m/s	velocity	7.61	9.38	9.07	8.29	8.53		8.40	8.67	
Carter, Antonette (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>								
date	17-Jul-04	time	6.52	11.96	17.47	23.45	23.45	8 / 5.4			
reaction time		interval		5.44	5.51	5.98		# of strides	11.96	11.49	0.47
wind	0.5 m/s	velocity	7.67	9.19	9.07	8.36	8.53	97.5	8.36	8.70	
Roseby, Hasani (USA) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.33	11.72	17.26	23.45	23.45	8 / 4			
reaction time		interval		5.39	5.54	6.19		# of strides	11.72	11.73	-0.01
wind	0.5 m/s	velocity	7.90	9.28	9.03	8.08	8.53	99.2	8.53	8.53	
Gandulla, Arialis (CUB) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 IAAF World Junior Championships (Eugene, OR)			<i>Track Newsletter (2014) - World Junior championships women</i>								
date	25-Jul-14	time		11.9		23.5	23.45	5 / 6			
reaction time	0.261	interval				11.60		# of strides	11.90	11.60	0.30
wind	2.4 m/s	velocity		8.40		8.62	8.53		8.40	8.62	
Raffai, Estelle (FRA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>											
date	10-Aug-17	time		11.54	17.14	23.27	23.45	3 / 8			
reaction time	0.183	interval			5.60	6.13		# of strides	11.54	11.73	-0.19
wind	-0.2 m/s	velocity		8.67	8.93	8.16	8.53	95.5	8.67	8.53	
Ge Manqi (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time	5.95	11.69	17.22	23.45	23.45	5 / 1			
reaction time	0.180	interval		5.74	5.53	6.23		# of strides	11.69	11.76	-0.07
wind	0.4 m/s	velocity	8.40	8.71	9.04	8.03	8.53	104.0	8.55	8.50	
Kong Lingwei (CHN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time	6.10	11.97	17.58	23.45	23.45	4 / 2			
reaction time	0.256	interval		5.87	5.61	5.87		# of strides	11.97	11.48	0.49
wind	0.4 m/s	velocity	8.20	8.52	8.91	8.52	8.53	100.5	8.35	8.71	
Cai Yanting (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time	6.08	12.01	17.72	23.45	23.45	6 / 3			
reaction time	0.165	interval		5.93	5.71	5.73		# of strides	12.01	11.44	0.57
wind	0.4 m/s	velocity	8.22	8.43	8.76	8.73	8.53	97.5	8.33	8.74	
Azevedo, Ana Carolina (BRA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.85		23.45	23.45	6 / 6			
reaction time	0.176	interval				11.60		# of strides	11.85	11.60	0.25
wind	0.4 m/s	velocity		8.44		8.62	8.53	103.5	8.44	8.62	
Samuel, Jamile (NED) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 FBK Games (Hengelo, NED)			<i>Omega Timing (2023) - continental tour race analysis</i>								
date	04-Jun-23	time	6.56	11.94	17.50	23.45	23.45	2 / 7			
reaction time	0.155	interval		5.38	5.56	5.95		# of strides	11.94	11.51	0.43
wind	1.4 m/s	velocity	7.62	9.29	8.99	8.40	8.53	100.5	8.38	8.69	
Azevedo, Ana Carolina (BRA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.75		23.45	23.45	2 / 7			
reaction time	0.182	interval				11.70		# of strides	11.75	11.70	0.05
wind	-0.4 m/s	velocity		8.51		8.55	8.53	102.5	8.51	8.55	
Pereira, Shanti Veronica (SGP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 1 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	05-Aug-24	time	6.58	11.85	17.41	23.45	23.45	3 / 7			
reaction time	0.183	interval		5.27	5.56	6.04		# of strides	11.85	11.60	0.25

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DV=Drug Violation

wind	0.6 m/s	velocity	7.60	9.49	8.99	8.28	8.53	99.7	8.44	8.62	
Perry, Nanceen (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time		11.96	17.43	23.46	23.46	2 / 5			
reaction time		interval			5.47	6.03		# of strides	11.96	11.50	0.46
wind	0.5 m/s	velocity		8.36	9.14	8.29	8.53		8.36	8.70	
Saito, Ami (JPN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Japanese National Championships (Nagoya, JPN)			<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>								
date	26-Jun-16	time	6.49	11.75	17.33	23.46	23.46	/ 2			
reaction time		interval		5.26	5.58	6.13	NJR	# of strides	11.75	11.71	0.04
wind	1.8 m/s	velocity	7.70	9.51	8.96	8.16	8.53		8.51	8.54	
Wei Yongli (CHN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)			<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>								
date	03-Aug-19	time	6.49	11.70	17.31	23.46	23.46	3 / 2			
reaction time		interval		5.21	5.61	6.15		# of strides	11.70	11.76	-0.06
wind	0.2 m/s	velocity	7.70	9.60	8.91	8.13	8.53		8.55	8.50	
Kong Lingwei (CHN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	12-Jun-21	time		11.78	17.27	23.46	23.46	6 / 2			
reaction time	0.245	interval			5.49	6.19		# of strides	11.78	11.68	0.10
wind	-0.2 m/s	velocity		8.49	9.11	8.08	8.53	102.0	8.49	8.56	
Kodama, Mei (JPN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese National Championships (Osaka, JPN)			<i>Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season</i>								
date	27-Jun-21	time	6.51	11.87	17.43	23.46	23.46	6 / 1			
reaction time	0.183	interval		5.36	5.56	6.03		# of strides	11.87	11.59	0.28
wind	-1.0 m/s	velocity	7.68	9.33	8.99	8.29	8.53	100.0	8.42	8.63	
Nekhubui, Shirley (RSA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.84		23.46	23.46	7 / 7			
reaction time	0.186	interval				11.62		# of strides	11.84	11.62	0.22
wind	0.4 m/s	velocity		8.45		8.61	8.53	193.5	8.45	8.61	
Hulls, Georgia (NZL) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 6 - 2022 World Athletics Championships (Eugene, OR)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.74		23.46	23.46	6 / 6			
reaction time	0.136	interval				11.72		# of strides	11.74	11.72	0.02
wind	1.9 m/s	velocity		8.52		8.53	8.53	97.5	8.52	8.53	
Pereira, Shanti Veronica (SGP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 Commonwealth Games (Birmingham, GBR)			<i>Longines Timing (2022) - commonwealth games race analysis</i>								
date	05-Aug-22	time	6.4	11.9	17.5	23.46	23.46	2 / 5			
reaction time	0.182	interval		5.50	5.60	5.96	=NR =PB	# of strides	11.90	11.56	0.34
wind	1.9 m/s	velocity	7.81	9.09	8.93	8.39	8.53	97.0	8.40	8.65	
Jefferson, Melissa (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Kingston (Kingston, JAM)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	06-Apr-25	time	6.36	11.54	17.27	23.46	23.46	6 / 1			
reaction time	0.200	interval		5.18	5.73	6.19		# of strides	11.54	11.92	-0.38
wind	-4.7 m/s	velocity	7.86	9.65	8.73	8.08	8.53	93.0	8.67	8.39	
Jones, Esther (USA) (1969)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time		12.00	17.43	23.47	23.47	1 / 8			
reaction time		interval			5.43	6.04		# of strides	12.00	11.47	0.53
wind	-0.5 m/s	velocity		8.33	9.21	8.28	8.52		8.33	8.72	
Sheehy, Ciara (IRL) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	09-Aug-02	time	6.58	11.86	17.44	23.47	23.47	/ 5			
reaction time	0.163	interval		5.28	5.58	6.03		# of strides	11.86	11.61	0.25

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wind	1.0 m/s	velocity	7.60	9.47	8.96	8.29	8.52		8.43	8.61	
Layne, Lynne (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.37	11.66	17.30	23.47	23.47	3 / 5			
reaction time		interval		5.29	5.64	6.17		# of strides	11.66	11.81	-0.15
wind	0.5 m/s	velocity	7.85	9.45	8.87	8.10	8.52	99.5	8.58	8.47	
Williams, Charonda (USA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)			<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
date	21-May-17	time	6.41	11.60	17.19	23.47	23.47	7 / 4			
reaction time	0.156	interval		5.19	5.59	6.28		# of strides	11.60	11.87	-0.27
wind	0.6 m/s	velocity	7.80	9.63	8.94	7.96	8.52	97.7	8.62	8.42	
Huang Guifen (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time		11.95	17.51	23.47	23.47	6 / 2			
reaction time	0.193	interval			5.56	5.96		# of strides	11.95	11.52	0.43
wind	-0.2 m/s	velocity		8.37	8.99	8.39	8.52	95.5	8.37	8.68	
Sulyán, Alexa (HUN) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.87		23.47	23.47	7 / 6			
reaction time	0.163	interval				11.60		# of strides	11.87	11.60	0.27
wind	-0.4 m/s	velocity		8.42		8.62	8.52	99.2	8.42	8.62	
Mashova, Ekaterina (BUL) (1974)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	09-Aug-02	time	6.53	11.87	17.49	23.48	23.48	/ 6			
reaction time	0.141	interval		5.34	5.62	5.99		# of strides	11.87	11.61	0.26
wind	1.0 m/s	velocity	7.66	9.36	8.90	8.35	8.52		8.42	8.61	
Duncan, Dominique (USA) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 NCAA Championships (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	12-Jun-10	time		12.0		23.5	23.48	/ 5			
reaction time		interval				11.50		# of strides	12.00	11.50	0.50
wind	1.2 m/s	velocity		8.33		8.70	8.52		8.33	8.70	
Whyte, Natalliah (JAM) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2014 IAAF World Junior Championships (Eugene, OR)			<i>Track Newsletter (2014) - World Junior championships women</i>								
date	25-Jul-14	time		11.8		23.5	23.48	1 / 7			
reaction time	0.210	interval				11.70		# of strides	11.80	11.70	0.10
wind	2.4 m/s	velocity		8.47		8.55	8.52		8.47	8.55	
Liang Xiaojing (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time		11.84	17.42	23.48	23.48	4 / 3			
reaction time	0.174	interval			5.58	6.06		# of strides	11.84	11.64	0.20
wind	-0.2 m/s	velocity		8.45	8.96	8.25	8.52	104.0	8.45	8.59	
Hjelmer, Moa (SWE) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Bauhaus Galan (Stockholm, SWE)			<i>Omega Timing (2021) - diamond league race analysis</i>								
date	04-Jul-21	time	6.7	12.0	17.6	23.48	23.48	2 / 8			
reaction time	0.164	interval		5.30	5.60	5.88		# of strides	12.00	11.48	0.52
wind	-0.4 m/s	velocity	7.46	9.43	8.93	8.50	8.52	98.0	8.33	8.71	
Johnson-Thompson, Katarina (GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	19-Aug-23	time		12.02		23.48	23.48	6 / 1			
reaction time	0.184	interval				11.46		# of strides	12.02	11.46	0.56
wind	0.0 m/s	velocity		8.32		8.73	8.52	89.5	8.32	8.73	
Pulkkinen, Aino (FIN) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.91		23.48	23.48	4 / 8			
reaction time	0.146	interval				11.57		# of strides	11.91	11.57	0.34

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wind	-0.4 m/s	velocity	8.40	8.64	8.52	97.0	8.40	8.64	
Mayo, Treshell (USA) (1974)									
Semi-Final 2	- 1996 USA Olympic Trials (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	22-Jun-96	time	11.89	17.46	23.49	23.49	1 / 6		USATF Women's Sprint Development (1996)
reaction time		interval		5.57	6.03		# of strides	11.89	11.60 0.29
wind	0.5 m/s	velocity	8.41	8.98	8.29	8.51		8.41	8.62
Thomas, Tamara (JAM) (1983)									
FINAL	- 2006 NCAA Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	10-Jun-06	time	12.1		23.5	23.49	1 / 9		Track Newsletter (2005) - NCAA women's championships
reaction time		interval			11.40		# of strides	12.10	11.40 0.70
wind	0.8 m/s	velocity	8.26		8.77	8.51	95.5	8.26	8.77
Hastings, Natasha (USA) (1986)									
Heat 3	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Jul-08	time	6.67	11.91	17.50	23.49	23.49	7 / 6	USATF Women's Sprint Development with HPC (2008)
reaction time		interval		5.24	5.59	5.99	# of strides	11.91	11.58 0.33
wind	0.5 m/s	velocity	7.50	9.54	8.94	8.35	8.51	97.2	8.40 8.64
Floyd, Ebonie (USA) (1983)									
Heat 4	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Jul-08	time	6.60	11.91	17.40	23.49	23.49	7 / 2	USATF Women's Sprint Development with HPC (2008)
reaction time		interval		5.31	5.49	6.09	# of strides	11.91	11.58 0.33
wind	1.2 m/s	velocity	7.58	9.42	9.11	8.21	8.51	8.40	8.64
Pointet, Léonie (SUI) (2001)									
FINAL	- 2021 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	26-Aug-21	time	6.5	11.9	17.5	23.49	23.49	2 / 6	Omega Timing (2021) - diamond league race analysis
reaction time	0.137	interval		5.40	5.60	5.99	# of strides	11.90	11.59 0.31
wind	2.5 m/s	velocity	7.69	9.26	8.93	8.35	8.51	104.5	8.40 8.63
Niederberfer, Julia (SUI) (2000)									
FINAL	- 2022 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	26-Aug-22	time	6.5	11.8	17.3	23.49	23.49	6 / 2	Omega Timing (2022) - diamond league race analysis
reaction time	0.148	interval		5.30	5.50	6.19	# of strides	11.80	11.69 0.11
wind	-0.9 m/s	velocity	7.69	9.43	9.09	8.08	8.51	8.47	8.55
Huang Guifen (CHN) (1997)									
Heat 1	- 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	28-Jun-23	time		11.78	17.39	23.49	23.49	6 / 1	Shandong Athletics Sport Science (2023)
reaction time	0.161	interval			5.61	6.10	# of strides	11.78	11.71 0.07
wind	0.2 m/s	velocity		8.49	8.91	8.20	8.51	96.0	8.49 8.54
Tsuruta, Remi (JPN) (1997)									
FINAL	- 2023 Japanese National Championships (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Aug-23	time	6.50	11.81	17.42	23.49	23.49	2 / 2	Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC
reaction time	0.170	interval		5.31	5.61	6.07	# of strides	11.81	11.68 0.13
wind	-0.2 m/s	velocity	7.69	9.42	8.91	8.24	8.51	98.0	8.47 8.56
Tsuruta, Remi (JPN) (1997)									
Heat 6	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	23-Aug-23	time	6.43	11.76	17.36	23.49	23.49	5 / 6	Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC
reaction time	0.157	interval		5.33	5.60	6.13	# of strides	11.76	11.73 0.03
wind	-0.3 m/s	velocity	7.78	9.38	8.93	8.16	8.51	99.0	8.50 8.53
Kaddari, Dalia (ITA) (2001)									
Heat 2	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Aug-24	time	6.49	11.67	17.29	23.49	23.49	7 / 6	Paris 2024 Olympic Games - Results Book (2024)
reaction time	0.145	interval		5.18	5.62	6.20	# of strides	11.67	11.82 -0.15
wind	0.0 m/s	velocity	7.70	9.65	8.90	8.06	8.51	97.0	8.57 8.46
Bongiorni, Anna (ITA) (1993)									
Heat 3	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
date	04-Aug-24	time	6.49	11.75	17.29	23.49	23.49	8 / 7	Paris 2024 Olympic Games - Results Book (2024)
reaction time	0.159	interval		5.26	5.54	6.20	# of strides	11.75	11.74 0.01

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wind	0.0 m/s	velocity	7.70	9.51	9.03	8.06	8.51	101.7	8.51	8.52	
Tamayo-Garza, Cecilia (MEX) (1997)											
Repechage 3 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	6.43	11.61	17.18	23.49	23.49	6 / 5			
reaction time	0.154	interval		5.18	5.57	6.31		# of strides	11.61	11.88	-0.27
wind	-0.4 m/s	velocity	7.78	9.65	8.98	7.92	8.51	98.7	8.61	8.42	
Terry, Twanisha (USA) (1999)											
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2025) - diamond league race analysis</i>											
date	03-May-25	time	6.39	11.63	17.26	23.49	23.49	9 / 8			
reaction time	0.161	interval		5.24	5.63	6.23		# of strides	11.63	11.86	-0.23
wind	0.5 m/s	velocity	7.82	9.54	8.88	8.03	8.51	103.0	8.60	8.43	
Tallon, Lucy (GBR) (2006)											
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.69	12.00	17.51	23.49	23.49	7 / 2			
reaction time	0.135	interval		5.31	5.51	5.98		# of strides	12.00	11.49	0.51
wind	-2.0 m/s	velocity	7.47	9.42	9.07	8.36	8.51	103.0	8.33	8.70	
Táborská, Terezie (CZE) (2006)											
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.54	11.77	17.35	23.49	23.49	4 / 3			
reaction time	0.165	interval		5.23	5.58	6.14		# of strides	11.77	11.72	0.05
wind	-2.0 m/s	velocity	7.65	9.56	8.96	8.14	8.51	97.0	8.50	8.53	
Dia Longo, Fabé (FRA) (1977)											
Semi-Final 2 - 2002 European Championships (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.67	11.92	17.50	23.50	23.50	/ 8			
reaction time	0.156	interval		5.25	5.58	6.00		# of strides	11.92	11.58	0.34
wind	0.0 m/s	velocity	7.50	9.52	8.96	8.33	8.51		8.39	8.64	
Dyer, Tonette (USA) (1982)											
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.36	11.64	17.27	23.50	23.50	6 / 4			
reaction time		interval		5.28	5.63	6.23		# of strides	11.64	11.86	-0.22
wind	-1.2 m/s	velocity	7.86	9.47	8.88	8.03	8.51	99.0	8.59	8.43	
Young, Jessica (USA) (1987)											
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2006)</i>											
date	23-Jun-06	time	6.64	12.01	17.60	23.50	23.50	2 / 6			
reaction time		interval		5.37	5.59	5.90	PB	# of strides	12.01	11.49	0.52
wind	0.9 m/s	velocity	7.53	9.31	8.94	8.47	8.51		8.33	8.70	
Durst, Stephanie (USA) (1982)											
FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	22-Sep-07	time	6.41	11.59	17.21	23.50	23.50	6 / 7			
reaction time		interval		5.18	5.62	6.29		# of strides	11.59	11.91	-0.32
wind	0.5 m/s	velocity	7.80	9.65	8.90	7.95	8.51		8.63	8.40	
Cox, Shana (USA) (1985)											
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.70	12.02	17.55	23.50	23.50	5 / 5			
reaction time		interval		5.32	5.53	5.95		# of strides	12.02	11.48	0.54
wind	2.0 m/s	velocity	7.46	9.40	9.04	8.40	8.51		8.32	8.71	
Lückenkemper, Gina (GER) (1996)											
FINAL - 2014 IAAF World Junior Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Track Newsletter (2014) - World Junior championships women</i>											
date	25-Jul-14	time		12.2		23.5	23.50	2 / 8			
reaction time	0.311	interval				11.30		# of strides	12.20	11.30	0.90
wind	2.4 m/s	velocity		8.20		8.85	8.51		8.20	8.85	
Huang Guifen (CHN) (1997)											
Heat 4 - 2021 Chinese National Championships (Chongqing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>CAA Hurdle Development (2021)</i>											
date	27-Jun-21	time	6.16	12.08	17.63	23.50	23.50	4 / 2			
reaction time	0.235	interval		5.92	5.55	5.87		# of strides	12.08	11.42	0.66

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wind	0.5 m/s	velocity	8.12	8.45	9.01	8.52	8.51	95.2	8.28	8.76	
Safronova, Olga (KAZ) (1991)			50m	100m	150m	200m	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		11.58		23.50	23.50	7 / 7			
reaction time	0.108	interval				11.92		# of strides	11.58	11.92	-0.34
wind	2.5 m/s	velocity		8.64		8.39	8.51	96.7	8.64	8.39	
Kotwila, Martyna (POL) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Repechage 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	05-Aug-24	time	6.62	12.02	17.59	23.50	23.50	5 / 4			
reaction time	0.138	interval		5.40	5.57	5.91		# of strides	12.02	11.48	0.54
wind	0.6 m/s	velocity	7.55	9.26	8.98	8.46	8.51	99.5	8.32	8.71	
Terry, Twanisha (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2025) - diamond league race analysis								
date	26-Apr-25	time	6.44	11.69	17.28	23.50	23.50	9 / 8			
reaction time	0.178	interval		5.25	5.59	6.22		# of strides	11.69	11.81	-0.12
wind	0.4 m/s	velocity	7.76	9.52	8.94	8.04	8.51	102.0	8.55	8.47	
Lewis, Torrie (AUS) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Bauhaus Galan (Stockholm, SWE)			Grand Slam Track (2025) - results and splits by race								
date	15-Jun-25	time	6.41	11.78	17.33	23.50	23.50	5 / 8			
reaction time	0.146	interval		5.37	5.55	6.17		# of strides	11.78	11.72	0.06
wind	2.2 m/s	velocity	7.80	9.31	9.01	8.10	8.51		8.49	8.53	
Suarez, Gabriela Anahi (ECU) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.61		23.50	23.50	2 / 8			
reaction time	0.155	interval				11.89		# of strides	11.61	11.89	-0.28
wind	0.0 m/s	velocity		8.61		8.41	8.51	102.0	8.61	8.41	
Hall, Anna (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	19-Sep-25	time		11.89		23.50	23.50	7 / 2			
reaction time	0.210	interval				11.61		# of strides	11.89	11.61	0.28
wind	0.4 m/s	velocity		8.41		8.61	8.51	90.2	8.41	8.61	
Knott, Kristina (PHI) (1995)			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	6.50	11.75	17.37	23.51	23.51	2 / 6			
reaction time	0.125	interval		5.25	5.62	6.14		# of strides	11.75	11.76	-0.01
wind	-0.7 m/s	velocity	7.69	9.52	8.90	8.14	8.51	96.5	8.51	8.50	
Kong Lingwei (CHN) (1995)			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	6.48	11.72	17.28	23.51	23.51	8 / 7			
reaction time	0.122	interval		5.24	5.56	6.23		# of strides	11.72	11.79	-0.07
wind	-0.7 m/s	velocity	7.72	9.54	8.99	8.03	8.51	100.0	8.53	8.48	
Kortetmaa, Annlina (FIN) (1995)			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		11.78		23.51	23.51	7 / 7			
reaction time	0.140	interval				11.73		# of strides	11.78	11.73	0.05
wind	-0.2 m/s	velocity		8.49		8.53	8.51	100.0	8.49	8.53	
Caicedo, Nicole (ECU) (2000)			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		11.98		23.51	23.51	2 / 7			
reaction time	0.232	interval				11.53		# of strides	11.98	11.53	0.45
wind	-0.4 m/s	velocity		8.35		8.67	8.51	96.5	8.35	8.67	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2025) - diamond league race analysis								
date	26-Apr-25	time	6.36	11.64	17.32	23.51	23.51	5 / 9			
reaction time	0.114	interval		5.28	5.68	6.19		# of strides	11.64	11.87	-0.23

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

wind	0.4 m/s	velocity	7.86	9.47	8.80	8.08	8.51	101.0	8.59	8.42	
Hlésdóttir, Eir (ISL) (2007)											
Semi-Final 1	- 2025 European Athletics U20 Championships (Tampere, FIN)		<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>								
date	09-Aug-25	time	6.71	12.05	17.58	23.51	23.51	8 / 3			
reaction time	0.134	interval		5.34	5.53	5.93		# of strides	12.05	11.46	0.59
wind	1.1 m/s	velocity	7.45	9.36	9.04	8.43	8.51		8.30	8.73	
Johnson-Thompson, Katarina (GBR)											
Heptathlon - Heat 3	- 2025 World Athletics Championships (Tokyo, JPN)		<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	19-Sep-25	time		11.73		23.51	23.51	9 / 3			
reaction time	0.173	interval				11.78		# of strides	11.73	11.78	-0.05
wind	0.4 m/s	velocity		8.53		8.49	8.51	90.5	8.53	8.49	
Perry, Nanceen (USA) (1977)											
FINAL	- 1996 USATF National Junior Championships (Delaware, OH)		<i>USATF Women's Sprint Development (1996)</i>								
date	29-Jun-96	time	6.65	11.96	17.50	23.52	23.52	4 / 1			
reaction time		interval		5.31	5.54	6.02		# of strides	11.96	11.56	0.40
wind	-1.3 m/s	velocity	7.52	9.42	9.03	8.31	8.50		8.36	8.65	
Fukushima, Chisato (JPN) (1988)											
Semi-Final 1	- 2011 IAAF World Championships (Daegu, KOR)		<i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>								
date	01-Sep-11	time	6.46	11.80	17.51	23.52	23.52	1 / 8			
reaction time	0.134	interval		5.34	5.71	6.01		# of strides	11.80	11.72	0.08
wind	-0.7 m/s	velocity	7.74	9.36	8.76	8.32	8.50	104.0	8.47	8.53	
Kortetmaa, Annlina (FIN) (1995)											
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.82		23.52	23.52	4 / 7			
reaction time	0.154	interval				11.70		# of strides	11.82	11.70	0.12
wind	-0.7 m/s	velocity		8.46		8.55	8.50	98.5	8.46	8.55	
Nazareno, Aimará (ECU) (2001)											
Heat 4	- 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	04-Aug-24	time	6.47	11.84	17.44	23.52	23.52	4 / 7			
reaction time	0.196	interval		5.37	5.60	6.08		# of strides	11.84	11.68	0.16
wind	0.0 m/s	velocity	7.73	9.31	8.93	8.22	8.50	97.2	8.45	8.56	
Táborská, Terezie (CZE) (2006)											
Semi-Final 2	- 2025 European Athletics U20 Championships (Tampere, FIN)		<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>								
date	09-Aug-25	time	6.54	11.83	17.38	23.52	23.52	7 / 2			
reaction time	0.164	interval		5.29	5.55	6.14		# of strides	11.83	11.69	0.14
wind	-0.4 m/s	velocity	7.65	9.45	9.01	8.14	8.50		8.45	8.55	
Rosolová, Denisa (CZE) (1986)											
FINAL	- 2012 Great CityGames (Manchester, GBR) (200m straightaway)		<i>Jalava (2012) - www.tilastopaja.org</i>								
date	20-May-12	time		11.84		23.53	23.53	2 / 2			
reaction time		interval				11.69		# of strides	11.84	11.69	0.15
wind	-0.3 m/s	velocity		8.45		4.25	8.50		8.45	8.55	
Hill, Deanna (USA) (1996)											
FINAL	- 2018 NCAA Championships (Eugene, OR)		<i>Track Newsletter (2018) - NCAA women's championships</i>								
date	09-Jun-18	time		11.9		23.5	23.53	1 / 7			
reaction time		interval				11.60		# of strides	11.90	11.60	0.30
wind	-2.3 m/s	velocity		8.40		8.62	8.50		8.40	8.62	
Safronova, Olga (KAZ) (1991)											
FINAL	- 2019 Athletissima (Lausanne, SUI)		<i>Omega Timing (2019) - diamond league race analysis</i>								
date	05-Jul-19	time	6.5	11.8	17.3	23.53	23.53	5 / 7			
reaction time	0.143	interval		5.3	5.5	6.23		# of strides	11.80	11.73	0.07
wind	1.0 m/s	velocity	7.69	9.43	9.09	8.03	8.50	96.5	8.47	8.53	
Huang Guifen (CHN) (1997)											
FINAL	- 2020 Chinese Olympic Trials (Shaoxing, CHN)		<i>CAA Hurdle Development (2021)</i>								
date	13-Jun-21	time		11.91		23.53	23.53	5 / 1			
reaction time	0.202	interval				11.62		# of strides	11.91	11.62	0.29

wind	0.2 m/s	velocity	8.40	8.61	8.50	97.0	8.40	8.61			
Pereira, Shanti Veronica (SGP) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
Heat 3 - 2022 World Athletics Championships (Eugene, OR)					<i>Timing by Seiko (2022) - world athletics championships race analysis</i>						
date	18-Jul-22	time	12.00	23.53	23.53	2 / 6					
reaction time	0.192	interval		11.53		# of strides	12.00	11.53	0.47		
wind	1.1 m/s	velocity	8.33	8.67	8.50	98.0	8.33	8.67			
Atcho, Sarah (SUI) (1995) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 2023 Athletissima (Lausanne, SUI)					<i>Omega Timing (2023) - diamond league race analysis</i>						
date	30-Jun-23	time	6.43	11.72	17.36	23.53	23.53	6 / 3			
reaction time	0.129	interval	5.29	5.64	6.17		# of strides	11.72	11.81	-0.09	
wind	-0.4 m/s	velocity	7.78	9.45	8.10	8.50		8.53	8.47		
Williams, Sa'de (USA) (1989) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)					<i>USATF Women's Sprint Development (2006)</i>						
date	23-Jun-06	time	6.64	11.99	17.58	23.54	23.54	8 / 7			
reaction time		interval	5.35	5.59	5.96		# of strides	11.99	11.55	0.44	
wind	0.9 m/s	velocity	7.53	9.35	8.39	8.50		8.34	8.66		
Wilson, Latonia (USA) (1984) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)					<i>USATF Women's Sprint Development with HPC (2008)</i>						
date	05-Jul-08	time	6.56	11.92	17.43	23.54	23.54	4 / 5			
reaction time		interval	5.36	5.51	6.11		# of strides	11.92	11.62	0.30	
wind	1.3 m/s	velocity	7.62	9.33	9.07	8.18	8.50		8.39	8.61	
Fukushima, Chisato (JPN) (1988) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 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	6.34	11.73	17.36	23.54	23.54	4 / 1			
reaction time		interval	5.39	5.63	6.18		# of strides	11.73	11.81	-0.08	
wind	1.7 m/s	velocity	7.89	9.28	8.88	8.09	8.50	99.5	8.53	8.47	
Hackett, Semoy (TTO) (1988) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
Semi-Final 3 - 2017 IAAF World Championships (London, GBR)					<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>						
date	10-Aug-17	time	11.53	17.15	23.39	23.54	23.54	2 / 7			
reaction time	0.148	interval		5.62	6.24		# of strides	11.53	11.86	-0.33	
wind	-0.2 m/s	velocity	8.67	8.90	8.01	8.50		98.0	8.67	8.43	
Huang Guifen (CHN) (1997) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)					<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>						
date	03-Aug-19	time	6.58	11.84	17.47	23.54	23.54	5 / 3			
reaction time		interval	5.26	5.63	6.07		# of strides	11.84	11.70	0.14	
wind	0.2 m/s	velocity	7.60	9.51	8.88	8.24	8.50		8.45	8.55	
Suarez, Gabriela Anahi (ECU) (2001) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
Repechage 2 - 2024 Olympic Games (Paris, FRA)					<i>Paris 2024 Olympic Games - Results Book (2024)</i>						
date	05-Aug-24	time	6.32	11.56	17.18	23.54	23.54	7 / 5			
reaction time	0.159	interval	5.24	5.62	6.36		# of strides	11.56	11.98	-0.42	
wind	0.6 m/s	velocity	7.91	9.54	8.90	7.86	8.50	102.2	8.65	8.35	
Hastings, Natasha (USA) (1986) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)					<i>USATF Women's Sprint Development with HPC (2008)</i>						
date	05-Jul-08	time	6.52	11.79	17.53	23.55	23.55	3 / 5			
reaction time		interval	5.27	5.74	6.02		# of strides	11.79	11.76	0.03	
wind	1.6 m/s	velocity	7.67	9.49	8.71	8.31	8.49		8.48	8.50	
Lewis, Mechelle (USA) (1980) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)					<i>USATF Women's Sprint Development with HPC (2008)</i>						
date	05-Jul-08	time	6.27	11.76	17.22	23.55	23.55	8 / 4			
reaction time		interval	5.49	5.46	6.33		# of strides	11.76	11.79	-0.03	
wind	-1.3 m/s	velocity	7.97	9.11	9.16	7.90	8.49		8.50	8.48	
Junk, Sophia (GER) (1999) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)					<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>						
date	14-Jul-18	time	6.67	12.07	17.59	23.55	23.55	1 / 5			
reaction time	0.177	interval	5.40	5.52	5.96		# of strides	12.07	11.48	0.59	

wind	-0.1 m/s	velocity	7.50	9.26	9.06	8.39	8.49		8.29	8.71	
Schwab, Corinna (GER) (1999)											
FINAL	- 2018 IAAF World Junior Championships (Tampere, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>										
date	14-Jul-18	time	6.63	11.92	17.47	23.55	23.55	7 / ~~7~~ 6			
reaction time	0.207	interval		5.29	5.55	6.08	=PB	# of strides	11.92	11.63	0.29
wind	-0.1 m/s	velocity	7.54	9.45	9.01	8.22	8.49		8.39	8.60	
Slettum, Elisabeth (NOR) (1986)											
Heat 3	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	18-Jul-22	time		11.95		23.55	23.55	7 / 7			
reaction time	0.158	interval				11.60		# of strides	11.95	11.60	0.35
wind	1.1 m/s	velocity		8.37		8.62	8.49	93.0	8.37	8.62	
Henriksson, Julia (SWE) (2000)											
Heat 4	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		11.91		23.55	23.55	6 / 6			
reaction time	0.138	interval				11.64		# of strides	11.91	11.64	0.27
wind	-0.4 m/s	velocity		8.40		8.59	8.49	97.0	8.40	8.59	
Williams, Aleah (USA) (1981)											
Heat 2	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development (2004)</i>										
date	16-Jul-04	time	6.37	11.66	17.24	23.56	23.56	8 / ~~4~~ 3			
reaction time		interval		5.29	5.58	6.32		# of strides	11.66	11.90	-0.24
wind	-0.3 m/s	velocity	7.85	9.45	8.96	7.91	8.49	98.0	8.58	8.40	
Wilson, Latonia (USA) (1984)											
Heat 4	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	04-Jul-08	time	6.57	11.97	17.45	23.56	23.56	9 / 3			
reaction time		interval		5.40	5.48	6.11		# of strides	11.97	11.59	0.38
wind	1.2 m/s	velocity	7.61	9.26	9.12	8.18	8.49		8.35	8.63	
Adeoye, Margaret (GBR) (1985)											
FINAL	- 2012 Great CityGames (Manchester, GBR) (200m straightaway)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Jalava (2012) - www.tilastopaja.org</i>										
date	20-May-12	time		11.64		23.56	23.56	1 / 3			
reaction time		interval				11.92		# of strides	11.64	11.92	-0.28
wind	-0.3 m/s	velocity		8.59		4.24	8.49		8.59	8.39	
Graversgaard, Mette (DEN) (1995)											
FINAL	- 2023 Athletissima (Lausanne, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>										
date	30-Jun-23	time	6.42	11.74	17.40	23.56	23.56	3 / 4			
reaction time	0.153	interval		5.32	5.66	6.16		# of strides	11.74	11.82	-0.08
wind	-0.4 m/s	velocity	7.79	9.40	8.83	8.12	8.49		8.52	8.46	
Hall, Anna (USA) (2001)											
Heptathlon - Heat 3	- 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	19-Aug-23	time		12.11		23.56	23.56	8 / 2			
reaction time	0.208	interval				11.45		# of strides	12.11	11.45	0.66
wind	0.0 m/s	velocity		8.26		8.73	8.49	90.7	8.26	8.73	
Rosius, Rani (BEL) (2000)											
Invitational	- 2024 Memorial van damme (Brussels, BEL)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2024) - diamond league race analysis</i>										
date	14-Sep-24	time	6.50	11.82	17.41	23.56	23.56	4 / 7			
reaction time	0.175	interval		5.32	5.59	6.15		# of strides	11.82	11.74	0.08
wind	0.1 m/s	velocity	7.69	9.40	8.94	8.13	8.49	98.7	8.46	8.52	
Prandini, Jenna (USA) (1992)											
Short Sprints	- 2025 Grand Slam Track Kingston (Kingston, JAM)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Grand Slam Track (2025) - results and splits by race</i>										
date	06-Apr-25	time	6.34	11.44	17.25	23.56	23.56	7 / 2			
reaction time	0.190	interval		5.10	5.81	6.31		# of strides	11.44	12.12	-0.68
wind	-4.7 m/s	velocity	7.89	9.80	8.61	7.92	8.49	98.7	8.74	8.25	
Knight, Natalie (USA) (1986)											
Quarter-Final 4	- 2008 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.54	12.06	17.52	23.57	23.57	4 / 5			
reaction time		interval		5.52	5.46	6.05		# of strides	12.06	11.51	0.55

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DV=Drug Violation

wind	-1.3 m/s	velocity	7.65	9.06	9.16	8.26	8.49		8.29	8.69	
Hjelmer, Moa (SWE) (1990)											
A FINAL	- 2015 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-Jul-15	time		12.10		23.57	23.57	3 / 1			
reaction time		interval				11.47		# of strides	12.10	11.47	0.63
wind	0.8 m/s	velocity		8.26		8.72	8.49		8.26	8.72	
Atcho, Sarah (SUI) (1995)											
FINAL	- 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	21-May-16	time		11.80	17.43	23.57	23.57	/ 1			
reaction time		interval			5.63	6.14		# of strides	11.80	11.77	0.03
wind	0.6m/s	velocity		8.47	8.88	8.14	8.49		8.47	8.50	
Henriksson, Julia (SWE) (2000)											
FINAL	- 2022 Bauhaus Galan (Stockholm, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	30-Jun-22	time	6.52	11.83	17.41	23.57	23.57	8 / 7			
reaction time	0.186	interval		5.31	5.58	6.16		# of strides	11.83	11.74	0.09
wind	0.1 m/s	velocity	7.67	9.42	8.96	8.12	8.49	99.0	8.45	8.52	
Kuboyama, Haruna (JPN) (1996)											
FINAL	- 2023 Japanese National Championships (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	04-Aug-23	time	6.43	11.76	17.41	23.57	23.57	5 / 3			
reaction time	0.175	interval		5.33	5.65	6.16	PB	# of strides	11.76	11.81	-0.05
wind	-0.2 m/s	velocity	7.78	9.38	8.85	8.12	8.49	104.2	8.50	8.47	
de Angeli, Virna (ITA) (1976)											
FINAL	- 1997 European Cup (Munich, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	22-Jun-97	time	6.68	12.04	17.55	23.58	23.58	/ 5			
reaction time		interval		5.36	5.51	6.03		# of strides	12.04	11.54	0.50
wind	-0.2 m/s	velocity	7.49	9.33	9.07	8.29	8.48		8.31	8.67	
Ivery, Lakadron (USA) (1983)											
Heat 1	- 2004 USA Olympic Trials (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	16-Jul-04	time	6.37	11.68	17.25	23.58	23.58	7 / 4			
reaction time		interval		5.31	5.57	6.33		# of strides	11.68	11.90	-0.22
wind	-0.6 m/s	velocity	7.85	9.42	8.98	7.90	8.48	95.0	8.56	8.40	
Henry, Samantha (JAM) (1988)											
FINAL	- 2007 NCAA Championships (Sacramento, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	09-Jun-07	time		12.0		23.6	23.58	/ 9			
reaction time		interval				11.60		# of strides	12.00	11.60	0.40
wind	1.7 m/s	velocity		8.33		8.62	8.48		8.33	8.62	
Mitchell, A'Keyla (USA) (1995)											
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Sep-19	time		11.74		23.58	23.58	9 / 7			
reaction time	0.192	interval				11.84		# of strides	11.74	11.84	-0.10
wind	-0.1 m/s	velocity		8.52		8.45	8.48	98.0	8.52	8.45	
Kong Lingwei (CHN) (1995)											
FINAL	- 2020 Chinese Olympic Trials (Shaoxing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	13-Jun-21	time		11.89		23.58	23.58	3 / 2			
reaction time	0.211	interval				11.69		# of strides	11.89	11.69	0.20
wind	0.2 m/s	velocity		8.41		8.55	8.48	102.0	8.41	8.55	
Prieto, Mauricia (TTO) (1995)											
Semi-Final 3	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Aug-22	time	6.5	11.9	17.5	23.58	23.58	2 / 4			
reaction time	0.162	interval		5.40	5.60	6.08		# of strides	11.90	11.68	0.22
wind	1.5 m/s	velocity	7.69	9.26	8.93	8.22	8.48	98.5	8.40	8.56	
Sevilla, Paula (ESP) (1997)											
FINAL	- 2023 Meeting International Mohammed VI d'Atlétisme (Rabat, MAR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-23	time	6.58	11.99	17.56	23.58	23.58	1 / 8			
reaction time	0.145	interval		5.41	5.57	6.02		# of strides	11.99	11.59	0.40

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DV=Drug Violation

wind	0.8 m/s	velocity	7.60	9.24	8.98	8.31	8.48		8.34	8.63	
Pointet, Léonie (SUI) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Athletissima (Lausanne, SUI)			Omega Timing (2023) - diamond league race analysis								
date	30-Jun-23	time	6.44	11.78	17.44	23.58	23.58	8 / 5			
reaction time	0.156	interval		5.34	5.66	6.14		# of strides	11.78	11.80	-0.02
wind	-0.4 m/s	velocity	7.76	9.36	8.83	8.14	8.48		8.49	8.47	
Zhang Zhu (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			Shandong Athletics Sport Science (2024)								
date	30-Jun-24	time		12.13	17.70	23.58	23.58	7 / 2			
reaction time	0.157	interval			5.57	5.88	PB	# of strides	12.13	11.45	0.68
wind	0.3 m/s	velocity		8.24	8.98	8.50	8.48	102.0	8.24	8.73	
Gerevini, Sveva (ITA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	08-Aug-24	time	6.57	11.90	17.50	23.58	23.58	7 / 1			
reaction time	0.159	interval		5.33	5.60	6.08		# of strides	11.90	11.68	0.22
wind	0.4 m/s	velocity	7.61	9.38	8.93	8.22	8.48	95.2	8.40	8.56	
Safronova, Olga (KAZ) (1991)			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	04-Aug-24	time	6.44	11.73	17.26	23.58	23.58	3 / 7			
reaction time	0.138	interval		5.29	5.53	6.32		# of strides	11.73	11.85	-0.12
wind	1.4 m/s	velocity	7.76	9.45	9.04	7.91	8.48	95.0	8.53	8.44	
Zhu Junying (CHN) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	16-Sep-24	time		12.03	17.63	23.58	23.58	5 / 3			
reaction time	0.164	interval			5.60	5.95	PB	# of strides	12.03	11.55	0.48
wind	-1.0 m/s	velocity		8.31	8.93	8.40	8.48	99.2	8.31	8.66	
Khabarova, Irina (RUS) (1966)			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	6.47	11.80	17.37	23.59	23.59	/ 7			
reaction time	0.187	interval		5.33	5.57	6.22		# of strides	11.80	11.79	0.01
wind	1.0 m/s	velocity	7.73	9.38	8.98	8.04	8.48		8.47	8.48	
Ichikawa, Kana (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)			Takahashi (2017) - 200m running performance analysis in the 2017 season								
date	21-May-17	time	6.55	11.91	17.51	23.59	23.59	2 / 5			
reaction time	0.143	interval		5.36	5.60	6.08		# of strides	11.91	11.68	0.23
wind	0.6 m/s	velocity	7.63	9.33	8.93	8.22	8.48	99.2	8.40	8.56	
Simwaka, Asimenye (MAW) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 Commonwealth Games (Birmingham, GBR)			Longines Timing (2022) - commonwealth games race analysis								
date	05-Aug-22	time	6.6	12.1	17.6	23.59	23.59	8 / 5			
reaction time	0.166	interval		5.50	5.50	5.99		# of strides	12.10	11.49	0.61
wind	1.5 m/s	velocity	7.58	9.09	9.09	8.35	8.48		8.26	8.70	
Huang Guifen (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			Shandong Athletics Sport Science (2023)								
date	29-Jun-23	time		12.08	17.69	23.59	23.59	6 / 1			
reaction time	0.206	interval			5.61	5.90		# of strides	12.08	11.51	0.57
wind	0.5 m/s	velocity		8.28	8.91	8.47	8.48	96.0	8.28	8.69	
Aono, Shuri (JPN) (2000)			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								
date	04-Aug-23	time	6.50	11.77	17.38	23.59	23.59	6 / 4			
reaction time	0.142	interval		5.27	5.61	6.21		# of strides	11.77	11.82	-0.05
wind	-0.2 m/s	velocity	7.69	9.49	8.91	8.05	8.48	103.5	8.50	8.46	
Kaysen, Tetyana (UKR) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2025 European Team Championships, First Division (Madrid, ESP)			European Athletics (2025) - 2025 euro team champs, 1st division - results book								
date	29-Jun-25	time	6.51	11.88	17.55	23.59	23.59	/ 7			
reaction time	0.170	interval		5.37	5.67	6.04		# of strides	11.88	11.71	0.17

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DV=Drug Violation

wind	-0.2 m/s	velocity	7.68	9.31	8.82	8.28	8.48		8.42	8.54	
Anderson, Shani (GBR) (1975)											
Semi-Final 1 - 2002 European Championships (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - http://www.fgs.uni-halle.de											
date	09-Aug-02	time	6.59	11.88	17.49	23.60	23.60	/ 8			
reaction time	0.145	interval		5.29	5.61	6.11		# of strides	11.88	11.72	0.16
wind	1.0 m/s	velocity	7.59	9.45	8.91	8.18	8.47		8.42	8.53	
Tschirch, Cathleen (GER) (1979)											
FINAL - 2007 European Cup (Munich, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2007) - http://www.fgs.uni-halle.de											
date	24-Jun-07	time		11.85	17.51	23.60	23.60	/ 7			
reaction time	0.148	interval			5.66	6.09		# of strides	11.85	11.75	0.10
wind	-2.0 m/s	velocity		8.44	8.83	8.21	8.47		8.44	8.51	
Townsend, Tiffany (USA) (1989)											
FINAL - 2008 USATF National Junior Championships (Columbus, OH)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	22-Jun-08	time		12.11	17.63	23.60	23.60	4 / 1			
reaction time		interval			5.52	5.97		# of strides	12.11	11.49	0.62
wind	-2.4 m/s	velocity		8.26	9.06	8.38	8.47		8.26	8.70	
Ferguson, Sheniqua (BAH) (1989)											
FINAL - 2010 NCAA Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	12-Jun-10	time		12.0		23.6	23.60	/ 6			
reaction time		interval				11.60		# of strides	12.00	11.60	0.40
wind	1.2 m/s	velocity		8.33		8.62	8.47		8.33	8.62	
Saito, Ami (JPN) (1999)											
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kota (2016) - 69th high school championships: JAF scientific committee											
date	01-Aug-16	time	6.38	11.83	17.46	23.60	23.60	5 / 1			
reaction time	0.156	interval		5.45	5.63	6.14		# of strides	11.83	11.77	0.06
wind	1.2 m/s	velocity	7.84	9.17	8.88	8.14	8.47		8.45	8.50	
Sedney, Zoë (NED) (2001)											
FINAL - 2023 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2023) - diamond league race analysis											
date	30-Jun-23	time	6.39	11.68	17.38	23.60	23.60	7 / 6			
reaction time	0.161	interval		5.29	5.70	6.22		# of strides	11.68	11.92	-0.24
wind	-0.4 m/s	velocity	7.82	9.45	8.77	8.04	8.47		8.56	8.39	
Bürgi, Céline (SUI) (1999)											
FINAL - 2023 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2023) - diamond league race analysis											
date	30-Jun-23	time	6.42	11.74	17.40	23.60	23.60	2 / 7			
reaction time	0.132	interval		5.32	5.66	6.20		# of strides	11.74	11.86	-0.12
wind	-0.4 m/s	velocity	7.79	9.40	8.83	8.06	8.47		8.52	8.43	
Martins, Lorraine (BRA) (2000)											
Heat 2 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Timing by Seiko (2022) - world athletics championships race analysis											
date	18-Jul-22	time		11.86		23.60	23.60	1 / 8			
reaction time	0.119	interval				11.74		# of strides	11.86	11.74	0.12
wind	-0.2 m/s	velocity		8.43		8.52	8.47	107.0	8.43	8.52	
Tonazzi, Milla (SUI) (2007)											
Semi-Final 1 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
European Athletics (2025) - 2025 european athletics U20 champs - results book											
date	09-Aug-25	time	6.59	11.92	17.47	23.60	23.60	4 / 4			
reaction time	0.149	interval		5.33	5.55	6.13	PB	# of strides	11.92	11.68	0.24
wind	1.1 m/s	velocity	7.59	9.38	9.01	8.16	8.47		8.39	8.56	
Akpe-Moses, Precious (IRL) (2006)											
Semi-Final 3 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
European Athletics (2025) - 2025 european athletics U20 champs - results book											
date	09-Aug-25	time	6.49	11.83	17.52	23.60	23.60	8 / 1			
reaction time	0.158	interval		5.34	5.69	6.08	PB	# of strides	11.83	11.77	0.06
wind	0.2 m/s	velocity	7.70	9.36	8.79	8.22	8.47		8.45	8.50	
Smith, Angelique (USA) (1986)											
FINAL - 2005 USATF National Junior Championships (Carson, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2005)											
date	24-Jun-05	time		12.06	17.58	23.61	23.61	7 / 6			
reaction time		interval			5.52	6.03		# of strides	12.06	11.55	0.51

wind	0.6 m/s	velocity	8.29	9.06	8.29	8.47		8.29	8.66	
Foster, Amy (IRL) (1988)										
B FINAL	- 2013 Windsprint (Sundsvall, SWE)									0-100m 100-200m Differential
date	28-Jul-13	time	12.05	17.62	23.61	23.61	5 / 2			(2013) - www.ssg.se/windsprint/Splittider/
reaction time		interval		5.57	5.99		# of strides	12.05	11.56	0.49
wind	-0.1 m/s	velocity	8.30	8.98	8.35	8.47		8.30	8.65	
Jacobs, Simone (GBR) (1966)										
FINAL	- 1997 European Cup (Munich, GER)									0-100m 100-200m Differential
date	22-Jun-97	time	6.50	11.74	17.32	23.62	23.62	/ 6		Jung (2003) - http://www.fgs.uni-halle.de
reaction time		interval		5.24	5.58	6.30	# of strides	11.74	11.88	-0.14
wind	-0.2 m/s	velocity	7.69	9.54	8.96	7.94	8.47	8.52	8.42	
Pelham, Shaunta (USA) (1978)										
Heat 2	- 2004 USA Olympic Trials (Sacramento, CA)									0-100m 100-200m Differential
date	16-Jul-04	time	6.39	11.75	17.32	23.62	23.62	7 / 5-4		USATF Women's Sprint Development (2004)
reaction time		interval		5.36	5.57	6.30	# of strides	11.75	11.87	-0.12
wind	-0.3 m/s	velocity	7.82	9.33	8.98	7.94	8.47	98.0	8.51	8.42
Ichikawa, Kana (JPN) (1991)										
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)									0-100m 100-200m Differential
date	12-Jun-11	time	6.56	11.88	17.54	23.62	23.62	/ 2		Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters
reaction time		interval		5.32	5.66	6.08	# of strides	11.88	11.74	0.14
wind	-0.7 m/s	velocity	7.62	9.40	8.83	8.22	8.47	8.42	8.52	
Slettum, Elisabeth (NOR) (1986)										
B FINAL	- 2013 Windsprint (Sundsvall, SWE)									0-100m 100-200m Differential
date	28-Jul-13	time	12.10	17.68	23.62	23.62	3 / 3			(2013) - www.ssg.se/windsprint/Splittider/
reaction time		interval		5.58	5.94		# of strides	12.10	11.52	0.58
wind	-0.1 m/s	velocity	8.26	8.96	8.42	8.47		8.26	8.68	
Johnson-Thompson, Katarina (GBR) (1993)										
Heptathlon - Heat 2	- 2022 World Athletics Championships (Eugene, OR)									0-100m 100-200m Differential
date	17-Jul-22	time				23.62	23.62	2 / 2		Timing by Seiko (2022) - world athletics championships race analysis
reaction time	0.145	interval				11.63	# of strides	11.99	11.63	0.36
wind	1.4 m/s	velocity	8.34			8.60	8.47	90.2	8.34	8.60
Takács, Boglárka (HUN) (2001)										
FINAL	- 2023 Bauhaus Galan (Stockholm, SWE)									0-100m 100-200m Differential
date	02-Jul-23	time	6.48	11.77	17.35	23.62	23.62	2 / 8		Omega Timing (2023) - diamond league race analysis
reaction time	0.178	interval		5.29	5.58	6.27	# of strides	11.77	11.85	-0.08
wind	-0.6 m/s	velocity	7.72	9.45	8.96	7.97	8.47	99.2	8.50	8.44
Jensen, Christine Bjelland (NOR) (1993)										
Heat 5	- 2023 World Athletics Championships (Budapest, HUN)									0-100m 100-200m Differential
date	23-Aug-23	time				23.62	23.62	5 / 7		Seiko Timing (2023) - world championship race analysis
reaction time	0.181	interval				11.69	# of strides	11.93	11.69	0.24
wind	-1.3 m/s	velocity	8.38			8.55	8.47	96.0	8.38	8.55
Joseph, Gémima (FRA) (2001)										
FINAL	- 2023 Prefontaine Classic (Eugene, OR)									0-100m 100-200m Differential
date	17-Sep-23	time	6.44	11.88	17.55	22.62	23.62	1 / 9		Omega Timing (2023) - diamond league race analysis
reaction time	0.145	interval		5.44	5.67	5.07	# of strides	11.88	10.74	1.14
wind	0.3 m/s	velocity	7.76	9.19	8.82	9.86	8.47	8.42	9.31	
Koloğlu, Sila (TUR) (2004)										
Semi-Final 2	- 2025 European Athletics U23 Championships (Bergen, NOR)									0-100m 100-200m Differential
date	19-Jul-25	time	6.47	11.83	17.50	23.62	23.62	8 / 6		European Athletics (2025) - 2025 euro athletics U23 champs- results book
reaction time	0.208	interval		5.36	5.67	6.12	# of strides	11.83	11.79	0.04
wind	-1.5 m/s	velocity	7.73	9.33	8.82	8.17	8.47	8.45	8.48	
Whitney, Kaylin (USA) (1998)										
FINAL	- 2017 Seiko Golden Grand Prix (Kawasaki, JPN)									0-100m 100-200m Differential
date	21-May-17	time	6.41	11.79	17.49	23.63	23.63	3 / 6		Takahashi (2017) - 200m running performance analysis in the 2017 season
reaction time	0.165	interval		5.38	5.70	6.14	# of strides	11.79	11.84	-0.05

wind	0.6 m/s	velocity	7.80	9.29	8.77	8.14	8.46	97.5	8.48	8.45	
Ichikawa, Kana (JPN) (1991)			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	6.52	11.85	17.45	23.63	23.63	6 / 1			
reaction time	0.158	interval		5.33	5.60	6.18		# of strides	11.85	11.78	0.07
wind	-0.2 m/s	velocity	7.67	9.38	8.93	8.09	8.46		8.44	8.49	
Li Yuting (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)			CAA Hurdle Development (2021)								
date	12-Jun-21	time		11.81	17.29	23.63	23.63	8 / 3			
reaction time	0.175	interval			5.48	6.34	PB	# of strides	11.81	11.82	-0.01
wind	-0.2 m/s	velocity		8.47	9.12	7.89	8.46	93.0	8.47	8.46	
Cai Yanting (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			Shandong Athletics Sport Science (2024)								
date	30-Jun-24	time		12.06	17.64	23.63	23.63	4 / 3			
reaction time	0.141	interval			5.58	5.99		# of strides	12.06	11.57	0.49
wind	0.3 m/s	velocity		8.29	8.96	8.35	8.46	99.5	8.29	8.64	
Bokesa, Aauri Lorena (ESP) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Athletissima (Lausanne, SUI)			Omega Timing (2021) - diamond league race analysis								
date	26-Aug-21	time	6.9	12.3	17.9	23.64	23.64	8 / 7			
reaction time	0.196	interval		5.40	5.60	5.74		# of strides	12.30	11.34	0.96
wind	2.5 m/s	velocity	7.25	9.26	8.93	8.71	8.46		8.13	8.82	
Li Yuting (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		11.83		23.64	23.64	6 / 8			
reaction time	0.134	interval				11.81		# of strides	11.83	11.81	0.02
wind	0.1 m/s	velocity		8.45		8.47	8.46	91.0	8.45	8.47	
Knight, Bianca (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 USATF National Junior Championships (Carson, CA)			USATF Women's Sprint Development (2005)								
date	24-Jun-05	time		11.95	17.54	23.65	23.65	2 / 7			
reaction time		interval			5.59	6.11		# of strides	11.95	11.70	0.25
wind	0.6 m/s	velocity		8.37	8.94	8.18	8.46		8.37	8.55	
Hejnová, Zuzana (CZE) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)			Fehér (2013) - Final report men's & women's Czech Republic national champs								
date	16-Jun-13	time	6.65	12.00	17.62	23.65	23.65	4 / 3			
reaction time	0.134	interval		5.35	5.62	6.03	PB	# of strides	12.00	11.65	0.35
wind	0.3 m/s	velocity	7.52	9.35	8.90	8.29	8.46		8.33	8.58	
Fukushima, Chisato (JPN) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)			Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018								
date	24-Jun-18	time	6.43	11.77	17.45	23.65	23.65	6 / 1			
reaction time	0.130	interval		5.34	5.68	6.20		# of strides	11.77	11.88	-0.11
wind	1.1 m/s	velocity	7.78	9.36	8.80	8.06	8.46		8.50	8.42	
Tsuruta, Remi (JPN) (1997)			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	6.59	12.01	17.58	23.65	23.65	7 / 2			
reaction time	0.192	interval		5.42	5.57	6.07		# of strides	12.01	11.64	0.37
wind	-1.0 m/s	velocity	7.59	9.23	8.98	8.24	8.46	98.0	8.33	8.59	
Wessolly, Jessica-Bianca (GER) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Xiamen Diamond League (Xiamen, CHN)			Omega Timing (2024) - diamond league race analysis								
date	20-Apr-24	time	6.63	12.00	17.59	23.65	23.65	1 / 7			
reaction time	0.187	interval		5.37	5.59	6.06		# of strides	12.00	11.65	0.35
wind	-0.4 m/s	velocity	7.54	9.31	8.94	8.25	8.46	101.5	8.33	8.58	
Tamayo-Garza, Cecilia (MEX) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	04-Aug-24	time	6.47	11.66	17.29	23.65	23.65	2 / 7			
reaction time	0.160	interval		5.19	5.63	6.36		# of strides	11.66	11.99	-0.33

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DV=Drug Violation

wind	0.0 m/s	velocity	7.73	9.63	8.88	7.86	8.46	99.5	8.58	8.34	
Rooks, Cynethia (USA) (1984)											
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	04-Jul-08	time	6.62	11.96	17.55	23.66	23.66	4 / 7			
reaction time		interval		5.34	5.59	6.11		# of strides	11.96	11.70	0.26
wind	0.5 m/s	velocity	7.55	9.36	8.94	8.18	8.45	103.5	8.36	8.55	
Myrick, Wyllesheia (USA) (1979)											
Heat 4 - 2008 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development with HPC (2008)											
date	04-Jul-08	time	6.67	12.08	17.57	23.66	23.66	8 / 4			
reaction time		interval		5.41	5.49	6.09		# of strides	12.08	11.58	0.50
wind	1.2 m/s	velocity	7.50	9.24	9.11	8.21	8.45		8.28	8.64	
Cox, Shana (USA) (1985)											
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (2003)											
date	21-Jun-03	time	6.67	12.15	17.65	23.67	23.67	7 / 2			
reaction time		interval		5.48	5.50	6.02		# of strides	12.15	11.52	0.63
wind	-1.5 m/s	velocity	7.50	9.12	9.09	8.31	8.45		8.23	8.68	
McLaughlin, Anneisha (JAM) (1986)											
FINAL - 2008 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
(2008) - www.ssg.se/en/Windsprint/Split-times/											
date	06-Jul-08	time		11.90	17.52	23.67	23.67	5 / 1			
reaction time		interval			5.62	6.15		# of strides	11.90	11.77	0.13
wind	1.3 m/s	velocity		8.40	8.90	8.13	8.45		8.40	8.50	
Maduaka, Joice (GBR) (1973)											
FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Butler (2011) - Gay's last 100 in Manchester street 150											
date	15-May-11	time	6.60	11.88	17.47	23.67	23.67	1 / 3			
reaction time		interval		5.28	5.59	6.20		# of strides	11.88	11.79	0.09
wind	2.6 m/s	velocity	7.58	9.47	8.94	8.06	8.45		8.42	8.48	
Ishido, Hina (JPN) (2002)											
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN) - 72nd high school champs: JAF scientific committee - biomechanics data			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-Aug-19	time	6.45	11.76	17.39	23.67	23.67	6 / 1			
reaction time		interval		5.31	5.63	6.28	PB	# of strides	11.76	11.91	-0.15
wind	1.3 m/s	velocity	7.75	9.42	8.88	7.96	8.45		8.50	8.40	
Li Yuting (CHN) (2002)											
Semi-Final 1 - 2024 Chinese National Championships (Quzhou, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shandong Athletics Sport Science (2024)											
date	15-Sep-24	time		11.73	17.38	23.67	23.67	6 / 1			
reaction time	0.183	interval			5.65	6.29		# of strides	11.73	11.94	-0.21
wind	0.9 m/s	velocity		8.53	8.85	7.95	8.45	90.5	8.53	8.38	
Wei Yongli (CHN) (1991)											
FINAL - 2019 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2019) - diamond league race analysis											
date	05-Jul-19	time	6.6	12.0	17.6	23.68	23.68	1 / 8			
reaction time	0.172	interval		5.4	5.6	6.08		# of strides	12.00	11.68	0.32
wind	1.0 m/s	velocity	7.58	9.26	8.93	8.22	8.45	97.0	8.33	8.56	
Cai Yanting (CHN) (2000)											
Heat 2 - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shandong Athletics Sport Science (2023)											
date	28-Jun-23	time		11.78	17.43	23.68	23.68	7 / 1			
reaction time	0.198	interval			5.65	6.25		# of strides	11.78	11.90	-0.12
wind	0.5 m/s	velocity		8.49	8.85	8.00	8.45	100.0	8.49	8.40	
Martins, Lorraine (BRA) (2000)											
Heat 4 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Paris 2024 Olympic Games - Results Book (2024)											
date	04-Aug-24	time	6.58	11.88	17.52	23.68	23.68	8 / 8			
reaction time	0.179	interval		5.30	5.64	6.16		# of strides	11.88	11.80	0.08
wind	0.0 m/s	velocity	7.60	9.43	8.87	8.12	8.45	105.0	8.42	8.47	
Cai Yanting (CHN) (2000)											
FINAL - 2024 Chinese National Championships (Quzhou, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shandong Athletics Sport Science (2024)											
date	16-Sep-24	time		11.87	17.60	23.68	23.68	3 / 4			
reaction time	0.175	interval			5.73	6.08		# of strides	11.87	11.81	0.06

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wind	-1.0 m/s	velocity	8.42	8.73	8.22	8.45	99.0	8.42	8.47		
Valensin, Elisa (ITA) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 European Athletics U20 Championships (Tampere, FIN)			<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>								
date	09-Aug-25	time	6.60	11.93	17.49	23.68	23.68	6 / 5			
reaction time	0.160	interval		5.33	5.56	6.19		# of strides	11.93	11.75	0.18
wind	1.1 m/s	velocity	7.58	9.38	8.99	8.08	8.45		8.38	8.51	
Cox, Crystal (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 USATF National Junior Championships (Delaware, OH)			<i>USATF Women's Sprint Development (1996)</i>								
date	29-Jun-96	time	6.65	11.86	17.50	23.69	23.69	5 / 2			
reaction time		interval		5.21	5.64	6.19		# of strides	11.86	11.83	0.03
wind	-1.3 m/s	velocity	7.52	9.60	8.87	8.08	8.44		8.43	8.45	
Kidd, Ashlee (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.59	12.09	17.66	23.69	23.69	4 / 5			
reaction time		interval		5.50	5.57	6.03		# of strides	12.09	11.60	0.49
wind	1.4 m/s	velocity	7.59	9.09	8.98	8.29	8.44	92.0	8.27	8.62	
Okparaebo, Ezinne (NOR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2014 Windsprint (Sundsvall, SWE)			<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>								
date	20-Jul-14	time		11.69		23.69	23.69	3 / 2			
reaction time		interval				12.00		# of strides	11.69	12.00	-0.31
wind	2.7 m/s	velocity		8.55		8.33	8.44		8.55	8.33	
Aono, Shuri (JPN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)			<i>Ryutaro (2018) - research on athlete performance and technique</i>								
date	21-Oct-18	time	6.69	12.05	17.63	23.69	23.69	4 / 1			
reaction time	0.160	interval		5.36	5.58	6.06		# of strides	12.05	11.64	0.41
wind	1.5 m/s	velocity	7.47	9.33	8.96	8.25	8.44		8.30	8.59	
Semedo, Gorete (STP) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		12.02		23.69	23.69	9 / 8			
reaction time	0.239	interval				11.67		# of strides	12.02	11.67	0.35
wind	-0.7 m/s	velocity		8.32		8.57	8.44	98.0	8.32	8.57	
Wada, Maki (JPN) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>								
date	19-May-19	time	6.34	11.73	17.52	20.99	23.70	7 / 6			
reaction time	0.129	interval		5.39	5.79	3.47		# of strides	11.73	9.26	2.47
wind	0.5 m/s	velocity	7.89	9.28	8.64	14.41	8.44	101.5	8.53	10.80	
Saito, Ami (JPN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese National Championships (Osaka, JPN)			<i>Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season</i>								
date	27-Jun-21	time	6.48	11.83	17.52	23.70	23.70	5 / 3			
reaction time	0.165	interval		5.35	5.69	6.18		# of strides	11.83	11.87	-0.04
wind	-1.0 m/s	velocity	7.72	9.35	8.79	8.09	8.44	103.7	8.45	8.42	
Hoenke, Fabienne (SUI) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Athletissima (Lausanne, SUI)			<i>Omega Timing (2024) - diamond league race analysis</i>								
date	22-Aug-24	time	6.58	11.97	17.61	23.70	23.70	1 / 8			
reaction time	0.132	interval		5.39	5.64	6.09		# of strides	11.97	11.73	0.24
wind	0.9 m/s	velocity	7.60	9.28	8.87	8.21	8.44		8.35	8.53	
Amundsen, Maren Bakke (NOR) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 European Athletics U23 Championships (Bergen, NOR)			<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>								
date	19-Jul-25	time	6.54	11.86	17.45	23.70	23.70	1 / 6			
reaction time	0.174	interval		5.32	5.59	6.25		# of strides	11.86	11.84	0.02
wind	-1.3 m/s	velocity	7.65	9.40	8.94	8.00	8.44		8.43	8.45	
Dokter, Sofie (NED) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>								
date	19-Sep-25	time		12.05		23.70	23.70	6 / 4			
reaction time	0.184	interval				11.65		# of strides	12.05	11.65	0.40

wind	0.4 m/s	velocity	8.30	8.58	8.44	94.2	8.30	8.58	
Chapman, Maree (AUS) (1963)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1985 World Cup (Canberra, AUS)									
date	04-Oct-85	time	12.0	23.71	23.71	4 / 6			
reaction time		interval		11.71		# of strides	12.00	11.71	0.29
wind	-0.7 m/s	velocity	8.33	8.54	8.44		8.33	8.54	
Mahan, Shayla (USA) (1989)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)									
date	23-Jun-06	time	11.88	23.71	23.71	1 / 8			
reaction time		interval		5.65	6.18	# of strides	11.88	11.83	0.05
wind	0.9 m/s	velocity	8.42	8.85	8.09	8.44	8.42	8.45	
Williams, Sherika (JAM) (1985)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2015 Windsprint (Sundsvall, SWE)									
date	26-Jul-15	time	12.10	23.71	23.71	4 / 2			
reaction time		interval		11.61		# of strides	12.10	11.61	0.49
wind	0.8 m/s	velocity	8.26	8.61	8.44		8.26	8.61	
Ichikawa, Kana (JPN) (1991)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2018 Shizuoka International Meeting (Fukuroi, JPN)									
date	03-May-18	time	6.54	11.90	17.56	23.71	23.71	5 / 1	
reaction time	0.184	interval		5.36	5.66	6.15	# of strides	11.90	11.81
wind	1.4 m/s	velocity	7.65	9.33	8.83	8.13	8.44	98.0	8.40
									8.47
Chadwick, Payton (USA) (1995)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)									
date	18-Aug-19	time	6.8	12.2	17.8	23.71	23.71	1 / 7	
reaction time	0.262	interval		5.4	5.6	5.91	# of strides	12.20	11.51
wind	0.4 m/s	velocity	7.35	9.26	8.93	8.46	8.44		8.20
									8.69
Tong Zenghuan (CHN) (1995)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)									
date	12-Jun-21	time	11.73	23.71	23.71	3 / 2			
reaction time	0.218	interval		11.98		# of strides	11.73	11.98	-0.25
wind	-0.4 m/s	velocity	8.53	8.35	8.44	101.0	8.53	8.35	
Tong Zenghuan (CHN) (1995)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 Chinese Olympic Trials (Shaoxing, CHN)									
date	13-Jun-21	time	12.00	23.71	23.71	4 / 3			
reaction time	0.245	interval		11.71		# of strides	12.00	11.71	0.29
wind	0.2 m/s	velocity	8.33	8.54	8.44	100.2	8.33	8.54	
Sato, Misato (JPN) (2003)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)									
date	31-Jul-21	time	6.58	12.17	17.75	23.71	23.71	4 / 1	
reaction time	0.155	interval		5.59	5.58	5.96	# of strides	12.17	11.54
wind	2.2 m/s	velocity	7.60	8.94	8.96	8.39	8.44		8.22
									8.67
Bieber, Halle (USA) (2000)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2024 USA Olympic Trials (Eugene, OR)									
date	27-Jun-24	time	6.22	11.52	17.21	23.71	23.71	2 / 8	
reaction time		interval		5.30	5.69	6.50	# of strides	11.52	12.19
wind	0.2 m/s	velocity	8.04	9.43	8.79	7.69	8.44	98.0	8.68
									8.20
Watson, Najhyiai (USA) (2004)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2025 USATF Championships (Eugene, OR)									
date	03-Aug-25	time	6.53	11.83	17.42	23.71	23.71	3 / 7	
reaction time		interval		5.30	5.59	6.29	# of strides	11.83	11.88
wind	0.1 m/s	velocity	7.66	9.43	8.94	7.95	8.44	98.0	8.45
									8.42
Canovi, Viola (ITA) (2008)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2025 European Athletics U20 Championships (Tampere, FIN)									
date	09-Aug-25	time	6.57	12.00	17.71	23.71	23.71	3 / 2	
reaction time	0.167	interval		5.43	5.71	6.00	# of strides	12.00	11.71
									0.29

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DV=Drug Violation

wind	0.2 m/s	velocity	7.61	9.21	8.76	8.33	8.44		8.33	8.54	
Tarmoh, Jeneba (USA) (1989)											
FINAL - 2016 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	10-Jul-16	time		11.8		23.7	23.72	1 / 8			
reaction time	0.189	interval				11.90		# of strides	11.80	11.90	-0.10
wind	-0.6 m/s	velocity		8.47		8.40	8.43		8.47	8.40	
Njobvu, Rhodah (ZAM) (1994)											
Semi-Final 2 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	05-Aug-22	time	6.4	11.9	17.6	23.72	23.72	5 / 4			
reaction time	0.158	interval		5.50	5.70	6.12		# of strides	11.90	11.82	0.08
wind	0.0 m/s	velocity	7.81	9.09	8.77	8.17	8.43	96.0	8.40	8.46	
Chandler, Caisja (USA) (2000)											
FINAL - 2024 Xiamen Diamond League (Xiamen, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	20-Apr-24	time	6.53	11.91	17.56	23.72	23.72	2 / 8			
reaction time	0.151	interval		5.38	5.65	6.16		# of strides	11.91	11.81	0.10
wind	-0.4 m/s	velocity	7.66	9.29	8.85	8.12	8.43	99.0	8.40	8.47	
Sulyán, Alexa (HUN) (2005)											
Semi-Final 2 - 2025 European Athletics U23 Championships (Bergen, NOR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>											
date	19-Jul-25	time	6.45	11.82	17.50	23.72	23.72	2 / 7			
reaction time	0.170	interval		5.37	5.68	6.22		# of strides	11.82	11.90	-0.08
wind	-1.5 m/s	velocity	7.75	9.31	8.80	8.04	8.43		8.46	8.40	
Akpe-Moses, Precious (IRL) (2006)											
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.50	11.84	17.46	23.72	23.72	6 / 4			
reaction time	0.144	interval		5.34	5.62	6.26		# of strides	11.84	11.88	-0.04
wind	-2.0 m/s	velocity	7.69	9.36	8.90	7.99	8.43	96.0	8.45	8.42	
Schmitz, Mia (GER) (2006)											
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.54	11.97	17.71	23.72	23.72	3 / 3			
reaction time	0.155	interval		5.43	5.74	6.01	PB	# of strides	11.97	11.75	0.22
wind	-0.4 m/s	velocity	7.65	9.21	8.71	8.32	8.43		8.35	8.51	
Gajosz, Wiktoria (POL) (2006)											
Semi-Final 3 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.45	11.80	17.30	23.72	23.72	5 / 3			
reaction time	0.135	interval		5.35	5.50	6.42		# of strides	11.80	11.92	-0.12
wind	0.2 m/s	velocity	7.75	9.35	9.09	7.79	8.43		8.47	8.39	
Jordan, Victoria (USA) (1990)											
FINAL - 2008 USATF National Junior Championships (Columbus, OH)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	22-Jun-08	time		12.02	17.62	23.73	23.73	8 / 2			
reaction time		interval			5.60	6.11		# of strides	12.02	11.71	0.31
wind	-2.4 m/s	velocity		8.32	8.93	8.18	8.43		8.32	8.54	
Vetter, Anouk (NED) (1993)											
Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	17-Jul-22	time		12.18		23.73	23.73	8 / 3			
reaction time	0.168	interval				11.55		# of strides	12.18	11.55	0.63
wind	1.4 m/s	velocity		8.21		8.66	8.43	95.0	8.21	8.66	
Liu Yinglan (CHN) (2005)											
Heat 2 - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shandong Athletics Sport Science (2023)</i>											
date	28-Jun-23	time		11.96	17.59	23.73	23.73	4 / 2			
reaction time	0.198	interval			5.63	6.14	PB	# of strides	11.96	11.77	0.19
wind	0.5 m/s	velocity		8.36	8.88	8.14	8.43	95.7	8.36	8.50	
Dokter, Sofie (NED) (2002)											
Heptathlon - Heat 3 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	08-Aug-24	time	6.69	12.07	17.73	23.73	23.73	4 / 2			
reaction time	0.172	interval		5.38	5.66	6.00		# of strides	12.07	11.66	0.41

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DV=Drug Violation

wind	-0.5 m/s	velocity	7.47	9.29	8.83	8.33	8.43	96.0	8.29	8.58	
Safronova, Olga (KAZ) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.45	11.74	17.40	23.74	23.74	7 / 6			
reaction time		interval		5.29	5.66	6.34		# of strides	11.74	12.00	-0.26
wind	1.0 m/s	velocity	7.75	9.45	8.83	7.89	8.42	95.7	8.52	8.33	
Imai, Saori (JPN) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Japanese National Championships (Osaka, JPN)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	25-Jun-17	time	6.65	12.07	17.71	23.74	23.74	7 / 2			
reaction time	0.185	interval		5.42	5.64	6.03		# of strides	12.07	11.67	0.40
wind	-0.2 m/s	velocity	7.52	9.23	8.87	8.29	8.42		8.29	8.57	
Brooks, Taliyah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2024 USA Olympic Trials (Eugene, OR)							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>				
date	23-Jun-24	time	6.51	12.03	17.65	23.74	23.74	6 / 3			
reaction time		interval		5.52	5.62	6.09		# of strides	12.03	11.71	0.32
wind	1.1 m/s	velocity	7.68	9.06	8.90	8.21	8.42		8.31	8.54	
Eriksen, Josefine Tomine (NOR) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2025 Bislett Games (Oslo, NOR)							<i>Omega Timing (2025) - diamond league race analysis</i>				
date	12-Jun-25	time	6.61	12.05	17.66	23.74	23.74	6 / 1			
reaction time	0.177	interval		5.44	5.61	6.08		# of strides	12.05	11.69	0.36
wind	1.0 m/s	velocity	7.56	9.19	8.91	8.22	8.42		8.30	8.55	
Layne, Lynne (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.67	12.11	17.55	23.75	23.75	8 / 6			
reaction time		interval		5.44	5.44	6.20		# of strides	12.11	11.64	0.47
wind	1.3 m/s	velocity	7.50	9.19	9.19	8.06	8.42		8.26	8.59	
McConnell, Lee (GBR) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 Great CityGames (Manchester, GBR) (200m straightaway)							<i>Jalava (2010) - www.tilastopaja.org</i>				
date	16-May-10	time		11.96	17.60	23.75	23.75	1 / 4			
reaction time		interval			5.64	6.15		# of strides	11.96	11.79	0.17
wind	0.2 m/s	velocity		8.36	8.87	8.13	8.42		8.36	8.48	
Greaves, Shavon (USA) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 NCAA Championships (Eugene, OR)							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	12-Jun-10	time		12.0		23.8	23.75	1 / 7			
reaction time		interval				11.80		# of strides	12.00	11.80	0.20
wind	1.2 m/s	velocity		8.33		8.47	8.42		8.33	8.47	
Broaddus, Juanita (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)							<i>USATF Women's Sprint Development (2003)</i>				
date	21-Jun-03	time	6.71	12.25	17.75	23.76	23.76	4 / 3			
reaction time		interval		5.54	5.50	6.01		# of strides	12.25	11.51	0.74
wind	-1.5 m/s	velocity	7.45	9.03	9.09	8.32	8.42		8.16	8.69	
Nakamura, Mizuki (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Japanese National Championships (Osaka, JPN)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	25-Jun-17	time	6.62	12.00	17.63	23.76	23.76	4 / 3			
reaction time	0.197	interval		5.38	5.63	6.13		# of strides	12.00	11.76	0.24
wind	-0.2 m/s	velocity	7.55	9.29	8.88	8.16	8.42		8.33	8.50	
Takashima, Saki (JPN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)							<i>Watanabe (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>				
date	07-Aug-19	time	6.69	12.14	17.73	23.76	23.76	3 / 2			
reaction time		interval		5.45	5.59	6.03	PB	# of strides	12.14	11.62	0.52
wind	1.3 m/s	velocity	7.47	9.17	8.94	8.29	8.42		8.24	8.61	
Quach Thi Lan (VIE) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Asian Games (Jakarta, INA)							<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>				
date	29-Aug-18	time	6.52	11.91	17.62	23.77	23.77	1 / 8			
reaction time	0.137	interval		5.39	5.71	6.15		# of strides	11.91	11.86	0.05

wind	-0.7 m/s	velocity	7.67	9.28	8.76	8.13	8.41	89.2	8.40	8.43	
Atcho, Sarah (SUI) (1995)			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	6.4	11.7	17.3	23.77	23.77	5 / 3			
reaction time	0.147	interval		5.30	5.60	6.47		# of strides	11.70	12.07	-0.37
wind	-0.9 m/s	velocity	7.81	9.43	8.93	7.73	8.41		8.55	8.29	
Sulek, Adrianna (POL) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	17-Jul-22	time		12.20		23.77	23.77	5 / 4			
reaction time	0.167	interval				11.57	PB	# of strides	12.20	11.57	0.63
wind	1.4 m/s	velocity		8.20		8.64	8.41	99.5	8.20	8.64	
Huang Guifen (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			Shandong Athletics Sport Science (2024)								
date	30-Jun-24	time		12.08	17.64	23.77	23.77	6 / 4			
reaction time	0.186	interval			5.56	6.13		# of strides	12.08	11.69	0.39
wind	0.3 m/s	velocity		8.28	8.99	8.16	8.41	96.0	8.28	8.55	
Tassin, Beatrice (FRA) (2008)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2025 European Athletics U20 Championships (Tampere, FIN)			European Athletics (2025) - 2025 european athletics U20 champs - results book								
date	09-Aug-25	time	6.65	12.07	17.73	23.77	23.77	2 / 4			
reaction time	0.147	interval		5.42	5.66	6.04		# of strides	12.07	11.70	0.37
wind	0.2 m/s	velocity	7.52	9.23	8.83	8.28	8.41		8.29	8.55	
Jacobs, Simone (GBR) (1966)			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		11.71		23.78	23.78	/ 4			
reaction time		interval				12.07		# of strides	11.71	12.07	-0.36
wind	-3.4 m/s	velocity		8.54		8.29	8.41		8.54	8.29	
Iki, Aiko (JPN) (2000)			50m	100m	150m	200m	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	6.57	12.08	17.68	23.78	23.78	5 / 1			
reaction time		interval		5.51	5.60	6.10	PB	# of strides	12.08	11.70	0.38
wind	0.8 m/s	velocity	7.61	9.07	8.93	8.20	8.41		8.28	8.55	
Oishi, Sayaka (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 Japanese National Championships (Niigata, JPN)			Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020								
date	03-Oct-20	time	6.57	11.88	17.54	23.78	23.78	6 / 3			
reaction time	0.153	interval		5.31	5.66	6.24	PB	# of strides	11.88	11.90	-0.02
wind	-0.1 m/s	velocity	7.61	9.42	8.83	8.01	8.41	100.0	8.42	8.40	
Lilja, Lisa (SWE) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Bauhaus Galan (Stockholm, SWE)			Omega Timing (2022) - diamond league race analysis								
date	30-Jun-22	time	6.55	11.94	17.61	23.78	23.78	1 / 8			
reaction time	0.142	interval		5.39	5.67	6.17		# of strides	11.94	11.84	0.10
wind	0.1 m/s	velocity	7.63	9.28	8.82	8.10	8.41	100.0	8.38	8.45	
Huang Guifen (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			Shandong Athletics Sport Science (2024)								
date	29-Jun-24	time		12.01	17.63	23.78	23.78	6 / 1			
reaction time	0.261	interval			5.62	6.15		# of strides	12.01	11.77	0.24
wind	0.5 m/s	velocity		8.33	8.90	8.13	8.41	96.2	8.33	8.50	
Xie Fuyu (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	16-Sep-24	time		11.98	17.62	23.78	23.78	8 / 5			
reaction time	0.226	interval			5.64	6.16	PB	# of strides	11.98	11.80	0.18
wind	-1.0 m/s	velocity		8.35	8.87	8.12	8.41	101.0	8.35	8.47	
Bikar Kern, Pika (SLO) (2006)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2025 European Athletics U20 Championships (Tampere, FIN)			European Athletics (2025) - 2025 european athletics U20 champs - results book								
date	09-Aug-25	time	6.92	12.34	17.85	23.78	23.78	1 / 6			
reaction time	0.143	interval		5.42	5.51	5.93		# of strides	12.34	11.44	0.90

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

wind	1.1 m/s	velocity	7.23	9.23	9.07	8.43	8.41		8.10	8.74	
Suchovská, Erika (CZE) (1967)											
FINAL - 2001 European Cup (Bremen, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	24-Jun-01	time	6.64	12.08	17.75	23.79	23.79	/ 8	Graubner (2007) - http://www.fgs.uni-halle.de		
reaction time	0.151	interval		5.44	5.67	6.04		# of strides	12.08	11.71	0.37
wind	0.3 m/s	velocity	7.53	9.19	8.82	8.28	8.41		8.28	8.54	
Sanders, Nicola (GBR) (1982)											
FINAL - 2012 Great CityGames (Manchester, GBR) (200m straightaway)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-May-12	time		11.90		23.79	23.79	4 / 4	Jalava (2012) - www.tilastopaja.org		
reaction time		interval				11.89		# of strides	11.90	11.89	0.01
wind	-0.3 m/s	velocity		8.40		4.20	8.41		8.40	8.41	
Moore, LaShaunte'a (USA) (1983)											
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-May-15	time	6.60	11.97	17.63	23.79	23.79	1 / 7	Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015		
reaction time		interval		5.37	5.66	6.16		# of strides	11.97	11.82	0.15
wind	1.0 m/s	velocity	7.58	9.31	8.83	8.12	8.41		8.35	8.46	
Idoabigeiru, Fuka (JPN) (2001)											
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN) (200m straightaway)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-Aug-19	time	6.59	11.98	17.61	23.79	23.79	5 / 3	Watanabe (2019) - 72nd high school champs: JAF scientific committee - biomechanics data		
reaction time		interval		5.39	5.63	6.18	PB	# of strides	11.98	11.81	0.17
wind	1.3 m/s	velocity	7.59	9.28	8.88	8.09	8.41		8.35	8.47	
Iki, Aiko (JPN) (2000)											
FINAL - 2021 Japanese National Championships (Osaka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	27-Jun-21	time	6.62	12.05	15.67	23.79	23.79	8 / 4	Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season		
reaction time	0.190	interval		5.43	3.62	8.12		# of strides	12.05	11.74	0.31
wind	-1.0 m/s	velocity	7.55	9.21	13.81	6.16	8.41	100.5	8.30	8.52	
Rosius, Rani (BEL) (2000)											
FINAL - 2021 Memorial van Damme (Brussels, BEL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-Sep-21	time	6.6	11.9	17.7	23.79	23.79	2 / 8	Omega Timing (2021) - diamond league race analysis		
reaction time	0.204	interval		5.30	5.80	6.09		# of strides	11.90	11.89	0.01
wind	0.4 m/s	velocity	7.58	9.43	8.62	8.21	8.41	100.0	8.40	8.41	
Hao Miao (CHN) (2002)											
Heat 2 - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-Jun-23	time		11.79	17.47	23.79	23.79	2 / 3	Shandong Athletics Sport Science (2023)		
reaction time	0.197	interval			5.68	6.32	PB	# of strides	11.79	12.00	-0.21
wind	0.5 m/s	velocity		8.48	8.80	7.91	8.41	99.0	8.48	8.33	
Li Yuting (CHN) (2002)											
Heat 1 - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	29-Jun-24	time		11.98	17.69	23.79	23.79	7 / 1	Shandong Athletics Sport Science (2024)		
reaction time	0.198	interval			5.71	6.10		# of strides	11.98	11.81	0.17
wind	0.2 m/s	velocity		8.35	8.76	8.20	8.41	89.5	8.35	8.47	
Li Yanjie (CHN) (2002)											
Heat 1 - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	29-Jun-24	time		12.18	17.84	23.79	23.79	5 / 2	Shandong Athletics Sport Science (2024)		
reaction time	0.159	interval			5.66	5.95	PB	# of strides	12.18	11.61	0.57
wind	0.2 m/s	velocity		8.21	8.83	8.40	8.41	101.0	8.21	8.61	
Sears, Jacious (USA) (2001)											
Short Sprints - 2025 Grand Slam Track Kingston (Kingston, JAM)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Apr-25	time	6.43	11.58	17.32	23.79	23.79	3 / 3	Grand Slam Track (2025) - results and splits by race		
reaction time	0.190	interval		5.15	5.74	6.47		# of strides	11.58	12.21	-0.63
wind	-4.7 m/s	velocity	7.78	9.71	8.71	7.73	8.41	104.5	8.64	8.19	
Williams, Aleah (USA) (1981)											
Semi-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-Jul-04	time	6.39	11.70	17.40	23.80	23.80	3 / 6	USATF Women's Sprint Development (2004)		
reaction time		interval		5.31	5.70	6.40		# of strides	11.70	12.10	-0.40

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wind	-1.1 m/s	velocity	7.82	9.42	8.77	7.81	8.40	98.0	8.55	8.26	
Purvis, Ashton (USA) (1992)											
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	11.99	17.61	23.80	23.80	7 / 3				
reaction time		interval		5.62	6.19		# of strides	11.99	11.81	0.18	
wind	-2.4 m/s	velocity	8.34	8.90	8.08	8.40		8.34	8.47		
Henry, Samantha (JAM) (1988)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2010 NCAA Championships (Eugene, OR)						USATF Women's Sprint Development with HPC (2008)					
date	12-Jun-10	time	12.1		23.8	23.80	/ 8				
reaction time		interval			11.70		# of strides	12.10	11.70	0.40	
wind	1.2 m/s	velocity	8.26		8.55	8.40		8.26	8.55		
Maeyama, Miyu (JPN) (1996)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)						Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018					
date	03-May-18	time	6.54	11.95	17.62	23.80	7 / 2				
reaction time	0.187	interval		5.41	5.67	6.18	# of strides	11.95	11.85	0.10	
wind	1.1 m/s	velocity	7.65	9.24	8.82	8.09	96.2	8.37	8.44		
Kodama, Mei (JPN) (1999)											
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	6.55	11.93	17.60	23.80	7 / 1				
reaction time	0.158	interval		5.38	5.67	6.20	# of strides	11.93	11.87	0.06	
wind	-0.4 m/s	velocity	7.63	9.29	8.82	8.06	101.0	8.38	8.42		
Castellani, Margherita (ITA) (2008)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)						European Athletics (2025) - 2025 european athletics U20 champs - results book					
date	09-Aug-25	time	6.67	12.15	17.78	23.80	6 / 4				
reaction time	0.148	interval		5.48	5.63	6.02	# of strides	12.15	11.65	0.50	
wind	-0.4 m/s	velocity	7.50	9.12	8.88	8.31	8.40	8.23	8.58		
Juškevičiūtė, Beatričė (LTU) (2000)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heptathlon - Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)						Seiko Timing (2025) - 2025 World Championships race analysis					
date	19-Sep-25	time	11.89		23.80	23.80	5 / 5				
reaction time	0.147	interval			11.91		# of strides	11.89	11.91	-0.02	
wind	0.4 m/s	velocity	8.41		8.40	8.40	102.0	8.41	8.40		
Roseby, Hasani (USA) (1982)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)						USATF Women's Sprint Development with HPC (2008)					
date	05-Jul-08	time	6.34	11.90	17.53	23.81	3 / 6				
reaction time		interval		5.56	5.63	6.28	# of strides	11.90	11.91	-0.01	
wind	-1.3 m/s	velocity	7.89	8.99	8.88	7.96	8.40	8.40	8.40		
Fujisawa, Sayaka (JPN) (1991)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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	6.70	12.10	17.70	23.81	6 / 2				
reaction time	0.178	interval		5.40	5.60	6.11	# of strides	12.10	11.71	0.39	
wind	0.1 m/s	velocity	7.46	9.26	8.93	8.18	102.0	8.26	8.54		
Tsuruta, Remi (JPN) (1997)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Race 2 - 2020 World Athletics Trials (Fuji, JPN)						Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020					
date	06-Sep-20	time	6.58	11.95	17.65	23.81	5 / 1				
reaction time		interval		5.37	5.70	6.16	# of strides	11.95	11.86	0.09	
wind	-0.7 m/s	velocity	7.60	9.31	8.77	8.12	8.40	8.37	8.43		
Onodera, Ayami (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	6.58	12.16	17.78	23.81	3 / 2				
reaction time	0.157	interval		5.58	5.62	6.03	# of strides	12.16	11.65	0.51	
wind	2.2 m/s	velocity	7.60	8.96	8.90	8.29	8.40	8.22	8.58		
De Freitas, Beyonce (IVB) (2001)											
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	11.91		23.81	23.81	8 / 7				
reaction time	0.191	interval			11.90		# of strides	11.91	11.90	0.01	

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wind	0.9 m/s	velocity	8.40	8.40	8.40	95.0	8.40	8.40	
De Freitas, Beyonce (IVB) (2001)									
Semi-Final 3 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Longines Timing (2022) - commonwealth games race analysis</i>									
date	05-Aug-22	time	6.4	11.9	17.5	23.81	23.81	6 / 6	
reaction time	0.202	interval		5.50	5.60	6.31		# of strides	11.90 11.91 -0.01
wind	1.5 m/s	velocity	7.81	9.09	8.93	7.92	8.40		8.40 8.40
Koné, Maboundou (CIV) (1997)									
FINAL - 2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Omega Timing (2025) - diamond league race analysis</i>									
date	03-May-25	time	6.41	11.82	17.59	23.81	23.81	4 / 9	
reaction time	0.163	interval		5.41	5.77	6.22		# of strides	11.82 11.99 -0.17
wind	0.5 m/s	velocity	7.80	9.24	8.67	8.04	8.40	101.0	8.46 8.34
Perkins, Angel (USA) (1984)									
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>USATF Women's Sprint Development (2003)</i>									
date	21-Jun-03	time		12.03	17.68	23.82	23.82	1 / 4	
reaction time		interval			5.65	6.14		# of strides	12.03 11.79 0.24
wind	-1.5 m/s	velocity		8.31	8.85	8.14	8.40		8.31 8.48
Kageyama, Sakiho (JPN) (2002)									
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>64th JPN - 72nd high school champs: JAF scientific committee - biomechanics data</i>									
date	07-Aug-19	time	6.65	12.17	17.76	23.82	23.82	4 / 4	
reaction time		interval		5.52	5.59	6.06	PB	# of strides	12.17 11.65 0.52
wind	1.3 m/s	velocity	7.52	9.06	8.94	8.25	8.40		8.22 8.58
Ishikawa, Yu (JPN) (2002)									
FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>									
date	25-Oct-20	time	6.71	12.21	17.85	23.82	23.82	5 / 1	
reaction time	0.181	interval		5.50	5.64	5.97		# of strides	12.21 11.61 0.60
wind	4.3 m/s	velocity	7.45	9.09	8.87	8.38	8.40	101.0	8.19 8.61
Cai Yanting (CHN) (2000)									
FINAL - 2020 Chinese Olympic Trials (Shaoxing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>CAA Hurdle Development (2021)</i>									
date	13-Jun-21	time		11.93		23.82	23.82	8 / 5	
reaction time	0.151	interval				11.89		# of strides	11.93 11.89 0.04
wind	0.2 m/s	velocity		8.38		8.41	8.40	98.0	8.38 8.41
Njobvu, Rhodah (ZAM) (1994)									
Heat 6 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time		12.06		23.82	23.82	3 / 7	
reaction time	0.180	interval				11.76		# of strides	12.06 11.76 0.30
wind	-0.3 m/s	velocity		8.29		8.50	8.40	97.0	8.29 8.50
Akizawa, Risa (JPN) (2007)									
FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Takashima (2024) - national high school sports festival - biomechanics data</i>									
date	31-Jul-24	time	6.50	11.98	17.68	23.82	23.82	6 / 1	
reaction time	0.192	interval		5.48	5.70	6.14	PB	# of strides	11.98 11.84 0.14
wind	1.1 m/s	velocity	7.69	9.12	8.77	8.14	8.40		8.35 8.45
Martins, Lorraine (BRA) (2000)									
Repechage 2 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>									
date	05-Aug-24	time	6.59	11.91	17.58	23.82	23.82	6 / 6	
reaction time	0.169	interval		5.32	5.67	6.24		# of strides	11.91 11.91 0.00
wind	0.6 m/s	velocity	7.59	9.40	8.82	8.01	8.40	106.7	8.40 8.40
Katsura, Yuliya (RUS) (1983)									
A FINAL - 2013 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>(2013) - www.ssg.se/windsprint/Splittider/</i>									
date	28-Jul-13	time		12.01	17.71	23.83	23.83	6 / 4	
reaction time		interval			5.70	6.12		# of strides	12.01 11.82 0.19
wind	1.6 m/s	velocity		8.33	8.77	8.17	8.39		8.33 8.46
Ichikawa, Kana (JPN) (1991)									
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m 100-200m Differential
<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	24-Jun-18	time	6.63	12.02	17.66	23.83	23.83	7 / 2	
reaction time	0.143	interval		5.39	5.64	6.17		# of strides	12.02 11.81 0.21

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wind	1.1 m/s	velocity	7.54	9.28	8.87	8.10	8.39		8.32	8.47	
Dobbin, Beth (GBR) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Weltklasse (Zürich, SUI)			Omega Timing (2022) - diamond league race analysis								
date	08-Sep-22	time	6.53	11.93	17.67	23.83	23.83	1 / 8			
reaction time	0.137	interval		5.40	5.74	6.16		# of strides	11.93	11.90	0.03
wind	-0.9 m/s	velocity	7.66	9.26	8.71	8.12	8.39		8.38	8.40	
Zhu Junying (CHN) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	15-Sep-24	time		12.16	17.80	23.83	23.83	6 / 1			
reaction time	0.160	interval			5.64	6.03		# of strides	12.16	11.67	0.49
wind	1.5 m/s	velocity		8.22	8.87	8.29	8.39	99.0	8.22	8.57	
Liu Guoyi (CHN) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	16-Sep-24	time		11.89	17.59	23.83	23.83	7 / 6			
reaction time	0.194	interval			5.70	6.24	PB	# of strides	11.89	11.94	-0.05
wind	-1.0 m/s	velocity		8.41	8.77	8.01	8.39	98.0	8.41	8.38	
McGrone, Candyce (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		11.96	17.57	23.84	23.84	6 / 4			
reaction time		interval			5.61	6.27		# of strides	11.96	11.88	0.08
wind	-2.4 m/s	velocity		8.36	8.91	7.97	8.39		8.36	8.42	
Lowery, Santana (USA) (1987)			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	6.52	11.87	17.58	23.84	23.84	4 / 6			
reaction time		interval		5.35	5.71	6.26		# of strides	11.87	11.97	-0.10
wind	1.6 m/s	velocity	7.67	9.35	8.76	7.99	8.39		8.42	8.35	
Shi Yarong (CHN) (1996)			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 women's sprint finals the world championships trials								
date	03-Aug-19	time	6.57	11.90	17.64	23.84	23.84	7 / 4			
reaction time		interval		5.33	5.74	6.20	PB	# of strides	11.90	11.94	-0.04
wind	0.2 m/s	velocity	7.61	9.38	8.71	8.06	8.39		8.40	8.38	
Brier, Hannah (GBR) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 Commonwealth Games (Birmingham, GBR)			Longines Timing (2022) - commonwealth games race analysis								
date	05-Aug-22	time	6.4	11.9	17.6	23.84	23.84	7 / 6			
reaction time	0.147	interval		5.50	5.70	6.24		# of strides	11.90	11.94	-0.04
wind	1.9 m/s	velocity	7.81	9.09	8.77	8.01	8.39	99.2	8.40	8.38	
Rogers, Jenelle (USA) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	23-Jun-24	time	6.73	12.11	17.79	23.84	23.84	4 / 4			
reaction time		interval		5.38	5.68	6.05		# of strides	12.11	11.73	0.38
wind	1.1 m/s	velocity	7.43	9.29	8.80	8.26	8.39		8.26	8.53	
Liu Guoyi (CHN) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	15-Sep-24	time		11.91	17.53	23.84	23.84	8 / 2			
reaction time	0.208	interval			5.62	6.31	PB	# of strides	11.91	11.93	-0.02
wind	0.9 m/s	velocity		8.40	8.90	7.92	8.39	97.5	8.40	8.38	
Nelson, Kemba (JAM) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Kingston (Kingston, JAM)			Grand Slam Track (2025) - results and splits by race								
date	06-Apr-25	time	6.47	11.77	17.54	23.84	23.84	8 / 4			
reaction time	0.220	interval		5.30	5.77	6.30		# of strides	11.77	12.07	-0.30
wind	-4.7 m/s	velocity	7.73	9.43	8.67	7.94	8.39	104.5	8.50	8.29	
Anderson, Andrea (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1996 USATF National Junior Championships (Delaware, OH)			USATF Women's Sprint Development (1996)								
date	29-Jun-96	time	6.61	11.96	17.56	23.85	23.85	6 / 3			
reaction time		interval		5.35	5.60	6.29		# of strides	11.96	11.89	0.07

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DV=Drug Violation

wind	-1.3 m/s	velocity	7.56	9.35	8.93	7.95	8.39		8.36	8.41	
Akinyemi, Folake (NOR) (1990)											
FINAL - 2012 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx</i>								
date	17-Jun-12	time		12.10		23.85	23.85	/ 3			
reaction time		interval				11.75		# of strides	12.10	11.75	0.35
wind	2.2 m/s	velocity		8.26		4.19	8.39		8.26	8.51	
Kong Lingwei (CHN) (1995)											
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>								
date	03-Aug-19	time	6.57	11.83	17.54	23.85	23.85	4 / 5			
reaction time		interval		5.26	5.71	6.31		# of strides	11.83	12.02	-0.19
wind	0.2 m/s	velocity	7.61	9.51	8.76	7.92	8.39		8.45	8.32	
Oishi, Sayaka (JPN) (1991)											
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>								
date	20-Sep-20	time	6.68	12.11	17.79	23.85	23.85	4 / 1			
reaction time	0.179	interval		5.43	5.68	6.06	PB	# of strides	12.11	11.74	0.37
wind	0.6 m/s	velocity	7.49	9.21	8.80	8.25	8.39		8.26	8.52	
Brooks, Taliyah (USA) (1995)											
Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	19-Aug-23	time		12.02		23.85	23.85	5 / 3			
reaction time	0.144	interval				11.83		# of strides	12.02	11.83	0.19
wind	0.0 m/s	velocity		8.32		8.45	8.39	93.5	8.32	8.45	
Schäfer, Carolin (GER) (1991)											
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	08-Aug-24	time	6.64	12.02	17.67	23.85	23.85	2 / 2			
reaction time	0.154	interval		5.38	5.65	6.18		# of strides	12.02	11.83	0.19
wind	0.4 m/s	velocity	7.53	9.29	8.85	8.09	8.39	96.7	8.32	8.45	
Yosypenko, Lyudmyla (UKR) (1984)											
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	15-Aug-09	time	6.67	12.01	17.64	23.86	23.86	5 / 2			
reaction time	0.177	interval		5.34	5.63	6.22		# of strides	12.01	11.85	0.16
wind	0.0 m/s	velocity	7.50	9.36	8.88	8.04	8.38	96.7	8.33	8.44	
Saito, Ami (JPN) (1999)											
FINAL - 2020 Japanese National Championships (Niigata, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>								
date	03-Oct-20	time	6.61	12.05	17.78	23.86	23.86	4 / 4			
reaction time	0.150	interval		5.44	5.73	6.08		# of strides	12.05	11.81	0.24
wind	-0.1 m/s	velocity	7.56	9.19	8.73	8.22	8.38	103.2	8.30	8.47	
Nyamahunge, Jacent (UGA) (1997)											
Semi-Final 2 - 2022 Commonwealth Games (Birmingham, GBR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Longines Timing (2022) - commonwealth games race analysis</i>								
date	05-Aug-22	time	6.5	11.9	17.6	23.86	23.86	9 / 5			
reaction time	0.193	interval		5.40	5.70	6.26		# of strides	11.90	11.96	-0.06
wind	0.0 m/s	velocity	7.69	9.26	8.77	7.99	8.38	100.0	8.40	8.36	
Rosa, Vitoria Cristina (BRA) (1996)											
Heat 6 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		12.21		23.86	23.86	2 / 8			
reaction time	0.164	interval				11.65		# of strides	12.21	11.65	0.56
wind	-0.3 m/s	velocity		8.19		8.58	8.38	97.0	8.19	8.58	
Bieber, Halle (USA) (2000)											
Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	28-Jun-24	time	6.68	12.07	17.79	23.86	23.86	1 / 9			
reaction time		interval		5.39	5.72	6.07		# of strides	12.07	11.79	0.28
wind	0.6 m/s	velocity	7.49	9.28	8.74	8.24	8.38		8.29	8.48	
Zhang Zhu (CHN) (2000)											
Heat 3 - 2024 Chinese National Grand Prix Final (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
			<i>Shandong Athletics Sport Science (2024)</i>								
date	29-Jun-24	time		12.13	17.80	23.86	23.86	6 / 1			
reaction time	0.191	interval			5.67	6.06		# of strides	12.13	11.73	0.40

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wind	0.0 m/s	velocity	8.24	8.82	8.25	8.38	104.0	8.24	8.53		
Vidts, Noor (BEL) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	08-Aug-24	time	6.61	11.99	17.63	23.86	23.86	8 / 3			
reaction time	0.157	interval		5.38	5.64	6.23		# of strides	11.99	11.87	0.12
wind	0.4 m/s	velocity	7.56	9.29	8.87	8.03	8.38	94.0	8.34	8.42	
Cai Yanting (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2024 Chinese National Championships (Quzhou, CHN)			Shandong Athletics Sport Science (2024)								
date	15-Sep-24	time		12.04	17.78	23.86	23.86	7 / 2			
reaction time	0.174	interval			5.74	6.08		# of strides	12.04	11.82	0.22
wind	1.5 m/s	velocity		8.31	8.71	8.22	8.38	98.5	8.31	8.46	
Atherley, Michelle (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	19-Sep-25	time		11.93		23.86	23.86	4 / 6			
reaction time	0.186	interval				11.93		# of strides	11.93	11.93	0.00
wind	0.4 m/s	velocity		8.38		8.38	8.38	90.5	8.38	8.38	
Slettum, Elisabeth (NOR) (1986)			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		12.12	17.81	23.87	23.87	2 / 2			
reaction time		interval			5.69	6.06		# of strides	12.12	11.75	0.37
wind	1.3 m/s	velocity		8.25	8.79	8.25	8.38		8.25	8.51	
Tymińska, Karolina (POL) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	15-Aug-09	time	6.72	12.04	17.75	23.87	23.87	4 / 3			
reaction time	0.174	interval		5.32	5.71	6.12		# of strides	12.04	11.83	0.21
wind	0.0 m/s	velocity	7.44	9.40	8.76	8.17	8.38	92.5	8.31	8.45	
Wada, Maki (JPN) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)			Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018								
date	22-Sep-18	time	6.43	11.86	17.61	23.87	23.87	7 / 1			
reaction time	0.148	interval		5.43	5.75	6.26		# of strides	11.86	12.01	-0.15
wind	0.2 m/s	velocity	7.78	9.21	8.70	7.99	8.38		8.43	8.33	
Kurashige, Miu (JPN) (2004)			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 championhsips								
date	31-Jul-21	time	6.45	12.03	17.75	23.87	23.87	5 / 3			
reaction time	0.150	interval		5.58	5.72	6.12		# of strides	12.03	11.84	0.19
wind	2.2 m/s	velocity	7.75	8.96	8.74	8.17	8.38		8.31	8.45	
Ndoro, Millicent (KEN) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2022 Commonwealth Games (Birmingham, GBR)			Longines Timing (2022) - commonwealth games race analysis								
date	05-Aug-22	time	6.5	12.0	17.7	23.87	23.87	8 / 6			
reaction time	0.198	interval		5.50	5.70	6.17		# of strides	12.00	11.87	0.13
wind	0.0 m/s	velocity	7.69	9.09	8.77	8.10	8.38	94.0	8.33	8.42	
Lazraq-Khlass, Auriana (FRA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	08-Aug-24	time	6.69	12.05	17.72	23.87	23.87	9 / 3			
reaction time	0.169	interval		5.36	5.67	6.15		# of strides	12.05	11.82	0.23
wind	-0.5 m/s	velocity	7.47	9.33	8.82	8.13	8.38	93.0	8.30	8.46	
Ivery, Lakadron (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)								
date	04-Jul-08	time	6.52	11.78	17.70	23.88	23.88	2 / 6			
reaction time		interval		5.26	5.92	6.18		# of strides	11.78	12.10	-0.32
wind	2.0 m/s	velocity	7.67	9.51	8.45	8.09	8.38		8.49	8.26	
Ichikawa, Kana (JPN) (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	6.69	12.20	17.84	23.88	23.88	8 / 8			
reaction time		interval		5.51	5.64	6.04		# of strides	12.20	11.68	0.52

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wind	1.0 m/s	velocity	7.47	9.07	8.87	8.28	8.38		8.20	8.56	
Hosoya, Yumi (JPN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Ready Steady Tokyo (Tokyo, JPN)			<i>Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season</i>								
date	09-May-21	time	6.58	12.05	17.75	23.88	23.88	7 / 1			
reaction time	0.160	interval		5.47	5.70	6.13	PB	# of strides	12.05	11.83	0.22
wind	0.3 m/s	velocity	7.60	9.14	8.77	8.16	8.38	104.2	8.30	8.45	
Ma Chengna (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			<i>Shandong Athletics Sport Science (2023)</i>								
date	28-Jun-23	time		11.61	17.30	23.88	23.88	3 / 4			
reaction time	0.181	interval			5.69	6.58	PB	# of strides	11.61	12.27	-0.66
wind	0.5 m/s	velocity		8.61	8.79	7.60	8.38	100.0	8.61	8.15	
Weissenberg, Sophie (GER) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	19-Aug-23	time		12.27		23.88	23.88	7 / 4			
reaction time	0.193	interval				11.61		# of strides	12.27	11.61	0.66
wind	0.0 m/s	velocity		8.15		8.61	8.38	93.0	8.15	8.61	
Kälin, Annik (SUI) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	08-Aug-24	time	6.46	11.87	17.64	23.88	23.88	2 / 4			
reaction time	0.172	interval		5.41	5.77	6.24		# of strides	11.87	12.01	-0.14
wind	-0.5 m/s	velocity	7.74	9.24	8.67	8.01	8.38	99.0	8.42	8.33	
Xie Fuyu (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Chinese National Championships (Quzhou, CHN)			<i>Shandong Athletics Sport Science (2024)</i>								
date	15-Sep-24	time		11.94	17.60	23.88	23.88	5 / 3			
reaction time	0.195	interval			5.66	6.28		# of strides	11.94	11.94	0.00
wind	0.9 m/s	velocity		8.38	8.83	7.96	8.38	102.0	8.38	8.38	
Liu Yinglan (CHN) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2024 Chinese National Championships (Quzhou, CHN)			<i>Shandong Athletics Sport Science (2024)</i>								
date	15-Sep-24	time		12.12	17.84	23.88	23.88	5 / 3			
reaction time	0.195	interval			5.72	6.04		# of strides	12.12	11.76	0.36
wind	1.5 m/s	velocity		8.25	8.74	8.28	8.38	94.5	8.25	8.50	
Maeyama, Miyu (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Japanese National Championships (Osaka, JPN)			<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
date	25-Jun-17	time	6.48	11.92	17.60	23.89	23.89	2 / 4			
reaction time	0.181	interval		5.44	5.68	6.29		# of strides	11.92	11.97	-0.05
wind	-0.2 m/s	velocity	7.72	9.19	8.80	7.95	8.37		8.39	8.35	
Aono, Shuri (JPN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)			<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>								
date	05-Aug-18	time	6.65	12.15	17.76	23.89	23.89	4 / 2			
reaction time		interval		5.50	5.61	6.13		# of strides	12.15	11.74	0.41
wind	0.8 m/s	velocity	7.52	9.09	8.91	8.16	8.37		8.23	8.52	
Yamagata, Aiha (JPN) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)			<i>Shibayama (2021) - national high school and U20 national championships</i>								
date	31-Jul-21	time	6.60	12.23	17.90	23.89	23.89	6 / 4			
reaction time	0.187	interval		5.63	5.67	5.99		# of strides	12.23	11.66	0.57
wind	2.2 m/s	velocity	7.58	8.88	8.82	8.35	8.37		8.18	8.58	
Dokter, Sofie (NED) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	19-Aug-23	time		12.44		23.89	23.89	9 / 5			
reaction time	0.157	interval				11.45		# of strides	12.44	11.45	0.99
wind	0.0 m/s	velocity		8.04		8.73	8.37	98.0	8.04	8.73	
Hall, Anna (USA) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA)			<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	08-Aug-24	time	6.66	12.03	17.70	23.89	23.89	3 / 4			
reaction time	0.218	interval		5.37	5.67	6.19		# of strides	12.03	11.86	0.17

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wind	0.4 m/s	velocity	7.51	9.31	8.82	8.08	8.37	91.7	8.31	8.43	
Neita, Daryll (GBR) (1996)											
Short Sprints - 2025 Grand Slam Track Kingston (Kingston, JAM)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Grand Slam Track (2025) - results and splits by race</i>											
date	06-Apr-25	time	6.43	11.58	17.45	23.89	23.89	5 / 5			
reaction time	0.200	interval		5.15	5.87	6.44		# of strides	11.58	12.31	-0.73
wind	-4.7 m/s	velocity	7.78	9.71	8.52	7.76	8.37	95.5	8.64	8.12	
Grace, Carla (USA) (1986)											
FINAL - 2005 USATF National Junior Championships (Carson, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2005)</i>											
date	24-Jun-05	time		11.93	17.67	23.90	23.90	3 / 8			
reaction time		interval			5.74	6.23		# of strides	11.93	11.97	-0.04
wind	0.6 m/s	velocity		8.38	8.71	8.03	8.37		8.38	8.35	
Wittstock, Estie (RSA) (1980)											
FINAL - 2012 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>											
date	17-Jun-12	time		12.21		23.90	23.90	/ 4			
reaction time		interval				11.69		# of strides	12.21	11.69	0.52
wind	2.2 m/s	velocity		8.19		4.18	8.37		8.19	8.55	
Kageyama, Sakiho (JPN) (2002)											
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>											
date	30-Jun-19	time	6.56	12.12	17.84	23.90	23.90	4 / 2			
reaction time	0.162	interval		5.56	5.72	6.06	PB	# of strides	12.12	11.78	0.34
wind	-0.4 m/s	velocity	7.62	8.99	8.74	8.25	8.37	108.0	8.25	8.49	
van Vliet, Leonie (NED) (1993)											
FINAL - 2021 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	6.6	12.0	17.8	23.90	23.90	1 / 8			
reaction time	0.232	interval		5.40	5.80	6.10		# of strides	12.00	11.90	0.10
wind	2.5 m/s	velocity	7.58	9.26	8.62	8.20	8.37	96.0	8.33	8.40	
Cai Yanting (CHN) (2000)											
FINAL - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shandong Athletics Sport Science (2023)</i>											
date	29-Jun-23	time		12.16	17.87	23.90	23.90	5 / 2			
reaction time	0.214	interval			5.71	6.03		# of strides	12.16	11.74	0.42
wind	0.5 m/s	velocity		8.22	8.76	8.29	8.37	99.7	8.22	8.52	
Hall, Anna (USA) (2001)											
Heptathlon - Heat 2 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	23-Jun-24	time	6.56	12.11	17.79	23.90	23.90	9 / 1			
reaction time		interval		5.55	5.68	6.11		# of strides	12.11	11.79	0.32
wind	1.1 m/s	velocity	7.62	9.01	8.80	8.18	8.37		8.26	8.48	
Danešcková, Silvie (CZE) (2007)											
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.66	12.11	16.96	23.90	23.90	8 / 5			
reaction time	0.149	interval		5.45	4.85	6.94		# of strides	12.11	11.79	0.32
wind	-2.0 m/s	velocity	7.51	9.17	10.31	7.20	8.37	104.0	8.26	8.48	
Fukushima, Chisato (JPN) (1988)											
FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>											
date	03-May-17	time	6.44	11.83	17.62	23.91	23.91	5 / 1			
reaction time		interval		5.39	5.79	6.29		# of strides	11.83	12.08	-0.25
wind	-0.5 m/s	velocity	7.76	9.28	8.64	7.95	8.36		8.45	8.28	
Imai, Saori (JPN) (1990)											
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>											
date	21-May-17	time	6.67	12.20	17.86	23.91	23.91	1 / 7			
reaction time	0.165	interval		5.53	5.66	6.05		# of strides	12.20	11.71	0.49
wind	0.6 m/s	velocity	7.50	9.04	8.83	8.26	8.36	99.0	8.20	8.54	
Martins, Lorraine (BRA) (2000)											
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>											
date	14-Jul-18	time	6.65	12.16	17.80	23.91	23.91	2 / ~~8~~ 7			
reaction time	0.169	interval		5.51	5.64	6.11		# of strides	12.16	11.75	0.41

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

wind	-0.1 m/s	velocity	7.52	9.07	8.87	8.18	8.36		8.22	8.51	
Cai Yanting (CHN) (2000)											
Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>CAA Hurdle Development (2021)</i>			
date	12-Jun-21	time	11.90	23.91	23.91	5 / 3					
reaction time	0.154	interval		12.01		# of strides		11.90	12.01	-0.11	
wind	-0.4 m/s	velocity	8.40	8.33	8.36	99.0		8.40	8.33		
Oishi, Sayaka (JPN) (1991)											
Race 2 - 2020 World Athletics Trials (Fuji, JPN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>			
date	06-Sep-20	time	6.56	11.92	17.67	23.91	23.91	4 / 2			
reaction time		interval	5.36	5.75	6.24		# of strides	11.92	11.99	-0.07	
wind	-0.7 m/s	velocity	7.62	9.33	8.70	8.01	8.36	8.39	8.34		
Bürgi, Céline (SUI) (1999)											
FINAL - 2022 Athletissima (Lausanne, SUI)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	26-Aug-22	time	6.4	11.7	17.4	23.91	23.91	7 / 4			
reaction time	0.132	interval	5.30	5.70	6.51		# of strides	11.70	12.21	-0.51	
wind	-0.9 m/s	velocity	7.81	9.43	8.77	7.68	8.36	8.55	8.19		
Liu Yinglan (CHN) (2005)											
FINAL - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Shandong Athletics Sport Science (2023)</i>			
date	29-Jun-23	time	12.26	17.98	23.91	23.91	7 / 3				
reaction time	0.196	interval		5.72	5.93		# of strides	12.26	11.65	0.61	
wind	0.5 m/s	velocity	8.16	8.74	8.43	8.36	96.7	8.16	8.58		
Kobari, Akiha (JPN) (2006)											
FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Takashima (2024) - national high school sports festival - biomechanics data</i>			
date	31-Jul-24	time	6.49	12.05	17.78	23.91	23.91	8 / 2			
reaction time	0.171	interval	5.56	5.73	6.13		# of strides	12.05	11.86	0.19	
wind	1.1 m/s	velocity	7.70	8.99	8.73	8.16	8.36	8.30	8.43		
Kong Lingyao (CHN) (1997)											
Semi-Final 2 - 2024 Chinese National Championships (Quzhou, CHN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Shandong Athletics Sport Science (2024)</i>			
date	15-Sep-24	time	12.22	17.94	23.91	23.91	4 / 4				
reaction time	0.173	interval		5.72	5.97	PB	# of strides	12.22	11.69	0.53	
wind	1.5 m/s	velocity	8.18	8.74	8.38	8.36	98.5	8.18	8.55		
Jacobs, Bente (NED) (2007)											
Semi-Final 1 - 2025 European Athletics U20 Championships (Tampere, FIN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>			
date	09-Aug-25	time	6.88	12.34	17.92	23.91	23.91	2 / 7			
reaction time	0.180	interval	5.46	5.58	5.99		# of strides	12.34	11.57	0.77	
wind	1.1 m/s	velocity	7.27	9.16	8.96	8.35	8.36	8.10	8.64		
Miller, Scottesha (USA) (1988)											
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	04-Jul-08	time	6.62	12.11	17.66	23.92	23.92	5 / 6			
reaction time		interval	5.49	5.55	6.26		# of strides	12.11	11.81	0.30	
wind	1.4 m/s	velocity	7.55	9.11	9.01	7.99	8.36	8.26	8.47		
Slettum, Elisabeth (NOR) (1986)											
A FINAL - 2015 Windsprint (Sundsvall, SWE)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>(2015) - www.windsprint/Splittider/</i>			
date	26-Jul-15	time	12.27		23.92	23.92	6 / 3				
reaction time		interval			11.65		# of strides	12.27	11.65	0.62	
wind	0.8 m/s	velocity	8.15		8.58	8.36		8.15	8.58		
Kora, Salomé (SUI) (1994)											
FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>			
date	21-May-16	time	11.88	17.58	23.92	23.92	/ 2				
reaction time		interval		5.70	6.34		# of strides	11.88	12.04	-0.16	
wind	0.6m/s	velocity	8.42	8.77	7.89	8.36		8.42	8.31		
Yamada, Miki (JPN) (1999)											
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
								<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>			
date	24-Jun-18	time	6.71	12.15	17.79	23.92	23.92	3 / 3			
reaction time	0.176	interval	5.44	5.64	6.13	PB	# of strides	12.15	11.77	0.38	

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wind	1.1 m/s	velocity	7.45	9.19	8.87	8.16	8.36		8.23	8.50	
Davis, Courtney (USA) (1996)											
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2019) - race analysis</i>											
date	10-Sep-19	time		12.02		23.92	23.92	3 / 8			
reaction time	0.205	interval				11.90		# of strides	12.02	11.90	0.12
wind	-0.1 m/s	velocity		8.32		8.40	8.36	92.5	8.32	8.40	
Vidts, Noor (BEL) (1996)											
Heptathlon - Heat 2	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	17-Jul-22	time		12.26		23.92	23.92	7 / 5			
reaction time	0.166	interval				11.66		# of strides	12.26	11.66	0.60
wind	1.4 m/s	velocity		8.16		8.58	8.36	94.0	8.16	8.58	
Kageyama, Sakiho (JPN) (2002)											
FINAL	- 2018 Japanese National High School Championships (Nagoya, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>											
date	05-Aug-18	time	6.57	12.19	17.93	23.93	23.93	6 / 3			
reaction time		interval		5.62	5.74	6.00	PB	# of strides	12.19	11.74	0.45
wind	0.8 m/s	velocity	7.61	8.90	8.71	8.33	8.36		8.20	8.52	
Satou, Aoi (JPN) (2004)											
FINAL	- 2021 Japanese High School National Championships (Fukui, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shibayama (2021) - national high school and U20 national championships</i>											
date	31-Jul-21	time	6.65	12.27	17.93	23.93	23.93	8 / 5			
reaction time	0.177	interval		5.62	5.66	6.00		# of strides	12.27	11.66	0.61
wind	2.2 m/s	velocity	7.52	8.90	8.83	8.33	8.36		8.15	8.58	
Nilsson, Pernilla (SWE) (1992)											
A FINAL	- 2014 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		12.16		23.94	23.94	2 / 3			
reaction time		interval				11.78		# of strides	12.16	11.78	0.38
wind	2.7 m/s	velocity		8.22		8.49	8.35		8.22	8.49	
Li Yuting (CHN) (2002)											
Heat 1	- 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shandong Athletics Sport Science (2023)</i>											
date	28-Jun-23	time		11.98	17.67	23.94	23.94	4 / 2			
reaction time	0.181	interval			5.69	6.27		# of strides	11.98	11.96	0.02
wind	0.2 m/s	velocity		8.35	8.79	7.97	8.35	90.0	8.35	8.36	
Harmon, Donita (USA) (1983)											
FINAL	- 2008 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>											
date	06-Jul-08	time		12.14	17.86	23.95	23.95	6 / 3			
reaction time		interval			5.72	6.09		# of strides	12.14	11.81	0.33
wind	1.3 m/s	velocity		8.24	8.74	8.21	8.35		8.24	8.47	
Ge Manqi (CHN) (1997)											
Heat 1	- 2020 Chinese Olympic Trials (Shaoxing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>CAA Hurdle Development (2021)</i>											
date	12-Jun-21	time		11.78	17.50	23.95	23.95	4 / 4			
reaction time	0.163	interval			5.72	6.45		# of strides	11.78	12.17	-0.39
wind	-0.2 m/s	velocity		8.49	8.74	7.75	8.35	93.2	8.49	8.22	
Njaoe, Wurrie (GAM) (1997)											
Semi-Final 2	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	05-Aug-22	time	6.5	12.0	17.6	23.95	23.95	2 / 7			
reaction time	0.170	interval		5.50	5.60	6.35		# of strides	12.00	11.95	0.05
wind	0.0 m/s	velocity	7.69	9.09	8.93	7.87	8.35	95.0	8.33	8.37	
McMullen, Avery (USA) (2000)											
Heptathlon - Heat 3	- 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	23-Jun-24	time	6.65	12.22	17.91	23.95	23.95	7 / 1			
reaction time		interval		5.57	5.69	6.04		# of strides	12.22	11.73	0.49
wind	1.8 m/s	velocity	7.52	8.98	8.79	8.28	8.35		8.18	8.53	
Kruse Jørgensen, Amaya (DEN) (2006)											
Semi-Final 1	- 2025 European Athletics U20 Championships (Tampere, FIN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.70	12.07	17.72	23.95	23.95	3 / 8			
reaction time	0.171	interval		5.37	5.65	6.23	PB	# of strides	12.07	11.88	0.19

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wind	1.1 m/s	velocity	7.46	9.31	8.85	8.03	8.35		8.29	8.42	
Saito, Ami (JPN) (1999)											
B FINAL	- 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)										<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>
date	03-May-16	time	6.78	12.31	17.92	23.96	23.96	/ 1			
reaction time		interval		5.53	5.61	6.04	PB	# of strides	12.31	11.65	0.66
wind	0.5 m/s	velocity	7.37	9.04	8.91	8.28	8.35		8.12	8.58	
Nagano, Mariko (JPN) (1994)											
FINAL	- 2016 Japanese National Championships (Nagoya, JPN)										<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>
date	26-Jun-16	time	6.57	12.00	17.71	23.96	23.96	/ 5			
reaction time		interval		5.43	5.71	6.25	PB	# of strides	12.00	11.96	0.04
wind	1.8 m/s	velocity	7.61	9.21	8.76	8.00	8.35		8.33	8.36	
Adachi, Marin (JPN) (2003)											
FINAL	- 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	6.67	12.15	17.84	23.96	23.96	3 / 2			
reaction time	0.164	interval		5.48	5.69	6.12		# of strides	12.15	11.81	0.34
wind	4.3 m/s	velocity	7.50	9.12	8.79	8.17	8.35	109.1	8.23	8.47	
Liu Yinglan (CHN) (2005)											
Heat 4	- 2021 Chinese National Championships (Chongqing, CHN)										<i>CAA Hurdle Development (2021)</i>
date	27-Jun-21	time	6.26	12.33	18.02	23.96	23.96	2 / 3			
reaction time	0.213	interval		6.07	5.69	5.94		# of strides	12.33	11.63	0.70
wind	0.5 m/s	velocity	7.99	8.24	8.79	8.42	8.35	97.5	8.11	8.60	
Sugimoto, Miu (JPN) (2006)											
FINAL	- 2023 Japanese U20 National Championships (Osaka, JPN)										<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>
date	02-Aug-23	time	6.70	12.25	17.99	23.96	23.96	6 / 1			
reaction time	0.162	interval		5.55	5.74	5.97	PB	# of strides	12.25	11.71	0.54
wind	-0.5 m/s	velocity	7.46	9.01	8.71	8.38	8.35	101.7	8.16	8.54	
Kurashige, Miu (JPN) (2004)											
FINAL	- 2023 Japanese U20 National Championships (Osaka, JPN)										<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>
date	02-Aug-23	time	6.49	11.91	17.70	23.96	23.96	5 / 2			
reaction time	0.160	interval		5.42	5.79	6.26		# of strides	11.91	12.05	-0.14
wind	-0.5 m/s	velocity	7.70	9.23	8.64	7.99	8.35	99.0	8.40	8.30	
Cai Yanting (CHN) (2000)											
Heat 3	- 2024 Chinese National Grand Prix Final (Rizhao, CHN)										<i>Shandong Athletics Sport Science (2024)</i>
date	29-Jun-24	time		12.19	17.93	23.96	23.96	7 / 2			
reaction time	0.179	interval			5.74	6.03		# of strides	12.19	11.77	0.42
wind	0.0 m/s	velocity		8.20	8.71	8.29	8.35	100.0	8.20	8.50	
Vincente, María (ESP) (2001)											
Heptathlon - Heat 2	- 2025 World Athletics Championships (Tokyo, JPN)										<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>
date	19-Sep-25	time		11.94		23.96	23.96	6 / 1			
reaction time	0.161	interval				12.02		# of strides	11.94	12.02	-0.08
wind	-0.3 m/s	velocity		8.38		8.32	8.35	96.0	8.38	8.32	
Okabe, Nao (JPN) (1988)											
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)										<i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>
date	12-Jun-11	time	6.53	11.96	17.76	23.97	23.97	/ 3			
reaction time		interval		5.43	5.80	6.21		# of strides	11.96	12.01	-0.05
wind	-0.7 m/s	velocity	7.66	9.21	8.62	8.05	8.34		8.36	8.33	
Imai, Saori (JPN) (1990)											
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)										<i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>
date	12-Jun-11	time	6.62	12.03	17.82	23.97	23.97	/ 4			
reaction time		interval		5.41	5.79	6.15		# of strides	12.03	11.94	0.09
wind	-0.7 m/s	velocity	7.55	9.24	8.64	8.13	8.34		8.31	8.38	
Schmidová, Martina (CZE) (1990)											
FINAL	- 2013 Czech Republic National Championships (Tábor, CZE)										<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>
date	16-Jun-13	time	6.72	12.53	17.84	23.97	23.97	7 / 4			
reaction time	0.241	interval		5.81	5.31	6.13	PB	# of strides	12.53	11.44	1.09

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DV=Drug Violation

wind	0.3 m/s	velocity	7.44	8.61	9.42	8.16	8.34		7.98	8.74	
Atherley, Michelle (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)							Timing by Seiko (2022) - world athletics championships race analysis				
date	17-Jul-22	time		12.09		23.97	23.97	1 / 6			
reaction time	0.134	interval				11.88		# of strides	12.09	11.88	0.21
wind	1.4 m/s	velocity		8.27		8.42	8.34	91.0	8.27	8.42	
Yamagata, Aiha (JPN) (2005)			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	6.56	12.14	17.86	23.97	23.97	5 / 1			
reaction time	0.257	interval		5.58	5.72	6.11		# of strides	12.14	11.83	0.31
wind	0.2 m/s	velocity	7.62	8.96	8.74	8.18	8.34		8.24	8.45	
Aono, Akari (JPN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)							Kota (2017) - 70th high school championships: JAF scientific committee				
date	01-Aug-17	time	6.69	12.26	17.85	23.98	23.98	7 / 1			
reaction time	0.158	interval		5.57	5.59	6.13		# of strides	12.26	11.72	0.54
wind	-0.2 m/s	velocity	7.47	8.98	8.94	8.16	8.34		8.16	8.53	
Mimura, Naomi (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)							Ryuma (2019) - research on athlete performance and technique- 2019 data book				
date	20-Oct-19	time	6.80	12.28	17.93	23.98	23.98	3 / 1			
reaction time	0.245	interval		5.48	5.65	6.05		# of strides	12.28	11.70	0.58
wind	-0.8 m/s	velocity	7.35	9.12	8.85	8.26	8.34	101.0	8.14	8.55	
Liao Mengxue (CHN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2021 Chinese National Championships (Chongqing, CHN)							CAA Hurdle Development (2021)				
date	27-Jun-21	time	6.18	12.15	17.87	23.98	23.98	6 / 1			
reaction time	0.249	interval		5.97	5.72	6.11		# of strides	12.15	11.83	0.32
wind	0.8 m/s	velocity	8.09	8.38	8.74	8.18	8.34	99.5	8.23	8.45	
Ma Chengna (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2024 Chinese National Championships (Quzhou, CHN)							Shandong Athletics Sport Science (2024)				
date	15-Sep-24	time		11.79	17.52	23.98	23.98	4 / 4			
reaction time	0.149	interval			5.73	6.46		# of strides	11.79	12.19	-0.40
wind	0.9 m/s	velocity		8.48	8.73	7.74	8.34	98.0	8.48	8.20	
Dorobisz, Iwona (POL) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 Windsprint (Sundsvall, SWE)							(2007) - www.ssg.se/en/Windsprint/Split-times/				
date	24-Jul-07	time		12.03	17.72	23.99	23.99	6 / 1			
reaction time		interval			5.69	6.27		# of strides	12.03	11.96	0.07
wind	0.6 m/s	velocity		8.31	8.79	7.97	8.34		8.31	8.36	
Hejnová, Zuzana (CZE) (1986)			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	6.74	12.15	17.83	23.99	23.99	4 / 1			
reaction time	0.156	interval		5.41	5.68	6.16		# of strides	12.15	11.84	0.31
wind	-0.3 m/s	velocity	7.42	9.24	8.80	8.12	8.34		8.23	8.45	
Busk, Daniella (SWE) (1993)			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		12.18	17.82	23.99	23.99	6 / 4			
reaction time		interval			5.64	6.17		# of strides	12.18	11.81	0.37
wind	-0.1 m/s	velocity		8.21	8.87	8.10	8.34		8.21	8.47	
Pierre, Barbara (USA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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	6.32	11.69	17.52	23.99	23.99	/ 1			
reaction time		interval		5.37	5.83	6.47		# of strides	11.69	12.30	-0.61
wind	-1.5 m/s	velocity	7.91	9.31	8.58	7.73	8.34		8.55	8.13	
Takita, Izumi (JPN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Ready Steady Tokyo (Tokyo, JPN)							Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season				
date	09-May-21	time	6.70	12.19	17.86	23.99	23.99	5 / 2			
reaction time	0.133	interval		5.49	5.67	6.13	PB	# of strides	12.19	11.80	0.39

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DV=Drug Violation

wind	0.3 m/s	velocity	7.46	9.11	8.82	8.16	8.34	104.7	8.20	8.47	
Harris, Flirtisha (USA) (1972)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time		12.07	17.80	24.00	24.00	8 / 7			
reaction time		interval			5.73	6.20		# of strides	12.07	11.93	0.14
wind	0.5 m/s	velocity		8.29	8.73	8.06	8.33		8.29	8.38	
Smith, Stephanie (USA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)			<i>USATF Women's Sprint Development (2003)</i>								
date	21-Jun-03	time	6.92	12.46	18.07	24.00	24.00	3 / 5			
reaction time		interval		5.54	5.61	5.93		# of strides	12.46	11.54	0.92
wind	-1.5 m/s	velocity	7.23	9.03	8.91	8.43	8.33		8.03	8.67	
Aruhn, Lena (SWE) (1970)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 Windsprint (Sundsvall, SWE)			<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>								
date	24-Jul-07	time		12.15	17.87	24.00	24.00	5 / 2			
reaction time		interval			5.72	6.13		# of strides	12.15	11.85	0.30
wind	0.6 m/s	velocity		8.23	8.74	8.16	8.33		8.23	8.44	
Günther, Leena (GER) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Junior Championships (Ulm, GER)			<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>								
date	07-Aug-10	time		12.27	17.97	24.00	24.00	/ 1			
reaction time		interval			5.70	6.03	PB	# of strides	12.27	11.73	0.54
wind	-0.1 m/s	velocity		8.15	8.77	8.29	8.33		8.15	8.53	
Sasaki, Azusa (JPN) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)			<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>								
date	01-Aug-16	time	6.44	12.04	17.80	24.00	24.00	6 / 2			
reaction time	0.153	interval		5.60	5.76	6.20	PB	# of strides	12.04	11.96	0.08
wind	1.2 m/s	velocity	7.76	8.93	8.68	8.06	8.33		8.31	8.36	
Tong Zenghuan (CHN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2021 Chinese National Championships (Chongqing, CHN)			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time	6.23	12.23	17.88	24.00	24.00	3 / 1			
reaction time	0.329	interval		6.00	5.65	6.12		# of strides	12.23	11.77	0.46
wind	0.9 m/s	velocity	8.03	8.33	8.85	8.17	8.33	99.7	8.18	8.50	
Furuhaug, Malin (NOR) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2025 Bislett Games (Oslo, NOR)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	12-Jun-25	time	6.51	11.97	17.69	24.00	24.00	3 / 2			
reaction time	0.160	interval		5.46	5.72	6.31	PB	# of strides	11.97	12.03	-0.06
wind	1.0 m/s	velocity	7.68	9.16	8.74	7.92	8.33		8.35	8.31	
Tonazzi, Milla (SUI) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18/U20 FINAL - 2025 Athletissima (Lausanne, SUI)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	20-Aug-25	time	6.59	11.91	17.64	24.00	24.00	5 / 1			
reaction time	0.145	interval		5.32	5.73	6.36		# of strides	11.91	12.09	-0.18
wind	0.1 m/s	velocity	7.59	9.40	8.73	7.86	8.33		8.40	8.27	
Tian Yumei (CHN) (1965)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1990 Asian Games (Beijing, CHN)			<i>Feng (1992) - Beijing asian games women's 100m, 200m, 400m technical analysis</i>								
date	02-Oct-90	time		12.02	17.78	23.98	24.01	/ 3			
reaction time		interval			5.76	6.20		# of strides	12.02	11.96	0.06
wind	-1.0 m/s	velocity		8.32	8.68	8.06	8.33		8.32	8.36	
Ivery, Lakadron (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)			<i>USATF Women's Sprint Development (2004)</i>								
date	17-Jul-04	time	6.59	12.00	17.68	24.01	24.01	8 / 5			
reaction time		interval		5.41	5.68	6.33		# of strides	12.00	12.01	-0.01
wind	-1.2 m/s	velocity	7.59	9.24	8.80	7.90	8.33	95.0	8.33	8.33	
Ichikawa, Kana (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.73	12.22	17.88	24.01	24.01	6 / 2			
reaction time		interval		5.49	5.66	6.13		# of strides	12.22	11.79	0.43

wind	1.7 m/s	velocity	7.43	9.11	8.83	8.16	8.33	96.7	8.18	8.48
Fukushima, Chisato (JPN) (1988)										
FINAL	- 2017 Japanese National Championships (Osaka, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	25-Jun-17	time	6.41	11.76	17.55	24.01	24.01	5 / 5		
reaction time	0.160	interval		5.35	5.79	6.46		# of strides	11.76	12.25
wind	-0.2 m/s	velocity	7.80	9.35	8.64	7.74	8.33		8.50	8.16
Collins, Shania (LBR) (1996)										
FINAL	- 2018 NCAA Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	09-Jun-18	time		11.6		24.0	24.01	/ 8		
reaction time		interval				12.40		# of strides	11.60	12.40
wind	-2.3 m/s	velocity		8.62		8.06	8.33		8.62	8.06
Aoyama, Hanae (JPN) (2002)										
FINAL	- 2020 Japanese U20 National Championships (Hiroshima, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	25-Oct-20	time	6.71	12.26	17.89	24.01	24.01	4 / 3		
reaction time	0.180	interval		5.55	5.63	6.12		# of strides	12.26	11.75
wind	4.3 m/s	velocity	7.45	9.01	8.88	8.17	8.33	101.6	8.16	8.51
Canovi, Viola (ITA) (2008)										
FINAL	- 2025 European Athletics U20 Championships (Tampere, FIN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	09-Aug-25	time	6.66	12.16	17.86	24.01	24.01	3 / 6		
reaction time	0.134	interval		5.50	5.70	6.15		# of strides	12.16	11.85
wind	-2.0 m/s	velocity	7.51	9.09	8.77	8.13	8.33	95.5	8.22	8.44
Davis, Jessica (USA) (1992)										
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	22-Jun-08	time		11.93	17.78	24.02	24.02	9 / 5		
reaction time		interval			5.85	6.24		# of strides	11.93	12.09
wind	-2.4 m/s	velocity		8.38	8.55	8.01	8.33		8.38	8.27
Doi, Anna (JPN) (1995)										
FINAL	- 2015 Mikio Oda Memorial (Hiroshima, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	18-Apr-15	time	6.58	12.05	17.78	24.02	24.02	5 / 3		
reaction time		interval		5.47	5.73	6.24		# of strides	12.05	11.97
wind	1.7 m/s	velocity	7.60	9.14	8.73	8.01	8.33	106.2	8.30	8.35
Mimura, Kanami (JPN) (2001)										
FINAL	- 2018 Japanese National High School Championships (Nagoya, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Aug-18	time	6.58	12.07	17.82	24.02	24.02	7 / 4		
reaction time		interval		5.49	5.75	6.20	PB	# of strides	12.07	11.95
wind	0.8 m/s	velocity	7.60	9.11	8.70	8.06	8.33		8.29	8.37
Lazraq, Auriana (FRA) (1999)										
Heptathlon - Heat 2	- 2023 World Athletics Championships (Budapest, HUN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	19-Aug-23	time		12.27		24.02	24.02	8 / 1		
reaction time	0.186	interval				11.75	PB	# of strides	12.27	11.75
wind	-0.1 m/s	velocity		8.15		8.51	8.33	93.5	8.15	8.51
Brooks, Taliyah (USA) (1995)										
Heptathlon - Heat 3	- 2024 Olympic Games (Paris, FRA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	08-Aug-24	time	6.55	11.98	17.76	24.02	24.02	6 / 5		
reaction time	0.142	interval		5.43	5.78	6.26		# of strides	11.98	12.04
wind	-0.5 m/s	velocity	7.63	9.21	8.65	7.99	8.33	94.0	8.35	8.31
Reid, Alana (JAM) (2005)										
Short Sprints	- 2025 Grand Slam Track Kingston (Kingston, JAM)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Apr-25	time	6.51	11.80	17.69	24.02	24.02	2 / 6		
reaction time	0.220	interval		5.29	5.89	6.33		# of strides	11.80	12.22
wind	-4.7 m/s	velocity	7.68	9.45	8.49	7.90	8.33	94.2	8.47	8.18
Šafařová, Johanka (CZE) (2007)										
Semi-Final 3	- 2025 European Athletics U20 Championships (Tampere, FIN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	09-Aug-25	time	6.69	12.15	17.86	24.02	24.02	6 / 5		
reaction time	0.162	interval		5.46	5.71	6.16		# of strides	12.15	11.87

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DV=Drug Violation

wind	0.2 m/s	velocity	7.47	9.16	8.76	8.12	8.33		8.23	8.42	
Uba, Rufina (NGR) (1959)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1985 World Cup (Canberra, AUS)											Veney - 200m women from PJ
date	04-Oct-85	time		12.2		24.03	24.03	2 / 7			
reaction time		interval				11.83		# of strides	12.20	11.83	0.37
wind	-0.7 m/s	velocity		8.20		8.45	8.32		8.20	8.45	
Rhett, Amandi (USA) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)											USATF Women's Sprint Development (2004)
date	16-Jul-04	time	6.54	11.98	17.71	24.03	24.03	4 / 5			
reaction time		interval		5.44	5.73	6.32		# of strides	11.98	12.05	-0.07
wind	-0.6 m/s	velocity	7.65	9.19	8.73	7.91	8.32	107.0	8.35	8.30	
Ichikawa, Kana (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)											Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018
date	03-May-18	time	6.62	12.00	17.69	24.03	24.03	6 / 4			
reaction time	0.165	interval		5.38	5.69	6.34		# of strides	12.00	12.03	-0.03
wind	1.1 m/s	velocity	7.55	9.29	8.79	7.89	8.32	99.0	8.33	8.31	
Yoshida, Sayumi (JPN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Race 2 - 2020 World Athletics Trials (Fuji, JPN)											Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020
date	06-Sep-20	time	6.65	12.04	17.80	24.03	24.03	6 / 3			
reaction time		interval		5.39	5.76	6.23	PB	# of strides	12.04	11.99	0.05
wind	-0.7 m/s	velocity	7.52	9.28	8.68	8.03	8.32		8.31	8.34	
Ishikawa, Yu (JPN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Race 2 - 2020 World Athletics Trials (Fuji, JPN)											Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020
date	06-Sep-20	time	6.59	11.98	17.76	24.03	24.03	2 / 4			
reaction time		interval		5.39	5.78	6.27	PB	# of strides	11.98	12.05	-0.07
wind	-0.7 m/s	velocity	7.59	9.28	8.65	7.97	8.32		8.35	8.30	
Aoyama, Seika (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)											Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020
date	20-Sep-20	time	6.74	12.23	17.97	24.03	24.03	7 / 2			
reaction time	0.170	interval		5.49	5.74	6.06		# of strides	12.23	11.80	0.43
wind	0.6 m/s	velocity	7.42	9.11	8.71	8.25	8.32		8.18	8.47	
Ma Chengna (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2023 Chinese National Grand Prix 3 (Taizhou, CHN)											Shandong Athletics Sport Science (2023)
date	27-May-23	time		11.68	17.50	24.03	24.03	5 / 1			
reaction time	0.170	interval			5.82	6.53		# of strides	11.68	12.35	-0.67
wind	-2.0 m/s	velocity		8.56	8.59	7.66	8.32	100.2	8.56	8.10	
Lin Xinyi (CHN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)											Shandong Athletics Sport Science (2023)
date	28-Jun-23	time		11.76	17.57	24.03	24.03	6 / 5			
reaction time	0.150	interval			5.81	6.46		# of strides	11.76	12.27	-0.51
wind	0.5 m/s	velocity		8.50	8.61	7.74	8.32	105.0	8.50	8.15	
Nesbitt, Cheyenne (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2024 USA Olympic Trials (Eugene, OR)											USATF and Karmarush (2024) - USA Olympic trials results and race analysis
date	23-Jun-24	time	6.55	12.07	17.79	24.03	24.03	4 / 2			
reaction time		interval		5.52	5.72	6.24		# of strides	12.07	11.96	0.11
wind	1.1 m/s	velocity	7.63	9.06	8.74	8.01	8.32		8.29	8.36	
Feng Lulu (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Grand Prix Final (Rizhao, CHN)											Shandong Athletics Sport Science (2024)
date	30-Jun-24	time		12.08	17.77	24.03	24.03	2 / 5			
reaction time	0.173	interval			5.69	6.26		# of strides	12.08	11.95	0.13
wind	0.3 m/s	velocity		8.28	8.79	7.99	8.32	106.0	8.28	8.37	
Oosterwegel, Emma (NED) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)											Seiko Timing (2025) - 2025 World Championships race analysis
date	19-Sep-25	time		12.29		24.03	24.03	9 / 1			
reaction time	0.224	interval				11.74	PB	# of strides	12.29	11.74	0.55

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	8.14	8.52	8.32	95.5	8.14	8.52		
Ilieva, Tsvetanka (BUL) (1963)										
FINAL - 1991 European Cup (Frankfurt, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Federle (2003) - http://www.fgs.uni-halle.de</i>										
date	30-Jun-91	time	12.24		24.04	24.04	/ 5			
reaction time		interval			11.80		# of strides	12.24	11.80	0.44
wind	-3.4 m/s	velocity	8.17		8.47	8.32		8.17	8.47	
Rosolová, Denisa (CZE) (1986)										
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Feher (2013) - Final report men's & women's Czech Republic national champs</i>										
date	16-Jun-13	time	6.62	11.94	17.68	24.04	24.04	4 / 1		
reaction time	0.231	interval		5.32	5.74	6.36	# of strides	11.94	12.10	-0.16
wind	-1.1 m/s	velocity	7.55	9.40	8.71	7.86	8.32	8.38	8.26	
Saito, Ami (JPN) (1999)										
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>										
date	30-Jun-19	time	6.56	12.02	17.78	24.04	24.04	6 / 3		
reaction time	0.116	interval		5.46	5.76	6.26	# of strides	12.02	12.02	0.00
wind	-0.4 m/s	velocity	7.62	9.16	8.68	7.99	8.32	105.7	8.32	8.32
Wessolly, Jessica-Bianca (GER) (1996)										
FINAL - 2023 FBK Games (Hengelo, NED)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2023) - continental tour race analysis</i>										
date	04-Jun-23	time	6.74	12.21	17.91	24.04	24.04	1 / 8		
reaction time	0.187	interval		5.47	5.70	6.13	# of strides	12.21	11.83	0.38
wind	1.4 m/s	velocity	7.42	9.14	8.77	8.16	8.32	100.5	8.19	8.45
Tainio, Emma (FIN) (2003)										
Semi-Final 2 - 2025 European Athletics U23 Championships (Bergen, NOR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>										
date	19-Jul-25	time	6.57	11.96	17.71	24.04	24.04	1 / 8		
reaction time	0.146	interval		5.39	5.75	6.33	# of strides	11.96	12.08	-0.12
wind	-1.5 m/s	velocity	7.61	9.28	8.70	7.90	8.32	8.36	8.28	
Broadrick, Susanne (AUS) (1968)										
FINAL - 1989 IAAF World Cup (Barcelona, ESP)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Pascua (1990) - atletismo (I) carreras y marcha</i>										
date	08-Sep-89	time	12.04	17.94	24.05	24.05	/ 7			
reaction time		interval		5.90	6.11		# of strides	12.04	12.01	0.03
wind	0.2 m/s	velocity	8.31	8.47	8.18	8.32		8.31	8.33	
Smolarek, Joanna (POL) (1965)										
FINAL - 1991 European Cup (Frankfurt, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Federle (2003) - http://www.fgs.uni-halle.de</i>										
date	30-Jun-91	time	12.02		24.05	24.05	/ 6			
reaction time		interval			12.03		# of strides	12.02	12.03	-0.01
wind	-3.4 m/s	velocity	8.32		8.31	8.32		8.32	8.31	
Maeyama, Miyu (JPN) (1996)										
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>										
date	24-Jun-18	time	6.59	12.04	17.77	24.05	24.05	5 / 4		
reaction time	0.171	interval		5.45	5.73	6.28	# of strides	12.04	12.01	0.03
wind	1.1 m/s	velocity	7.59	9.17	8.73	7.96	8.32	8.31	8.33	
Kälin, Annik (SUI) (2000)										
Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	17-Jul-22	time	12.03		24.05	24.05	8 / 1			
reaction time	0.142	interval			12.02		# of strides	12.03	12.02	0.01
wind	1.5 m/s	velocity	8.31		8.32	8.32	101.0	8.31	8.32	
Liu Guoyi (CHN) (2004)										
Heat 1 - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shandong Athletics Sport Science (2023)</i>										
date	28-Jun-23	time	12.10	17.84	24.05	24.05	5 / 3			
reaction time	0.175	interval		5.74	6.21	PB	# of strides	12.10	11.95	0.15
wind	0.2 m/s	velocity	8.26	8.71	8.05	8.32	99.0	8.26	8.37	
Bougard, Erica (USA) (1993)										
Heptathlon - Heat 1 - 2024 USA Olympic Trials (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	23-Jun-24	time	6.81	12.11	18.04	24.05	24.05	8 / 5		
reaction time		interval		5.30	5.93	6.01	# of strides	12.11	11.94	0.17

wind	1.1 m/s	velocity	7.34	9.43	8.43	8.32	8.32		8.26	8.38	
Procházková, Barbora (CZE) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)							<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>				
date	16-Jun-13	time	6.64	12.05	18.39	24.06	24.06	5 / 2			
reaction time	0.215	interval		5.41	6.34	5.67		# of strides	12.05	12.01	0.04
wind	-0.3 m/s	velocity	7.53	9.24	7.89	8.82	8.31		8.30	8.33	
Watanabe, Hikaru (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)							<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>				
date	24-Jun-18	time	6.54	11.98	17.71	24.06	24.06	4 / 5			
reaction time	0.143	interval		5.44	5.73	6.35	PB	# of strides	11.98	12.08	-0.10
wind	1.1 m/s	velocity	7.65	9.19	8.73	7.87	8.31		8.35	8.28	
Kageyama, Sakiho (JPN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)							<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>				
date	03-May-19	time	6.62	12.15	17.91	24.06	24.06	6 / 1			
reaction time		interval		5.53	5.76	6.15		# of strides	12.15	11.91	0.24
wind	-0.3 m/s	velocity	7.55	9.04	8.68	8.13	8.31	111.0	8.23	8.40	
Idoabigeiru, Fuka (JPN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)							<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>				
date	30-Jun-19	time	6.59	12.06	17.83	24.05	24.06	5 / 4			
reaction time	0.148	interval		5.47	5.77	6.22	PB	# of strides	12.06	11.99	0.07
wind	-0.4 m/s	velocity	7.59	9.14	8.67	8.04	8.31	97.5	8.29	8.34	
Weissenberg, Sophie (GER) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)							<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
date	17-Jul-22	time		12.20		24.06	24.06	3 / 7			
reaction time	0.152	interval				11.86		# of strides	12.20	11.86	0.34
wind	1.4 m/s	velocity		8.20		8.43	8.31	93.0	8.20	8.43	
Ichikawa, Kana (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.79	12.25	17.85	24.07	24.07	7 / 3			
reaction time	0.151	interval		5.46	5.60	6.22		# of strides	12.25	11.82	0.43
wind	0.1 m/s	velocity	7.36	9.16	8.93	8.04	8.31	97.5	8.16	8.46	
Banno, Rio (JPN) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Japanese National Championships (Nagoya, JPN)							<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>				
date	26-Jun-16	time	6.60	12.06	17.79	24.07	24.07	/ 6			
reaction time		interval		5.46	5.73	6.28		# of strides	12.06	12.01	0.05
wind	1.8 m/s	velocity	7.58	9.16	8.73	7.96	8.31		8.29	8.33	
Huang Guifen (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2023 Chinese National Grand Prix 3 (Taizhou, CHN)							<i>Shandong Athletics Sport Science (2023)</i>				
date	27-May-23	time		11.91	17.73	24.07	24.07	4 / 1			
reaction time	0.164	interval			5.82	6.34		# of strides	11.91	12.16	-0.25
wind	-1.3 m/s	velocity		8.40	8.59	7.89	8.31		8.40	8.22	
Hlésdóttir, Eir (ISL) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)							<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>				
date	09-Aug-25	time	6.67	12.14	17.87	24.07	24.07	2 / 7			
reaction time	0.131	interval		5.47	5.73	6.20		# of strides	12.14	11.93	0.21
wind	-2.0 m/s	velocity	7.50	9.14	8.73	8.06	8.31	97.0	8.24	8.38	
Petroci-Coninx, Lauren (BEL) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2025 European Athletics U20 Championships (Tampere, FIN)							<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>				
date	09-Aug-25	time	6.73	12.12	17.88	24.07	24.07	4 / 6			
reaction time	0.215	interval		5.39	5.76	6.19		# of strides	12.12	11.95	0.17
wind	0.2 m/s	velocity	7.43	9.28	8.68	8.08	8.31		8.25	8.37	
O'Connor, Kate (IRL) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)							<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>				
date	19-Sep-25	time		12.08		24.07	24.07	8 / 2			
reaction time	0.135	interval				11.99	PB	# of strides	12.08	11.99	0.09

wind	0.2 m/s	velocity	8.28	8.34	8.31	97.0	8.28	8.34	
Gerevini, Sveva (ITA) (1996)									
Heptathlon - Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)						<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>		
date	19-Sep-25	time	12.04	24.07	24.07	5 / 3			
reaction time	0.198	interval		12.03		# of strides	12.04	12.03	0.01
wind	0.2 m/s	velocity	8.31	8.31	8.31	96.2	8.31	8.31	
Greggs, Charlette (USA) (1983)									
FINAL	- 2005 NCAA Championships (Sacramento, CA)						<i>Track Newsletter (2005) - NCAA women's championships</i>		
date	11-Jun-05	time	12.2	24.1	24.08	7 / 9			
reaction time		interval		11.90		# of strides	12.20	11.90	0.30
wind	-0.7 m/s	velocity	8.20	8.40	8.31		8.20	8.40	
Miura, Yuna (JPN) (2002)									
FINAL	- 2019 Japanese National High School Championships (Okinawa, JPN)						<i>WJAPF (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>		
date	07-Aug-19	time	6.59	12.08	17.79	24.08	24.08	7 / 5	
reaction time		interval	5.49	5.71	6.29	PB	# of strides	12.08	12.00
wind	1.3 m/s	velocity	7.59	9.11	8.76	7.95	8.31	8.28	8.33
Kempf, Serafina (GER) (2006)									
Semi-Final 3	- 2025 European Athletics U20 Championships (Tampere, FIN)						<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>		
date	09-Aug-25	time	6.53	11.99	17.79	24.08	24.08	7 / 7	
reaction time	0.111	interval	5.46	5.80	6.29		# of strides	11.99	12.09
wind	0.2 m/s	velocity	7.66	9.16	8.62	7.95	8.31	8.34	8.27
Yamada, Miku (JPN) (1999)									
Heat 1	- 2019 Asian Athletics Championships (Doha, QAT)						<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>		
date	23-Apr-19	time	6.59	12.00	17.82	24.09	24.09	2 / 5	
reaction time	0.152	interval	5.41	5.82	6.27		# of strides	12.00	12.09
wind	1.0 m/s	velocity	7.59	9.24	8.59	7.97	8.30	8.33	8.27
Kurahasi, Miho (JPN) (2004)									
FINAL	- 2021 Japanese High School National Championships (Fukui, JPN)						<i>Shibayama (2021) - national high school and U20 national championships</i>		
date	31-Jul-21	time	6.61	12.23	17.94	24.09	24.09	2 / 6	
reaction time	0.150	interval	5.62	5.71	6.15		# of strides	12.23	11.86
wind	2.2 m/s	velocity	7.56	8.90	8.76	8.13	8.30	8.18	8.43
Mimura, Kanami (JPN) (2001)									
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)						<i>Ryutaro (2018) - research on athlete performance and technique</i>		
date	21-Oct-18	time	6.76	12.26	17.95	24.10	24.10	5 / 2	
reaction time	0.205	interval	5.50	5.69	6.15		# of strides	12.26	11.84
wind	1.5 m/s	velocity	7.40	9.09	8.79	8.13	8.30	8.16	8.45
Yuasa, Kanako (JPN) (1997)									
B FINAL	- 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)						<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>		
date	03-May-19	time	6.58	12.10	17.89	24.10	24.10	5 / 2	
reaction time		interval	5.52	5.79	6.21		# of strides	12.10	12.00
wind	-0.3 m/s	velocity	7.60	9.06	8.64	8.05	8.30	105.5	8.26
Galpin, Abi (GBR) (2000)									
Semi-Final 1	- 2022 Commonwealth Games (Birmingham, GBR)						<i>Longines Timing (2022) - commonwealth games race analysis</i>		
date	05-Aug-22	time	6.4	12.1	17.9	24.10	24.10	8 / 7	
reaction time	0.164	interval	5.70	5.80	6.20		# of strides	12.10	12.00
wind	1.9 m/s	velocity	7.81	8.77	8.62	8.06	8.30	106.0	8.26
Li Yanjie (CHN) (2002)									
FINAL	- 2024 Chinese National Grand Prix Final (Rizhao, CHN)						<i>Shandong Athletics Sport Science (2024)</i>		
date	30-Jun-24	time	12.31	17.98	24.10	24.10	24.10	5 / 6	
reaction time	0.163	interval		5.67	6.12		# of strides	12.31	11.79
wind	0.3 m/s	velocity	8.12	8.82	8.17	8.30	8.30	100.2	8.12
de Blaauw, Britt (NED) (2004)									
Semi-Final 1	- 2025 European Athletics U23 Championships (Bergen, NOR)						<i>European Athletics (2025) - 2025 euro athletics U23 champs- results book</i>		
date	19-Jul-25	time	6.63	12.12	17.81	24.10	24.10	3 / 7	
reaction time	0.151	interval	5.49	5.69	6.29		# of strides	12.12	11.98

wind	-1.3 m/s	velocity	7.54	9.11	8.79	7.95	8.30		8.25	8.35	
Melnychenko, Hanna (UKR) (1983)											
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	15-Aug-09	time	6.53	11.96	17.79	24.11	24.11	2 / 4			
reaction time	0.140	interval		5.43	5.83	6.32	PB	# of strides	11.96	12.15	-0.19
wind	0.0 m/s	velocity	7.66	9.21	8.58	7.91	8.30	95.0	8.36	8.23	
Slettum, Elisabeth (NOR) (1986)											
B FINAL - 2014 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		12.49		24.11	24.11	4 / 1			
reaction time		interval				11.62		# of strides	12.49	11.62	0.87
wind	1.8 m/s	velocity		8.01		8.61	8.30		8.01	8.61	
Fujisawa, Sayaka (JPN) (1991)											
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	18-Apr-15	time	6.81	12.37	18.05	24.11	24.11	3 / 4			
reaction time		interval		5.56	5.68	6.06		# of strides	12.37	11.74	0.63
wind	1.7 m/s	velocity	7.34	8.99	8.80	8.25	8.30	102.2	8.08	8.52	
Iki, Ichiko (JPN) (1997)											
FINAL - 2017 Japanese National Championships (Osaka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>											
date	25-Jun-17	time	6.75	12.27	17.91	24.11	24.11	9 / 6			
reaction time	0.187	interval		5.52	5.64	6.20		# of strides	12.27	11.84	0.43
wind	-0.2 m/s	velocity	7.41	9.06	8.87	8.06	8.30		8.15	8.45	
Usui, Ayane (JPN) (2000)											
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>											
date	05-Aug-18	time	6.49	12.02	17.85	24.11	24.11	2 / 5			
reaction time		interval		5.53	5.83	6.26		# of strides	12.02	12.09	-0.07
wind	0.8 m/s	velocity	7.70	9.04	8.58	7.99	8.30		8.32	8.27	
Matsunaga, Tomoko (JPN) (2002)											
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>											
date	07-Aug-19	time	6.67	12.23	17.94	24.11	24.11	8 / 6			
reaction time		interval		5.56	5.71	6.17		# of strides	12.23	11.88	0.35
wind	1.3 m/s	velocity	7.50	8.99	8.76	8.10	8.30		8.18	8.42	
Brucker, Lili Hanna (HUN) (2006)											
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.74	12.21	17.88	24.11	24.11	4 / 5			
reaction time	0.257	interval		5.47	5.67	6.23		# of strides	12.21	11.90	0.31
wind	-0.4 m/s	velocity	7.42	9.14	8.82	8.03	8.30		8.19	8.40	
Hagihara, Celina (DEN) (2006)											
Semi-Final 3 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.63	12.10	17.88	24.11	24.11	1 / 8			
reaction time	0.174	interval		5.47	5.78	6.23		# of strides	12.10	12.01	0.09
wind	0.2 m/s	velocity	7.54	9.14	8.65	8.03	8.30		8.26	8.33	
Hastings, Natasha (USA) (1986)											
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2003)</i>											
date	21-Jun-03	time	6.72	12.37	18.02	24.12	24.12	5 / 6			
reaction time		interval		5.65	5.65	6.10	PB	# of strides	12.37	11.75	0.62
wind	-1.5 m/s	velocity	7.44	8.85	8.85	8.20	8.29		8.08	8.51	
Pillay, Geraldine (RSA) (1977)											
FINAL - 2008 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>											
date	06-Jul-08	time		12.15	17.89	24.12	24.12	4 / 4			
reaction time		interval			5.74	6.23		# of strides	12.15	11.97	0.18
wind	1.3 m/s	velocity		8.23	8.71	8.03	8.29		8.23	8.35	
Collier, Ashley (USA) (1992)											
FINAL - 2008 USATF National Junior Championships (Columbus, OH)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development with HPC (2008)</i>											
date	22-Jun-08	time		12.24	17.95	24.12	24.12	5 / 6			
reaction time		interval			5.71	6.17		# of strides	12.24	11.88	0.36

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wind	-2.4 m/s	velocity	8.17	8.76	8.10	8.29		8.17	8.42		
Seidlová, Klára (CZE) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)							<i>Feher (2013) - Final report men's & women's Czech Republic national champs</i>				
date	16-Jun-13	time	6.67	12.14	17.89	24.12	24.12	2 / 5			
reaction time	0.144	interval		5.47	5.75	6.23		# of strides	12.14	11.98	0.16
wind	0.3 m/s	velocity	7.50	9.14	8.70	8.03	8.29		8.24	8.35	
He Liujing (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Grand Prix Final (Rizhao, CHN)							<i>Shandong Athletics Sport Science (2024)</i>				
date	30-Jun-24	time		12.17	17.88	24.12	24.12	9 / 7			
reaction time	0.205	interval			5.71	6.24		# of strides	12.17	11.95	0.22
wind	0.3 m/s	velocity		8.22	8.76	8.01	8.29	102.2	8.22	8.37	
Chernova, Tatyana (RUS) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	15-Aug-09	time	6.73	12.24	17.99	24.13	24.13	1 / 5			
reaction time	0.127	interval		5.51	5.75	6.14		# of strides	12.24	11.89	0.35
wind	0.0 m/s	velocity	7.43	9.07	8.70	8.14	8.29	91.5	8.17	8.41	
Grompe, Katharina (GER) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Youth Championships (Ulm, GER)							<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>				
date	08-Aug-10	time		12.16	17.88	24.13	24.13	/ 1			
reaction time		interval			5.72	6.25	PB	# of strides	12.16	11.97	0.19
wind	-0.2 m/s	velocity		8.22	8.74	8.00	8.29		8.22	8.35	
Feng Lulu (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 Chinese National Grand Prix Final (Rizhao, CHN)							<i>Shandong Athletics Sport Science (2024)</i>				
date	29-Jun-24	time		12.07	17.79	24.13	24.13	4 / 3			
reaction time	0.172	interval			5.72	6.34		# of strides	12.07	12.06	0.01
wind	0.2 m/s	velocity		8.29	8.74	7.89	8.29	105.0	8.29	8.29	
Lysakova, Olga (UKR) (1971)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 European Cup (Munich, GER)							<i>Jung (2003) - http://www.fgs.uni-halle.de</i>				
date	22-Jun-97	time	6.66	12.11	17.86	24.14	24.14	/ 7			
reaction time		interval		5.45	5.75	6.28		# of strides	12.11	12.03	0.08
wind	-0.2 m/s	velocity	7.51	9.17	8.70	7.96	8.29		8.26	8.31	
Hao Miao (CHN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Chinese National Grand Prix 4 (Chongqing, CHN)							<i>Shandong Athletics Sport Science (2023)</i>				
date	04-Jun-23	time		12.03	17.80	24.14	24.14	6 / 1			
reaction time	0.207	interval			5.77	6.34	PB	# of strides	12.03	12.11	-0.08
wind	-0.1 m/s	velocity		8.31	8.67	7.89	8.29	99.0	8.31	8.26	
Carmona, Maria (NCA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2025 World Athletics Championships (Tokyo, JPN)							<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>				
date	17-Sep-25	time		12.04		24.14	24.14	4 / 8			
reaction time	0.185	interval				12.10		# of strides	12.04	12.10	-0.06
wind	-0.3 m/s	velocity		8.31		8.26	8.29	103.5	8.31	8.26	
Takahashi, Momoko (JPN) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Japanese National Championships (Kumagaya, JPN)							<i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>				
date	12-Jun-11	time	6.69	12.14	17.97	24.15	24.15	/ 5			
reaction time		interval		5.45	5.83	6.18		# of strides	12.14	12.01	0.13
wind	-0.7 m/s	velocity	7.47	9.17	8.58	8.09	8.28		8.24	8.33	
Breen, Melissa (AUS) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)							<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>				
date	03-May-16	time	6.53	11.99	17.81	24.15	24.15	/ 2			
reaction time		interval		5.46	5.82	6.34		# of strides	11.99	12.16	-0.17
wind	-1.5 m/s	velocity	7.66	9.16	8.59	7.89	8.28		8.34	8.22	
Brennan, Monica (AUS) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)							<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>				
date	03-May-16	time	6.66	12.16	17.91	24.15	24.15	/ 3			
reaction time		interval		5.50	5.75	6.24		# of strides	12.16	11.99	0.17

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wind	-1.5 m/s	velocity	7.51	9.09	8.70	8.01	8.28		8.22	8.34
Idoabigeiru, Fuka (JPN) (2001)										
FINAL	- 2020 Japanese U20 National Championships (Hiroshima, JPN)							Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020		
date	25-Oct-20	time	6.67	12.21	17.96	24.15	24.15	3 / 1		
reaction time	0.163	interval		5.54	5.75	6.19		# of strides	12.21	11.94
wind	1.7 m/s	velocity	7.50	9.03	8.70	8.08	8.28	105.3	8.19	8.38
Aoyama, Seika (JPN) (1996)										
Race 2	- 2020 World Athletics Trials (Fuji, JPN)							Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020		
date	06-Sep-20	time	6.73	12.22	18.01	24.16	24.16	7 / 5		
reaction time		interval		5.49	5.79	6.15		# of strides	12.22	11.94
wind	-0.7 m/s	velocity	7.43	9.11	8.64	8.13	8.28		8.18	8.38
Hao Miao (CHN) (2002)										
FINAL	- 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)							Shandong Athletics Sport Science (2023)		
date	29-Jun-23	time		12.25	18.04	24.16	24.16	8 / 4		
reaction time	0.205	interval			5.79	6.12		# of strides	12.25	11.91
wind	0.5 m/s	velocity		8.16	8.64	8.17	8.28	98.0	8.16	8.40
Washington, Demetria (USA) (1979)										
FINAL	- 2007 Windsprint (Sundsvall, SWE)							(2007) - www.ssg.se/en/Windsprint/Split-times/		
date	24-Jul-07	time		12.19	17.89	24.17	24.17	3 / 3		
reaction time		interval			5.70	6.28		# of strides	12.19	11.98
wind	0.6 m/s	velocity		8.20	8.77	7.96	8.27		8.20	8.35
Yanagiya, Tomomi (JPN) (1999)										
C FINAL	- 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)							Kobayashi (2019) - research on athlete performance technique- 2019 databook		
date	03-May-19	time	6.72	12.20	17.93	24.17	24.17	8 / 1		
reaction time		interval		5.48	5.73	6.24		# of strides	12.20	11.97
wind	-0.3 m/s	velocity	7.44	9.12	8.73	8.01	8.27	107.2	8.20	8.35
Simmons, Alexia (USA) (1977)										
FINAL	- 1996 USATF National Junior Championships (Delaware, OH)							USATF Women's Sprint Development (1996)		
date	29-Jun-96	time	6.71	11.98	17.80	24.18	24.18	7 / 4		
reaction time		interval		5.27	5.82	6.38	PB	# of strides	11.98	12.20
wind	-1.3 m/s	velocity	7.45	9.49	8.59	7.84	8.27		8.35	8.20
Zhou Yanbing (CHN) (1996)										
FINAL	- 2019 Chinese World Championships Trials (Shenyang, CHN)							Jiang (2019) - data analysis women's sprint finals the world championships trials		
date	03-Aug-19	time	6.56	12.07	17.95	24.18	24.18	6 / 6		
reaction time		interval		5.51	5.88	6.23		# of strides	12.07	12.11
wind	0.2 m/s	velocity	7.62	9.07	8.50	8.03	8.27		8.29	8.26
Ta Lou, Marie Josée (CIV) (1988)										
FINAL	- 2019 Müller Grand Prix (Birmingham, GBR)							Omega Timing (2019) - diamond league race analysis		
date	18-Aug-19	time	6.4	11.6	17.1	24.18	24.18	3 / 8		
reaction time	0.149	interval		5.2	5.5	7.08		# of strides	11.60	12.58
wind	0.4 m/s	velocity	7.81	9.62	9.09	7.06	8.27		8.62	7.95
Furler, Selina (SUI) (2003)										
FINAL	- 2022 Athletissima (Lausanne, SUI)							Omega Timing (2022) - diamond league race analysis		
date	26-Aug-22	time	6.6	12.1	17.8	24.18	24.18	2 / 5		
reaction time	0.163	interval		5.50	5.70	6.38		# of strides	12.10	12.08
wind	-0.9 m/s	velocity	7.58	9.09	8.77	7.84	8.27		8.26	8.28
Bender, Hope (USA) (1997)										
Heptathlon - Heat 2	- 2024 USA Olympic Trials (Eugene, OR)							USATF and Karmarush (2024) - USA Olympic trials results and race analysis		
date	23-Jun-24	time	6.58	12.16	17.86	24.18	24.18	7 / 3		
reaction time		interval		5.58	5.70	6.32		# of strides	12.16	12.02
wind	1.1 m/s	velocity	7.60	8.96	8.77	7.91	8.27		8.22	8.32
Murai-Ubby, Hannah Rebekah (NOR)										
National FINAL	- 2025 Bislett Games (Oslo, NOR)							Omega Timing (2025) - diamond league race analysis		
date	12-Jun-25	time	6.66	12.13	17.89	24.18	24.18	5 / 3		
reaction time	0.197	interval		5.47	5.76	6.29	=PB	# of strides	12.13	12.05

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wind	1.0 m/s	velocity	7.51	9.14	8.68	7.95	8.27		8.24	8.30
Brooks, Taliyah (USA) (1995)										
Heptathlon - Heat 3	- 2025 World Athletics Championships (Tokyo, JPN)								<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>	
date	19-Sep-25	time		12.14		24.18	24.18	3 / 7		
reaction time	0.153	interval				12.04		# of strides	12.14	12.04
wind	0.4 m/s	velocity		8.24		8.31	8.27	93.2	8.24	8.31
Cunningham, Nadia (JAM) (1978)										
FINAL	- 2007 Windsprint (Sundsvall, SWE)								<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>	
date	24-Jul-07	time	12.25	17.99		24.19	24.19	4 / 4		
reaction time		interval		5.74		6.20		# of strides	12.25	11.94
wind	0.6 m/s	velocity	8.16	8.71		8.06	8.27		8.16	8.38
Hazel, Louise (GBR) (1985)										
Heptathlon - Heat 3	- 2009 IAAF World Championships (Berlin, GER)								<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>	
date	15-Aug-09	time	6.57	12.01	17.82	24.19	24.19	3 / 1		
reaction time	0.187	interval		5.44	5.81	6.37	PB	# of strides	12.01	12.18
wind	-0.2 m/s	velocity	7.61	9.19	8.61	7.85	8.27	96.0	8.33	8.21
Saito, Rina (JPN) (1997)										
FINAL	- 2018 Japanese National Championships (Yamaguchi, JPN)								<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>	
date	24-Jun-18	time	6.64	12.17	17.94	24.19	24.19	2 / 6		
reaction time	0.180	interval		5.53	5.77	6.25	PB	# of strides	12.17	12.02
wind	1.1 m/s	velocity	7.53	9.04	8.67	8.00	8.27		8.22	8.32
Miyake, Naoka (JPN) (1991)										
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)								<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>	
date	22-Sep-18	time	6.61	12.17	17.97	24.19	24.19	2 / 2		
reaction time	0.181	interval		5.56	5.80	6.22		# of strides	12.17	12.02
wind	0.2 m/s	velocity	7.56	8.99	8.62	8.04	8.27		8.22	8.32
Kakizoe, Suzune (JPN) (2007)										
FINAL	- 2024 Japanese National High School Championships (Fukuoka, JPN)								<i>Takashima (2024) - national high school sports festival - biomechanics data</i>	
date	31-Jul-24	time	6.65	12.25	18.04	24.19	24.19	7 / 3		
reaction time	0.187	interval		5.60	5.79	6.15	PB	# of strides	12.25	11.94
wind	1.1 m/s	velocity	7.52	8.93	8.64	8.13	8.27		8.16	8.38
Kageyama, Sakiho (JPN) (2002)										
U20 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)								<i>Ryuma (2019) - research on athlete performance and technique- 2019 data book</i>	
date	20-Oct-19	time	6.59	12.15	17.95	24.20	24.20	5 / 2		
reaction time	0.170	interval		5.56	5.80	6.25		# of strides	12.15	12.05
wind	-0.8 m/s	velocity	7.59	8.99	8.62	8.00	8.26	109.0	8.23	8.30
Feng Lulu (CHN) (2000)										
FINAL	- 2020 Chinese Olympic Trials (Shaoxing, CHN)								<i>CAA Hurdle Development (2021)</i>	
date	13-Jun-21	time		12.00		24.20	24.20	1 / 5		
reaction time	0.188	interval				12.20		# of strides	12.00	12.20
wind	0.2 m/s	velocity		8.33		8.20	8.26	108.0	8.33	8.20
Li He (CHN) (2001)										
Heat 4	- 2021 Chinese National Championships (Chongqing, CHN)								<i>CAA Hurdle Development (2021)</i>	
date	27-Jun-21	time	6.19	12.21	17.98	24.20	24.20	3 / 4		
reaction time	0.209	interval		6.02	5.77	6.22		# of strides	12.21	11.99
wind	0.5 m/s	velocity	8.08	8.31	8.67	8.04	8.26	106.0	8.19	8.34
Sulek-Schubert, Adrianna (POL) (1991)										
Heptathlon - Heat 1	- 2024 Olympic Games (Paris, FRA)								<i>Paris 2024 Olympic Games - Results Book (2024)</i>	
date	08-Aug-24	time	6.60	12.04	17.82	24.20	24.20	5 / 1		
reaction time	0.155	interval		5.44	5.78	6.38		# of strides	12.04	12.16
wind	0.2 m/s	velocity	7.58	9.19	8.65	7.84	8.26	101.5	8.31	8.22
Kozáry, Ágnes (HUN) (1966)										
FINAL	- 1991 European Cup (Frankfurt, GER)								<i>Federle (2003) - http://www.fgs.uni-halle.de</i>	
date	30-Jun-91	time		12.15		24.21	24.21	/ 7		
reaction time		interval				12.06		# of strides	12.15	12.06

wind	-3.4 m/s	velocity	8.23	8.29	8.26	8.23	8.29			
Tashiro, Narumi (JPN) (1991)										
FINAL	- 2009 Japanese National High School Championships (Nara, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-09	time	6.74	12.40	18.18	24.21	24.21	5 / 1		
reaction time		interval	5.66	5.78	6.03		# of strides	12.40	11.81	0.59
wind	0.3 m/s	velocity	7.42	8.83	8.65	8.29	8.26	8.06	8.47	
Čechová, Katerína (CZE) (1988)										
Heat 1	- 2013 Czech Republic National Championships (Tábor, CZE)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	16-Jun-13	time	6.45	11.81	17.63	24.21	24.21	4 / 1		
reaction time	0.165	interval	5.36	5.82	6.58		# of strides	11.81	12.40	-0.59
wind	-1.2 m/s	velocity	7.75	9.33	8.59	7.60	8.26	8.47	8.06	
Imai, Saori (JPN) (1990)										
FINAL	- 2017 Shizuoka International Meeting (Fukuroi, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-May-17	time	6.78	12.39	18.15	24.21	24.21	4 / 2		
reaction time		interval	5.61	5.76	6.06		# of strides	12.39	11.82	0.57
wind	-0.5 m/s	velocity	7.37	8.91	8.68	8.25	8.26	8.07	8.46	
Saito, Ami (JPN) (1999)										
B FINAL	- 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-May-19	time	6.71	12.20	17.95	24.21	24.21	7 / 3		
reaction time		interval	5.49	5.75	6.26		# of strides	12.20	12.01	0.19
wind	-0.3 m/s	velocity	7.45	9.11	8.70	7.99	8.26	105.7	8.20	8.33
Yuasa, Kanako (JPN) (1997)										
Race 2	- 2020 World Athletics Trials (Fuji, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Sep-20	time	6.56	12.07	17.93	24.21	24.21	3 / 6		
reaction time		interval	5.51	5.86	6.28		# of strides	12.07	12.14	-0.07
wind	-0.7 m/s	velocity	7.62	9.07	8.53	7.96	8.26	8.29	8.24	
Komatsu, Konomi (JPN) (2004)										
FINAL	- 2021 Japanese High School National Championships (Fukui, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	31-Jul-21	time	6.69	12.36	18.07	24.21	24.21	1 / 7		
reaction time	0.223	interval	5.67	5.71	6.14		# of strides	12.36	11.85	0.51
wind	2.2 m/s	velocity	7.47	8.82	8.76	8.14	8.26	8.09	8.44	
Strachan, Anthonique (BAH) (1993)										
FINAL	- 2024 Xiamen Diamond League (Xiamen, CHN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Apr-24	time	6.53	11.93	17.68	24.21	24.21	7 / 9		
reaction time	0.151	interval	5.40	5.75	6.53		# of strides	11.93	12.28	-0.35
wind	-0.4 m/s	velocity	7.66	9.26	8.70	7.66	8.26	90.0	8.38	8.14
Hawkins, Chari (USA) (1991)										
Heptathlon - Heat 3	- 2024 USA Olympic Trials (Eugene, OR)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Jun-24	time	6.64	12.26	18.00	24.21	24.21	5 / 2		
reaction time		interval	5.62	5.74	6.21		# of strides	12.26	11.95	0.31
wind	1.8 m/s	velocity	7.53	8.90	8.71	8.05	8.26	8.16	8.37	
Pähler, Stefanie (GER) (1993)										
FINAL	- 2010 German National Youth Championships (Ulm, GER)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	08-Aug-10	time	12.48	18.15	24.22	24.22	24.22	/ 2		
reaction time		interval	5.67	6.07		PB	# of strides	12.48	11.74	0.74
wind	-0.2 m/s	velocity	8.01	8.82	8.24	8.26	8.26	8.01	8.52	
Nobayashi, Yumi (JPN) (1995)										
FINAL	- 2012 Japanese National High School Championships (Niigata, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-12	time	6.71	12.47	18.04	24.22	24.22	8 / 1		
reaction time		interval	5.76	5.57	6.18		# of strides	12.47	11.75	0.72
wind	0.3 m/s	velocity	7.45	8.68	8.98	8.09	8.26	8.02	8.51	
Nakamura, Mitsugi (JPN) (1996)										
FINAL	- 2015 Japanese National Championships (Niigata, JPN)					Official Time	Lane / Place	0-100m	100-200m	Differential
date	27-Jun-15	time	6.67	12.17	17.85	24.22	24.22	8 / 4		
reaction time	0.157	interval	5.50	5.68	6.37		# of strides	12.17	12.05	0.12

wind	0.1 m/s	velocity	7.50	9.09	8.80	7.85	8.26	98.0	8.22	8.30	
Usui, Ayane (JPN) (2000)											
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)						Ryutaro (2018) - research on athlete performance and technique				
date	21-Oct-18	time	6.72	12.34	18.10	24.22	24.22	8 / 3			
reaction time	0.163	interval		5.62	5.76	6.12		# of strides	12.34	11.88	0.46
wind	1.5 m/s	velocity	7.44	8.90	8.68	8.17	8.26		8.10	8.42	
Halbheer, Cornelia (SUI) (1992)											
FINAL	- 2022 Athletissima (Lausanne, SUI)						Omega Timing (2022) - diamond league race analysis				
date	26-Aug-22	time	6.5	11.9	17.8	24.22	24.22	3 / 6			
reaction time	0.133	interval		5.40	5.90	6.42		# of strides	11.90	12.32	-0.42
wind	-0.9 m/s	velocity	7.69	9.26	8.47	7.79	8.26		8.40	8.12	
Iki, Aiko (JPN) (2000)											
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)						Ryutaro (2018) - research on athlete performance and technique				
date	21-Oct-18	time	6.75	12.34	18.06	24.23	24.23	3 / 4			
reaction time	0.194	interval		5.59	5.72	6.17		# of strides	12.34	11.89	0.45
wind	1.5 m/s	velocity	7.41	8.94	8.74	8.10	8.25		8.10	8.41	
Ichikawa, Kana (JPN) (1991)											
A FINAL	- 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)						Kobayashi (2019) - research on athlete performance technique- 2019 databook				
date	03-May-19	time	6.70	12.19	17.97	24.23	24.23	5 / 3			
reaction time		interval		5.49	5.78	6.26		# of strides	12.19	12.04	0.15
wind	-1.2 m/s	velocity	7.46	9.11	8.65	7.99	8.25	98.5	8.20	8.31	
Miyatake, Abidarari (JPN) (2002)											
FINAL	- 2021 Ready Steady Tokyo (Tokyo, JPN)						Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season				
date	09-May-21	time	6.71	12.26	18.04	24.23	24.23	8 / 3			
reaction time	0.176	interval		5.55	5.78	6.19	PB	# of strides	12.26	11.97	0.29
wind	0.3 m/s	velocity	7.45	9.01	8.65	8.08	8.25	96.0	8.16	8.35	
Vidts, Noor (BEL) (1996)											
Heptathlon - Heat 1	- 2023 World Athletics Championships (Budapest, HUN)						Seiko Timing (2023) - world championship race analysis				
date	19-Aug-23	time		12.45		24.23	24.23	2 / 1			
reaction time	0.210	interval				11.78		# of strides	12.45	11.78	0.67
wind	-0.1 m/s	velocity		8.03		8.49	8.25	95.2	8.03	8.49	
Tsuchihashi, Tomoka (JPN) (1995)											
FINAL	- 2012 Japanese National High School Championships (Niigata, JPN)						Yasunori (2012) - 65th high school championships: JAF scientific committee				
date	01-Aug-12	time	6.73	12.43	17.96	24.24	24.24	3 / 2			
reaction time		interval		5.70	5.53	6.28		# of strides	12.43	11.81	0.62
wind	0.3 m/s	velocity	7.43	8.77	9.04	7.96	8.25		8.05	8.47	
Nakamura, Mizuki (JPN) (1996)											
Heat 3	- 2018 Shizuoka International Meeting (Fukuroi, JPN)						Ryutaro (2018) - research on athlete performance and technique- 2018 data book				
date	03-May-18	time	6.71	12.24	17.99	24.24	24.24	6 / 3			
reaction time	0.173	interval		5.53	5.75	6.25		# of strides	12.24	12.00	0.24
wind	-0.7 m/s	velocity	7.45	9.04	8.70	8.00	8.25	100.0	8.17	8.33	
Zhang Xiaoqiong (CHN) (1966)											
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)						Pascua (1990) - atletismo (I) carreras y marcha				
date	08-Sep-89	time		12.22	18.06	24.25	24.25	/ 8			
reaction time		interval			5.84	6.19		# of strides	12.22	12.03	0.19
wind	0.2 m/s	velocity		8.18	8.56	8.08	8.25		8.18	8.31	
Yanagiya, Tomomi (JPN) (1999)											
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)						Ryutaro (2018) - research on athlete performance and technique				
date	21-Oct-18	time	6.73	12.17	17.92	24.25	24.25	7 / 5			
reaction time	0.169	interval		5.44	5.75	6.33		# of strides	12.17	12.08	0.09
wind	1.5 m/s	velocity	7.43	9.19	8.70	7.90	8.25		8.22	8.28	
Ishikawa, Yu (JPN) (2002)											
U18 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)						Yama (2019) - research on athlete performance and technique- 2019 data book				
date	20-Oct-19	time	6.65	12.10	17.97	24.25	24.25	6 / 1			
reaction time	0.177	interval		5.45	5.87	6.28		# of strides	12.10	12.15	-0.05

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

wind	-1.3 m/s	velocity	7.52	9.17	8.52	7.96	8.25	100.5	8.26	8.23	
Sato, Misato (JPN) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese U20 National Championships (Osaka, JPN)			<i>Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season</i>								
date	27-Jun-21	time	6.80	12.45	18.15	24.25	24.25	4 / 1			
reaction time	0.190	interval		5.65	5.70	6.10	PB	# of strides	12.45	11.80	0.65
wind	-0.4 m/s	velocity	7.35	8.85	8.77	8.20	8.25	105.7	8.03	8.47	
Lin Xinyi (CHN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)			<i>Shandong Athletics Sport Science (2023)</i>								
date	29-Jun-23	time		12.32	18.11	24.25	24.25	1 / 5			
reaction time	0.220	interval			5.79	6.14		# of strides	12.32	11.93	0.39
wind	0.5 m/s	velocity		8.12	8.64	8.14	8.25	104.0	8.12	8.38	
Chapman, Timara (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 USA Olympic Trials (Eugene, OR)			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	23-Jun-24	time	6.59	12.25	18.02	24.25	24.25	6 / 3			
reaction time		interval		5.66	5.77	6.23		# of strides	12.25	12.00	0.25
wind	1.8 m/s	velocity	7.59	8.83	8.67	8.03	8.25		8.16	8.33	
Maeyama, Miyu (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Japanese National Championships (Nagoya, JPN)			<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>								
date	26-Jun-16	time	6.53	12.00	17.80	24.26	24.26	1 / 7			
reaction time		interval		5.47	5.80	6.46		# of strides	12.00	12.26	-0.26
wind	1.8 m/s	velocity	7.66	9.14	8.62	7.74	8.24		8.33	8.16	
Eriksson, Denise (SWE) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2025 Bislett Games (Oslo, NOR)			<i>Omega Timing (2025) - diamond league race analysis</i>								
date	12-Jun-25	time	6.63	12.18	17.95	24.26	24.26	8 / 4			
reaction time	0.202	interval		5.55	5.77	6.31		# of strides	12.18	12.08	0.10
wind	1.0 m/s	velocity	7.54	9.01	8.67	7.92	8.24		8.21	8.28	
Haase, Rebekka (GER) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Youth Championships (Ulm, GER)			<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>								
date	08-Aug-10	time		12.48	18.16	24.27	24.27	1 / 3			
reaction time		interval			5.68	6.11	PB	# of strides	12.48	11.79	0.69
wind	-0.2 m/s	velocity		8.01	8.80	8.18	8.24		8.01	8.48	
Breen, Melissa (AUS) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)			<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
date	03-May-17	time	6.58	12.07	17.93	24.27	24.27	6 / 3			
reaction time		interval		5.49	5.86	6.34		# of strides	12.07	12.20	-0.13
wind	-0.5 m/s	velocity	7.60	9.11	8.53	7.89	8.24		8.29	8.20	
Fujisawa, Sayaka (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)			<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>								
date	22-Sep-18	time	6.69	12.14	17.93	24.27	24.27	9 / 3			
reaction time	0.160	interval		5.45	5.79	6.34		# of strides	12.14	12.13	0.01
wind	0.2 m/s	velocity	7.47	9.17	8.64	7.89	8.24		8.24	8.24	
Ambrosini, Coralie (SUI) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Athletissima (Lausanne, SUI)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	26-Aug-22	time	6.5	11.9	17.7	24.27	24.27	8 / 7			
reaction time	0.135	interval		5.40	5.80	6.57		# of strides	11.90	12.37	-0.47
wind	-0.9 m/s	velocity	7.69	9.26	8.62	7.61	8.24		8.40	8.08	
Yuu, Mizuki (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Japanese National High School Championships (Sapporo, JPN)			<i>Takashima (2023) - national high school sports festival - biomechanics data</i>								
date	05-Aug-23	time	6.70	12.34	18.11	24.27	24.27	4 / 2			
reaction time	0.212	interval		5.64	5.77	6.16		# of strides	12.34	11.93	0.41
wind	0.2 m/s	velocity	7.46	8.87	8.67	8.12	8.24		8.10	8.38	
Chiba, Anju (JPN) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)			<i>Takashima (2024) - national high school sports festival - biomechanics data</i>								
date	31-Jul-24	time	6.59	12.19	17.94	24.27	24.27	5 / 4			
reaction time	0.191	interval		5.60	5.75	6.33		# of strides	12.19	12.08	0.11

wind	1.1 m/s	velocity	7.59	8.93	8.70	7.90	8.24		8.20	8.28
Eguchi, Kotomi (JPN) (1997)										
FINAL	- 2015 Japanese National Championships (Niigata, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	27-Jun-15	time	6.78	12.32	18.05	24.28	24.28	3 / 5		
reaction time	0.182	interval		5.54	5.73	6.23		# of strides	12.32	11.96
wind	0.1 m/s	velocity	7.37	9.03	8.73	8.03	8.24	106.0	8.12	8.36
Ichikawa, Kana (JPN) (1991)										
FINAL	- 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-May-16	time	6.75	12.26	18.00	24.28	24.28	/ 4		
reaction time		interval		5.51	5.74	6.28		# of strides	12.26	12.02
wind	-1.5 m/s	velocity	7.41	9.07	8.71	7.96	8.24		8.16	8.32
Ichikawa, Kana (JPN) (1991)										
FINAL	- 2017 Shizuoka International Meeting (Fukuroi, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-May-17	time	6.70	12.16	17.93	24.28	24.28	7 / 4		
reaction time		interval		5.46	5.77	6.35		# of strides	12.16	12.12
wind	-0.5 m/s	velocity	7.46	9.16	8.67	7.87	8.24		8.22	8.25
Aoyama, Seika (JPN) (1996)										
FINAL	- 2020 Japanese National Championships (Niigata, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-Oct-20	time	6.74	12.29	18.07	24.28	24.28	2 / 6		
reaction time	0.185	interval		5.55	5.78	6.21		# of strides	12.29	11.99
wind	-0.1 m/s	velocity	7.42	9.01	8.65	8.05	8.24	104.0	8.14	8.34
Vetter, Anouk (NED) (1993)										
Heptathlon - Heat 3	- 2023 World Athletics Championships (Budapest, HUN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	19-Aug-23	time		12.30		24.28	24.28	4 / 6		
reaction time	0.159	interval				11.98		# of strides	12.30	11.98
wind	0.0 m/s	velocity		8.13		8.35	8.24	96.0	8.13	8.35
He Liuqing (CHN) (2000)										
Heat 2	- 2024 Chinese National Grand Prix Final (Rizhao, CHN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	29-Jun-24	time		12.18		17.93	24.28	4 / 2		
reaction time	0.262	interval				5.75	6.35	# of strides	12.18	12.10
wind	0.5 m/s	velocity		8.21		8.70	7.87	104.0	8.21	8.26
Bumbescu, Monika (ROU) (1977)										
FINAL	- 1997 European Cup (Munich, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	22-Jun-97	time	6.70	12.18	17.95	24.29	24.29	/ 8		
reaction time		interval		5.48	5.77	6.34		# of strides	12.18	12.11
wind	-0.2 m/s	velocity	7.46	9.12	8.67	7.89	8.23		8.21	8.26
Carter, Khrystal (USA) (1988)										
FINAL	- 2005 USATF National Junior Championships (Carson, CA)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	24-Jun-05	time		12.05		17.89	24.29	9 / 9		
reaction time		interval				5.84	6.40	# of strides	12.05	12.24
wind	0.6 m/s	velocity		8.30		8.56	7.81		8.30	8.17
Floyd, Kalyn (USA) (1989)										
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	22-Jun-08	time		12.19		17.93	24.29	3 / 7		
reaction time		interval				5.74	6.36	# of strides	12.19	12.10
wind	-2.4 m/s	velocity		8.20		8.71	7.86		8.20	8.26
Takita, Shizumi (JPN) (2002)										
U18 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Oct-19	time	6.61	12.14	18.01	24.29	24.29	3 / 2		
reaction time	0.161	interval		5.53	5.87	6.28		# of strides	12.14	12.15
wind	-1.3 m/s	velocity	7.56	9.04	8.52	7.96	8.23	101.0	8.24	8.23
Miyatake, Abidarari (JPN) (2002)										
FINAL	- 2020 Japanese U20 National Championships (Hiroshima, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	25-Oct-20	time	6.90	12.49	18.32	24.29	24.29	8 / 2		
reaction time	0.164	interval		5.59	5.83	5.97		# of strides	12.49	11.80

wind	1.7 m/s	velocity	7.25	8.94	8.58	8.38	8.23	101.0	8.01	8.47	
Williams, Jodean (JAM) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Short Sprints - 2025 Grand Slam Track Kingston (Kingston, JAM)			<i>Grand Slam Track (2025) - results and splits by race</i>								
date	06-Apr-25	time	6.43	11.74	17.69	24.29	24.29	4 / 7			
reaction time	0.190	interval		5.31	5.95	6.60		# of strides	11.74	12.55	-0.81
wind	-4.7 m/s	velocity	7.78	9.42	8.40	7.58	8.23	97.0	8.52	7.97	
Tonazzi, Milla (SUI) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 European Athletics U20 Championships (Tampere, FIN)			<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>								
date	09-Aug-25	time	6.73	12.20	17.94	24.29	24.29	1 / 8			
reaction time	0.151	interval		5.47	5.74	6.35		# of strides	12.20	12.09	0.11
wind	-2.0 m/s	velocity	7.43	9.14	8.71	7.87	8.23	97.2	8.20	8.27	
Popkova, Vera (URS) (1943)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1963 International Sportweek (Tokyo, JPN)			<i>(1964) - einschätzung der einzelnen leichtathletischen disziplinen</i>								
date	13-Oct-63	time		12.0		24.3	24.30	/ 2			
reaction time		interval				12.3		# of strides	12.00	12.30	-0.30
wind	???	velocity		8.33		8.13	8.23		8.33	8.13	
Solcan, Elena (ROU) (1970)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1991 European Cup (Frankfurt, GER)			<i>Federle (2003) - http://www.fgs.uni-halle.de</i>								
date	30-Jun-91	time		12.20		24.30	24.30	/ 8			
reaction time		interval				12.10		# of strides	12.20	12.10	0.10
wind	-3.4 m/s	velocity		8.20		8.26	8.23		8.20	8.26	
Oeser, Jennifer (GER) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	15-Aug-09	time	6.78	12.19	18.00	24.30	24.30	8 / 2			
reaction time	0.194	interval		5.41	5.81	6.30	PB	# of strides	12.19	12.11	0.08
wind	-0.2 m/s	velocity	7.37	9.24	8.61	7.94	8.23	99.0	8.20	8.26	
Nagano, Mariko (JPN) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
C FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)			<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad</i>								
date	03-May-16	time	6.60	12.20	18.01	24.30	24.30	/ 1			
reaction time		interval		5.60	5.81	6.29		# of strides	12.20	12.10	0.10
wind	0.1 m/s	velocity	7.58	8.93	8.61	7.95	8.23		8.20	8.26	
Miura, Yuna (JPN) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)			<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>								
date	05-Aug-18	time	6.72	12.35	18.07	24.30	24.30	9 / 6			
reaction time		interval		5.63	5.72	6.23		# of strides	12.35	11.95	0.40
wind	0.8 m/s	velocity	7.44	8.88	8.74	8.03	8.23		8.10	8.37	
Miyake, Naoka (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)			<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>								
date	03-May-19	time	6.67	12.25	18.08	24.30	24.30	2 / 4			
reaction time		interval		5.58	5.83	6.22		# of strides	12.25	12.05	0.20
wind	-1.2 m/s	velocity	7.50	8.96	8.58	8.04	8.23	102.7	8.16	8.30	
Miyake, Naoka (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>								
date	19-May-19	time	6.67	12.20	18.02	24.31	24.31	2 / 7			
reaction time	0.173	interval		5.53	5.82	6.29		# of strides	12.20	12.11	0.09
wind	0.5 m/s	velocity	7.50	9.04	8.59	7.95	8.23	100.7	8.20	8.26	
Suzuki, Kazuha (JPN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)			<i>Kobayashi (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>								
date	07-Aug-19	time	6.66	12.17	17.95	24.31	24.31	2 / 7			
reaction time		interval		5.51	5.78	6.36		# of strides	12.17	12.14	0.03
wind	1.3 m/s	velocity	7.51	9.07	8.65	7.86	8.23		8.22	8.24	
Sakamoto, Minami (JPN) (2006)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)			<i>Shibayama (2021) - national high school and U20 national championships</i>								
date	31-Jul-21	time	6.63	12.38	18.13	24.31	24.31	7 / 8			
reaction time	0.152	interval		5.75	5.75	6.18		# of strides	12.38	11.93	0.45

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DV=Drug Violation

wind	2.2 m/s	velocity	7.54	8.70	8.70	8.09	8.23		8.08	8.38	
Chen Yiting (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Chinese National Grand Prix Final (Rizhao, CHN)									Shandong Athletics Sport Science (2024)		
date	30-Jun-24	time		12.08	17.90	24.31	24.31	3 / 8			
reaction time	0.151	interval			5.82	6.41		# of strides	12.08	12.23	-0.15
wind	0.3 m/s	velocity		8.28	8.59	7.80	8.23	102.0	8.28	8.18	
Kageyama, Sakiho (JPN) (2002)			50m	100m	150m	200m	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	6.64	12.18	18.02	24.32	24.32	6 / 1			
reaction time	0.198	interval		5.54	5.84	6.30		# of strides	12.18	12.14	0.04
wind	1.5 m/s	velocity	7.53	9.03	8.56	7.94	8.22		8.21	8.24	
Oshiro, Akari (JPN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)									Kaito (2019) - 72nd high school champs: JAF scientific committee - biomechanics data		
date	07-Aug-19	time	6.67	12.20	17.93	24.32	24.32	1 / 8			
reaction time		interval		5.53	5.73	6.39		# of strides	12.20	12.12	0.08
wind	1.3 m/s	velocity	7.50	9.04	8.73	7.82	8.22		8.20	8.25	
Angounou, Linda (CMR) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2022 Commonwealth Games (Birmingham, GBR)									Longines Timing (2022) - commonwealth games race analysis		
date	05-Aug-22	time	6.6	12.3	18.1	24.32	24.32	3 / 7			
reaction time	0.163	interval		5.70	5.80	6.22		# of strides	12.30	12.02	0.28
wind	1.5 m/s	velocity	7.58	8.77	8.62	8.04	8.22		8.13	8.32	
Kojima, Yuzuki (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	6.68	12.30	18.08	24.32	24.32	6 / 1			
reaction time	0.154	interval		5.62	5.78	6.24	PB	# of strides	12.30	12.02	0.28
wind	-1.2 m/s	velocity	7.49	8.90	8.65	8.01	8.22		8.13	8.32	
Kociņa, Elizabete (LAT) (2006)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)									European Athletics (2025) - 2025 european athletics U20 champs - results book		
date	09-Aug-25	time	6.62	12.14	17.95	24.32	24.32	2 / 6			
reaction time	0.153	interval		5.52	5.81	6.37		# of strides	12.14	12.18	-0.04
wind	-0.4 m/s	velocity	7.55	9.06	8.61	7.85	8.22		8.24	8.21	
Chudzik, Kamila (POL) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)									Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
date	15-Aug-09	time	6.80	12.28	18.03	24.33	24.33	7 / 3			
reaction time	0.187	interval		5.48	5.75	6.30	PB	# of strides	12.28	12.05	0.23
wind	-0.2 m/s	velocity	7.35	9.12	8.70	7.94	8.22	96.0	8.14	8.30	
Williams, Christania (JAM) (1994)			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		12.25		24.33	24.33	2 / 4			
reaction time		interval				12.08		# of strides	12.25	12.08	0.17
wind	0.8 m/s	velocity		8.16		8.28	8.22		8.16	8.28	
Yamakoshi, Riko (JPN) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Japanese U20 National Championships (Osaka, JPN)									Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC		
date	02-Aug-23	time	6.70	12.10	17.89	24.33	24.33	4 / 3			
reaction time	0.255	interval		5.40	5.79	6.44		# of strides	12.10	12.23	-0.13
wind	-0.5 m/s	velocity	7.46	9.26	8.64	7.76	8.22	102.0	8.26	8.18	
O'Brien, Jadin (USA) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 USA Olympic Trials (Eugene, OR)									USATF and Karmarush (2024) - USA Olympic trials results and race analysis		
date	23-Jun-24	time	6.53	12.35	18.13	24.33	24.33	9 / 4			
reaction time		interval		5.82	5.78	6.20		# of strides	12.35	11.98	0.37
wind	1.8 m/s	velocity	7.66	8.59	8.65	8.06	8.22		8.10	8.35	
Kokubo, Haruna (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	6.84	13.30	17.98	24.34	24.34	/ 1			
reaction time		interval		6.46	4.68	6.36		# of strides	13.30	11.04	2.26

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DV=Drug Violation

wind	0.0 m/s	velocity	7.31	7.74	10.68	7.86	8.22		7.52	9.06
Horn, Carina (RSA) (1989)										
FINAL	- 2012 Windsprint (Sundsvall, SWE)									
date	17-Jun-12	time		12.12		24.34	24.34			
reaction time		interval				12.22		# of strides	12.12	12.22
wind	2.2 m/s	velocity		8.25		4.11	8.22		8.25	8.18
Niwa, Arisa (JPN) (1995)										
FINAL	- 2012 Japanese National High School Championships (Niigata, JPN)									
date	01-Aug-12	time	6.81	12.52	18.09	24.34	24.34			
reaction time		interval		5.71	5.57	6.25		# of strides	12.52	11.82
wind	0.3 m/s	velocity	7.34	8.76	8.98	8.00	8.22		7.99	8.46
Okumura, Yuri (JPN) (2000)										
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)									
date	01-Aug-17	time	6.63	12.29	18.04	24.34	24.34			
reaction time	0.152	interval		5.66	5.75	6.30		# of strides	12.29	12.05
wind	-0.2 m/s	velocity	7.54	8.83	8.70	7.94	8.22		8.14	8.30
Feng Lulu (CHN) (2000)										
Heat 2	- 2020 Chinese Olympic Trials (Shaoxing, CHN)									
date	12-Jun-21	time		11.95		24.34	24.34			
reaction time	0.158	interval				12.39		# of strides	11.95	12.39
wind	-0.4 m/s	velocity		8.37		8.07	8.22		8.37	8.07
Egami, Kazuha (JPN)										
FINAL	- 2025 Shimane High School Championships (Izumo, JPN)									
date	01-Jun-25	time		12.48	18.20	24.34	24.34			
reaction time		interval			5.72	6.14		# of strides	12.48	11.86
wind	2.5 m/s	velocity		8.01	8.74	8.14	8.22		8.01	8.43
Imai, Saori (JPN) (1990)										
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)									
date	01-Aug-08	time	6.61	12.17	18.10	24.35	24.35			
reaction time		interval		5.56	5.93	6.25		# of strides	12.17	12.18
wind	-2.4 m/s	velocity	7.56	8.99	8.43	8.00	8.21		8.22	8.21
Takashima, Saki (JPN) (2002)										
FINAL	- 2020 Japanese National Championships (Niigata, JPN)									
date	03-Oct-20	time	6.80	12.37	18.15	24.35	24.35			
reaction time	0.193	interval		5.57	5.78	6.20		# of strides	12.37	11.98
wind	-0.1 m/s	velocity	7.35	8.98	8.65	8.06	8.21		8.08	8.35
Phillips, Kenisha (GUY) (2001)										
Semi-Final 2	- 2022 Commonwealth Games (Birmingham, GBR)									
date	05-Aug-22	time	6.6	12.2	18.1	24.35	24.35			
reaction time	0.198	interval		5.60	5.90	6.25		# of strides	12.20	12.15
wind	0.0 m/s	velocity	7.58	8.93	8.47	8.00	8.21		8.20	8.23
Sugimoto, Miu (JPN) (2006)										
FINAL	- 2024 Japanese National High School Championships (Fukuoka, JPN)									
date	31-Jul-24	time	6.71	12.50	18.30	24.35	24.35			
reaction time	0.182	interval		5.79	5.80	6.05		# of strides	12.50	11.85
wind	1.1 m/s	velocity	7.45	8.64	8.62	8.26	8.21		8.00	8.44
Oosterwegel, Emma (NED) (1998)										
Heptathlon - Heat 2	- 2024 Olympic Games (Paris, FRA)									
date	08-Aug-24	time	6.75	12.26	17.98	24.35	24.35			
reaction time	0.206	interval		5.51	5.72	6.37		# of strides	12.26	12.09
wind	0.4 m/s	velocity	7.41	9.07	8.74	7.85	8.21		8.16	8.27
Glenn, Gabrielle (USA) (1989)										
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)									
date	22-Jun-08	time		12.32	18.20	24.36	24.36			
reaction time		interval			5.88	6.16		# of strides	12.32	12.04

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DV=Drug Violation

wind	-2.4 m/s	velocity	8.12	8.50	8.12	8.21		8.12	8.31	
Riedl, Julia (GER) (1992)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2010 German National Junior Championships (Ulm, GER) <i>Graubner (2010) - http://www.fgs.uni-halle.de</i>										
date	07-Aug-10	time	12.28	18.02	24.36	24.36	/ 1			
reaction time		interval		5.74	6.34		# of strides	12.28	12.08	0.20
wind	1.0 m/s	velocity	8.14	8.71	7.89	8.21		8.14	8.28	
Riedl, Martina (GER) (1992)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Junior Championships (Ulm, GER) <i>Graubner (2010) - http://www.fgs.uni-halle.de</i>										
date	07-Aug-10	time	12.41	18.21	24.36	24.36	/ 2			
reaction time		interval		5.80	6.15		# of strides	12.41	11.95	0.46
wind	-0.1 m/s	velocity	8.06	8.62	8.13	8.21		8.06	8.37	
Jensen, Christine (DEN) (1991)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>										
date	20-Jul-14	time	12.38		24.36	24.36	6 / 4			
reaction time		interval			11.98		# of strides	12.38	11.98	0.40
wind	2.7 m/s	velocity	8.08		8.35	8.21		8.08	8.35	
Miyake, Naoka (JPN) (1991)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2019 Asian Athletics Championships (Doha, QAT) <i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>										
date	23-Apr-19	time	6.68	12.14	17.98	24.36	24.36	9 / 6		
reaction time	0.170	interval		5.46	5.84	6.38	# of strides	12.14	12.22	-0.08
wind	2.3 m/s	velocity	7.49	9.16	8.56	7.84	8.21	8.24	8.18	
Cai Yanting (CHN) (2000)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN) <i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>										
date	03-Aug-19	time	6.78	12.14	17.97	24.36	24.36	1 / 7		
reaction time		interval		5.36	5.83	6.39	# of strides	12.14	12.22	-0.08
wind	0.2 m/s	velocity	7.37	9.33	8.58	7.82	8.21	8.24	8.18	
Niisaka, Takako (JPN) (2002)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>JRN (2019) - research on athlete performance and technique- 2019 data book</i>										
date	20-Oct-19	time	6.64	12.14	17.98	24.36	24.36	4 / 3		
reaction time	0.156	interval		5.50	5.84	6.38	# of strides	12.14	12.22	-0.08
wind	-1.3 m/s	velocity	7.53	9.09	8.56	7.84	8.21	8.24	8.18	
Harutake, Anki (JPN)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 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	6.91	12.60	18.34	24.36	24.36	8 / 4		
reaction time	0.186	interval		5.69	5.74	6.02	# of strides	12.60	11.76	0.84
wind	4.3 m/s	velocity	7.24	8.79	8.71	8.31	8.21	7.94	8.50	
Hao Miao (CHN) (2002)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2023 Chinese National Grand Prix 3 (Taizhou, CHN) <i>Shandong Athletics Sport Science (2023)</i>										
date	27-May-23	time	12.04	17.92	24.36	24.36	6 / 2			
reaction time	0.182	interval		5.88	6.44		# of strides	12.04	12.32	-0.28
wind	-2.0 m/s	velocity	8.31	8.50	7.76	8.21	99.0	8.31	8.12	
Vetter, Anouk (NED) (1993)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>										
date	08-Aug-24	time	6.62	12.11	17.96	24.36	24.36	3 / 6		
reaction time	0.152	interval		5.49	5.85	6.40	# of strides	12.11	12.25	-0.14
wind	-0.5 m/s	velocity	7.55	9.11	8.55	7.81	8.21	8.26	8.16	
Sprengel, Sandrina (GER) (2004)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2025 World Athletics Championships (Tokyo, JPN) <i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	19-Sep-25	time	12.17		24.36	24.36	7 / 4			
reaction time	0.183	interval			12.19		# of strides	12.17	12.19	-0.02
wind	0.2 m/s	velocity	8.22		8.20	8.21	95.0	8.22	8.20	
West, Tori (AUS) (1995)										
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2025 World Athletics Championships (Tokyo, JPN) <i>Seiko Timing (2025) - 2025 World Championships race analysis</i>										
date	19-Sep-25	time	12.22		24.36	24.36	4 / 2			
reaction time	0.149	interval			12.14		# of strides	12.22	12.14	0.08

wind	-0.3 m/s	velocity	8.18	8.24	8.21	98.0	8.18	8.24			
Banno, Rio (JPN) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)							<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>				
date	01-Aug-12	time	6.83	12.56	18.14	24.37	24.37	6 / 4			
reaction time		interval		5.73	5.58	6.23		# of strides	12.56	11.81	0.75
wind	0.3 m/s	velocity	7.32	8.73	8.96	8.03	8.21		7.96	8.47	
Yamada, Miki (JPN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)							<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>				
date	03-May-19	time	6.68	12.17	17.99	24.37	24.37	3 / 5			
reaction time		interval		5.49	5.82	6.38		# of strides	12.17	12.20	-0.03
wind	-1.2 m/s	velocity	7.49	9.11	8.59	7.84	8.21	104.0	8.22	8.20	
Toyama, Yuri (JPN) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 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	6.74	12.43	18.22	24.37	24.37	1 / 5			
reaction time	0.180	interval		5.69	5.79	6.15		# of strides	12.43	11.94	0.49
wind	4.3 m/s	velocity	7.42	8.79	8.64	8.13	8.21	108.9	8.05	8.38	
Shibafuji, Nao (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Japanese National High School Championships (Sapporo, JPN)							<i>Takashima (2023) - national high school sports festival - biomechanics data</i>				
date	05-Aug-23	time	6.55	12.29	18.17	24.37	24.37	7 / 3			
reaction time	0.220	interval		5.74	5.88	6.20		# of strides	12.29	12.08	0.21
wind	0.2 m/s	velocity	7.63	8.71	8.50	8.06	8.21		8.14	8.28	
Taubert, Lauren (USA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 USA Olympic Trials (Eugene, OR)							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>				
date	23-Jun-24	time	6.58	12.16	18.00	24.37	24.37	4 / 5			
reaction time		interval		5.58	5.84	6.37		# of strides	12.16	12.21	-0.05
wind	1.8 m/s	velocity	7.60	8.96	8.56	7.85	8.21		8.22	8.19	
Chen Yiting (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2024 Chinese National Grand Prix Final (Rizhao, CHN)							<i>Shandong Athletics Sport Science (2024)</i>				
date	29-Jun-24	time		12.21	18.02	24.37	24.37	8 / 4			
reaction time	0.146	interval			5.81	6.35		# of strides	12.21	12.16	0.05
wind	0.2 m/s	velocity		8.19	8.61	7.87	8.21	100.0	8.19	8.22	
Rao, Vandana (IND) (1963)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1985 World Cup (Canberra, AUS)							<i>Veney - 200m women from PJ</i>				
date	04-Oct-85	time		12.5		24.38	24.38	3 / 8			
reaction time		interval				11.88		# of strides	12.50	11.88	0.62
wind	-0.7 m/s	velocity		8.00		8.42	8.20		8.00	8.42	
Aoyama, Seika (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)							<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>				
date	01-Aug-12	time	6.80	12.60	18.17	24.38	24.38	7 / 5			
reaction time		interval		5.80	5.57	6.21		# of strides	12.60	11.78	0.82
wind	0.3 m/s	velocity	7.35	8.62	8.98	8.05	8.20		7.94	8.49	
Schmidová, Martina (CZE) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)							<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>				
date	16-Jun-13	time	6.77	12.21	18.02	24.38	24.38	5 / 2			
reaction time	0.305	interval		5.44	5.81	6.36		# of strides	12.21	12.17	0.04
wind	-1.2 m/s	velocity	7.39	9.19	8.61	7.86	8.20		8.19	8.22	
Nakano, Makoto (JPN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.65	12.20	17.98	24.38	24.38	2 / 6			
reaction time	0.164	interval		5.55	5.78	6.40		# of strides	12.20	12.18	0.02
wind	0.1 m/s	velocity	7.52	9.01	8.65	7.81	8.20	112.0	8.20	8.21	
Shimada, Yukina (JPN) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Japanese National Championships (Osaka, JPN)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	25-Jun-17	time	6.55	12.11	18.05	24.38	24.38	3 / 7			
reaction time	0.159	interval		5.56	5.94	6.33		# of strides	12.11	12.27	-0.16

wind	-0.2 m/s	velocity	7.63	8.99	8.42	7.90	8.20		8.26	8.15
Nagano, Mariko (JPN) (1994)										
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	22-Sep-18	time	6.56	12.07	17.94	24.38	24.38	6 / 4		
reaction time	0.166	interval		5.51	5.87	6.44		# of strides	12.07	12.31
wind	0.2 m/s	velocity	7.62	9.07	8.52	7.76	8.20		8.29	8.12
Nagura, Chiaki (JPN) (1993)										
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	22-Sep-18	time	6.64	12.17	18.04	24.38	24.38	8 / 5		
reaction time	0.146	interval		5.53	5.87	6.34		# of strides	12.17	12.21
wind	0.2 m/s	velocity	7.53	9.04	8.52	7.89	8.20		8.22	8.19
Caligiuri, Iris (SUI) (2003)										
FINAL	- 2023 Athletissima (Lausanne, SUI)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Omega Timing (2023) - diamond league race analysis</i>									
date	30-Jun-23	time	6.59	12.06	17.92	24.38	24.38	1 / 8		
reaction time	0.143	interval		5.47	5.86	6.46		# of strides	12.06	12.32
wind	-0.4 m/s	velocity	7.59	9.14	8.53	7.74	8.20		8.29	8.12
Hawkins, Chari (USA) (1991)										
Heptathlon - Heat 3	- 2023 World Athletics Championships (Budapest, HUN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2023) - world championship race analysis</i>									
date	19-Aug-23	time		12.28	24.38	24.38	24.38	3 / 7		
reaction time	0.167	interval			12.10			# of strides	12.28	12.10
wind	0.0 m/s	velocity		8.14	8.26	8.20		97.0	8.14	8.26
Sulek-Schubert, Adrianna (POL) (1991)										
Heptathlon - Heat 2	- 2025 World Athletics Championships (Tokyo, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>									
date	19-Sep-25	time		12.29	24.38	24.38	24.38	8 / 3		
reaction time	0.201	interval			12.09			# of strides	12.29	12.09
wind	-0.3 m/s	velocity		8.14	8.27	8.20		101.0	8.14	8.27
Ström, Malin (SWE) (1986)										
B FINAL	- 2007 Windsprint (Sundsvall, SWE)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>									
date	24-Jul-07	time		12.33	18.15	24.39	24.39	4 / 1		
reaction time		interval			5.82	6.24		# of strides	12.33	12.06
wind	2.0 m/s	velocity		8.11	8.59	8.01	8.20		8.11	8.29
Mächtig, Julia (GER) (1973)										
Heptathlon - Heat 3	- 2009 IAAF World Championships (Berlin, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	15-Aug-09	time	6.78	12.31	18.13	24.39	24.39	2 / 4		
reaction time	0.181	interval		5.53	5.82	6.26		# of strides	12.31	12.08
wind	-0.2 m/s	velocity	7.37	9.04	8.59	7.99	8.20	91.5	8.12	8.28
Nobuoka, Sakie (JPN) (1977)										
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>									
date	12-Jun-11	time	6.66	12.21	18.08	24.39	24.39	/ 6		
reaction time		interval		5.55	5.87	6.31		# of strides	12.21	12.18
wind	-0.7 m/s	velocity	7.51	9.01	8.52	7.92	8.20		8.19	8.21
Saito, Ami (JPN) (1999)										
FINAL	- 2017 Japanese National Championships (Osaka, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>									
date	25-Jun-17	time	6.69	12.23	18.05	24.39	24.39	8 / 8		
reaction time	0.188	interval		5.54	5.82	6.34		# of strides	12.23	12.16
wind	-0.2 m/s	velocity	7.47	9.03	8.59	7.89	8.20		8.18	8.22
Hirosawa, Mae (JPN) (1997)										
A FINAL	- 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>									
date	03-May-19	time	6.70	12.34	18.21	24.39	24.39	9 / 6		
reaction time		interval		5.64	5.87	6.18		# of strides	12.34	12.05
wind	-1.2 m/s	velocity	7.46	8.87	8.52	8.09	8.20	99.5	8.10	8.30
Yamada, Miki (JPN) (1999)										
FINAL	- 2019 Seiko Golden Grand Prix (Osaka, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>									
date	19-May-19	time	6.72	12.19	18.10	24.39	24.39	3 / 8		
reaction time	0.179	interval		5.47	5.91	6.29		# of strides	12.19	12.20

wind	0.5 m/s	velocity	7.44	9.14	8.46	7.95	8.20	105.7	8.20	8.20	
Caligiuri, Iris (SUI) (2003)											
FINAL - 2022 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	26-Aug-22	time	6.6	12.1	18.0	24.39	24.39	1 / 8			
reaction time	0.127	interval		5.50	5.90	6.39	=PB	# of strides	12.10	12.29	-0.19
wind	-0.9 m/s	velocity	7.58	9.09	8.47	7.82	8.20		8.26	8.14	
Thiam, Nafissatou (BEL) (1994)											
Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	17-Jul-22	time		12.35		24.39	24.39	2 / 2			
reaction time	0.138	interval				12.04		# of strides	12.35	12.04	0.31
wind	1.5 m/s	velocity		8.10		8.31	8.20	91.0	8.10	8.31	
Banno, Rio (JPN) (1990)											
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	18-Apr-15	time	6.80	12.44	18.29	24.40	24.40	8 / 5			
reaction time		interval		5.64	5.85	6.11		# of strides	12.44	11.96	0.48
wind	1.7 m/s	velocity	7.35	8.87	8.55	8.18	8.20	98.0	8.04	8.36	
Kurashige, Miu (JPN) (2004)											
A FINAL - 2020 Japanese High School National Championships (Hiroshima, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	25-Oct-20	time	6.75	12.42	18.21	24.40	24.40	6 / 6			
reaction time	0.165	interval		5.67	5.79	6.19		# of strides	12.42	11.98	0.44
wind	4.3 m/s	velocity	7.41	8.82	8.64	8.08	8.20	104.0	8.05	8.35	
Kageyama, Sakiho (JPN) (2002)											
FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	25-Oct-20	time	6.70	12.31	18.07	24.40	24.40	5 / 3			
reaction time	0.151	interval		5.61	5.76	6.33		# of strides	12.31	12.09	0.22
wind	1.7 m/s	velocity	7.46	8.91	8.68	7.90	8.20	114.7	8.12	8.27	
Roelofs, Anna (NED) (2001)											
National FINAL - 2024 FBK Games (Hengelo, NED)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - continental tour gold race analysis</i>											
date	07-Jul-24	time	6.80	12.27	18.12	24.40	24.40	7 / 1			
reaction time	0.147	interval		5.47	5.85	6.28		# of strides	12.27	12.13	0.14
wind	-0.3 m/s	velocity	7.35	9.14	8.55	7.96	8.20		8.15	8.24	
Frey, Carina (GER) (1994)											
FINAL - 2010 German National Youth Championships (Ulm, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-10	time		12.33	18.09	24.41	24.41	/ 4			
reaction time		interval			5.76	6.32	PB	# of strides	12.33	12.08	0.25
wind	-0.2 m/s	velocity		8.11	8.68	7.91	8.19		8.11	8.28	
Banno, Rio (JPN) (1990)											
FINAL - 2015 Japanese National Championships (Niigata, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	27-Jun-15	time	6.75	12.35	18.15	24.41	24.41	9 / 7			
reaction time	0.156	interval		5.60	5.80	6.26		# of strides	12.35	12.06	0.29
wind	0.1 m/s	velocity	7.41	8.93	8.62	7.99	8.19	98.7	8.10	8.29	
Shibata, Mie (JPN) (1998)											
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>											
date	01-Aug-16	time	6.61	12.30	18.19	24.41	24.41	7 / 3			
reaction time	0.183	interval		5.69	5.89	6.22		# of strides	12.30	12.11	0.19
wind	1.2 m/s	velocity	7.56	8.79	8.49	8.04	8.19		8.13	8.26	
Olear, Elizabeth (USA) (1988)											
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>USATF Women's Sprint Development (2003)</i>											
date	21-Jun-03	time			18.09	24.42	24.42	2 / 7			
reaction time		interval				6.33		# of strides			
wind	-1.5 m/s	velocity			8.29	7.90	8.19				
Aoyama, Seika (JPN) (1996)											
B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>											
date	03-May-19	time	6.85	12.44	18.21	24.42	24.42	3 / 5			
reaction time		interval		5.59	5.77	6.21		# of strides	12.44	11.98	0.46

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

wind	-0.3 m/s	velocity	7.30	8.94	8.67	8.05	8.19	105.2	8.04	8.35	
Kobari, Akiha (JPN) (2006)											
FINAL	- 2022 Japanese National High School Championships (Naruto, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Aug-22	time	6.67	12.35	18.10	24.42	24.42	9 / 2			
reaction time	0.160	interval		5.68	5.75	6.32	PB	# of strides	12.35	12.07	0.28
wind	-1.2 m/s	velocity	7.50	8.80	8.70	7.91	8.19		8.10	8.29	
Sugimoto, Shinyui (JPN)											
FINAL	- 2023 Japanese National High School Championships (Sapporo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Aug-23	time	6.83	12.67	18.44	24.42	24.42	8 / 4			
reaction time	0.210	interval		5.84	5.77	5.98		# of strides	12.67	11.75	0.92
wind	0.2 m/s	velocity	7.32	8.56	8.67	8.36	8.19		7.89	8.51	
He Liujiang (CHN) (2000)											
Semi-Final 1	- 2024 Chinese National Championships (Quzhou, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	15-Sep-24	time		12.14	17.98	24.42	24.42	3 / 6			
reaction time	0.189	interval			5.84	6.44		# of strides	12.14	12.28	-0.14
wind	0.9 m/s	velocity		8.24	8.56	7.76	8.19	105.5	8.24	8.14	
Cederkvist, Astrid (NOR) (1994)											
B FINAL	- 2012 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-Jun-12	time		12.34		24.43	24.43	/ 1			
reaction time		interval				12.09		# of strides	12.34	12.09	0.25
wind	1.9 m/s	velocity		8.10		4.09	8.19		8.10	8.27	
Yamada, Miki (JPN) (1999)											
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-17	time	6.69	12.25	18.02	24.43	24.43	6 / 3			
reaction time	0.184	interval		5.56	5.77	6.41		# of strides	12.25	12.18	0.07
wind	-0.2 m/s	velocity	7.47	8.99	8.67	7.80	8.19		8.16	8.21	
Wada, Maki (JPN) (1986)											
FINAL	- 2019 Japanese National Championships (Fukuoka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	30-Jun-19	time	6.49	12.03	17.94	24.43	24.43	2 / 5			
reaction time	0.155	interval		5.54	5.91	6.49		# of strides	12.03	12.40	-0.37
wind	-0.4 m/s	velocity	7.70	9.03	8.46	7.70	8.19	105.0	8.31	8.06	
Takeishi, Konomi (JPN) (1991)											
FINAL	- 2020 All Japan Corporate Championships (Kumagaya, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Sep-20	time	6.78	12.35	18.23	24.43	24.43	9 / 3			
reaction time	0.146	interval		5.57	5.88	6.20		# of strides	12.35	12.08	0.27
wind	0.6 m/s	velocity	7.37	8.98	8.50	8.06	8.19		8.10	8.28	
Kurashige, Miu (JPN) (2004)											
FINAL	- 2021 Japanese U20 National Championships (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	27-Jun-21	time	6.61	12.16	18.04	24.43	24.43	6 / 2			
reaction time	0.170	interval		5.55	5.88	6.39	PB	# of strides	12.16	12.27	-0.11
wind	-0.4 m/s	velocity	7.56	9.01	8.50	7.82	8.19	103.2	8.22	8.15	
Atcho, Sarah (SUI) (1995)											
FINAL	- 2021 Golden Gala Pietro Mennea (Florence, ITA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Jun-21	time	6.8	12.3	18.1	24.43	24.43	1 / 8			
reaction time	0.145	interval		5.50	5.80	6.33		# of strides	12.30	12.13	0.17
wind	0.2 m/s	velocity	7.35	9.09	8.62	7.90	8.19	94.7	8.13	8.24	
Oosterwegel, Emma (NED) (1998)											
Heptathlon - Heat 1	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-Jul-22	time		12.58		24.43	24.43	3 / 3			
reaction time	0.198	interval				11.85		# of strides	12.58	11.85	0.73
wind	1.5 m/s	velocity		7.95		8.44	8.19	96.5	7.95	8.44	
Wisil, Toea (PNG) (1988)											
Semi-Final 3	- 2022 Commonwealth Games (Birmingham, GBR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Aug-22	time	6.5	12.0	17.8	24.43	24.43	9 / 8			
reaction time	0.173	interval		5.50	5.80	6.63		# of strides	12.00	12.43	-0.43

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

wind	1.5 m/s	velocity	7.69	9.09	8.62	7.54	8.19		8.33	8.05
Samotiyosova, Lyudmila (URS) (1939) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Heat 2 - 1969 European Championships (Athens, GRE)							<i>(1964) - einschätzung der einzelnen leichtathletischen disziplinen</i>			
date	18-Sep-69	time	11.90		24.3	24.2	/ 2			
reaction time		interval			12.40		# of strides	11.90	12.40	-0.50
wind	-2.0 m/s	velocity	8.40		8.06	8.26		8.40	8.06	
Lacambra, Blanca (ESP) (1965) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 1989 IAAF World Cup (Barcelona, ESP)							<i>Pascua (1990) - atletismo (I) carreras y marcha</i>			
date	08-Sep-89	time	12.26	18.20	24.44	24.44	/ 9			
reaction time		interval		5.94	6.24		# of strides	12.26	12.18	0.08
wind	0.2 m/s	velocity	8.16	8.42	8.01	8.18		8.16	8.21	
Kodama, Mei (JPN) (1999) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)							<i>Kota (2017) - 70th high school championships: JAF scientific committee</i>			
date	01-Aug-17	time	6.65	12.32	18.12	24.44	24.44	3 / 4		
reaction time	0.194	interval		5.67	5.80	6.32	# of strides	12.32	12.12	0.20
wind	-0.2 m/s	velocity	7.52	8.82	8.62	7.91	8.18	8.12	8.25	
Kashiyama, Kaede (JPN) (1994) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)							<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>			
date	22-Sep-18	time	6.69	12.26	18.10	24.44	24.44	3 / 6		
reaction time	0.153	interval		5.57	5.84	6.34	# of strides	12.26	12.18	0.08
wind	0.2 m/s	velocity	7.47	8.98	8.56	7.89	8.18	8.16	8.21	
Uchiyama, Kyoka (JPN) (2003) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)							<i>Uchiyama (2019) - research on athlete performance and technique- 2019 data book</i>			
date	20-Oct-19	time	6.72	12.27	18.19	24.44	24.44	7 / 4		
reaction time	0.175	interval		5.55	5.92	6.25	# of strides	12.27	12.17	0.10
wind	-1.3 m/s	velocity	7.44	9.01	8.45	8.00	8.18	105.0	8.15	8.22
Kuboyama, Haruna (JPN) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)							<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>			
date	20-Sep-20	time	6.69	12.27	18.13	24.44	24.44	8 / 4		
reaction time	0.179	interval		5.58	5.86	6.31	# of strides	12.27	12.17	0.10
wind	0.6 m/s	velocity	7.47	8.96	8.53	7.92	8.18	8.15	8.22	
Igarashi, Yuka (JPN) (1991) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2009 Japanese National High School Championships (Nara, JPN)							<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>			
date	01-Aug-09	time	6.68	12.25	18.13	24.45	24.45	4 / 2		
reaction time		interval		5.57	5.88	6.32	# of strides	12.25	12.20	0.05
wind	0.3 m/s	velocity	7.49	8.98	8.50	7.91	8.18	8.16	8.20	
Riedl, Julia (GER) (1992) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2010 German National Junior Championships (Ulm, GER)							<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>			
date	07-Aug-10	time	12.43	18.15	24.45	24.45	/ 3			
reaction time		interval		5.72	6.30		# of strides	12.43	12.02	0.41
wind	-0.1 m/s	velocity	8.05	8.74	7.94	8.18		8.05	8.32	
Takamori, Maho (JPN) (1996) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)							<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>			
date	01-Aug-12	time	6.73	12.54	18.17	24.45	24.45	9 / 6		
reaction time		interval		5.81	5.63	6.28	# of strides	12.54	11.91	0.63
wind	0.3 m/s	velocity	7.43	8.61	8.88	7.96	8.18	7.97	8.40	
Kawanaka, Aori (JPN) (2001) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)							<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>			
date	05-Aug-18	time	6.75	12.39	18.17	24.45	24.45	8 / 7		
reaction time		interval		5.64	5.78	6.28	# of strides	12.39	12.06	0.33
wind	0.8 m/s	velocity	7.41	8.87	8.65	7.96	8.18	8.07	8.29	
Marsh, Erin (USA) (1999) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Heptathlon - Heat 2 - 2024 USA Olympic Trials (Eugene, OR)							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>			
date	23-Jun-24	time	6.48	12.07	17.94	24.45	24.45	6 / 4		
reaction time		interval		5.59	5.87	6.51	# of strides	12.07	12.38	-0.31

wind	1.1 m/s	velocity	7.72	8.94	8.52	7.68	8.18		8.29	8.08	
Martin, Eva (ESP) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 European Cup (Munich, GER)								<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>			
date	24-Jun-07	time		12.28	18.12	24.46	24.46	/ 8			
reaction time	0.169	interval			5.84	6.34		# of strides	12.28	12.18	0.10
wind	-2.0 m/s	velocity		8.14	8.56	7.89	8.18		8.14	8.21	
Seidlová, Klára (CZE) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)								<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>			
date	16-Jun-13	time	6.67	12.20	18.03	24.46	24.46	3 / 3			
reaction time	0.159	interval		5.53	5.83	6.43		# of strides	12.20	12.26	-0.06
wind	-1.2 m/s	velocity	7.50	9.04	8.58	7.78	8.18		8.20	8.16	
El Hachimi, Sara (MAR) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)								<i>Omega Timing (2023) - diamond league race analysis</i>			
date	28-May-23	time	6.63	12.17	18.03	24.48	24.46	4 / 1			
reaction time	0.178	interval		5.54	5.86	6.45		# of strides	12.17	12.31	-0.14
wind	1.4 m/s	velocity	7.54	9.03	8.53	7.75	8.18		8.22	8.12	
Balogun, Haru (JPN) (2009)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)								<i>Takashima (2024) - national high school sports festival - biomechanics data</i>			
date	31-Jul-24	time	6.81	12.54	18.35	24.46	24.46	9 / 6			
reaction time	0.233	interval		5.73	5.81	6.11		# of strides	12.54	11.92	0.62
wind	1.1 m/s	velocity	7.34	8.73	8.61	8.18	8.18		7.97	8.39	
Thiam, Nafissatou (BEL) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2024 Olympic Games (Paris, FRA)								<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	08-Aug-24	time	6.67	12.21	18.10	24.46	24.46	6 / 2			
reaction time	0.137	interval		5.54	5.89	6.36		# of strides	12.21	12.25	-0.04
wind	0.2 m/s	velocity	7.50	9.03	8.49	7.86	8.18	92.0	8.19	8.16	
Araujo, Martha (COL) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA)								<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	08-Aug-24	time	6.64	12.12	17.93	24.46	24.46	5 / 6			
reaction time	0.163	interval		5.48	5.81	6.53		# of strides	12.12	12.34	-0.22
wind	0.4 m/s	velocity	7.53	9.12	8.61	7.66	8.18	103.0	8.25	8.10	
Berntsson, Lena (SWE) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2008 Windsprint (Sundsvall, SWE)								<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	06-Jul-08	time		12.17	18.08	24.47	24.47	6 / 1			
reaction time		interval			5.91	6.39		# of strides	12.17	12.30	-0.13
wind	1.2 m/s	velocity		8.22	8.46	7.82	8.17		8.22	8.13	
Helgesen, Irene (NOR) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2008 Windsprint (Sundsvall, SWE)								<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	06-Jul-08	time	12.27	18.21	24.47	24.47	24.47	3 / 2			
reaction time		interval		5.94	6.26			# of strides	12.27	12.20	0.07
wind	1.2 m/s	velocity		8.15	8.42	7.99	8.17		8.15	8.20	
Elsler, Josefina (GER) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2010 German National Junior Championships (Ulm, GER)								<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>			
date	07-Aug-10	time		12.50	18.27	24.47	24.47	/ 1			
reaction time		interval			5.77	6.20		# of strides	12.50	11.97	0.53
wind	0.9 m/s	velocity		8.00	8.67	8.06	8.17		8.00	8.35	
Ito, Mizuki (JPN) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)								<i>Abe (2011) - 64th high school championships: JAF scientific committee</i>			
date	06-Aug-11	time	6.64	13.43	18.14	24.47	24.47	/ 2			
reaction time		interval		6.79	4.71	6.33		# of strides	13.43	11.04	2.39
wind	0.0 m/s	velocity	7.53	7.36	10.62	7.90	8.17		7.45	9.06	
Kim Min-Ji (KOR) (1990)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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	6.71	12.33	18.20	24.47	24.47	7 / 6			
reaction time		interval		5.62	5.87	6.27		# of strides	12.33	12.14	0.19

wind	1.7 m/s	velocity	7.45	8.90	8.52	7.97	8.17	103.0	8.11	8.24	
Hosoya, Yumi (JPN) (1995)											
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	20-Sep-20	time	6.69	12.23	18.13	24.47	24.47	5 / 5			
reaction time	0.174	interval		5.54	5.90	6.34		# of strides	12.23	12.24	-0.01
wind	0.6 m/s	velocity	7.47	9.03	8.47	7.89	8.17		8.18	8.17	
Lahlali, Salma (MAR) (2003)											
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	6.83	12.42	18.27	24.47	24.47	3 / 1			
reaction time	0.238	interval		5.59	5.85	6.20		# of strides	12.42	12.05	0.37
wind	1.1 m/s	velocity	7.32	8.94	8.55	8.06	8.17		8.05	8.30	
Medic, Maja Emilia (NOR) (2000)											
National FINAL - 2025 Bislett Games (Oslo, NOR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2025) - diamond league race analysis</i>											
date	12-Jun-25	time	6.67	12.28	18.13	24.47	24.47	1 / 5			
reaction time	0.169	interval		5.61	5.85	6.34		# of strides	12.28	12.19	0.09
wind	1.0 m/s	velocity	7.50	8.91	8.55	7.89	8.17		8.14	8.20	
Leerdam, Cinsi (NED) (2006)											
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.77	12.33	18.16	24.47	24.47	8 / 7			
reaction time	0.233	interval		5.56	5.83	6.31		# of strides	12.33	12.14	0.19
wind	-0.4 m/s	velocity	7.39	8.99	8.58	7.92	8.17		8.11	8.24	
Hasegawa, Misato (JPN) (1992)											
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Matsuo (2010) - 63rd high school championships: JAF scientific committee</i>											
date	01-Aug-10	time	7.07	12.67	18.33	24.48	24.48	1 / 1			
reaction time		interval		5.60	5.66	6.15		# of strides	12.67	11.81	0.86
wind	1.0 m/s	velocity	7.07	8.93	8.83	8.13	8.17		7.89	8.47	
Schachtschneider, Maike (GER) (1994)											
FINAL - 2010 German National Youth Championships (Ulm, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-10	time		12.51	18.23	24.48	24.48	1 / 5			
reaction time		interval			5.72	6.25		# of strides	12.51	11.97	0.54
wind	-0.2 m/s	velocity		7.99	8.74	8.00	8.17		7.99	8.35	
Ohuruogu, Christine (GBR) (1984)											
FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Butler (2011) - Gay's last 100 in Manchester street 150</i>											
date	15-May-11	time	6.84	12.43	18.26	24.48	24.48	3 / 4			
reaction time		interval		5.59	5.83	6.22		# of strides	12.43	12.05	0.38
wind	2.6 m/s	velocity	7.31	8.94	8.58	8.04	8.17		8.05	8.30	
Kitazawa, Saya (JPN) (1996)											
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>											
date	01-Aug-12	time	6.77	12.57	18.20	24.48	24.48	5 / 7			
reaction time		interval		5.80	5.63	6.28		# of strides	12.57	11.91	0.66
wind	0.3 m/s	velocity	7.39	8.62	8.88	7.96	8.17		7.96	8.40	
Iki, Aiko (JPN) (2000)											
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>											
date	30-Jun-19	time	6.76	12.39	18.22	24.49	24.49	8 / 6			
reaction time	0.163	interval		5.63	5.83	6.27		# of strides	12.39	12.10	0.29
wind	-0.4 m/s	velocity	7.40	8.88	8.58	7.97	8.17		8.07	8.26	
Hawkins, Chari (USA) (1991)											
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	08-Aug-24	time	6.65	12.18	18.02	24.49	24.49	4 / 7			
reaction time	0.178	interval		5.53	5.84	6.47		# of strides	12.18	12.31	-0.13
wind	0.4 m/s	velocity	7.52	9.04	8.56	7.73	8.17	95.0	8.21	8.12	
Azari, Dorota (SVK) (2009)											
Semi-Final 2 - 2025 European Athletics U20 Championships (Tampere, FIN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>European Athletics (2025) - 2025 european athletics U20 champs - results book</i>											
date	09-Aug-25	time	6.71	12.26	18.16	24.49	24.49	1 / 8			
reaction time	0.149	interval		5.55	5.90	6.33		# of strides	12.26	12.23	0.03

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

wind	-0.4 m/s	velocity	7.45	9.01	8.47	7.90	8.17		8.16	8.18	
Seko, Nodoka (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Japanese National High School Championships (Nara, JPN)							<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>				
date	01-Aug-09	time	6.69	12.30	18.18	24.50	24.50	8 / 3			
reaction time		interval		5.61	5.88	6.32		# of strides	12.30	12.20	0.10
wind	0.3 m/s	velocity	7.47	8.91	8.50	7.91	8.16		8.13	8.20	
Iki, Aiko (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)							<i>Ryuma (2019) - research on athlete performance and technique- 2019 data book</i>				
date	20-Oct-19	time	6.78	12.39	18.27	24.50	24.50	4 / 3			
reaction time	0.213	interval		5.61	5.88	6.23		# of strides	12.39	12.11	0.28
wind	-0.8 m/s	velocity	7.37	8.91	8.50	8.03	8.16	103.2	8.07	8.26	
Neal, Tangela (USA) (1979)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2008 Windsprint (Sundsvall, SWE)							<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>				
date	06-Jul-08	time		12.25	18.12	24.51	24.51	4 / 3			
reaction time		interval			5.87	6.39		# of strides	12.25	12.26	-0.01
wind	1.2 m/s	velocity		8.16	8.52	7.82	8.16		8.16	8.16	
Fukuda, Tomomi (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Japanese National High School Championships (Nara, JPN)							<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>				
date	01-Aug-09	time	6.75	12.37	18.26	24.51	24.51	7 / 4			
reaction time		interval		5.62	5.89	6.25		# of strides	12.37	12.14	0.23
wind	0.3 m/s	velocity	7.41	8.90	8.49	8.00	8.16		8.08	8.24	
Elsler, Josefina (GER) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Junior Championships (Ulm, GER)							<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>				
date	07-Aug-10	time		12.50	18.33	24.51	24.51	/ 4			
reaction time		interval			5.83	6.18		# of strides	12.50	12.01	0.49
wind	-0.1 m/s	velocity		8.00	8.58	8.09	8.16		8.00	8.33	
Idoabigeiru, Fuka (JPN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)							<i>Kata (2018) - 71st high school championships: JAF scientific committee - biomechanics</i>				
date	05-Aug-18	time	6.65	12.33	18.19	24.51	24.51	3 / 8			
reaction time		interval		5.68	5.86	6.32		# of strides	12.33	12.18	0.15
wind	0.8 m/s	velocity	7.52	8.80	8.53	7.91	8.16		8.11	8.21	
Nagaoka, Risa (JPN) (2008)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2024 Shimane High School Championships (Izumo, JPN)							<i>Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis</i>				
date	26-May-24	time		12.34	18.23	24.51	24.51	8 / 1			
reaction time		interval			5.89	6.28		# of strides	12.34	12.17	0.17
wind	1.0 m/s	velocity		8.10	8.49	7.96	8.16		8.10	8.22	
Fujisawa, Sayaka (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	03-May-17	time	6.78	12.32	18.16	24.52	24.52	9 / 5			
reaction time		interval		5.54	5.84	6.36		# of strides	12.32	12.20	0.12
wind	-0.5 m/s	velocity	7.37	9.03	8.56	7.86	8.16		8.12	8.20	
Fuji, Mio (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)							<i>Ryuma (2019) - research on athlete performance and technique- 2019 data book</i>				
date	20-Oct-19	time	6.69	12.30	18.21	24.52	24.52	6 / 4			
reaction time	0.159	interval		5.61	5.91	6.31		# of strides	12.30	12.22	0.08
wind	-0.8 m/s	velocity	7.47	8.91	8.46	7.92	8.16	101.5	8.13	8.18	
Wingfield, Charlotte (MLT) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2022 Commonwealth Games (Birmingham, GBR)							<i>Longines Timing (2022) - commonwealth games race analysis</i>				
date	05-Aug-22	time	6.6	12.3	18.1	24.52	24.52	3 / 8			
reaction time	0.145	interval		5.70	5.80	6.42		# of strides	12.30	12.22	0.08
wind	1.9 m/s	velocity	7.58	8.77	8.62	7.79	8.16	98.0	8.13	8.18	
Zuo Siyu (CHN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Chinese National Grand Prix 4 (Chongqing, CHN)							<i>Shandong Athletics Sport Science (2023)</i>				
date	04-Jun-23	time		12.06	17.92	24.52	24.52	4 / 2			
reaction time	0.197	interval			5.86	6.60		# of strides	12.06	12.46	-0.40

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DV=Drug Violation

wind	-0.1 m/s	velocity	8.29	8.53	7.58	8.16	108.0	8.29	8.03	
Hashizume, Sakina (JPN) (1993)										
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Matsuo (2010) - 63rd high school championships: JAF scientific committee										
date	01-Aug-10	time	6.84	12.50	18.30	24.53	24.53	/ 2		
reaction time		interval		5.66	5.80	6.23	PB	# of strides	12.50	12.03
wind	1.0 m/s	velocity	7.31	8.83	8.62	8.03	8.15		8.00	8.31
Nagaoka, Risa (JPN) (2008)										
FINAL - 2025 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Shimizu (2025) - shimane high school championships 2025 - biomechanics data analysis										
date	01-Jun-25	time	12.40	18.25	24.53	24.53	24.53	6 / 2		
reaction time		interval		5.85	6.28			# of strides	12.40	12.13
wind	2.5 m/s	velocity	8.06	8.55	7.96	8.15			8.06	8.24
Holzschuh, Marie (GER) (1994)										
FINAL - 2010 German National Youth Championships (Ulm, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Graubner (2010) - http://www.fgs.uni-halle.de										
date	08-Aug-10	time	12.62	18.34	24.54	24.54	24.54	/ 6		
reaction time		interval		5.72	6.20			# of strides	12.62	11.92
wind	-0.2 m/s	velocity	7.92	8.74	8.06	8.15			7.92	8.39
Miyake, Naoka (JPN) (1991)										
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Yamanaka (2019) - research on athlete performance and technique- 2019 data book										
date	30-Jun-19	time	6.68	12.27	18.15	24.54	24.54	3 / 7		
reaction time	0.150	interval		5.59	5.88	6.39		# of strides	12.27	12.27
wind	-0.4 m/s	velocity	7.49	8.94	8.50	7.82	8.15	101.5	8.15	8.15
Fuse, Ichiha (JPN) (2008)										
FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Takashima (2024) - national high school sports festival - biomechanics data										
date	31-Jul-24	time	6.59	12.24	18.13	24.54	24.54	4 / 7		
reaction time	0.176	interval		5.65	5.89	6.41		# of strides	12.24	12.30
wind	1.1 m/s	velocity	7.59	8.85	8.49	7.80	8.15		8.17	8.13
Stadler, Leana (SUI) (2008)										
U18/U20 FINAL - 2025 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Omega Timing (2025) - diamond league race analysis										
date	20-Aug-25	time	6.65	12.14	18.03	24.54	24.54	6 / 2		
reaction time	0.132	interval		5.49	5.89	6.51		# of strides	12.14	12.40
wind	0.1 m/s	velocity	7.52	9.11	8.49	7.68	8.15		8.24	8.06
Thomas, Vashti (USA) (1990)										
A FINAL - 2013 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
(2013) - www.ssg.se/windsprint/Splittider/										
date	28-Jul-13	time	12.21	18.14	24.55	24.55	24.55	5 / 5		
reaction time		interval		5.93	6.41			# of strides	12.21	12.34
wind	1.6 m/s	velocity	8.19	8.43	7.80	8.15			8.19	8.10
Morgan, Lynette (SWE) (1991)										
C FINAL - 2014 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Johansen (2014) - www.ssg.se/windsprint/Splittider/										
date	20-Jul-14	time	12.65		24.55	24.55	24.55	5 / 1		
reaction time		interval			11.90			# of strides	12.65	11.90
wind	1.6 m/s	velocity	7.91		8.40	8.15			7.91	8.40
Aoki, Rin (JPN) (1998)										
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Kota (2016) - 69th high school championships: JAF scientific committee										
date	01-Aug-16	time	6.70	12.38	18.21	24.55	24.55	8 / 4		
reaction time	0.177	interval		5.68	5.83	6.34		# of strides	12.38	12.17
wind	1.2 m/s	velocity	7.46	8.80	8.58	7.89	8.15		8.08	8.22
Shimada, Yukina (JPN) (1998)										
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Kota (2016) - 69th high school championships: JAF scientific committee										
date	01-Aug-16	time	6.56	12.30	18.25	24.55	24.55	4 / 5		
reaction time	0.179	interval		5.74	5.95	6.30		# of strides	12.30	12.25
wind	1.2 m/s	velocity	7.62	8.71	8.40	7.94	8.15		8.13	8.16
Hirosawa, Mae (JPN) (1997)										
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020										
date	20-Sep-20	time	6.68	12.28	18.18	24.55	24.55	2 / 6		
reaction time	0.163	interval		5.60	5.90	6.37		# of strides	12.28	12.27

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DV=Drug Violation

wind	0.6 m/s	velocity	7.49	8.93	8.47	7.85	8.15		8.14	8.15	
Liao Mengxue (CHN) (1995)											
FINAL	- 2021 Chinese National Championships (Chongqing, CHN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
CAA Hurdle Development (2021)											
date	27-Jun-21	time		12.30	18.17	24.55	24.55	2 / 4			
reaction time	0.211	interval			5.87	6.38		# of strides	12.30	12.25	0.05
wind	-0.2 m/s	velocity		8.13	8.52	7.84	8.15	99.0	8.13	8.16	
Hatano, Minami (JPN) (1998)											
FINAL	- 2016 Japanese National High School Championships (Okayama, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kota (2016) - 69th high school championships: JAF scientific committee											
date	01-Aug-16	time	6.70	12.45	18.32	24.56	24.56	9 / 6			
reaction time	0.150	interval		5.75	5.87	6.24		# of strides	12.45	12.11	0.34
wind	1.2 m/s	velocity	7.46	8.70	8.52	8.01	8.14		8.03	8.26	
Igoshi, Akari (JPN) (2000)											
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kota (2017) - 70th high school championships: JAF scientific committee											
date	01-Aug-17	time	6.68	12.43	18.30	24.56	24.56	9 / 5			
reaction time	0.177	interval		5.75	5.87	6.26		# of strides	12.43	12.13	0.30
wind	-0.2 m/s	velocity	7.49	8.70	8.52	7.99	8.14		8.05	8.24	
Aoyama, Hanae (JPN) (2002)											
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ryutaro (2018) - research on athlete performance and technique											
date	21-Oct-18	time	6.78	12.30	18.11	24.56	24.56	3 / 2			
reaction time	0.175	interval		5.52	5.81	6.45		# of strides	12.30	12.26	0.04
wind	1.5 m/s	velocity	7.37	9.06	8.61	7.75	8.14		8.13	8.16	
Saito, Ami (JPN) (1999)											
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ryutaro (2018) - research on athlete performance and technique											
date	21-Oct-18	time	6.72	12.26	18.10	24.56	24.56	6 / 6			
reaction time	0.178	interval		5.54	5.84	6.46		# of strides	12.26	12.30	-0.04
wind	1.5 m/s	velocity	7.44	9.03	8.56	7.74	8.14		8.16	8.13	
Mimura, Kanami (JPN) (2001)											
FINAL	- 2019 Japanese National Championships (Fukuoka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamanaka (2019) - research on athlete performance and technique- 2019 data book											
date	30-Jun-19	time	6.81	12.39	18.20	24.56	24.56	9 / 8			
reaction time	0.211	interval		5.58	5.81	6.36		# of strides	12.39	12.17	0.22
wind	-0.4 m/s	velocity	7.34	8.96	8.61	7.86	8.14		8.07	8.22	
Romijn, Lise (NED) (2005)											
National FINAL	- 2024 FBK Games (Hengelo, NED)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2024) - continental tour gold race analysis											
date	07-Jul-24	time	7.05	12.60	18.36	24.56	24.56	8 / 2			
reaction time	0.244	interval		5.55	5.76	6.20		# of strides	12.60	11.96	0.64
wind	-0.3 m/s	velocity	7.09	9.01	8.68	8.06	8.14		7.94	8.36	
Samuelsson, Jessica (SWE) (1985)											
D FINAL	- 2014 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Johansen (2014) - www.ssg.se/windsprint/Splittider/											
date	20-Jul-14	time		12.59		24.57	24.57	4 / 1			
reaction time		interval				11.98		# of strides	12.59	11.98	0.61
wind	2.0 m/s	velocity		7.94		8.35	8.14		7.94	8.35	
Kawamura, Tomomi (JPN) (1997)											
FINAL	- 2015 Japanese National High School Championships (Wakayama, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Enomoto (2015) - 68th high school championships: JAF scientific committee											
date	01-Aug-15	time	6.51	12.20	18.11	24.57	24.57	6 / 1			
reaction time		interval		5.69	5.91	6.46		# of strides	12.20	12.37	-0.17
wind	-3.4 m/s	velocity	7.68	8.79	8.46	7.74	8.14		8.20	8.08	
Saalberg, Eveline (NED) (1998)											
National FINAL	- 2024 FBK Games (Hengelo, NED)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2024) - continental tour gold race analysis											
date	07-Jul-24	time	6.95	12.50	18.30	24.57	24.57	6 / 3			
reaction time	0.219	interval		5.55	5.80	6.27		# of strides	12.50	12.07	0.43
wind	-0.3 m/s	velocity	7.19	9.01	8.62	7.97	8.14		8.00	8.29	
Latvala, Hanna-Maari (FIN) (1987)											
A FINAL	- 2015 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
(2015) - www.windsprint/Splittider/											
date	26-Jul-15	time		12.25		24.58	24.58	5 / 5			
reaction time		interval				12.33		# of strides	12.25	12.33	-0.08

wind	0.8 m/s	velocity	8.16	8.11	8.14	8.16	8.11				
Kishimoto, Wakana (JPN) (1998)											
FINAL	- 2016 Japanese National High School Championships (Okayama, JPN)					Kota (2016) - 69th high school championships: JAF scientific committee					
date	01-Aug-16	time	6.64	12.36	18.26	24.58	24.58	3 / 7			
reaction time	0.170	interval		5.72	5.90	6.32		# of strides	12.36	12.22	0.14
wind	1.2 m/s	velocity	7.53	8.74	8.47	7.91	8.14		8.09	8.18	
Taji, Haruka (JPN) (2002)											
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)					Ryutaro (2018) - research on athlete performance and technique					
date	21-Oct-18	time	6.87	12.41	18.23	24.58	24.58	5 / 3			
reaction time	0.179	interval		5.54	5.82	6.35		# of strides	12.41	12.17	0.24
wind	1.5 m/s	velocity	7.28	9.03	8.59	7.87	8.14		8.06	8.22	
Miura, Yuna (JPN) (2002)											
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)					Ryutaro (2018) - research on athlete performance and technique					
date	21-Oct-18	time	6.80	12.35	18.22	24.58	24.58	4 / 4			
reaction time	0.172	interval		5.55	5.87	6.36		# of strides	12.35	12.23	0.12
wind	1.5 m/s	velocity	7.35	9.01	8.52	7.86	8.14		8.10	8.18	
Oosterwegel, Emma (NED) (1998)											
Heptathlon - Heat 2	- 2023 World Athletics Championships (Budapest, HUN)					Seiko Timing (2023) - world championship race analysis					
date	19-Aug-23	time		12.47		24.58	24.58	5 / 2			
reaction time	0.193	interval				12.11		# of strides	12.47	12.11	0.36
wind	-0.1 m/s	velocity		8.02		8.26	8.14	99.0	8.02	8.26	
Murakami, Hikaru (JPN) (2002)											
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)					Ryutaro (2018) - research on athlete performance and technique					
date	21-Oct-18	time	7.01	12.56	18.32	24.59	24.59	8 / 5			
reaction time	0.252	interval		5.55	5.76	6.27		# of strides	12.56	12.03	0.53
wind	1.5 m/s	velocity	7.13	9.01	8.68	7.97	8.13		7.96	8.31	
Zhu Cuiyan (CHN) (2000)											
Heat 1	- 2020 Chinese Olympic Trials (Shaoxing, CHN)					CAA Hurdle Development (2021)					
date	12-Jun-21	time		12.14		24.59	24.59	3 / 5			
reaction time	0.199	interval				12.45		# of strides	12.14	12.45	-0.31
wind	-0.2 m/s	velocity		8.24		8.03	8.13	104.5	8.24	8.03	
Tarasova, Yuliya (UZB) (1986)											
Heptathlon - Heat 3	- 2009 IAAF World Championships (Berlin, GER)					Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	15-Aug-09	time	6.80	12.17	18.06	24.60	24.60	5 / 5			
reaction time	0.194	interval		5.37	5.89	6.54		# of strides	12.17	12.43	-0.26
wind	-0.2 m/s	velocity	7.35	9.31	8.49	7.65	8.13	95.0	8.22	8.05	
Riedl, Martina (GER) (1992)											
Heat 2	- 2010 German National Junior Championships (Ulm, GER)					Graubner (2010) - http://www.fgs.uni-halle.de					
date	07-Aug-10	time		12.32	18.16	24.60	24.60	/ 1			
reaction time		interval			5.84	6.44		# of strides	12.32	12.28	0.04
wind	0.3 m/s	velocity		8.12	8.56	7.76	8.13		8.12	8.14	
Sugiyama, Sumire (JPN) (1997)											
FINAL	- 2015 Japanese National High School Championships (Wakayama, JPN)					Enomoto (2015) - 68th high school championships: JAF scientific committee					
date	01-Aug-15	time	6.72	12.44	18.23	24.60	24.60	8 / 2			
reaction time		interval		5.72	5.79	6.37	PB	# of strides	12.44	12.16	0.28
wind	-3.4 m/s	velocity	7.44	8.74	8.64	7.85	8.13		8.04	8.22	
Hirsbrunner, Mina (SUI) (2009)											
U18/U20 FINAL	- 2025 Athletissima (Lausanne, SUI)					Omega Timing (2025) - diamond league race analysis					
date	20-Aug-25	time	6.77	12.32	18.19	24.60	24.60	3 / 3			
reaction time	0.177	interval		5.55	5.87	6.41	PB	# of strides	12.32	12.28	0.04
wind	0.1 m/s	velocity	7.39	9.01	8.52	7.80	8.13		8.12	8.14	
Hrůnová, Pavla (CZE) (1986)											
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	6.89	12.12	18.38	24.61	24.61	8 / 6			
reaction time	0.238	interval		5.23	6.26	6.23		# of strides	12.12	12.49	-0.37

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

wind	0.3 m/s	velocity	7.26	9.56	7.99	8.03	8.13		8.25	8.01	
Shuri, Ogi (JPN)											
U20 FINAL	- 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	6.63	12.25	18.18	24.61	24.61	2 / 5			
reaction time	0.173	interval		5.62	5.93	6.43		# of strides	12.25	12.36	-0.11
wind	-0.8 m/s	velocity	7.54	8.90	8.43	7.78	8.13	114.5	8.16	8.09	
Theisen, Brianne (CAN) (1988)											
Heptathlon - Heat 1	- 2009 IAAF World Championships (Berlin, GER)										<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>
date	15-Aug-09	time	6.88	12.35	18.29	24.62	24.62	8 / 6			
reaction time	0.185	interval		5.47	5.94	6.33		# of strides	12.35	12.27	0.08
wind	0.0 m/s	velocity	7.27	9.14	8.42	7.90	8.12	96.5	8.10	8.15	
Günther, Leena (GER) (1991)											
Heat 1	- 2010 German National Junior Championships (Ulm, GER)										<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>
date	07-Aug-10	time		12.55	18.36	24.62	24.62	/ 1			
reaction time		interval			5.81	6.26		# of strides	12.55	12.07	0.48
wind	0.0 m/s	velocity		7.97	8.61	7.99	8.12		7.97	8.29	
Bamane, Gladys (SWE) (1989)											
B FINAL	- 2014 Windsprint (Sundsvall, SWE)										<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>
date	20-Jul-14	time		12.55		24.62	24.62	2 / 2			
reaction time		interval				12.07	PB	# of strides	12.55	12.07	0.48
wind	1.8 m/s	velocity		7.97		8.29	8.12		7.97	8.29	
Nakamura, Mizuki (JPN) (1996)											
B FINAL	- 2018 Shizuoka International Meeting (Fukuroi, JPN)										<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>
date	03-May-18	time	6.78	12.36	18.23	24.62	24.62	7 / 4			
reaction time	0.184	interval		5.58	5.87	6.39		# of strides	12.36	12.26	0.10
wind	0.7 m/s	velocity	7.37	8.96	8.52	7.82	8.12	99.2	8.09	8.16	
Miura, Karen (JPN) (2005)											
FINAL	- 2023 Japanese National High School Championships (Sapporo, JPN)										<i>Takashima (2023) - national high school sports festival - biomechanics data</i>
date	05-Aug-23	time	6.73	12.53	18.41	24.62	24.62	2 / 5			
reaction time	0.198	interval		5.80	5.88	6.21		# of strides	12.53	12.09	0.44
wind	0.2 m/s	velocity	7.43	8.62	8.50	8.05	8.12		7.98	8.27	
Yamada, Eri (JPN) (1993)											
FINAL	- 2011 Japanese National High School Championships (Kitakami, JPN)										<i>Abe (2011) - 64th high school championships: JAF scientific committee</i>
date	06-Aug-11	time	6.67	13.47	18.20	24.63	24.63	/ 3			
reaction time		interval		6.80	4.73	6.43		# of strides	13.47	11.16	2.31
wind	0.0 m/s	velocity	7.50	7.35	10.57	7.78	8.12		7.42	8.96	
Östlund, Elin (SWE) (1991)											
B FINAL	- 2012 Windsprint (Sundsvall, SWE)										<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>
date	17-Jun-12	time		12.55		24.63	24.63	/ 2			
reaction time		interval				12.08		# of strides	12.55	12.08	0.47
wind	1.9 m/s	velocity		7.97		4.06	8.12		7.97	8.28	
Wada, Maki (JPN) (1986)											
FINAL	- 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	6.67	12.33	18.23	24.63	24.63	1 / 7			
reaction time		interval		5.66	5.90	6.40		# of strides	12.33	12.30	0.03
wind	1.7 m/s	velocity	7.50	8.83	8.47	7.81	8.12	105.5	8.11	8.13	
Qu Haixia (CHN) (1995)											
FINAL	- 2019 Chinese World Championships Trials (Shenyang, CHN)										<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>
date	03-Aug-19	time	6.71	12.10	18.08	24.63	24.63	2 / 8			
reaction time		interval		5.39	5.98	6.55		# of strides	12.10	12.53	-0.43
wind	0.2 m/s	velocity	7.45	9.28	8.36	7.63	8.12		8.26	7.98	
Shimada, Yukina (JPN) (1998)											
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)										<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>
date	22-Sep-18	time	6.65	12.35	18.29	24.64	24.64	4 / 7			
reaction time	0.188	interval		5.70	5.94	6.35		# of strides	12.35	12.29	0.06

wind	0.2 m/s	velocity	7.52	8.77	8.42	7.87	8.12		8.10	8.14
Okabayashi, Saki (JPN) (2007)										
FINAL	- 2024 Japanese National High School Championships (Fukuoka, JPN)				Takashima (2024) - national high school sports festival - biomechanics data					
date	31-Jul-24	time	6.64	12.38	18.25	24.64	24.64	3 / 8		
reaction time	0.183	interval		5.74	5.87	6.39	PB	# of strides	12.38	12.26
wind	1.1 m/s	velocity	7.53	8.71	8.52	7.82	8.12		8.08	8.16
Miki, Shiori (JPN) (1991)										
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)				Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters					
date	12-Jun-11	time	6.80	12.43	18.33	24.65	24.65	/ 7		
reaction time		interval		5.63	5.90	6.32		# of strides	12.43	12.22
wind	-0.7 m/s	velocity	7.35	8.88	8.47	7.91	8.11		8.05	8.18
Ligarska, Paulina (POL) (1996)										
Heptathlon - Heat 1	- 2022 World Athletics Championships (Eugene, OR)				Timing by Seiko (2022) - world athletics championships race analysis					
date	17-Jul-22	time		12.50		24.65	24.65	5 / 4		
reaction time	0.159	interval				12.15	PB	# of strides	12.50	12.15
wind	1.5 m/s	velocity		8.00		8.23	8.11	88.0	8.00	8.23
Miura, Yuna (JPN) (2002)										
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)				Kota (2017) - 70th high school championships: JAF scientific committee					
date	01-Aug-17	time	6.62	12.29	18.10	24.66	24.66	4 / 6		
reaction time	0.161	interval		5.67	5.81	6.56		# of strides	12.29	12.37
wind	-0.2 m/s	velocity	7.55	8.82	8.61	7.62	8.11		8.14	8.08
Satou, Aoi (JPN) (2004)										
FINAL	- 2022 Japanese National High School Championships (Naruto, JPN)				Takashima (2022) - national high school championships biomechanics data collection					
date	06-Aug-22	time	6.65	12.32	18.18	24.66	24.66	4 / 3		
reaction time	0.170	interval		5.67	5.86	6.48		# of strides	12.32	12.34
wind	-1.2 m/s	velocity	7.52	8.82	8.53	7.72	8.11		8.12	8.10
Numa, Nagisa (JPN)										
FINAL	- 2023 Japanese National High School Championships (Sapporo, JPN)				Takashima (2023) - national high school sports festival - biomechanics data					
date	05-Aug-23	time	6.56	12.30	18.24	24.66	24.66	6 / 6		
reaction time	0.227	interval		5.74	5.94	6.42		# of strides	12.30	12.36
wind	0.2 m/s	velocity	7.62	8.71	8.42	7.79	8.11		8.13	8.09
Yasuzu, Chiba (JPN)										
FINAL	- 2023 Japanese National High School Championships (Sapporo, JPN)				Takashima (2023) - national high school sports festival - biomechanics data					
date	05-Aug-23	time	6.76	12.50	18.40	24.66	24.66	3 / 7		
reaction time	0.240	interval		5.74	5.90	6.26		# of strides	12.50	12.16
wind	0.2 m/s	velocity	7.40	8.71	8.47	7.99	8.11		8.00	8.22
Li Huixian (CHN) (2005)										
U20 FINAL	- 2022 Shandong Provincial Games (Rizhao, CHN)				Shandong Athletics Sport Science (2022)					
date	03-Sep-22	time		12.51	18.36	24.67	24.67	4 / 1		
reaction time	0.231	interval			5.85	6.31		# of strides	12.51	12.16
wind	0.6 m/s	velocity		7.99	8.55	7.92	8.11	105.0	7.99	8.22
Patey, Lilje Lopes (NOR) (2007)										
National FINAL	- 2025 Bislett Games (Oslo, NOR)				Omega Timing (2025) - diamond league race analysis					
date	12-Jun-25	time	6.75	12.33	18.18	24.67	24.67	7 / 6		
reaction time	0.170	interval		5.58	5.85	6.49		# of strides	12.33	12.34
wind	1.0 m/s	velocity	7.41	8.96	8.55	7.70	8.11		8.11	8.10
Araujo, Martha (COL) (1996)										
Heptathlon - Heat 2	- 2025 World Athletics Championships (Tokyo, JPN)				Seiko Timing (2025) - 2025 World Championships race analysis					
date	19-Sep-25	time		12.46		24.67	24.67	9 / 4		
reaction time	0.190	interval				12.21		# of strides	12.46	12.21
wind	-0.3 m/s	velocity		8.03		8.19	8.11	102.0	8.03	8.19
Schmidt, Annika (GER) (1983)										
Heat 5	- 2010 German National Junior Championships (Ulm, GER)				Graubner (2010) - http://www.fgs.uni-halle.de					
date	07-Aug-10	time		12.52	18.32	24.68	24.68	/ 1		
reaction time		interval			5.80	6.36	PB	# of strides	12.52	12.16

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DV=Drug Violation

wind	0.9 m/s	velocity	7.99	8.62	7.86	8.10		7.99	8.22		
Yamasaki, Yuki (JPN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)			subayashi (2018) - research on athlete performance and technique								
date	16-Jun-18	time	6.82	12.39	18.29	24.68	24.68	7 / 1			
reaction time		interval		5.57	5.90	6.39		# of strides	12.39	12.29	0.10
wind	2.2 m/s	velocity	7.33	8.98	8.47	7.82	8.10		8.07	8.14	
Doi, Anna (JPN) (1995)			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	6.57	13.66	18.37	24.69	24.69	1 / 4			
reaction time		interval		7.09	4.71	6.32		# of strides	13.66	11.03	2.63
wind	0.0 m/s	velocity	7.61	7.05	10.62	7.91	8.10		7.32	9.07	
Wada, Maki (JPN) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)			Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018								
date	24-Jun-18	time	6.55	12.13	18.15	24.69	24.69	9 / 7			
reaction time	0.152	interval		5.58	6.02	6.54		# of strides	12.13	12.56	-0.43
wind	1.1 m/s	velocity	7.63	8.96	8.31	7.65	8.10		8.24	7.96	
Lei Yelan (CHN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Chinese National Grand Prix 4 (Chongqing, CHN)			Shandong Athletics Sport Science (2023)								
date	04-Jun-23	time		12.28	18.18	24.69	24.69	3 / 2			
reaction time	0.199	interval			5.90	6.51		# of strides	12.28	12.41	-0.13
wind	-0.1 m/s	velocity		8.14	8.47	7.68	8.10	101.0	8.14	8.06	
Lehlali, Salma (MAR) (2003)			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	6.90	12.58	18.41	24.70	24.70	5 / 2			
reaction time	0.198	interval		5.68	5.83	6.29		# of strides	12.58	12.12	0.46
wind	1.4 m/s	velocity	7.25	8.80	8.58	7.95	8.10		7.95	8.25	
Samuelsson, Jessica (SWE) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	15-Aug-09	time	6.71	12.25	18.22	24.71	24.71	3 / 7			
reaction time	0.208	interval		5.54	5.97	6.49		# of strides	12.25	12.46	-0.21
wind	0.0 m/s	velocity	7.45	9.03	8.38	7.70	8.09	95.0	8.16	8.03	
Akashi, Yuri (JPN)			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- biomechanics								
date	06-Aug-11	time	7.08	13.58	18.28	24.71	24.71	1 / 5			
reaction time		interval		6.50	4.70	6.43		# of strides	13.58	11.13	2.45
wind	0.0 m/s	velocity	7.06	7.69	10.64	7.78	8.09		7.36	8.98	
Edobar, Iyoba (JPN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)			Enomoto (2015) - 68th high school championships: JAF scientific committee								
date	01-Aug-15	time	6.70	12.43	18.30	24.71	24.71	3 / 3			
reaction time		interval		5.73	5.87	6.41		# of strides	12.43	12.28	0.15
wind	-3.4 m/s	velocity	7.46	8.73	8.52	7.80	8.09		8.05	8.14	
Utsunomiya, Eri (JPN) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)			subayashi (2018) - research on athlete performance and technique								
date	16-Jun-18	time	6.76	12.41	18.36	24.71	24.71	5 / 2			
reaction time		interval		5.65	5.95	6.35		# of strides	12.41	12.30	0.11
wind	2.2 m/s	velocity	7.40	8.85	8.40	7.87	8.09		8.06	8.13	
Kawasaki, Natsumi (JPN) (2001)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)			Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020								
date	25-Oct-20	time	6.89	12.58	18.51	24.71	24.71	1 / 4			
reaction time	0.221	interval		5.69	5.93	6.20		# of strides	12.58	12.13	0.45
wind	1.7 m/s	velocity	7.26	8.79	8.43	8.06	8.09	106.5	7.95	8.24	
Zhu Cuiwei (CHN) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)			CAA Hurdle Development (2021)								
date	12-Jun-21	time		12.01		24.71	24.71	1 / 5			
reaction time	0.172	interval				12.70		# of strides	12.01	12.70	-0.69

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DV=Drug Violation

wind	-0.4 m/s	velocity	8.33	7.87	8.09	106.5	8.33	7.87			
Yamasaki, Yuki (JPN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2023 Michitaka Kinami Memorial (Osaka, JPN) <i>Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2023 season</i>											
date	07-May-23	time	6.74	12.25	18.19	24.71	24.71	4 / 1			
reaction time	0.161	interval		5.51	5.94	6.52		# of strides	12.25	12.46	-0.21
wind	-0.2 m/s	velocity	7.42	9.07	8.42	7.67	8.09		8.16	8.03	
Vanninen, Saga (FIN) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>											
date	19-Aug-23	time		12.55		24.71	24.71	6 / 3			
reaction time	0.175	interval				12.16		# of strides	12.55	12.16	0.39
wind	-0.1 m/s	velocity		7.97		8.22	8.09	96.5	7.97	8.22	
Enok, Pippi Lotta (EST) (2002)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2025 World Athletics Championships (Tokyo, JPN) <i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	19-Sep-25	time		12.42		24.71	24.71	5 / 5			
reaction time	0.148	interval				12.29		# of strides	12.42	12.29	0.13
wind	-0.3 m/s	velocity		8.05		8.14	8.09	96.0	8.05	8.14	
Hayakari, Narumi (JPN) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Japanese National High School Championships (Nara, JPN) <i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>											
date	01-Aug-09	time	6.68	12.28	18.25	24.72	24.72	6 / 5			
reaction time		interval		5.60	5.97	6.47		# of strides	12.28	12.44	-0.16
wind	0.3 m/s	velocity	7.49	8.93	8.38	7.73	8.09		8.14	8.04	
Oki, Sayaka (JPN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Japanese National High School Championships (Niigata, JPN) <i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>											
date	01-Aug-12	time	6.99	12.93	18.59	24.72	24.72	2 / 8			
reaction time		interval		5.94	5.66	6.13		# of strides	12.93	11.79	1.14
wind	0.3 m/s	velocity	7.15	8.42	8.83	8.16	8.09		7.73	8.48	
Kurahasi, Miho (JPN) (2004)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese U20 National Championships (Osaka, JPN) <i>Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season</i>											
date	27-Jun-21	time	6.73	12.27	18.20	24.72	24.72	5 / 3			
reaction time	0.160	interval		5.54	5.93	6.52		# of strides	12.27	12.45	-0.18
wind	-0.4 m/s	velocity	7.43	9.03	8.43	7.67	8.09	99.0	8.15	8.03	
Yamagata, Aiha (JPN) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Japanese National High School Championships (Naruto, JPN) <i>Mishima (2022) - national high school championships biomechanics data collection</i>											
date	06-Aug-22	time	6.72	12.43	18.30	24.72	24.72	3 / 4			
reaction time	0.284	interval		5.71	5.87	6.42		# of strides	12.43	12.29	0.14
wind	-1.2 m/s	velocity	7.44	8.76	8.52	7.79	8.09		8.05	8.14	
Schwitzer, Mara (SUI) (2008)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18/U20 FINAL - 2025 Athletissima (Lausanne, SUI) <i>Omega Timing (2025) - diamond league race analysis</i>											
date	20-Aug-25	time	6.76	12.31	18.23	24.72	24.72	4 / 4			
reaction time	0.143	interval		5.55	5.92	6.49		# of strides	12.31	12.41	-0.10
wind	0.1 m/s	velocity	7.40	9.01	8.45	7.70	8.09		8.12	8.06	
West, Tori (AUS) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	08-Aug-24	time	6.81	12.34	18.25	24.73	24.73	7 / 7			
reaction time	0.154	interval		5.53	5.91	6.48		# of strides	12.34	12.39	-0.05
wind	-0.5 m/s	velocity	7.34	9.04	8.46	7.72	8.09	100.0	8.10	8.07	
Miyazaki, Amika (JPN) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN) <i>Enomoto (2015) - 68th high school championships: JAF scientific committee</i>											
date	01-Aug-15	time	6.64	12.38	18.26	24.74	24.74	7 / 4			
reaction time		interval		5.74	5.88	6.48		# of strides	12.38	12.36	0.02
wind	-3.4 m/s	velocity	7.53	8.71	8.50	7.72	8.08		8.08	8.09	
Aono, Misaki (JPN) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>Nishina (2019) - research on athlete performance and technique- 2019 data book</i>											
date	20-Oct-19	time	6.88	12.49	18.41	24.74	24.74	5 / 5			
reaction time	0.174	interval		5.61	5.92	6.33		# of strides	12.49	12.25	0.24

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

wind	-1.3 m/s	velocity	7.27	8.91	8.45	7.90	8.08	109.0	8.01	8.16	
Kurashige, Miu (JPN) (2004)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Japanese National High School Championships (Naruto, JPN) <i>Hiroshima (2022) - national high school championships biomechanics data collection</i>											
date	06-Aug-22	time	6.58	12.27	18.22	24.74	24.74	5 / 5			
reaction time	0.166	interval		5.69	5.95	6.52		# of strides	12.27	12.47	-0.20
wind	-1.2 m/s	velocity	7.60	8.79	8.40	7.67	8.08		8.15	8.02	
Hata, Kokomi (JPN) (2006)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2024 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis</i>											
date	26-May-24	time		12.39	18.32	24.74	24.74	6 / 2			
reaction time		interval			5.93	6.42		# of strides	12.39	12.35	0.04
wind	1.0 m/s	velocity		8.07	8.43	7.79	8.08		8.07	8.10	
Vanninen, Saga (FIN) (2003)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heptathlon - Heat 1 - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	08-Aug-24	time	6.82	12.47	18.37	24.74	24.74	8 / 3			
reaction time	0.151	interval		5.65	5.90	6.37		# of strides	12.47	12.27	0.20
wind	0.2 m/s	velocity	7.33	8.85	8.47	7.85	8.08	96.0	8.02	8.15	
Wade, Linda (SUI) (2007)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
U18/U20 FINAL - 2025 Athletissima (Lausanne, SUI) <i>Omega Timing (2025) - diamond league race analysis</i>											
date	20-Aug-25	time	6.69	12.31	18.25	24.74	24.74	8 / 5			
reaction time	0.149	interval		5.62	5.94	6.49		# of strides	12.31	12.43	-0.12
wind	0.1 m/s	velocity	7.47	8.90	8.42	7.70	8.08		8.12	8.05	
Pickler, Diana (USA) (1983)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heptathlon - Heat 2 - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	15-Aug-09	time	6.77	12.33	18.29	24.75	24.75	5 / 1			
reaction time	0.173	interval		5.56	5.96	6.46		# of strides	12.33	12.42	-0.09
wind	-0.3 m/s	velocity	7.39	8.99	8.39	7.74	8.08	91.5	8.11	8.05	
Sotáková, Jana (CZE) (1993)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE) <i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>											
date	16-Jun-13	time	6.90	12.45	18.34	24.75	24.75	6 / 3			
reaction time	0.223	interval		5.55	5.89	6.41		# of strides	12.45	12.30	0.15
wind	-0.3 m/s	velocity	7.25	9.01	8.49	7.80	8.08		8.03	8.13	
Komatsu, Konomi (JPN) (2004)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Japanese National High School Championships (Naruto, JPN) <i>Hiroshima (2022) - national high school championships biomechanics data collection</i>											
date	06-Aug-22	time	6.72	12.47	18.36	24.75	24.75	8 / 6			
reaction time	0.201	interval		5.75	5.89	6.39		# of strides	12.47	12.28	0.19
wind	-1.2 m/s	velocity	7.44	8.70	8.49	7.82	8.08		8.02	8.14	
Liu Guoyi (CHN) (2004)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN) <i>Shandong Athletics Sport Science (2023)</i>											
date	29-Jun-23	time		12.44	18.30	24.75	24.75	3 / 6			
reaction time	0.292	interval			5.86	6.45		# of strides	12.44	12.31	0.13
wind	0.5 m/s	velocity		8.04	8.53	7.75	8.08	100.0	8.04	8.12	
Torihara, Saki (JPN) (1992)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2009 Japanese National High School Championships (Nara, JPN) <i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>											
date	01-Aug-09	time	6.79	12.50	18.39	24.76	24.76	3 / 6			
reaction time		interval		5.71	5.89	6.37		# of strides	12.50	12.26	0.24
wind	0.3 m/s	velocity	7.36	8.76	8.49	7.85	8.08		8.00	8.16	
Newton-Smith, Camryn (AUS) (2000)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heptathlon - Heat 2 - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	08-Aug-24	time	6.63	12.23	18.16	24.76	24.76	9 / 8			
reaction time	0.173	interval		5.60	5.93	6.60		# of strides	12.23	12.53	-0.30
wind	0.4 m/s	velocity	7.54	8.93	8.43	7.58	8.08	101.0	8.18	7.98	
Adachi, Yuha (JPN) (2002)											
50m			100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
U20 FINAL - 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	6.75	12.39	18.31	24.77	24.77	7 / 6			
reaction time	0.171	interval		5.64	5.92	6.46		# of strides	12.39	12.38	0.01

wind	-0.8 m/s	velocity	7.41	8.87	8.45	7.74	8.07	105.0	8.07	8.08	
Conte, Claudia (ESP) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	17-Jul-22	time		12.45		24.77	24.77	4 / 5			
reaction time	0.163	interval				12.32	PB	# of strides	12.45	12.32	0.13
wind	1.5 m/s	velocity		8.03		8.12	8.07	100.0	8.03	8.12	
van Krieken, Lianne (NED) (1997)			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	6.83	12.47	18.34	24.77	24.77	2 / 4			
reaction time	0.189	interval		5.64	5.87	6.43		# of strides	12.47	12.30	0.17
wind	-0.3 m/s	velocity	7.32	8.87	8.52	7.78	8.07		8.02	8.13	
O'Connor, Kate (IRL) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2024 Olympic Games (Paris, FRA)			Paris 2024 Olympic Games - Results Book (2024)								
date	08-Aug-24	time	6.76	12.41	18.37	24.77	24.77	2 / 4			
reaction time	0.148	interval		5.65	5.96	6.40		# of strides	12.41	12.36	0.05
wind	0.2 m/s	velocity	7.40	8.85	8.39	7.81	8.07	98.5	8.06	8.09	
Carter, Antonette (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	6.77	12.51	18.29	24.78	24.78	8 / 8			
reaction time		interval		5.74	5.78	6.49		# of strides	12.51	12.27	0.24
wind	-1.5 m/s	velocity	7.39	8.71	8.65	7.70	8.07		7.99	8.15	
Henriksson, Malin (SWE) (1978)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2007 Windsprint (Sundsvall, SWE)			(2007) - www.ssg.se/en/Windsprint/Split-times/								
date	24-Jul-07	time		12.50	18.43	24.78	24.78	5 / 2			
reaction time		interval			5.93	6.35		# of strides	12.50	12.28	0.22
wind	2.0 m/s	velocity		8.00	8.43	7.87	8.07		8.00	8.14	
Okuno, Yuko (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	6.83	12.50	18.50	24.78	24.78	2 / 7			
reaction time		interval		5.67	6.00	6.28		# of strides	12.50	12.28	0.22
wind	0.3 m/s	velocity	7.32	8.82	8.33	7.96	8.07		8.00	8.14	
Wisse, Yvonne (NED) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	15-Aug-09	time	6.84	12.28	18.26	24.78	24.78	6 / 8			
reaction time	0.173	interval		5.44	5.98	6.52		# of strides	12.28	12.50	-0.22
wind	0.0 m/s	velocity	7.31	9.19	8.36	7.67	8.07	97.0	8.14	8.00	
Buckel, Carlotta (GER) (1991)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2010 German National Junior Championships (Ulm, GER)			Graubner (2010) - http://www.fgs.uni-halle.de								
date	07-Aug-10	time		12.39	18.30	24.78	24.78	/ 1			
reaction time		interval			5.91	6.48		# of strides	12.39	12.39	0.00
wind	-0.2 m/s	velocity		8.07	8.46	7.72	8.07		8.07	8.07	
Nomura, Mayu (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)			Nogata (2012) - 65th high school championships: JAF scientific committee- biomechanics								
date	01-Aug-12	time	6.99	12.90	18.54	24.78	24.78	1 / 9			
reaction time		interval		5.91	5.64	6.24		# of strides	12.90	11.88	1.02
wind	0.3 m/s	velocity	7.15	8.46	8.87	8.01	8.07		7.75	8.42	
Adachi, Marin (JPN) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)			Kojima (2019) - research on athlete performance and technique- 2019 data book								
date	20-Oct-19	time	6.68	12.29	18.31	24.78	24.78	2 / 6			
reaction time	0.151	interval		5.61	6.02	6.47		# of strides	12.29	12.49	-0.20
wind	-1.3 m/s	velocity	7.49	8.91	8.31	7.73	8.07	115.5	8.14	8.01	
Masilingi, Beatrice (NAM) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis								
date	19-Jul-22	time		11.47		24.78	24.78	5 / 8			
reaction time	0.158	interval				13.31		# of strides	11.47	13.31	-1.84

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

wind	1.4 m/s	velocity	8.72	7.51	8.07	94.0	8.72	7.51	
O'Connor, Kate (IRL) (2000)									
Heptathlon - Heat 2	- 2023 World Athletics Championships (Budapest, HUN)				Seiko Timing (2023) - world championship race analysis				
date	19-Aug-23	time	12.57	24.78	24.78	3 / 4			
reaction time	0.129	interval		12.21		# of strides	12.57	12.21	0.36
wind	-0.1 m/s	velocity	7.96	8.19	8.07	98.2	7.96	8.19	
Vanninen, Saga (FIN) (2003)									
Heptathlon - Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)				Seiko Timing (2025) - 2025 World Championships race analysis				
date	19-Sep-25	time	12.34	24.78	24.78	6 / 5			
reaction time	0.159	interval		12.44		# of strides	12.34	12.44	-0.10
wind	0.2 m/s	velocity	8.10	8.04	8.07	98.0	8.10	8.04	
Agerbjør, Emma (SWE) (1985)									
B FINAL	- 2007 Windsprint (Sundsvall, SWE)				(2007) - www.ssg.se/en/Windsprint/Split-times/				
date	24-Jul-07	time	12.52	18.52	24.79	3 / 3			
reaction time		interval		6.00	6.27	# of strides	12.52	12.27	0.25
wind	2.0 m/s	velocity	7.99	8.33	7.97	8.07	7.99	8.15	
Kimura, Akane (JPN) (1993)									
FINAL	- 2011 Japanese National High School Championships (Kitakami, JPN)				Abe (2011) - 64th high school championships: JAF scientific committee				
date	06-Aug-11	time	6.63	13.60	18.37	24.79	/ 6		
reaction time		interval		6.97	4.77	6.42	# of strides	13.60	11.19
wind	0.0 m/s	velocity	7.54	7.17	10.48	7.79	8.07	7.35	8.94
Shibata, Mie (JPN) (1998)									
FINAL	- 2015 Japanese National High School Championships (Wakayama, JPN)				Enomoto (2015) - 68th high school championships: JAF scientific committee				
date	01-Aug-15	time	6.67	12.48	18.45	24.79	4 / 5		
reaction time		interval		5.81	5.97	6.34	# of strides	12.48	12.31
wind	-3.4 m/s	velocity	7.50	8.61	8.38	7.89	8.07	8.01	8.12
Kawanaka, Aori (JPN) (2001)									
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)				Kota (2017) - 70th high school championships: JAF scientific committee				
date	01-Aug-17	time	6.72	12.44	18.28	24.79	8 / 7		
reaction time	0.167	interval		5.72	5.84	6.51	# of strides	12.44	12.35
wind	-0.2 m/s	velocity	7.44	8.74	8.56	7.68	8.07	8.04	8.10
Utsunomiya, Eri (JPN) (1993)									
Heptathlon - Heat 3	- 2018 Tokyo Combined Event Meeting (Tokyo, JPN)				Matsubayashi (2018) - research on athlete performance and technique				
date	21-Apr-18	time	6.72	12.37	18.40	24.79	8 / 1		
reaction time		interval		5.65	6.03	6.39	# of strides	12.37	12.42
wind	-0.4 m/s	velocity	7.44	8.85	8.29	7.82	8.07	8.08	8.05
Kodama, Mei (JPN) (1999)									
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)				Ryutaro (2018) - research on athlete performance and technique				
date	21-Oct-18	time	6.82	12.52	18.42	24.79	2 / 7		
reaction time	0.171	interval		5.70	5.90	6.37	# of strides	12.52	12.27
wind	1.5 m/s	velocity	7.33	8.77	8.47	7.85	8.07	7.99	8.15
Sakamoto, Minami (JPN) (2006)									
FINAL	- 2022 Japanese National High School Championships (Naruto, JPN)				Mishima (2022) - national high school championships biomechanics data collection				
date	06-Aug-22	time	7.29	12.40	18.26	24.79	7 / 7		
reaction time	0.160	interval		5.11	5.86	6.53	# of strides	12.40	12.39
wind	-1.2 m/s	velocity	6.86	9.78	8.53	7.66	8.07	8.06	8.07
Seko, Nodoka (JPN) (1991)									
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)				Abe (2008) - 61st high school championships: JAF scientific committee				
date	01-Aug-08	time	6.65	12.30	18.31	24.80	/ 2		
reaction time		interval		5.65	6.01	6.49	# of strides	12.30	12.50
wind	-2.4 m/s	velocity	7.52	8.85	8.32	7.70	8.06	8.13	8.00
Tornemark, Pernilla (SWE) (1985)									
B FINAL	- 2015 Windsprint (Sundsvall, SWE)				(2015) - www.windsprint/Splittider/				
date	26-Jul-15	time	12.60		24.80	24.80	4 / 1		
reaction time		interval			12.20		# of strides	12.60	12.20

wind	1.6 m/s	velocity	7.94	8.20	8.06	7.94	8.20			
Barber, Jade (USA) (1993)										
FINAL	- 2017 Shizuoka International Meeting (Fukuroi, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-May-17	time	6.75	12.30	18.32	24.80	24.80	8 / 6		
reaction time		interval		5.55	6.02	6.48		# of strides	12.30	12.50
wind	-0.5 m/s	velocity	7.41	9.01	8.31	7.72	8.06		8.13	8.00
Seta, Hina (JPN)										
FINAL	- 2023 Japanese National High School Championships (Sapporo, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Aug-23	time	7.02	12.80	18.63	24.80	24.80	9 / 8		
reaction time	0.304	interval		5.78	5.83	6.17		# of strides	12.80	12.00
wind	0.2 m/s	velocity	7.12	8.65	8.58	8.10	8.06		7.81	8.33
Watanabe, Misato (JPN) (1990)										
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-08	time	6.72	12.30	18.32	24.81	24.81	/ 3		
reaction time		interval		5.58	6.02	6.49		# of strides	12.30	12.51
wind	-2.4 m/s	velocity	7.44	8.96	8.31	7.70	8.06		8.13	7.99
Yamada, Akari (JPN) (1992)										
FINAL	- 2009 Japanese National High School Championships (Nara, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-09	time		12.53	18.49	24.81	24.81	1 / 8		
reaction time		interval			5.96	6.32		# of strides	12.53	12.28
wind	0.3 m/s	velocity		7.98	8.39	7.91	8.06		7.98	8.14
Táborská, Monika (CZE) (1988)										
Heat 1	- 2013 Czech Republic National Championships (Tábor, CZE)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	16-Jun-13	time	6.68	12.20	18.19	24.81	24.81	2 / 4		
reaction time	0.160	interval		5.52	5.99	6.62		# of strides	12.20	12.61
wind	-1.2 m/s	velocity	7.49	9.06	8.35	7.55	8.06		8.20	7.93
Tornemark, Pernilla (SWE) (1985)										
B FINAL	- 2014 Windsprint (Sundsvall, SWE)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Jul-14	time		12.55		24.81	24.81	3 / 3		
reaction time		interval				12.26		# of strides	12.55	12.26
wind	1.8 m/s	velocity		7.97		8.16	8.06		7.97	8.16
Aoyama, Seika (JPN) (1996)										
FINAL	- 2015 Japanese National Championships (Niigata, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	27-Jun-15	time	7.08	12.79	18.53	24.81	24.81	5 / 8		
reaction time	0.245	interval		5.71	5.74	6.28		# of strides	12.79	12.02
wind	0.1 m/s	velocity	7.06	8.76	8.71	7.96	8.06	102.0	7.82	8.32
Miyake, Marina (JPN) (1997)										
FINAL	- 2015 Japanese National High School Championships (Wakayama, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-15	time	6.65	12.42	18.37	24.81	24.81	2 / 6		
reaction time		interval		5.77	5.95	6.44		# of strides	12.42	12.39
wind	-3.4 m/s	velocity	7.52	8.67	8.40	7.76	8.06		8.05	8.07
Ishikawa, Yuki (JPN)										
FINAL	- 2017 Shimane High School Championships (Izumo, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-17	time		12.53		24.81	24.81	7 / 1		
reaction time		interval				12.28		# of strides	12.53	12.28
wind	-1.3 m/s	velocity		7.98		8.14	8.06		7.98	8.14
Matsunaga, Tomoko (JPN) (2002)										
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	21-Oct-18	time	6.84	12.49	18.42	24.81	24.81	1 / 6		
reaction time	0.157	interval		5.65	5.93	6.39		# of strides	12.49	12.32
wind	1.5 m/s	velocity	7.31	8.85	8.43	7.82	8.06		8.01	8.12
Yamasaki, Yuki (JPN) (1995)										
Heptathlon - Heat 3	- 2019 Japanese National Multi-Event Championships (Nagano, JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	08-Jun-19	time	6.81	12.44	18.38	24.81	24.81	6 / 2		
reaction time		interval		5.63	5.94	6.43		# of strides	12.44	12.37

wind	3.2 m/s	velocity	7.34	8.88	8.42	7.78	8.06		8.04	8.08	
Yamasaki, Yuki (JPN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2020 Japanese Multi-Event National Championships (Nagano, JPN) - research athlete performance technique- 2020 databook											
date	26-Sep-20	time	6.78	12.42	18.34	24.81	24.81	5 / 1			
reaction time		interval		5.64	5.92	6.47		# of strides	12.42	12.39	0.03
wind	1.1 m/s	velocity	7.37	8.87	8.45	7.73	8.06		8.05	8.07	
Krizsán, Xénia (HUN) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR) Timing by Seiko (2022) - world athletics championships race analysis											
date	17-Jul-22	time		12.53		24.82	24.82	6 / 6			
reaction time	0.143	interval				12.29		# of strides	12.53	12.29	0.24
wind	1.5 m/s	velocity		7.98		8.14	8.06	93.2	7.98	8.14	
Nana Djimou, Antoinette (FRA) (1985)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 4 - 2009 IAAF World Championships (Berlin, GER) Graubner (2009) - biomechanical analyses at the 12th IAAF world championships											
date	15-Aug-09	time	6.71	12.25	18.22	24.83	24.83	2 / 1			
reaction time	0.170	interval		5.54	5.97	6.61		# of strides	12.25	12.58	-0.33
wind	-0.3 m/s	velocity	7.45	9.03	8.38	7.56	8.05	97.0	8.16	7.95	
Hrůvňová, Pavla (CZE) (1986)			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	6.94	12.50	18.37	24.83	24.83	5 / 2			
reaction time	0.255	interval		5.56	5.87	6.46		# of strides	12.50	12.33	0.17
wind	-1.1 m/s	velocity	7.20	8.99	8.52	7.74	8.05		8.00	8.11	
Aoyama, Seika (JPN) (1996)			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	6.79	12.55	18.47	24.83	24.83	3 / 7			
reaction time		interval		5.76	5.92	6.36		# of strides	12.55	12.28	0.27
wind	-0.5 m/s	velocity	7.36	8.68	8.45	7.86	8.05		7.97	8.14	
Gamo, Marin (JPN) (2003)			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	6.86	12.49	18.41	24.84	24.84	9 / 4			
reaction time	0.147	interval		5.63	5.92	6.43		# of strides	12.49	12.35	0.14
wind	-0.4 m/s	velocity	7.29	8.88	8.45	7.78	8.05	105.5	8.01	8.10	
Eich, Katharina (GER) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2010 German National Youth Championships (Ulm, GER) Graubner (2010) - http://www.fgs.uni-halle.de											
date	08-Aug-10	time		12.82	18.65	24.86	24.86	/ 1			
reaction time		interval			5.83	6.21		# of strides	12.82	12.04	0.78
wind	0.7 m/s	velocity		7.80	8.58	8.05	8.05		7.80	8.31	
Meyer, Lea Madlen (GER) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Youth Championships (Ulm, GER) Graubner (2010) - http://www.fgs.uni-halle.de											
date	08-Aug-10	time		12.65	18.52	24.86	24.86	/ 7			
reaction time		interval			5.87	6.34		# of strides	12.65	12.21	0.44
wind	-0.2 m/s	velocity		7.91	8.52	7.89	8.05		7.91	8.19	
Frank, Lisa (SUI) (2007)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18/U20 FINAL - 2025 Athletissima (Lausanne, SUI) Omega Timing (2025) - diamond league race analysis											
date	20-Aug-25	time	6.73	12.29	18.26	24.87	24.87	7 / 6			
reaction time	0.181	interval		5.56	5.97	6.61		# of strides	12.29	12.58	-0.29
wind	0.1 m/s	velocity	7.43	8.99	8.38	7.56	8.04		8.14	7.95	
Utsunomiya, Eri (JPN) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2019 Japanese National Multi-Event Championships (Nagano, JPN) Kubayashi (2019) - research on athlete performance and technique											
date	08-Jun-19	time	6.77	12.46	18.46	24.88	24.88	5 / 3			
reaction time		interval		5.69	6.00	6.42		# of strides	12.46	12.42	0.04
wind	3.2 m/s	velocity	7.39	8.79	8.33	7.79	8.04		8.03	8.05	
Huang Ziting (CHN) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2023 Chinese National Grand Prix 3 (Taizhou, CHN) Shandong Athletics Sport Science (2023)											
date	27-May-23	time		12.41	18.39	24.88	24.88	6 / 2			
reaction time	0.171	interval			5.98	6.49		# of strides	12.41	12.47	-0.06

wind	-1.3 m/s	velocity	8.06	8.36	7.70	8.04	102.5	8.06	8.02	
Fujii, Ayano (JPN) (1998)										
FINAL	- 2016 Japanese National High School Championships (Okayama, JPN)					Kota (2016) - 69th high school championships: JAF scientific committee				
date	01-Aug-16	time	6.75	12.54	18.47	24.89	24.89	2 / 8		
reaction time	0.190	interval		5.79	5.93	6.42		# of strides	12.54	12.35
wind	1.2 m/s	velocity	7.41	8.64	8.43	7.79	8.04		7.97	8.10
Yuaza, Kanako (JPN) (1997)										
FINAL	- 2015 Japanese National High School Championships (Wakayama, JPN)					Enomoto (2015) - 68th high school championships: JAF scientific committee				
date	01-Aug-15	time	6.65	12.45	18.40	24.89	24.89	9 / 7		
reaction time		interval		5.80	5.95	6.49		# of strides	12.45	12.44
wind	-3.4 m/s	velocity	7.52	8.62	8.40	7.70	8.04		8.03	8.04
Miura, Yuna (JPN) (2002)										
FINAL	- 2020 Japanese U20 National Championships (Hiroshima, JPN)					Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020				
date	25-Oct-20	time	6.79	12.47	18.43	24.89	24.89	2 / 5		
reaction time	0.188	interval		5.68	5.96	6.46		# of strides	12.47	12.42
wind	1.7 m/s	velocity	7.36	8.80	8.39	7.74	8.04	107.8	8.02	8.05
Nuijten, Femke (NED) (1999)										
National FINAL	- 2024 FBK Games (Hengelo, NED)					Omega Timing (2024) - continental tour gold race analysis				
date	07-Jul-24	time	6.73	12.44	18.42	24.89	24.89	4 / 5		
reaction time	0.175	interval		5.71	5.98	6.47		# of strides	12.44	12.45
wind	-0.3 m/s	velocity	7.43	8.76	8.36	7.73	8.04		8.04	8.03
Tomoko, Inada (JPN)										
FINAL	- 2007 Japanese National High School Championships (Saitama, JPN)					Saito (2007) - 60st high school championships: JAF scientific committee- biomechanics				
date	04-Aug-07	time	6.75	12.41	18.49	24.90	24.90	5 / 1		
reaction time		interval		5.66	6.08	6.41		# of strides	12.41	12.49
wind	-2.1 m/s	velocity	7.41	8.83	8.22	7.80	8.03		8.06	8.01
Ichikawa, Kana (JPN) (1991)										
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)					Abe (2008) - 61st high school championships: JAF scientific committee				
date	01-Aug-08	time	6.78	12.45	18.49	24.90	24.90	/ 4		
reaction time		interval		5.67	6.04	6.41		# of strides	12.45	12.45
wind	-2.4 m/s	velocity	7.37	8.82	8.28	7.80	8.03		8.03	8.03
Saito, Manami (JPN) (1999)										
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)					Kota (2017) - 70th high school championships: JAF scientific committee				
date	01-Aug-17	time	6.71	12.49	18.39	24.90	24.90	2 / 8		
reaction time	0.159	interval		5.78	5.90	6.51		# of strides	12.49	12.41
wind	-0.2 m/s	velocity	7.45	8.65	8.47	7.68	8.03		8.01	8.06
Muraki, Mirei (JPN) (2001)										
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)					Ryutaro (2018) - research on athlete performance and technique				
date	21-Oct-18	time	6.87	12.56	18.50	24.90	24.90	7 / 7		
reaction time	0.169	interval		5.69	5.94	6.40		# of strides	12.56	12.34
wind	1.5 m/s	velocity	7.28	8.79	8.42	7.81	8.03		7.96	8.10
Sato, Chihiro (JPN) (2002)										
U18 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)					Yama (2019) - research on athlete performance and technique- 2019 data book				
date	20-Oct-19	time	6.88	12.60	18.59	24.90	24.90	1 / 7		
reaction time	0.182	interval		5.72	5.99	6.31		# of strides	12.60	12.30
wind	-1.3 m/s	velocity	7.27	8.74	8.35	7.92	8.03	102.0	7.94	8.13
Sotáková, Jana (CZE) (1993)										
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	6.82	12.43	18.39	24.91	24.91	1 / 7		
reaction time	0.153	interval		5.61	5.96	6.52		# of strides	12.43	12.48
wind	0.3 m/s	velocity	7.33	8.91	8.39	7.67	8.03		8.05	8.01
Grimm, Vanessa (GER) (1997)										
Heptathlon - Heat 2	- 2023 World Athletics Championships (Budapest, HUN)					Seiko Timing (2023) - world championship race analysis				
date	19-Aug-23	time		12.58		24.91	24.91	9 / 5		
reaction time	0.205	interval				12.33		# of strides	12.58	12.33

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DV=Drug Violation

wind	-0.1 m/s	velocity	7.95	8.11	8.03	97.0	7.95	8.11			
Gochenour-Brondyke, Alex (USA) (1992)											
Heptathlon - Heat 1			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF and Karmarush (2024) - USA Olympic trials results and race analysis											
date	23-Jun-24	time	6.85	12.67	18.49	24.91	24.91	9 / 1			
reaction time		interval	5.82	5.82	6.42			# of strides	12.67	12.24	0.43
wind	1.1 m/s	velocity	7.30	8.59	8.59	7.79	8.03		7.89	8.17	
Johansson, Malin (SWE) (1992)											
D FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Johansen (2014) - www.ssg.se/windsprint/Splittider/											
date	20-Jul-14	time	12.76			24.92	24.92	2 / 2			
reaction time		interval				12.16	PB	# of strides	12.76	12.16	0.60
wind	2.0 m/s	velocity	7.84			8.22	8.03		7.84	8.22	
Miyake, Naoka (JPN) (1991)											
FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015											
date	18-Apr-15	time	6.88	12.63	18.55	24.92	24.92	2 / 8			
reaction time		interval	5.75	5.92	6.37			# of strides	12.63	12.29	0.34
wind	1.7 m/s	velocity	7.27	8.70	8.45	7.85	8.03	103.7	7.92	8.14	
Aoyama, Seika (JPN) (1996)											
Heat 1			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ryutaro (2018) - research on athlete performance and technique- 2018 data book											
date	03-May-18	time	6.95	12.68	18.59	24.92	24.92	8 / 8			
reaction time	0.253	interval	5.73	5.91	6.33			# of strides	12.68	12.24	0.44
wind	0.6 m/s	velocity	7.19	8.73	8.46	7.90	8.03		7.89	8.17	
Krizsán, Xénia (HUN) (1993)											
Heptathlon - Heat 1			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Paris 2024 Olympic Games - Results Book (2024)											
date	08-Aug-24	time	6.77	12.46	18.46	24.92	24.92	4 / 5			
reaction time	0.163	interval	5.69	6.00	6.46			# of strides	12.46	12.46	0.00
wind	0.2 m/s	velocity	7.39	8.79	8.33	7.74	8.03	92.2	8.03	8.03	
Banno, Rio (JPN) (1990)											
FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Abe (2008) - 61st high school championships: JAF scientific committee											
date	01-Aug-08	time	6.68	12.37	18.48	24.93	24.93	/ 5			
reaction time		interval	5.69	6.11	6.45			# of strides	12.37	12.56	-0.19
wind	-2.4 m/s	velocity	7.49	8.79	8.18	7.75	8.02		8.08	7.96	
Jansen, Ruby (NED) (2007)											
National FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2024) - continental tour gold race analysis											
date	07-Jul-24	time	6.94	12.53	18.45	24.93	24.93	5 / 6			
reaction time	0.171	interval	5.59	5.92	6.48			# of strides	12.53	12.40	0.13
wind	-0.3 m/s	velocity	7.20	8.94	8.45	7.72	8.02		7.98	8.06	
Takenaka, Hikaru (JPN) (1993)											
FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Matsuo (2010) - 63rd high school championships: JAF scientific committee											
date	01-Aug-10	time	7.06	12.91	18.74	24.94	24.94	/ 3			
reaction time		interval	5.85	5.83	6.20			# of strides	12.91	12.03	0.88
wind	1.0 m/s	velocity	7.08	8.55	8.58	8.06	8.02		7.75	8.31	
Oshiro, Juri (JPN) (2001)											
FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ryutaro (2018) - research on athlete performance and technique											
date	21-Oct-18	time	6.79	12.45	18.41	24.94	24.94	2 / 8			
reaction time	0.168	interval	5.66	5.96	6.53			# of strides	12.45	12.49	-0.04
wind	1.5 m/s	velocity	7.36	8.83	8.39	7.66	8.02		8.03	8.01	
Kazuka, Esumi (JPN)											
FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis											
date	26-May-24	time	12.50	18.51	24.94	24.94	24.94	5 / 3			
reaction time		interval	6.01	6.43				# of strides	12.50	12.44	0.06
wind	1.0 m/s	velocity	8.00	8.32	7.78		8.02		8.00	8.04	
Mathes, Larissa (GER) (1992)											
B FINAL			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2010) - http://www.fgs.uni-halle.de											
date	07-Aug-10	time	12.47	18.41	24.95	24.95	24.95	/ 2			
reaction time		interval	5.94	6.54				# of strides	12.47	12.48	-0.01

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wind	-0.2 m/s	velocity	8.02	8.42	7.65	8.02		8.02	8.01		
Sasaki, Nao (JPN) (2005)											
FINAL	- 2022 Japanese National High School Championships (Naruto, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Aug-22	time	7.42	12.50	18.35	24.95	24.95	2 / 8			
reaction time	0.177	interval		5.08	5.85	6.60		# of strides	12.50	12.45	0.05
wind	-1.2 m/s	velocity	6.74	9.84	8.55	7.58	8.02		8.00	8.03	
Hablitzel, Sophia (GER) (1991)											
B FINAL	- 2010 German National Junior Championships (Ulm, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-Aug-10	time		12.73	18.61	24.96	24.96	/ 3			
reaction time		interval			5.88	6.35		# of strides	12.73	12.23	0.50
wind	-0.2 m/s	velocity		7.86	8.50	7.87	8.01		7.86	8.18	
Ström, Malin (SWE) (1986)											
B FINAL	- 2015 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-Jul-15	time		12.61		24.96	24.96	6 / 2			
reaction time		interval				12.35		# of strides	12.61	12.35	0.26
wind	1.6 m/s	velocity		7.93		8.10	8.01		7.93	8.10	
Kitano, Yuki (JPN)											
FINAL	- 2011 Japanese National High School Championships (Kitakami, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	06-Aug-11	time	7.01	13.60	18.42	24.97	24.97	/ 7			
reaction time		interval		6.59	4.82	6.55		# of strides	13.60	11.37	2.23
wind	0.0 m/s	velocity	7.13	7.59	10.37	7.63	8.01		7.35	8.80	
Iwadate, Hanae (JPN) (1990)											
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Aug-08	time	6.82	12.48	18.54	24.97	24.97	/ 6			
reaction time		interval		5.66	6.06	6.43		# of strides	12.48	12.49	-0.01
wind	-2.4 m/s	velocity	7.33	8.83	8.25	7.78	8.01		8.01	8.01	
O'Dowda, Jade (GBR) (1999)											
Heptathlon - Heat 1	- 2024 Olympic Games (Paris, FRA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	08-Aug-24	time	6.72	12.35	18.38	24.97	24.97	7 / 6			
reaction time	0.205	interval		5.63	6.03	6.59		# of strides	12.35	12.62	-0.27
wind	0.2 m/s	velocity	7.44	8.88	8.29	7.59	8.01	95.2	8.10	7.92	
Newton-Smith, Camryn (AUS) (2000)											
Heptathlon - Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	19-Sep-25	time		12.41		24.98	24.98	4 / 6			
reaction time	0.189	interval				12.57		# of strides	12.41	12.57	-0.16
wind	0.2 m/s	velocity		8.06		7.96	8.01	101.0	8.06	7.96	
McNair, Bianca (USA) (1984)											
FINAL	- 2003 USATF National Junior Championships (Palo Alto, CA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	21-Jun-03	time	6.99	12.84	18.61	24.99	24.99	9 / 9			
reaction time		interval		5.85	5.77	6.38		# of strides	12.84	12.15	0.69
wind	-1.5 m/s	velocity	7.15	8.55	8.67	7.84	8.00		7.79	8.23	
Sneen, Siv (NOR) (1992)											
C FINAL	- 2012 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-Jun-12	time		12.76		24.99	24.99	/ 1			
reaction time		interval				12.23		# of strides	12.76	12.23	0.53
wind	0.1 m/s	velocity		7.84		4.00	8.00		7.84	8.18	
Yamasaki, Yuki (JPN) (1995)											
Heptathlon - Heat 1	- 2022 Michitaka Kinami Memorial (Osaka, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	30-Apr-22	time	6.75	12.34	18.35	24.99	24.99	2 / 1			
reaction time	0.181	interval		5.59	6.01	6.64		# of strides	12.34	12.65	-0.31
wind	-1.5 m/s	velocity	7.41	8.94	8.32	7.53	8.00		8.10	7.91	
Noruwa, Abigail (NED) (2006)											
National FINAL	- 2024 FBK Games (Hengelo, NED)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-Jul-24	time	6.92	12.52	18.47	24.99	24.99	3 / 7			
reaction time	0.213	interval		5.60	5.95	6.52		# of strides	12.52	12.47	0.05

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wind	-0.3 m/s	velocity	7.23	8.93	8.40	7.67	8.00		7.99	8.02	
Carmichael, Nicole (USA) (1977)											
FINAL - 1996 USATF National Junior Championships (Delaware, OH)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USATF Women's Sprint Development (1996)											
date	29-Jun-96	time	6.86	12.34		25.01	25.01	8 / 5			
reaction time		interval		5.48		12.67		# of strides	12.34	12.67	-0.33
wind	-1.3 m/s	velocity	7.29	9.12		7.89	8.00		8.10	7.89	
Nouri, Houda (MAR) (1998)											
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2023) - diamond league race analysis											
date	28-May-23	time	7.01	12.77	18.67	25.01	25.01	6 / 3			
reaction time	0.234	interval		5.76	5.90	6.34	PB	# of strides	12.77	12.24	0.53
wind	1.4 m/s	velocity	7.13	8.68	8.47	7.89	8.00		7.83	8.17	
Dobrynska, Nataliya (UKR) (1982)											
Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships											
date	15-Aug-09	time	6.83	12.39	18.41	25.02	25.02	4 / 6			
reaction time	0.198	interval		5.56	6.02	6.61		# of strides	12.39	12.63	-0.24
wind	-0.2 m/s	velocity	7.32	8.99	8.31	7.56	7.99	94.7	8.07	7.92	
Schmidt, Annika (GER) (1983)											
A FINAL - 2010 German National Junior Championships (Ulm, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2010) - http://www.fgs.uni-halle.de											
date	07-Aug-10	time		12.64	18.57	25.02	25.02	/ 5			
reaction time		interval			5.93	6.45		# of strides	12.64	12.38	0.26
wind	-0.1 m/s	velocity		7.91	8.43	7.75	7.99		7.91	8.08	
Janoušová, Jana (CZE) (1995)											
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Feher (2013) - Final report men's & women's Czech Republic national champs											
date	16-Jun-13	time	6.72	12.39	18.30	25.02	25.02	2 / 4			
reaction time	0.176	interval		5.67	5.91	6.72		# of strides	12.39	12.63	-0.24
wind	-0.3 m/s	velocity	7.44	8.82	8.46	7.44	7.99		8.07	7.92	
Cambours, Léonie (FRA) (2000)											
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2023) - world championship race analysis											
date	19-Aug-23	time		12.79		25.03	25.03	7 / 2			
reaction time	0.167	interval				12.24		# of strides	12.79	12.24	0.55
wind	-0.1 m/s	velocity		7.82		8.17	7.99	101.0	7.82	8.17	
Züblin, Linda (SUI) (1986)											
Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships											
date	15-Aug-09	time	6.73	12.31	18.32	25.04	25.04	6 / 7			
reaction time	0.175	interval		5.58	6.01	6.72		# of strides	12.31	12.73	-0.42
wind	-0.2 m/s	velocity	7.43	8.96	8.32	7.44	7.99		8.12	7.86	
Mazáčová, Iveta (CZE) (1986)											
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Feher (2013) - Final report men's & women's Czech Republic national champs											
date	16-Jun-13	time	6.67	12.29	17.85	25.04	25.04	3 / 5			
reaction time	0.241	interval		5.62	5.56	7.19		# of strides	12.29	12.75	-0.46
wind	-0.3 m/s	velocity	7.50	8.90	8.99	6.95	7.99		8.14	7.84	
Turpin, Esther (FRA) (1996)											
Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2023) - world championship race analysis											
date	19-Aug-23	time		12.67		25.04	25.04	2 / 6			
reaction time	0.208	interval				12.37		# of strides	12.67	12.37	0.30
wind	-0.1 m/s	velocity		7.89		8.08	7.99	97.0	7.89	8.08	
Nemes, Rita (HUN) (1989)											
Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2023) - world championship race analysis											
date	19-Aug-23	time		12.67		25.04	25.04	4 / 7			
reaction time	0.150	interval				12.37		# of strides	12.67	12.37	0.30
wind	-0.1 m/s	velocity		7.89		8.08	7.99	93.7	7.89	8.08	
Lauvstad, Miranda (NOR) (2003)											
National FINAL - 2025 Bislett Games (Oslo, NOR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Omega Timing (2025) - diamond league race analysis											
date	12-Jun-25	time	6.67	12.34	18.41	25.05	25.05	4 / 7			
reaction time	0.178	interval		5.67	6.07	6.64		# of strides	12.34	12.71	-0.37

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wind	1.0 m/s	velocity	7.50	8.82	8.24	7.53	7.98		8.10	7.87
Hashizume, Sakina (JPN) (1993)										
FINAL	- 2011 Japanese National High School Championships (Kitakami, JPN)									<i>Abe (2011) - 64th high school championships: JAF scientific committee</i>
date	06-Aug-11	time	7.08	13.74	18.57	25.06	25.06	/ 8		
reaction time		interval		6.66	4.83	6.49		# of strides	13.74	11.32
wind	0.0 m/s	velocity	7.06	7.51	10.35	7.70	7.98		7.28	8.83
Shimura, Hitomi (JPN) (1990)										
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)									<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>
date	22-Sep-18	time	6.75	12.44	18.46	25.06	25.06	5 / 8		
reaction time	0.199	interval		5.69	6.02	6.60		# of strides	12.44	12.62
wind	0.2 m/s	velocity	7.41	8.79	8.31	7.58	7.98		8.04	7.92
Rivers, Theodoesha (USA) (1979)										
FINAL	- 1996 USATF National Junior Championships (Delaware, OH)									<i>USATF Women's Sprint Development (1996)</i>
date	29-Jun-96	time	6.95	12.61		25.07	25.07	3 / 6		
reaction time		interval		5.66		12.46		# of strides	12.61	12.46
wind	-1.3 m/s	velocity	7.19	8.83		8.03	7.98		7.93	8.03
Hellberg-Jonsén, Sofia (SWE) (1989)										
C FINAL	- 2014 Windsprint (Sundsvall, SWE)									<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>
date	20-Jul-14	time		12.52		25.07	25.07	2 / 2		
reaction time		interval				12.55		# of strides	12.52	12.55
wind	1.6 m/s	velocity		7.99		7.97	7.98		7.99	7.97
O'Dowda, Jade (GBR) (1999)										
Heptathlon - Heat 1	- 2025 World Athletics Championships (Tokyo, JPN)									<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>
date	19-Sep-25	time		12.41		25.07	25.07	3 / 7		
reaction time	0.219	interval				12.66		# of strides	12.41	12.66
wind	0.2 m/s	velocity		8.06		7.90	7.98	96.0	8.06	7.90
Sano, Fuyumi (JPN) (1989)										
FINAL	- 2007 Japanese National High School Championships (Saga, JPN)									<i>Hitorara (2007) - 60st high school championships: JAF scientific committee</i>
date	04-Aug-07	time	6.79	12.58	18.72	25.08	25.08	1 / 2		
reaction time		interval		5.79	6.14	6.36		# of strides	12.58	12.50
wind	-2.1 m/s	velocity	7.36	8.64	8.14	7.86	7.97		7.95	8.00
Sakiyama, Ayaka (JPN)										
FINAL	- 2007 Japanese National High School Championships (Saga, JPN)									<i>Hitorara (2007) - 60st high school championships: JAF scientific committee</i>
date	04-Aug-07	time	6.71	12.40	18.55	25.08	25.08	6 / 3		
reaction time		interval		5.69	6.15	6.53		# of strides	12.40	12.68
wind	-2.1 m/s	velocity	7.45	8.79	8.13	7.66	7.97		8.06	7.89
Yamada, Miku (JPN) (1999)										
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)									<i>Ryutaro (2018) - research on athlete performance and technique</i>
date	21-Oct-18	time	6.98	12.70	18.62	25.08	25.08	1 / 8		
reaction time	0.192	interval		5.72	5.92	6.46		# of strides	12.70	12.38
wind	1.5 m/s	velocity	7.16	8.74	8.45	7.74	7.97		7.87	8.08
Kitamura, Chisato (JPN) (1990)										
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)									<i>Abe (2008) - 61st high school championships: JAF scientific committee</i>
date	01-Aug-08	time	6.92	12.68	18.70	25.09	25.09	/ 7		
reaction time		interval		5.76	6.02	6.39		# of strides	12.68	12.41
wind	-2.4 m/s	velocity	7.23	8.68	8.31	7.82	7.97		7.89	8.06
Miyatake, Abidarari (JPN) (2002)										
U18 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)									<i>Ryutaro (2019) - research on athlete performance and technique- 2019 data book</i>
date	20-Oct-19	time	6.88	12.59	18.68	25.09	25.09	6 / 8		
reaction time	0.199	interval		5.71	6.09	6.41		# of strides	12.59	12.50
wind	-1.3 m/s	velocity	7.27	8.76	8.21	7.80	7.97	103.0	7.94	8.00
Kato, Shiori (JPN) (2001)										
U20 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)									<i>Ryutaro (2019) - research on athlete performance and technique- 2019 data book</i>
date	20-Oct-19	time	6.86	12.57	18.60	25.09	25.09	8 / 7		
reaction time	0.183	interval		5.71	6.03	6.49		# of strides	12.57	12.52

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wind	-0.8 m/s	velocity	7.29	8.76	8.29	7.70	7.97	105.0	7.96	7.99	
Jiang Yiran (CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U20 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)			Shandong Athletics Sport Science (2022)								
date	03-Sep-22	time		12.76	18.71	25.09	25.09	5 / 2			
reaction time	0.215	interval			5.95	6.38		# of strides	12.76	12.33	0.43
wind	0.6 m/s	velocity		7.84	8.40	7.84	7.97	105.0	7.84	8.11	
Wada, Maki (JPN) (1986)			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	6.58	12.31	18.40	25.10	25.10	2 / 8			
reaction time		interval		5.73	6.09	6.70		# of strides	12.31	12.79	-0.48
wind	-0.5 m/s	velocity	7.60	8.73	8.21	7.46	7.97		8.12	7.82	
Humpolíková, Pavla (CZE) (1985)			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	7.05	12.69	18.67	25.10	25.10	6 / 3			
reaction time	0.268	interval		5.64	5.98	6.43		# of strides	12.69	12.41	0.28
wind	-1.1 m/s	velocity	7.09	8.87	8.36	7.78	7.97		7.88	8.06	
Hemphill, Megu (JPN) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2022 Michitaka Kinami Memorial (Osaka, JPN)			Takefu (2023) - performance analysis of heptathletes in the 2022 season								
date	30-Apr-22	time	6.73	12.28	18.32	25.10	25.10	7 / 2			
reaction time	0.165	interval		5.55	6.04	6.78		# of strides	12.28	12.82	-0.54
wind	-1.5 m/s	velocity	7.43	9.01	8.28	7.37	7.97		8.14	7.80	
Chapman, Timara (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	19-Sep-25	time		12.55		25.10	25.10	7 / 6			
reaction time	0.150	interval				12.55		# of strides	12.55	12.55	0.00
wind	-0.3 m/s	velocity		7.97		7.97	7.97	95.0	7.97	7.97	
Iwatsubo, Yuki (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)			Iwatsubo (2008) - 61st high school championships: JAF scientific committee- biomechanics								
date	01-Aug-08	time	6.88	12.57	18.60	25.11	25.11	/ 8			
reaction time		interval		5.69	6.03	6.51		# of strides	12.57	12.54	0.03
wind	-2.4 m/s	velocity	7.27	8.79	8.29	7.68	7.96		7.96	7.97	
Hofmanová, Martina (CZE) (1995)			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	6.86	12.50	18.55	25.12	25.12	7 / 4			
reaction time	0.223	interval		5.64	6.05	6.57		# of strides	12.50	12.62	-0.12
wind	-1.1 m/s	velocity	7.29	8.87	8.26	7.61	7.96		8.00	7.92	
Delgadillo Silva, Alinny Skarleth (BOL)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 3 - 2025 World Athletics Championships (Tokyo, JPN)			Seiko Timing (2025) - 2025 World Championships race analysis								
date	17-Sep-25	time		12.32		25.13	25.13	8 / 7			
reaction time	0.163	interval				12.81		# of strides	12.32	12.81	-0.49
wind	-0.2 m/s	velocity		8.12		7.81	7.96		8.12	7.81	
Eurenius, Isabelle (SWE) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
B FINAL - 2007 Windsprint (Sundsvall, SWE)			(2007) - www.ssg.se/en/Windsprint/Split-times/								
date	24-Jul-07	time		12.57	18.55	25.14	25.14	2 / 4			
reaction time		interval			5.98	6.59	PB	# of strides	12.57	12.57	0.00
wind	2.0 m/s	velocity		7.96	8.36	7.59	7.96		7.96	7.96	
John, Viviane (GER) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 German National Youth Championships (Ulm, GER)			Graubner (2010) - http://www.fgs.uni-halle.de								
date	08-Aug-10	time		12.71	18.60	25.14	25.14	/ 8			
reaction time		interval			5.89	6.54		# of strides	12.71	12.43	0.28
wind	-0.2 m/s	velocity		7.87	8.49	7.65	7.96		7.87	8.05	
Takahashi, Aoi (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2025 Shimane High School Championships (Izumo, JPN)			Shimizu (2025) - shimane high school championships 2025 - biomechanics data analysis								
date	01-Jun-25	time		12.68	18.69	25.14	25.14	7 / 3			
reaction time		interval			6.01	6.45		# of strides	12.68	12.46	0.22

wind	2.5 m/s	velocity	7.89	8.32	7.75	7.96		7.89	8.03		
Day, Sharon (USA) (1985)											
Heptathlon - Heat 4 - 2009 IAAF World Championships (Berlin, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	15-Aug-09	time	6.84	12.48	18.55	25.15	25.15	7 / 3			
reaction time	0.232	interval		5.64	6.07	6.60		# of strides	12.48	12.67	-0.19
wind	-0.3 m/s	velocity	7.31	8.87	8.24	7.58	7.95	101.0	8.01	7.89	
Grønneberg, Alvide (NOR) (1992)											
C FINAL - 2014 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		12.86		25.15	25.15	4 / 3			
reaction time		interval				12.29		# of strides	12.86	12.29	0.57
wind	1.6 m/s	velocity		7.78		8.14	7.95		7.78	8.14	
Moriyama, Rin (JPN) (2002)											
A FINAL - 2020 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>											
date	12-Jul-20	time		12.70	18.69	25.15	25.15	6 / 1			
reaction time		interval			5.99	6.46		# of strides	12.70	12.45	0.25
wind	2.5 m/s	velocity		7.87	8.35	7.74	7.95		7.87	8.03	
Kong Lingwei (CHN) (1995)											
FINAL - 2021 Chinese National Championships (Chongqing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>CAA Hurdle Development (2021)</i>											
date	27-Jun-21	time		12.55	18.47	25.15	25.15	3 / 5			
reaction time	0.221	interval			5.92	6.68		# of strides	12.55	12.60	-0.05
wind	-0.2 m/s	velocity		7.97	8.45	7.49	7.95	99.7	7.97	7.94	
Zamzow-Mahler, Ashtin (USA) (1996)											
Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	17-Jul-22	time		12.25		25.15	25.15	7 / 7			
reaction time	0.170	interval				12.90		# of strides	12.25	12.90	-0.65
wind	1.5 m/s	velocity		8.16		7.75	7.95	102.0	8.16	7.75	
Grimm, Vanessa (GER) (1997)											
Heptathlon - Heat 2 - 2025 World Athletics Championships (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2025) - 2025 World Championships race analysis</i>											
date	19-Sep-25	time		12.64		25.15	25.15	3 / 7			
reaction time	0.191	interval				12.51		# of strides	12.64	12.51	0.13
wind	-0.3 m/s	velocity		7.91		7.99	7.95	93.5	7.91	7.99	
Slettum, Elisabeth (NOR) (1986)											
B FINAL - 2012 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>											
date	17-Jun-12	time		12.83		25.16	25.16	/ 3			
reaction time		interval				12.33		# of strides	12.83	12.33	0.50
wind	1.9 m/s	velocity		7.79		3.97	7.95		7.79	8.11	
Hässel, Julia (SWE) (1994)											
C FINAL - 2014 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		12.65		25.16	25.16	3 / 4			
reaction time		interval				12.51		# of strides	12.65	12.51	0.14
wind	1.6 m/s	velocity		7.91		7.99	7.95		7.91	7.99	
Krizsán, Xénia (HUN) (1993)											
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Seiko Timing (2023) - world championship race analysis</i>											
date	19-Aug-23	time		12.71		25.16	25.16	4 / 3			
reaction time	0.175	interval				12.45		# of strides	12.71	12.45	0.26
wind	-0.1 m/s	velocity		7.87		8.03	7.95	94.0	7.87	8.03	
Nagato, Tomoka (JPN)											
FINAL - 2018 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>											
date	27-May-18	time		12.59		25.17	25.17	5 / 1			
reaction time		interval				12.58		# of strides	12.59	12.58	0.01
wind	0.8 m/s	velocity		7.94		7.95	7.95		7.94	7.95	
Montijn, Valéria (NED) (2002)											
National FINAL - 2024 FBK Games (Hengelo, NED)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Omega Timing (2024) - continental tour gold race analysis</i>											
date	07-Jul-24	time	6.85	12.58	18.58	25.17	25.17	1 / 8			
reaction time	0.209	interval		5.73	6.00	6.59		# of strides	12.58	12.59	-0.01

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

wind	-0.3 m/s	velocity	7.30	8.73	8.33	7.59	7.95		7.95	7.94	
Hemphill, Megu (JPN) (1996)											
Heptathlon - Heat 3	- 2018 Japanese National Multi-Event Championships (Nagano, JPN)					Matsubayashi (2018) - research on athlete performance and technique					
date	16-Jun-18	time	6.92	12.61	18.63	25.20	25.20	6 / 4			
reaction time		interval		5.69	6.02	6.57		# of strides	12.61	12.59	0.02
wind	2.2 m/s	velocity	7.23	8.79	8.31	7.61	7.94		7.93	7.94	
Kato, Shiori (JPN) (2001)											
FINAL	- 2020 Japanese U20 National Championships (Hiroshima, JPN)					Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020					
date	25-Oct-20	time	6.85	12.66	18.77	25.20	25.20	4 / 6			
reaction time	0.187	interval		5.81	6.11	6.43		# of strides	12.66	12.54	0.12
wind	1.7 m/s	velocity	7.30	8.61	8.18	7.78	7.94	108.4	7.90	7.97	
Xu Zihan (CHN) (2004)											
U20 FINAL	- 2022 Shandong Provincial Games (Rizhao, CHN)					Shandong Athletics Sport Science (2022)					
date	03-Sep-22	time		12.46	18.57	25.20	25.20	6 / 3			
reaction time	0.207	interval			6.11	6.63	PB	# of strides	12.46	12.74	-0.28
wind	0.6 m/s	velocity		8.03	8.18	7.54	7.94	106.0	8.03	7.85	
Burns, Shaina (USA) (1996)											
Heptathlon - Heat 3	- 2024 USA Olympic Trials (Eugene, OR)					USATF and Karmarush (2024) - USA Olympic trials results and race analysis					
date	23-Jun-24	time	6.88	12.77	18.66	25.20	25.20	8 / 1			
reaction time		interval		5.89	5.89	6.54		# of strides	12.77	12.43	0.34
wind	1.8 m/s	velocity	7.27	8.49	8.49	7.65	7.94		7.83	8.05	
Assel, Anna Lena (GER) (1991)											
FINAL	- 2010 German National Junior Championships (Ulm, GER)					Graubner (2010) - http://www.fgs.uni-halle.de					
date	07-Aug-10	time		12.83	18.76	25.21	25.21	/ 6			
reaction time		interval			5.93	6.45		# of strides	12.83	12.38	0.45
wind	-0.1 m/s	velocity		7.79	8.43	7.75	7.93		7.79	8.08	
Montler, Estelle (SWE) (1991)											
B FINAL	- 2015 Windsprint (Sundsvall, SWE)					(2015) - www.windsprint/Splittider/					
date	26-Jul-15	time		12.90		25.21	25.21	5 / 3			
reaction time		interval				12.31		# of strides	12.90	12.31	0.59
wind	1.6 m/s	velocity		7.75		8.12	7.93		7.75	8.12	
Hemphill, Megu (JPN) (1996)											
Heptathlon - FINAL	- 2022 Japanese Multi-Event National Championships (Akita, JPN)					Matsubayashi (2023) - performance analysis of heptathletes in the 2022 season					
date	04-Jun-22	time	6.93	12.66	18.67	25.21	25.21	5 / 1			
reaction time		interval		5.73	6.01	6.54		# of strides	12.66	12.55	0.11
wind	0.9 m/s	velocity	7.22	8.73	8.32	7.65	7.93		7.90	7.97	
Yamasaki, Yuki (JPN) (1995)											
Heptathlon - Heat 3	- 2018 Tokyo Combined Event Meeting (Tokyo, JPN)					Matsubayashi (2018) - research on athlete performance and technique					
date	21-Apr-18	time	6.75	12.47	18.33	25.22	25.22	3 / 2			
reaction time		interval		5.72	5.86	6.89		# of strides	12.47	12.75	-0.28
wind	-0.4 m/s	velocity	7.41	8.74	8.53	7.26	7.93		8.02	7.84	
Kramer, Hannah (GER) (1991)											
B FINAL	- 2010 German National Junior Championships (Ulm, GER)					Graubner (2010) - http://www.fgs.uni-halle.de					
date	07-Aug-10	time		12.72	18.73	25.26	25.26	/ 4			
reaction time		interval			6.01	6.53		# of strides	12.72	12.54	0.18
wind	-0.2 m/s	velocity		7.86	8.32	7.66	7.92		7.86	7.97	
Tornemark, Pernilla (SWE) (1985)											
B FINAL	- 2012 Windsprint (Sundsvall, SWE)					(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx					
date	17-Jun-12	time		12.81		25.27	25.27	/ 4			
reaction time		interval				12.46		# of strides	12.81	12.46	0.35
wind	1.9 m/s	velocity		7.81		3.96	7.91		7.81	8.03	
Kiriya, Chie (JPN) (1991)											
Heptathlon - Heat 3	- 2018 Japanese National Multi-Event Championships (Nagano, JPN)					Matsubayashi (2018) - research on athlete performance and technique					
date	16-Jun-18	time	6.90	12.71	18.74	25.27	25.27	3 / 5			
reaction time		interval		5.81	6.03	6.53		# of strides	12.71	12.56	0.15

wind	2.2 m/s	velocity	7.25	8.61	8.29	7.66	7.91		7.87	7.96	
Hemphill, Megu (JPN) (1996)											
Heptathlon - Heat 3	2020 Japanese Multi-Event National Championships (Matsuyama, JPN) (2020) - research athlete performance technique- 2020 databook										
date	26-Sep-20	time	6.84	12.54	18.58	25.27	25.27	7 / 3			
reaction time		interval		5.70	6.04	6.69		# of strides	12.54	12.73	-0.19
wind	1.1 m/s	velocity	7.31	8.77	8.28	7.47	7.91		7.97	7.86	
Williams, Kendell (USA) (1995)											
Heptathlon - Heat 2	2022 World Athletics Championships (Eugene, OR) Timing by Seiko (2022) - world athletics championships race analysis										
date	17-Jul-22	time		12.63		25.27	25.27	6 / 8			
reaction time	0.153	interval				12.64		# of strides	12.63	12.64	-0.01
wind	1.4 m/s	velocity		7.92		7.91	7.91		7.92	7.91	
Häfele, Sabrina (GER) (1993)											
B FINAL	2010 German National Youth Championships (Ulm, GER) Graubner (2010) - http://www.fgs.uni-halle.de										
date	08-Aug-10	time		12.98	18.89	25.28	25.28	/ 2			
reaction time		interval			5.91	6.39		# of strides	12.98	12.30	0.68
wind	0.7 m/s	velocity		7.70	8.46	7.82	7.91		7.70	8.13	
Grønhaug, Stine Marie (NOR) (1992)											
C FINAL	2012 Windsprint (Sundsvall, SWE) (2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx										
date	17-Jun-12	time		12.72		25.28	25.28	/ 2			
reaction time		interval				12.56		# of strides	12.72	12.56	0.16
wind	0.1 m/s	velocity		7.86		3.96	7.91		7.86	7.96	
Liu Qingyu (CHN) (2004)											
FINAL	2023 Chinese National Grand Prix 4 (Chongqing, CHN) Shandong Athletics Sport Science (2023)										
date	04-Jun-23	time		12.75	18.74	25.28	25.28	1 / 4			
reaction time	0.244	interval			5.99	6.54		# of strides	12.75	12.53	0.22
wind	-0.1 m/s	velocity		7.84	8.35	7.65	7.91	104.0	7.84	7.98	
Mochida, Kanon (JPN) (2003)											
A FINAL	2020 Shimane High School Championships (Izumo, JPN) Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis										
date	12-Jul-20	time		12.73	18.80	25.29	25.29	4 / 2			
reaction time		interval			6.07	6.49		# of strides	12.73	12.56	0.17
wind	2.5 m/s	velocity		7.86	8.24	7.70	7.91		7.86	7.96	
Fretzschner, Isabel (GER) (1992)											
FINAL	2010 German National Junior Championships (Ulm, GER) Graubner (2010) - http://www.fgs.uni-halle.de										
date	07-Aug-10	time		13.01	19.03	25.30	25.30	/ 7			
reaction time		interval			6.02	6.27		# of strides	13.01	12.29	0.72
wind	-0.1 m/s	velocity		7.69	8.31	7.97	7.91		7.69	8.14	
Saito, Manami (JPN) (1999)											
FINAL	2015 Japanese National High School Championships (Wakayama, JPN) Enomoto (2015) - 68th high school championships: JAF scientific committee										
date	01-Aug-15	time	6.87	12.90	18.85	25.30	25.30	5 / 8			
reaction time		interval		6.03	5.95	6.45		# of strides	12.90	12.40	0.50
wind	-3.4 m/s	velocity	7.28	8.29	8.40	7.75	7.91		7.75	8.06	
Moriyama, Nanae (JPN) (2001)											
U20 FINAL	2019 Japanese National U18/U20 Championships (Hiroshima, JPN) Noma (2019) - research on athlete performance and technique- 2019 data book										
date	20-Oct-19	time	6.88	12.69	18.71	25.30	25.30	1 / 8			
reaction time	0.159	interval		5.81	6.02	6.59		# of strides	12.69	12.61	0.08
wind	-0.8 m/s	velocity	7.27	8.61	8.31	7.59	7.91	102.0	7.88	7.93	
Yuan Qiqi (CHN) (1995)											
Heat 1	2020 Chinese Olympic Trials (Shaoxing, CHN) CAA Hurdle Development (2021)										
date	12-Jun-21	time		12.43		25.30	25.30	2 / 6			
reaction time	0.199	interval				12.87		# of strides	12.43	12.87	-0.44
wind	-0.2 m/s	velocity		8.05		7.77	7.91	119.7	8.05	7.77	
Yamasaki, Yuki (JPN) (1995)											
Heptathlon - Heat 1	2024 Japanese National Multi-Event Championships (Matsuyama, JPN) (2024) - performance analysis of heptathlon athletes in the 2024 season										
date	22-Jun-24	time	6.76	12.44	18.66	25.30	25.30	6 / 1			
reaction time		interval		5.68	6.22	6.64		# of strides	12.44	12.86	-0.42

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wind	-1.9 m/s	velocity	7.40	8.80	8.04	7.53	7.91		8.04	7.78	
Atsuta, Kokoro (JPN) (2001)											
Heptathlon - Heat 2			2024 Japanese National Multi-Event Championships (Matsuyama, JPN) (2024) - performance analysis of heptathlon athletes in the 2024 season								
date	22-Jun-24	time	6.74	12.52	18.67	25.30	25.30	6 / 1			
reaction time		interval		5.78	6.15	6.63		# of strides	12.52	12.78	-0.26
wind	-1.6 m/s	velocity	7.42	8.65	8.13	7.54	7.91		7.99	7.82	
Sönnerfors, Marie (SWE) (1993)											
D FINAL			2014 Windsprint (Sundsvall, SWE)			Johansen (2014) - www.ssg.se/windsprint/Splittider/					
date	20-Jul-14	time		12.85		25.31	25.31	5 / 3			
reaction time		interval				12.46		# of strides	12.85	12.46	0.39
wind	2.0 m/s	velocity		7.78		8.03	7.90		7.78	8.03	
Huang Ziting (CHN) (2003)											
Heat 2			2020 Chinese Olympic Trials (Shaoxing, CHN)			CAA Hurdle Development (2021)					
date	12-Jun-21	time		12.68		25.31	25.31	8 / 6			
reaction time	0.156	interval				12.63		# of strides	12.68	12.63	0.05
wind	-0.4 m/s	velocity		7.89		7.92	7.90		7.89	7.92	
Odama, Karin (JPN) (1999)											
Heptathlon - Heat 2			2023 Michitaka Kinami Memorial (Osaka, JPN)			Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2023 season					
date	07-May-23	time	6.83	12.44	18.53	25.31	25.31	9 / 3			
reaction time	0.209	interval		5.61	6.09	6.78		# of strides	12.44	12.87	-0.43
wind	-0.2 m/s	velocity	7.32	8.91	8.21	7.37	7.90		8.04	7.77	
De Aniceto, Marisa (FRA) (1986)											
Heptathlon - Heat 2			2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	15-Aug-09	time	6.82	12.59	18.72	25.32	25.32	2 / 3			
reaction time	0.187	interval		5.77	6.13	6.60		# of strides	12.59	12.73	-0.14
wind	-0.3 m/s	velocity	7.33	8.67	8.16	7.58	7.90	103.0	7.94	7.86	
Štychová, Martina (CZE) (1992)											
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	7.04	12.73	18.77	25.32	25.32	6 / 5			
reaction time	0.214	interval		5.69	6.04	6.55		# of strides	12.73	12.59	0.14
wind	-1.2 m/s	velocity	7.10	8.79	8.28	7.63	7.90		7.86	7.94	
Isaksen, Iren Vevatne (NOR) (1985)											
B FINAL			2012 Windsprint (Sundsvall, SWE)			(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx					
date	17-Jun-12	time		12.70		25.33	25.33	/ 5			
reaction time		interval				12.63		# of strides	12.70	12.63	0.07
wind	1.9 m/s	velocity		7.87		3.95	7.90		7.87	7.92	
Tomb, Stine (NOR) (1986)											
B FINAL			2014 Windsprint (Sundsvall, SWE)			Johansen (2014) - www.ssg.se/windsprint/Splittider/					
date	20-Jul-14	time		12.71		25.33	25.33	5 / 4			
reaction time		interval				12.62		# of strides	12.71	12.62	0.09
wind	1.8 m/s	velocity		7.87		7.92	7.90		7.87	7.92	
Qiu Xiao (CHN) (2004)											
U20 FINAL			2022 Shandong Provincial Games (Rizhao, CHN)			Shandong Athletics Sport Science (2022)					
date	03-Sep-22	time		12.71	18.77	25.34	25.34	3 / 4			
reaction time	0.292	interval			6.06	6.57	PB	# of strides	12.71	12.63	0.08
wind	0.6 m/s	velocity		7.87	8.25	7.61	7.89	102.2	7.87	7.92	
Yamasaki, Yuki (JPN) (1995)											
Heptathlon - Heat 3			2023 Japanese Multi-Event National Championships (Miyazaki, JPN) (2024) - performance analysis of heptathlon athletes in the 2023 season								
date	10-Jun-23	time	6.81	12.51	18.59	25.34	25.34	5 / 2			
reaction time		interval		5.70	6.08	6.75		# of strides	12.51	12.83	-0.32
wind	0.1 m/s	velocity	7.34	8.77	8.22	7.41	7.89		7.99	7.79	
Xu Zihan (CHN) (2004)											
U20 Heat 2			2022 Shandong Provincial Games (Rizhao, CHN)			Shandong Athletics Sport Science (2022)					
date	02-Sep-22	time		12.51	18.67	25.36	25.36	3 / 1			
reaction time	0.257	interval			6.16	6.69	PB	# of strides	12.51	12.85	-0.34

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DV=Drug Violation

wind	0.8 m/s	velocity	7.99	8.12	7.47	7.89	106.5	7.99	7.78	
Bischoff, Lena (SUI) (2007)										
U18/U20 FINAL - 2025 Athletissima (Lausanne, SUI)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Omega Timing (2025) - diamond league race analysis							
date	20-Aug-25	time	6.87	12.57	18.71	25.36	25.36	2 / 7		
reaction time	0.164	interval		5.70	6.14	6.65		# of strides	12.57	12.79
wind	0.1 m/s	velocity	7.28	8.77	8.14	7.52	7.89		7.96	7.82
Straub, Regina (GER) (1992)										
B FINAL - 2010 German National Junior Championships (Ulm, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Graubner (2010) - http://www.fgs.uni-halle.de							
date	07-Aug-10	time		12.83	18.86	25.37	25.37	/ 5		
reaction time		interval			6.03	6.51		# of strides	12.83	12.54
wind	-0.2 m/s	velocity		7.79	8.29	7.68	7.88		7.79	7.97
Næss, Heidi Hessian (NOR) (1989)										
B FINAL - 2015 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			(2015) - www.windsprint/Splittider/							
date	26-Jul-15	time		12.87		25.37	25.37	3 / 4		
reaction time		interval				12.50		# of strides	12.87	12.50
wind	1.6 m/s	velocity		7.77		8.00	7.88		7.77	8.00
Boríková, Michaela (CZE) (1995)										
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Feher (2013) - Final report men's & women's Czech Republic national champs							
date	16-Jun-13	time	6.91	12.67	18.76	25.38	25.38	2 / 5		
reaction time	0.192	interval		5.76	6.09	6.62		# of strides	12.67	12.71
wind	-1.1 m/s	velocity	7.24	8.68	8.21	7.55	7.88		7.89	7.87
Hemphill, Megu (JPN) (1996)										
Heptathlon - Heat 3 - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Matsubayashi (2018) - research on athlete performance and technique							
date	21-Apr-18	time	6.94	12.71	18.78	25.39	25.39	4 / 4		
reaction time		interval		5.77	6.07	6.61		# of strides	12.71	12.68
wind	-0.4 m/s	velocity	7.20	8.67	8.24	7.56	7.88		7.87	7.89
Ligarska, Paulina (POL) (1996)										
Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Seiko Timing (2023) - world championship race analysis							
date	19-Aug-23	time		12.81		25.41	25.41	7 / 8		
reaction time	0.215	interval				12.60		# of strides	12.81	12.60
wind	-0.1 m/s	velocity		7.81		7.94	7.87	91.0	7.81	7.94
Næss, Heidi Hessian (NOR) (1989)										
E FINAL - 2014 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Johansen (2014) - www.ssg.se/windsprint/Splittider/							
date	20-Jul-14	time		13.14		25.42	25.42	5 / 1		
reaction time		interval				12.28		# of strides	13.14	12.28
wind	1.3 m/s	velocity		7.61		8.14	7.87		7.61	8.14
Yamasaki, Yuki (JPN) (1995)										
Heptathlon - FINAL - 2022 Japanese Multi-Event National Championships (Akita, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Takefu (2023) - performance analysis of heptathletes in the 2022 season							
date	04-Jun-22	time	6.87	12.56	18.64	25.42	25.42	7 / 2		
reaction time		interval		5.69	6.08	6.78		# of strides	12.56	12.86
wind	0.9 m/s	velocity	7.28	8.79	8.22	7.37	7.87		7.96	7.78
Hemphill, Megu (JPN) (1996)										
Heptathlon - Heat 3 - 2024 Japanese National Multi-Event Championships (Matsuyama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2024 season							
date	22-Jun-24	time	6.85	12.54	18.68	25.43	25.43	8 / 1		
reaction time		interval		5.69	6.14	6.75		# of strides	12.54	12.89
wind	-1.6 m/s	velocity	7.30	8.79	8.14	7.41	7.86		7.97	7.76
Xu Zihan (CHN) (2004)										
Heat 2 - 2023 Chinese National Grand Prix 1 (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Shandong Athletics Sport Science (2023)							
date	27-Apr-23	time		12.34	18.57	25.43	25.43	3 / 5		
reaction time	0.157	interval			6.23	6.86		# of strides	12.34	13.09
wind	0.8 m/s	velocity		8.10	8.03	7.29	7.86	109.2	8.10	7.64
Qiu Xiao (CHN) (2004)										
U20 Heat 1 - 2022 Shandong Provincial Games (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			Shandong Athletics Sport Science (2022)							
date	02-Sep-22	time		12.65	18.78	25.43	25.43	4 / 1		
reaction time	0.226	interval			6.13	6.65		# of strides	12.65	12.78

wind	0.6 m/s	velocity	7.91	8.16	7.52	7.86	103.0	7.91	7.82	
Lutschak, Saskia (GER) (1995)										
B FINAL - 2010 German National Youth Championships (Ulm, GER)										
date	08-Aug-10	time	13.05	18.98	25.44	25.44	/ 3			
reaction time		interval		5.93	6.46		# of strides	13.05	12.39	0.66
wind	0.7 m/s	velocity	7.66	8.43	7.74	7.86		7.66	8.07	
Jensen, Christine Bjelland (NOR) (1995)										
C FINAL - 2012 Windsprint (Sundsvall, SWE)										
date	17-Jun-12	time	12.86		25.45	25.45	/ 3			
reaction time		interval			12.59		# of strides	12.86	12.59	0.27
wind	0.1 m/s	velocity	7.78		3.93	7.86		7.78	7.94	
Doha, Razki (MAR) (2001)										
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
date	28-May-23	time	6.94	12.73	18.81	25.45	25.45	7 / 4		
reaction time	0.210	interval		5.79	6.08	6.64	PB	# of strides	12.73	12.72
wind	1.4 m/s	velocity	7.20	8.64	8.22	7.53	7.86		7.86	7.86
Wieß, Patricia (GER)										
FINAL - 2010 German National Junior Championships (Ulm, GER)										
date	07-Aug-10	time	13.13	19.15	25.46	25.46	/ 8			
reaction time		interval		6.02	6.31		# of strides	13.13	12.33	0.80
wind	-0.1 m/s	velocity	7.62	8.31	7.92	7.86		7.62	8.11	
Lu Haoran (CHN)										
U20 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)										
date	03-Sep-22	time	12.63	18.74	25.48	25.48	7 / 5			
reaction time	0.172	interval		6.11	6.74		# of strides	12.63	12.85	-0.22
wind	0.6 m/s	velocity	7.92	8.18	7.42	7.85	105.0	7.92	7.78	
Voronina, Ekaterina (UZB) (1992)										
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)										
date	19-Aug-23	time	12.81		25.48	25.48	6 / 4			
reaction time	0.153	interval			12.67		# of strides	12.81	12.67	0.14
wind	-0.1 m/s	velocity	7.81		7.89	7.85	96.0	7.81	7.89	
Grabuste, Aiga (LAT) (1988)										
Heptathlon - Heat 4 - 2009 IAAF World Championships (Berlin, GER)										
date	15-Aug-09	time	6.86	12.46	18.63	25.49	25.49	8 / 4		
reaction time	0.170	interval		5.60	6.17	6.86		# of strides	12.46	13.03
wind	-0.3 m/s	velocity	7.29	8.93	8.10	7.29	7.85	98.0	8.03	7.67
Holsten, Sarina (GER) (1994)										
B FINAL - 2010 German National Youth Championships (Ulm, GER)										
date	08-Aug-10	time	12.92	18.93	25.49	25.49	/ 4			
reaction time		interval		6.01	6.56		# of strides	12.92	12.57	0.35
wind	0.7 m/s	velocity	7.74	8.32	7.62	7.85		7.74	7.96	
Müller, Laura (GER) (1995)										
B FINAL - 2010 German National Youth Championships (Ulm, GER)										
date	08-Aug-10	time	12.93	19.01	25.50	25.50	/ 5			
reaction time		interval		6.08	6.49		# of strides	12.93	12.57	0.36
wind	0.7 m/s	velocity	7.73	8.22	7.70	7.84		7.73	7.96	
Brubak, Mari Gilde (NOR) (1990)										
E FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time	13.10		25.51	25.51	3 / 2			
reaction time		interval			12.41		# of strides	13.10	12.41	0.69
wind	1.3 m/s	velocity	7.63		8.06	7.84		7.63	8.06	
Toya, Moenan (JPN)										
FINAL - 2018 Shimane High School Championships (Izumo, JPN)										
date	27-May-18	time	12.69		25.50	25.51	3 / 2			
reaction time		interval			12.81		# of strides	12.69	12.81	-0.12

wind	0.8 m/s	velocity	7.88	7.81	7.84	7.88	7.81			
Salivaara, Katja (FIN) (1980)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
B FINAL - 2008 Windsprint (Sundsvall, SWE)							(2008) - www.ssg.se/en/Windsprint/Split-times/			
date	06-Jul-08	time	12.56	18.71	25.52	25.52	5 / 4			
reaction time		interval		6.15	6.81		# of strides	12.56	12.96	-0.40
wind	1.2 m/s	velocity	7.96	8.13	7.34	7.84		7.96	7.72	
Thiam, Nafissatou (BEL) (1994)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heptathlon - Heat 1 - 2025 World Athletics Championships (Tokyo, JPN)							Seiko Timing (2025) - 2025 World Championships race analysis			
date	19-Sep-25	time	12.68		25.52	25.52	2 / 8			
reaction time	0.180	interval			12.84		# of strides	12.68	12.84	-0.16
wind	0.2 m/s	velocity	7.89		7.79	7.84	94.0	7.89	7.79	
Ishikura, Tamaki (JPN) (2005)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Shimane High School Championships (Izumo, JPN)							Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis			
date	28-May-23	time	12.77	18.91	25.54	25.54	4 / 1			
reaction time		interval		6.14	6.63		# of strides	12.77	12.77	0.00
wind	-0.1 m/s	velocity	7.83	8.14	7.54	7.83		7.83	7.83	
Ishikura, Tamaki (JPN) (2005)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN)							Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis			
date	30-May-21	time	12.91	19.06	25.59	25.59	6 / 1			
reaction time		interval		6.15	6.53		# of strides	12.91	12.68	0.23
wind	2.9 m/s	velocity	7.75	8.13	7.66	7.82		7.75	7.89	
Huo Min (CHN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)							Shandong Athletics Sport Science (2022)			
date	03-Sep-22	time	12.80	18.97	25.60	25.60	6 / 1			
reaction time	0.203	interval		6.17	6.63		# of strides	12.80	12.80	0.00
wind	-0.1 m/s	velocity	7.81	8.10	7.54	7.81	103.2	7.81	7.81	
Nagaoka, Risa (JPN) (2008)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Shimane High School Championships (Izumo, JPN)							Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis			
date	28-May-23	time	12.92	19.09	25.60	25.60	3 / 2			
reaction time		interval		6.17	6.51		# of strides	12.92	12.68	0.24
wind	-0.1 m/s	velocity	7.74	8.10	7.68	7.81		7.74	7.89	
Tamaki, Mayu (JPN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2024 Shimane High School Championships (Izumo, JPN)							Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis			
date	26-May-24	time	12.70	18.92	25.60	25.60	7 / 4			
reaction time		interval		6.22	6.68		# of strides	12.70	12.90	-0.20
wind	1.0 m/s	velocity	7.87	8.04	7.49	7.81		7.87	7.75	
Nemes, Rita (HUN) (1989)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heptathlon - Heat 1 - 2024 Olympic Games (Paris, FRA)							Paris 2024 Olympic Games - Results Book (2024)			
date	08-Aug-24	time	7.12	12.99	19.09	25.61	3 / 7			
reaction time	0.176	interval		5.87	6.10	6.52	# of strides	12.99	12.62	0.37
wind	0.2 m/s	velocity	7.02	8.52	8.20	7.67	93.0	7.70	7.92	
Hata, Kokomi (JPN) (2006)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Shimane High School Championships (Izumo, JPN)							Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis			
date	28-May-23	time	12.72	18.90	25.62	25.62	6 / 3			
reaction time		interval		6.18	6.72		# of strides	12.72	12.90	-0.18
wind	-0.1 m/s	velocity	7.86	8.09	7.44	7.81		7.86	7.75	
Brandt, Julia (GER) (1993)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
B FINAL - 2010 German National Youth Championships (Ulm, GER)							Graubner (2010) - http://www.fgs.uni-halle.de			
date	08-Aug-10	time	13.01	19.02	25.64	25.64	/ 6			
reaction time		interval		6.01	6.62		# of strides	13.01	12.63	0.38
wind	0.7 m/s	velocity	7.69	8.32	7.55	7.80		7.69	7.92	
Xu Zihan (CHN) (2004)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 2 - 2023 Chinese National Grand Prix 3 (Taizhou, CHN)							Shandong Athletics Sport Science (2023)			
date	27-May-23	time	12.36	18.62	25.65	25.65	7 / 5			
reaction time	0.194	interval		6.26	7.03		# of strides	12.36	13.29	-0.93

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DV=Drug Violation

wind	-1.3 m/s	velocity	8.09	7.99	7.11	7.80	111.5	8.09	7.52	
Jansson, Ida (SWE) (1995)										
E FINAL - 2014 Windsprint (Sundsvall, SWE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>							
date	20-Jul-14	time	13.08			25.67	25.67	4 / 3		
reaction time		interval				12.59		# of strides	13.08	12.59
wind	1.3 m/s	velocity	7.65			7.94	7.79		7.65	7.94
Valeria, Martha (COL) (1996)										
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Seiko Timing (2023) - world championship race analysis</i>							
date	19-Aug-23	time	12.64			25.67	25.67	5 / 5		
reaction time	0.184	interval				13.03		# of strides	12.64	13.03
wind	-0.1 m/s	velocity	7.91			7.67	7.79	103.0	7.91	7.67
Wang Yuqing (CHN) (2005)										
U20 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Shandong Athletics Sport Science (2022)</i>							
date	03-Sep-22	time	12.95	19.11		25.68	25.68	8 / 6		
reaction time	0.196	interval		6.16		6.57		# of strides	12.95	12.73
wind	0.6 m/s	velocity	7.72	8.12		7.61	7.79	99.5	7.72	7.86
Oshita, Airi (JPN)										
FINAL - 2019 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis</i>							
date	26-May-19	time	13.01	19.19		25.69	25.69	5 / 1		
reaction time		interval		6.18		6.50		# of strides	13.01	12.68
wind	3.2 m/s	velocity	7.69	8.09		7.69	7.79		7.69	7.89
Mrnová, Markéta (CZE) (1991)										
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>							
date	16-Jun-13	time	7.09	12.87	19.05	25.73	25.73	8 / 6		
reaction time	0.286	interval		5.78	6.18	6.68		# of strides	12.87	12.86
wind	-1.2 m/s	velocity	7.05	8.65	8.09	7.49	7.77		7.77	7.78
Wang Yicheng (CHN)										
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Shandong Athletics Sport Science (2022)</i>							
date	03-Sep-22	time	12.86	19.04		25.76	25.76	5 / 2		
reaction time	0.236	interval		6.18		6.72		# of strides	12.86	12.90
wind	-0.1 m/s	velocity	7.78	8.09		7.44	7.76	104.0	7.78	7.75
Zamzow-Mahler, Ashtin (USA) (1996)										
Heptathlon - Heat 2 - 2024 USA Olympic Trials (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>							
date	23-Jun-24	time	6.73	12.60	18.89	25.76	25.76	8 / 5		
reaction time		interval		5.87	6.29	6.87		# of strides	12.60	13.16
wind	1.1 m/s	velocity	7.43	8.52	7.95	7.28	7.76		7.94	7.60
Oga, Yuri (JPN) (1999)										
FINAL - 2017 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>							
date	28-May-17	time	13.07			25.77	25.77	5 / 2		
reaction time		interval				12.70		# of strides	13.07	12.70
wind	-1.3 m/s	velocity	7.65			7.87	7.76		7.65	7.87
Kaneko, Akira (JPN)										
FINAL - 2024 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis</i>							
date	26-May-24	time	12.83	19.09		25.77	25.77	9 / 5		
reaction time		interval		6.26		6.68		# of strides	12.83	12.94
wind	1.0 m/s	velocity	7.79	7.99		7.49	7.76		7.79	7.73
Kiriya, Chie (JPN) (1991)										
Heptathlon - Heat 2 - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Matsubayashi (2018) - research on athlete performance and technique</i>							
date	21-Apr-18	time	6.87	12.73	18.92	25.80	25.80	4 / 1		
reaction time		interval		5.86	6.19	6.88		# of strides	12.73	13.07
wind	-2.8 m/s	velocity	7.28	8.53	8.08	7.27	7.75		7.86	7.65
Ding Yachen (CHN)										
U20 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
			<i>Shandong Athletics Sport Science (2022)</i>							
date	03-Sep-22	time	12.95	19.04		25.80	25.80	2 / 7		
reaction time	0.288	interval		6.09		6.76		# of strides	12.95	12.85

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DV=Drug Violation

wind	0.6 m/s	velocity	7.72	8.21	7.40	7.75	98.7	7.72	7.78		
Gu Zihan (CHN) (2001)											
Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
CAA Hurdle Development (2021)											
date	12-Jun-21	time	12.75		25.82	25.82	1 / 7				
reaction time	0.197	interval			13.07		# of strides	12.75	13.07	-0.32	
wind	-0.2 m/s	velocity	7.84		7.65	7.75		7.84	7.65		
Mochida, Kanon (JPN) (2003)											
FINAL - 2021 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis											
date	30-May-21	time	12.94	19.21	25.83	25.83	3 / 2				
reaction time		interval		6.27	6.62		# of strides	12.94	12.89	0.05	
wind	2.9 m/s	velocity	7.73	7.97	7.55	7.74		7.73	7.76		
Qiu Zitong (CHN)											
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shandong Athletics Sport Science (2022)											
date	03-Sep-22	time	12.76	19.06	25.85	25.85	4 / 3				
reaction time	0.212	interval		6.30	6.79		# of strides	12.76	13.09	-0.33	
wind	-0.1 m/s	velocity	7.84	7.94	7.36	7.74	104.7	7.84	7.64		
Lagger, Sarah (AUT) (1999)											
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seiko Timing (2023) - world championship race analysis											
date	19-Aug-23	time	13.04		25.86	25.86	3 / 6				
reaction time	0.220	interval			12.82		# of strides	13.04	12.82	0.22	
wind	-0.1 m/s	velocity	7.67		7.80	7.73	96.7	7.67	7.80		
Moriyama, Rin (JPN) (2002)											
FINAL - 2019 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis											
date	26-May-19	time	13.26	19.39	25.88	25.88	7 / 2				
reaction time		interval		6.13	6.49		# of strides	13.26	12.62	0.64	
wind	3.2 m/s	velocity	7.54	8.16	7.70	7.73		7.54	7.92		
Odama, Karin (JPN) (1999)											
Heptathlon - Heat 3 - 2020 Japanese Multi-Event National Championships (Matsuyama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Matsuyama (2020) - research athlete performance technique- 2020 databook											
date	26-Sep-20	time	6.95	12.83	19.04	25.88	25.88	3 / 5			
reaction time		interval		5.88	6.21	6.84	# of strides	12.83	13.05	-0.22	
wind	1.1 m/s	velocity	7.19	8.50	8.05	7.31	7.73	7.79	7.66		
Murakami, Tamamo (JPN)											
FINAL - 2022 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis											
date	28-May-22	time	12.87	19.08	25.88	25.88	5 / 1				
reaction time		interval		6.21	6.80		# of strides	12.87	13.01	-0.14	
wind	1.7 m/s	velocity	7.77	8.05	7.35	7.73		7.77	7.69		
Oshita, Airi (JPN)											
FINAL - 2018 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis											
date	27-May-18	time	12.86		25.88	25.88	4 / 3				
reaction time		interval			13.02		# of strides	12.86	13.02	-0.16	
wind	0.8 m/s	velocity	7.78		7.68	7.72		7.78	7.68		
Odama, Karin (JPN) (1999)											
Heptathlon - Heat 3 - 2023 Japanese Multi-Event National Championships (Matsuyama, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Matsuyama (2024) - performance analysis of heptathlon athletes in the 2023 season											
date	10-Jun-23	time	7.08	12.93	19.10	25.91	25.91	8 / 4			
reaction time		interval		5.85	6.17	6.81	# of strides	12.93	12.98	-0.05	
wind	0.1 m/s	velocity	7.06	8.55	8.10	7.34	7.72	7.73	7.70		
Toya, Moenan (JPN)											
FINAL - 2017 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis											
date	28-May-17	time	12.92		25.92	25.92	6 / 3				
reaction time		interval			13.00		# of strides	12.92	13.00	-0.08	
wind	-1.3 m/s	velocity	7.74		7.69	7.72		7.74	7.69		
Tsugumi, Kaneko (JPN)											
A FINAL - 2020 Shimane High School Championships (Izumo, JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis											
date	12-Jul-20	time	12.90	19.18	25.92	25.92	5 / 3				
reaction time		interval		6.28	6.74		# of strides	12.90	13.02	-0.12	

wind	2.5 m/s	velocity	7.75	7.96	7.42	7.72		7.75	7.68		
Chládková, Denisa (CZE) (1995)											
Heat 1	- 2013 Czech Republic National Championships (Tábor, CZE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	16-Jun-13	time	6.98	12.72	18.93	25.93	25.93	7 / 7			
reaction time	0.295	interval		5.74	6.21	7.00		# of strides	12.72	13.21	-0.49
wind	-1.2 m/s	velocity	7.16	8.71	8.05	7.14	7.71		7.86	7.57	
Maeda, Rune (JPN)											
FINAL	- 2017 Shimane High School Championships (Izumo, JPN) Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-17	time		12.83		25.95	25.95	9 / 4			
reaction time		interval				13.12		# of strides	12.83	13.12	-0.29
wind	-1.3 m/s	velocity		7.79		7.62	7.71		7.79	7.62	
Panboon, Fanny (SWE) (1995)											
C FINAL	- 2012 Windsprint (Sundsvall, SWE) (2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-Jun-12	time		12.76		25.97	25.97	/ 4			
reaction time		interval				13.21		# of strides	12.76	13.21	-0.45
wind	0.1 m/s	velocity		7.84		3.85	7.70		7.84	7.57	
Odama, Karin (JPN) (1999)											
Heptathlon - FINAL	- 2022 Japanese Multi-Event National Championships (Akita, JPN) Nakatsu (2023) - performance analysis of heptathletes in the 2022 season		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	04-Jun-22	time	7.08	12.90	19.12	26.06	26.06	9 / 4			
reaction time		interval		5.82	6.22	6.94		# of strides	12.90	13.16	-0.26
wind	0.9 m/s	velocity	7.06	8.59	8.04	7.20	7.67		7.75	7.60	
Mochida, Kanon (JPN) (2003)											
FINAL	- 2019 Shimane High School Championships (Izumo, JPN) Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-May-19	time		13.40	19.60	26.08	26.08	6 / 3			
reaction time		interval			6.20	6.48		# of strides	13.40	12.68	0.72
wind	3.2 m/s	velocity		7.46	8.06	7.72	7.67		7.46	7.89	
Liu Chenxi (CHN) (2006)											
U18 FINAL	- 2022 Shandong Provincial Games (Rizhao, CHN) Shandong Athletics Sport Science (2022)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	03-Sep-22	time		13.05	19.32	26.08	26.08	2 / 4			
reaction time	0.230	interval			6.27	6.76		# of strides	13.05	13.03	0.02
wind	-0.1 m/s	velocity		7.66	7.97	7.40	7.67	106.2	7.66	7.67	
Nagase, Nozomi (JPN)											
FINAL	- 2019 Shimane High School Championships (Izumo, JPN) Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-May-19	time		13.41	19.60	26.09	26.09	4 / 4			
reaction time		interval			6.19	6.49		# of strides	13.41	12.68	0.73
wind	3.2 m/s	velocity		7.46	8.08	7.70	7.67		7.46	7.89	
Ghalla, Kenza (MAR) (2004)											
National FINAL	- 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) Omega Timing (2023) - diamond league race analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-23	time	7.20	13.15	19.35	26.09	26.09	1 / 5			
reaction time	0.202	interval		5.95	6.20	6.74	PB	# of strides	13.15	12.94	0.21
wind	1.4 m/s	velocity	6.94	8.40	8.06	7.42	7.67		7.60	7.73	
Dahmani, Ghita (MAR) (2005)											
National FINAL	- 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) Omega Timing (2023) - diamond league race analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-23	time	7.15	13.12	19.34	26.12	26.12	2 / 6			
reaction time	0.170	interval		5.97	6.22	6.78	PB	# of strides	13.12	13.00	0.12
wind	1.4 m/s	velocity	6.99	8.38	8.04	7.37	7.66		7.62	7.69	
Nafea, Amal (MAR) (2002)											
National FINAL	- 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) Omega Timing (2022) - diamond league race analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Jun-22	time	7.08	12.98	19.22	26.13	26.13	8 / 2			
reaction time	0.183	interval		5.90	6.24	6.91		# of strides	12.98	13.15	-0.17
wind	1.1 m/s	velocity	7.06	8.47	8.01	7.24	7.65		7.70	7.60	
Rammak, Saida (MAR) (1994)											
National FINAL	- 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) Omega Timing (2022) - diamond league race analysis		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Jun-22	time	7.03	12.98	19.31	26.14	26.14	5 / 3			
reaction time	0.172	interval		5.95	6.33	6.83	PB	# of strides	12.98	13.16	-0.18

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

wind	1.1 m/s	velocity	7.11	8.40	7.90	7.32	7.65		7.70	7.60	
Wang Xue (CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U20 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN) <i>Shandong Athletics Sport Science (2022)</i>											
date	03-Sep-22	time		13.33	19.46	26.16	26.16	1 / 8			
reaction time	0.214	interval			6.13	6.70		# of strides	13.33	12.83	0.50
wind	0.6 m/s	velocity		7.50	8.16	7.46	7.65	101.0	7.50	7.79	
Shi Ruixin (CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN) <i>Shandong Athletics Sport Science (2022)</i>											
date	03-Sep-22	time		12.96	19.27	26.20	26.20	7 / 5			
reaction time	0.186	interval			6.31	6.93		# of strides	12.96	13.24	-0.28
wind	-0.1 m/s	velocity		7.72	7.92	7.22	7.63	104.0	7.72	7.55	
Nagaoka, Mei (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis</i>											
date	28-May-23	time		13.03	19.34	26.20	26.20	5 / 4			
reaction time		interval			6.31	6.86		# of strides	13.03	13.17	-0.14
wind	-0.1 m/s	velocity		7.67	7.92	7.29	7.63		7.67	7.59	
Yoneda, Ryoha (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>											
date	28-May-17	time		13.12		26.21	26.21	4 / 5			
reaction time		interval				13.09		# of strides	13.12	13.09	0.03
wind	-1.3 m/s	velocity		7.62		7.64	7.63		7.62	7.64	
Lu Qirui (CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN) <i>Shandong Athletics Sport Science (2022)</i>											
date	03-Sep-22	time		13.08	19.33	26.23	26.23	3 / 6			
reaction time	0.220	interval			6.25	6.90		# of strides	13.08	13.15	-0.07
wind	-0.1 m/s	velocity		7.65	8.00	7.25	7.62	105.5	7.65	7.60	
Edfors, Cecilia (SWE) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
C FINAL - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>											
date	24-Jul-07	time		13.20	19.42	26.24	26.24	5 / 1			
reaction time		interval			6.22	6.82		# of strides	13.20	13.04	0.16
wind	0.2 m/s	velocity		7.58	8.04	7.33	7.62		7.58	7.67	
Fujiwara, Tamaki (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2020 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>											
date	12-Jul-20	time		13.13	19.45	26.24	26.24	8 / 4			
reaction time		interval			6.32	6.79		# of strides	13.13	13.11	0.02
wind	2.5 m/s	velocity		7.62	7.91	7.36	7.62		7.62	7.63	
Dahmani, Ghita (MAR) (2005)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	7.18	13.19	19.52	26.24	26.24	2 / 4			
reaction time	0.197	interval		6.01	6.33	6.72		# of strides	13.19	13.05	0.14
wind	1.1 m/s	velocity	6.96	8.32	7.90	7.44	7.62		7.58	7.66	
Ullgren, Moa (SWE) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
E FINAL - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		13.17		26.30	26.30	2 / 4			
reaction time		interval				13.13		# of strides	13.17	13.13	0.04
wind	1.3 m/s	velocity		7.59		7.62	7.60		7.59	7.62	
Tamaki, Mayu (JPN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis</i>											
date	28-May-23	time		13.05	19.43	26.30	26.30	7 / 5			
reaction time		interval			6.38	6.87		# of strides	13.05	13.25	-0.20
wind	-0.1 m/s	velocity		7.66	7.84	7.28	7.60		7.66	7.55	
Odama, Karin (JPN) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2024 Japanese National Multi-Event Championships (Tokyo, JPN) <i>Mas (2024) - performance analysis of heptathlon athletes in the 2024 season</i>											
date	22-Jun-24	time	6.97	12.82	19.25	26.30	26.30	7 / 3			
reaction time		interval		5.85	6.43	7.05		# of strides	12.82	13.48	-0.66

wind	-1.9 m/s	velocity	7.17	8.55	7.78	7.09	7.60		7.80	7.42	
Tsugumi, Kaneko (JPN)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>											
date	30-May-21	time	13.07	19.52	26.31	26.31	4 / 3				
reaction time		interval		6.45	6.79		# of strides	13.07	13.24	-0.17	
wind	2.9 m/s	velocity	7.65	7.75	7.36	7.60		7.65	7.55		
El Houma, Hiba (MAR) (2005)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2023) - diamond league race analysis</i>											
date	28-May-23	time	7.11	13.12	19.42	26.31	26.31	8 / 7			
reaction time	0.162	interval		6.01	6.30	6.89	# of strides	13.12	13.19	-0.07	
wind	1.4 m/s	velocity	7.03	8.32	7.94	7.26	7.60	7.62	7.58		
Evensen, Marianne (NOR) (1996)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
D FINAL - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		13.34		26.33	26.33	3 / 4			
reaction time		interval				12.99	# of strides	13.34	12.99	0.35	
wind	2.0 m/s	velocity		7.50		7.70	7.60	7.50	7.70		
El Ouarat, Salma (MAR) (2002)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	7.59	13.49	19.74	26.33	26.33	4 / 5			
reaction time	0.309	interval		5.90	6.25	6.59	# of strides	13.49	12.84	0.65	
wind	1.1 m/s	velocity	6.59	8.47	8.00	7.59	7.60	7.41	7.79		
Barakat, Hanna (PLE) (1999)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 6 - 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		13.56		26.33	26.33	1 / 7			
reaction time	0.184	interval				12.77	# of strides	13.56	12.77	0.79	
wind	1.9 m/s	velocity		7.37		7.83	7.60	7.37	7.83		
Xiao Ruixin (CHN)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN) <i>Shandong Athletics Sport Science (2022)</i>											
date	03-Sep-22	time		12.88	19.17	26.33	26.33	8 / 7			
reaction time	0.169	interval			6.29	7.16	# of strides	12.88	13.45	-0.57	
wind	-0.1 m/s	velocity		7.76	7.95	6.98	7.60	106.2	7.76	7.43	
Wada, Maki (JPN) (1986)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2011 Japanese National Championships (Kumagaya, JPN) <i>Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters</i>											
date	12-Jun-11	time	6.92	12.92	19.39	26.34	26.34	1 / 8			
reaction time		interval		6.00	6.47	6.95	# of strides	12.92	13.42	-0.50	
wind	-0.7 m/s	velocity	7.23	8.33	7.73	7.19	7.59	7.74	7.45		
Sakakibara, Sora (JPN)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>											
date	30-May-21	time	13.29	19.66	26.34	26.34	2 / 4				
reaction time		interval		6.37	6.68		# of strides	13.29	13.05	0.24	
wind	2.9 m/s	velocity	7.52	7.85	7.49	7.59		7.52	7.66		
Novotná, Lenka (CZE) (1997)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE) <i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>											
date	16-Jun-13	time	7.28	13.18	19.46	26.36	26.36	8 / 6			
reaction time	0.277	interval		5.90	6.28	6.90	# of strides	13.18	13.18	0.00	
wind	-1.1 m/s	velocity	6.87	8.47	7.96	7.25	7.59	7.59	7.59		
Sakakibara, Sora (JPN)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
FINAL - 2022 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis</i>											
date	28-May-22	time	13.30	19.58	26.38	26.38	7 / 2				
reaction time		interval		6.28	6.80		# of strides	13.30	13.08	0.22	
wind	1.7 m/s	velocity	7.52	7.96	7.35	7.58		7.52	7.65		
Nilsson, Evelina (SWE) (1994)											
	50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
C FINAL - 2012 Windsprint (Sundsvall, SWE) <i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>											
date	17-Jun-12	time	13.16		26.39	26.39	1 / 5				
reaction time		interval			13.23		# of strides	13.16	13.23	-0.07	

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

wind	0.1 m/s	velocity	7.60	3.79	7.58	7.60	7.56			
Amano, Iori (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2018 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>										
date	27-May-18	time	13.35	26.40	26.39	8 / 4				
reaction time		interval		13.05		# of strides	13.35	13.05	0.30	
wind	0.8 m/s	velocity	7.49	7.66	7.58		7.49	7.66		
Hino, Ayaka (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2018 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>										
date	27-May-18	time	13.31	26.38	26.40	6 / 5				
reaction time		interval		13.07		# of strides	13.31	13.07	0.24	
wind	0.8 m/s	velocity	7.51	7.65	7.58		7.51	7.65		
Yamao, Miku (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
A FINAL - 2020 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>										
date	12-Jul-20	time	13.11	19.52	26.45	7 / 5				
reaction time		interval		6.41	6.93	# of strides	13.11	13.34	-0.23	
wind	2.5 m/s	velocity	7.63	7.80	7.22		7.63	7.50		
Matsumura, Ai (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>										
date	30-May-21	time	13.31	19.68	26.45	7 / 5				
reaction time		interval		6.37	6.77	# of strides	13.31	13.14	0.17	
wind	2.9 m/s	velocity	7.51	7.85	7.39		7.51	7.61		
Shibuya, Rika (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2018 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>										
date	27-May-18	time	13.54	26.50	26.50	1 / 6				
reaction time		interval		12.96		# of strides	13.54	12.96	0.58	
wind	0.8 m/s	velocity	7.39	7.72	7.55		7.39	7.72		
Matsumura, Ai (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
A FINAL - 2020 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>										
date	12-Jul-20	time	13.23	19.64	26.55	9 / 6				
reaction time		interval		6.41	6.91	# of strides	13.23	13.32	-0.09	
wind	2.5 m/s	velocity	7.56	7.80	7.24		7.56	7.51		
Yazawa, Sora (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis</i>										
date	28-May-23	time	13.21	19.61	26.55	8 / 6				
reaction time		interval		6.40	6.94	# of strides	13.21	13.34	-0.13	
wind	-0.1 m/s	velocity	7.57	7.81	7.20		7.57	7.50		
Hamrén, Malin (SWE) (1986)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
C FINAL - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	24-Jul-07	time	13.20	19.60	26.56	4 / 2				
reaction time		interval		6.40	6.96	# of strides	13.20	13.36	-0.16	
wind	0.2 m/s	velocity	7.58	7.81	7.18		7.58	7.49		
Kakuhashi, Kanan (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>										
date	30-May-21	time	13.23	19.69	26.57	1 / 6				
reaction time		interval		6.46	6.88	# of strides	13.23	13.34	-0.11	
wind	2.9 m/s	velocity	7.56	7.74	7.27		7.56	7.50		
Yamao, Miku (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>										
date	30-May-21	time	13.21	19.69	26.57	5 / 7				
reaction time		interval		6.48	6.88	# of strides	13.21	13.36	-0.15	
wind	2.9 m/s	velocity	7.57	7.72	7.27		7.57	7.49		
Matsumura, Ai (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis</i>										
date	26-May-19	time	13.47	19.80	26.64	8 / 5				
reaction time		interval		6.33	6.84	# of strides	13.47	13.17	0.30	

wind	3.2 m/s	velocity	7.42	7.90	7.31	7.51		7.42	7.59	
Tateishi, Yuka (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2018 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>										
date	27-May-18	time	13.41	26.65	26.65	2 / 7				
reaction time		interval		13.24		# of strides	13.41	13.24	0.17	
wind	0.8 m/s	velocity	7.46	7.55	7.50		7.46	7.55		
Nagase, Nozomi (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2018 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>										
date	27-May-18	time	13.57	26.67	26.67	7 / 8				
reaction time		interval		13.10		# of strides	13.57	13.10	0.47	
wind	0.8 m/s	velocity	7.37	7.63	7.50		7.37	7.63		
Sakakibara, Sora (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
C FINAL - 2020 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>										
date	12-Jul-20	time	13.58	19.96	26.73	9 / 2				
reaction time		interval		6.38	6.77	# of strides	13.58	13.15	0.43	
wind	1.4 m/s	velocity	7.36	7.84	7.39		7.36	7.60		
Xu Shanshan (CHN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
U18 FINAL - 2022 Shandong Provincial Games (Rizhao, CHN) <i>Shandong Athletics Sport Science (2022)</i>										
date	03-Sep-22	time	13.36	19.75	26.76	1 / 8				
reaction time	0.213	interval		6.39	7.01	# of strides	13.36	13.40	-0.04	
wind	-0.1 m/s	velocity	7.49	7.82	7.13	111.7	7.49	7.46		
El Houma, Hiba (MAR) (2005)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>										
date	05-Jun-22	time	7.14	13.31	19.73	26.78	6 / 6			
reaction time	0.167	interval		6.17	6.42	7.05	# of strides	13.31	13.47	-0.16
wind	1.1 m/s	velocity	7.00	8.10	7.79	7.09	7.47	7.51	7.42	
Hino, Ayaka (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis</i>										
date	26-May-19	time	13.59	19.98	26.81	26.81	2 / 6			
reaction time		interval		6.39	6.83	# of strides	13.59	13.22	0.37	
wind	3.2 m/s	velocity	7.36	7.82	7.32	7.46		7.36	7.56	
Masumura, Koyuki (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis</i>										
date	28-May-22	time	13.48	19.81	26.84	26.84	4 / 3			
reaction time		interval		6.33	7.03	# of strides	13.48	13.36	0.12	
wind	1.7 m/s	velocity	7.42	7.90	7.11	7.45		7.42	7.49	
Masumura, Koyuki (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>										
date	30-May-21	time	13.71	20.07	26.91	26.91	8 / 8			
reaction time		interval		6.36	6.84	# of strides	13.71	13.20	0.51	
wind	2.9 m/s	velocity	7.29	7.86	7.31	7.43		7.29	7.58	
Tanimura, Kazuha (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2025) - shimane high school championships 2025 - biomechanics data analysis</i>										
date	01-Jun-25	time	13.37	19.82	26.94	26.94	5 / 4			
reaction time		interval		6.45	7.12	# of strides	13.37	13.57	-0.20	
wind	2.5 m/s	velocity	7.48	7.75	7.02	7.42		7.48	7.37	
Oshita, Airi (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2017 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>										
date	28-May-17	time	13.33		26.99	26.99	8 / 6			
reaction time		interval			13.66	# of strides	13.33	13.66	-0.33	
wind	-1.3 m/s	velocity	7.50		7.32	7.41		7.50	7.32	
Moriyoshi, Hinata (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis</i>										
date	28-May-22	time	13.56	20.05	27.01	27.01	9 / 4			
reaction time		interval		6.49	6.96	# of strides	13.56	13.45	0.11	

wind	1.7 m/s	velocity	7.37	7.70	7.18	7.40		7.37	7.43	
Mitsui, Sakisai (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2025) - shimane high school championships 2025 - biomechanics data analysis</i>										
date	01-Jun-25	time	13.46	19.88	27.03	27.03	2 / 5			
reaction time		interval		6.42	7.15		# of strides	13.46	13.57	-0.11
wind	2.5 m/s	velocity	7.43	7.79	6.99	7.40		7.43	7.37	
Toshiyama, Naru (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis</i>										
date	28-May-23	time	13.31	19.91	27.10	27.10	1 / 7			
reaction time		interval		6.60	7.19		# of strides	13.31	13.79	-0.48
wind	-0.1 m/s	velocity	7.51	7.58	6.95	7.38		7.51	7.25	
Fujiwara, Tamaki (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis</i>										
date	26-May-19	time	13.67	20.15	27.11	27.11	3 / 7			
reaction time		interval		6.48	6.96		# of strides	13.67	13.44	0.23
wind	3.2 m/s	velocity	7.32	7.72	7.18	7.38		7.32	7.44	
Eliasson, Emilia (SWE) (1989)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
C FINAL - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	24-Jul-07	time	13.53	20.06	27.18	27.18	3 / 3			
reaction time		interval		6.53	7.12		# of strides	13.53	13.65	-0.12
wind	0.2 m/s	velocity	7.39	7.66	7.02	7.36		7.39	7.33	
Yazawa, Sora (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2024 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis</i>										
date	26-May-24	time	13.46	20.02	27.19	27.19	4 / 6			
reaction time		interval		6.56	7.17		# of strides	13.46	13.73	-0.27
wind	1.0 m/s	velocity	7.43	7.62	6.97	7.36		7.43	7.28	
Wallström, Frida (SWE) (1995)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
F FINAL - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>										
date	20-Jul-14	time	13.50		27.22	27.22	3 / 1			
reaction time		interval			13.72	PB	# of strides	13.50	13.72	-0.22
wind	0.1 m/s	velocity	7.41		7.29	7.35		7.41	7.29	
Yamao, Miku (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis</i>										
date	26-May-19	time	13.72	20.27	27.24	27.24	9 / 8			
reaction time		interval		6.55	6.97		# of strides	13.72	13.52	0.20
wind	3.2 m/s	velocity	7.29	7.63	7.17	7.34		7.29	7.40	
Hobaiba, Safae (MAR) (2004)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>										
date	05-Jun-22	time	7.38	13.62	20.17	27.33	27.33	7 / 7		
reaction time	0.196	interval		6.24	6.55	7.16	# of strides	13.62	13.71	-0.09
wind	1.1 m/s	velocity	6.78	8.01	7.63	6.98	7.32	7.34	7.29	
Fukuhara, Yuina (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2025 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2025) - shimane high school championships 2025 - biomechanics data analysis</i>										
date	01-Jun-25	time	13.59	20.17	27.35	27.35	4 / 6			
reaction time		interval		6.58	7.18		# of strides	13.59	13.76	-0.17
wind	2.5 m/s	velocity	7.36	7.60	6.96	7.31		7.36	7.27	
Mishima, Misaki (JPN)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis</i>										
date	28-May-23	time	13.60	20.21	27.45	27.45	2 / 8			
reaction time		interval		6.61	7.24		# of strides	13.60	13.85	-0.25
wind	-0.1 m/s	velocity	7.35	7.56	6.91	7.29		7.35	7.22	
Hata, Kokomi (JPN) (2006)										
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Shimane High School Championships (Izumo, JPN) <i>Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis</i>										
date	28-May-22	time	13.59	20.24	27.50	27.50	2 / 6			
reaction time		interval		6.65	7.26		# of strides	13.59	13.91	-0.32

wind	1.7 m/s	velocity	7.36	7.52	6.89	7.27		7.36	7.19		
Sasagawa, Juri (JPN)											
FINAL	- 2022 Shimane High School Championships (Izumo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-22	time		13.79	20.38	27.52	27.52	8 / 7			
reaction time		interval			6.59	7.14		# of strides	13.79	13.73	0.06
wind	1.7 m/s	velocity		7.25	7.59	7.00	7.27		7.25	7.28	
Naoko, Wada (JPN)											
FINAL	- 2024 Shimane High School Championships (Izumo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-May-24	time		13.30	20.10	27.58	27.58	2 / 7			
reaction time		interval			6.80	7.48		# of strides	13.30	14.28	-0.98
wind	1.0 m/s	velocity		7.52	7.35	6.68	7.25		7.52	7.00	
Okuni, Chinatsu (JPN)											
FINAL	- 2022 Shimane High School Championships (Izumo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-22	time		14.05	20.72	27.83	27.83	3 / 8			
reaction time		interval			6.67	7.11		# of strides	14.05	13.78	0.27
wind	1.7 m/s	velocity		7.12	7.50	7.03	7.19		7.12	7.26	
Sögenesand, Emelie (NOR) (1994)											
F FINAL	- 2014 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Jul-14	time		13.73		27.94	27.94	4 / 2			
reaction time		interval				14.21		# of strides	13.73	14.21	-0.48
wind	0.1 m/s	velocity		7.28		7.04	7.16		7.28	7.04	
Kanda, Hitomi (JPN)											
FINAL	- 2025 Shimane High School Championships (Izumo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	01-Jun-25	time		14.04	20.37	27.97	27.97	3 / 7			
reaction time		interval			6.33	7.60		# of strides	14.04	13.93	0.11
wind	2.5 m/s	velocity		7.12	7.90	6.58	7.15		7.12	7.18	
Jirhed, Josefine (SWE) (1995)											
F FINAL	- 2014 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-Jul-14	time		13.95		28.00	28.00	2 / 3			
reaction time		interval				14.05	PB	# of strides	13.95	14.05	-0.10
wind	0.1 m/s	velocity		7.17		7.12	7.14		7.17	7.12	
Fukuda, Atsushi (JPN)											
FINAL	- 2024 Shimane High School Championships (Izumo, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	26-May-24	time		14.07	20.73	28.00	28.00	3 / 8			
reaction time		interval			6.66	7.27		# of strides	14.07	13.93	0.14
wind	1.0 m/s	velocity		7.11	7.51	6.88	7.14		7.11	7.18	
Strachan, Anthonique (BAH) (1993)											
Heat 6	- 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	18-Jul-22	time		11.34			1:50.06	8 / 8			
reaction time	0.114	interval				98.72		# of strides	11.34	98.72	-87.38
wind	1.9 m/s	velocity		8.82		1.01			8.82	1.01	
Stevens, Deajah (USA) (1995)											
FINAL	- 2017 NCAA Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Jun-17	time		11.4			dnf	4 / --			
reaction time		interval					DQ	# of strides	11.40		
wind	1.1 m/s	velocity		8.77					8.77		
Makrazi, Imane (MAR) (2002)											
National FINAL	- 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	28-May-23	time		7.80			dnf	3 / --			
reaction time	0.206	interval						# of strides			
wind	1.4 m/s	velocity		6.41							

Women's 150m Split Times - by time

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

Felix, Allyson (USA) (1985)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2013 Great CityGames (Manchester, GBR) (150m straightaway)										<i>Jalava (2013) - www.tilastopaja.org</i>
date	25-May-13	time	6.16	11.05	16.36	16.36	2 / 1			50-150m
reaction time		interval		4.89	5.31	WB	# of strides	11.05		10.20
wind	0.2 m/s	velocity	8.12	10.22	9.42	9.17		9.05		9.80
Ferguson-McKenzie, Debbie (BAH) (1984)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)										<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>
date	17-May-09	time	6.16	11.14	16.54	16.54	/ 1			50-150m
reaction time		interval		4.98	5.40	PB	# of strides	11.14		10.38
wind	0.1 m/s	velocity	8.12	10.04	9.26	9.07		8.98		9.63
Onuora, Anyika (GBR) (1984)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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		11.20	16.63	16.63	1 / 2			
reaction time		interval			5.43	PB	# of strides	11.20		
wind	0.2 m/s	velocity		8.93	9.21	9.02		8.93		
Williams, Lauryn (USA) (1983)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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		11.20	16.64	16.64	3 / 3			
reaction time		interval			5.44	PB	# of strides	11.20		
wind	0.2 m/s	velocity		8.93	9.19	9.01		8.93		
Onuora, Anyika (GBR) (1984)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)										<i>Jalava (2012) - www.tilastopaja.org</i>
date	15-Sep-12	time	6.36	11.34	16.70	16.70	3 / 1			50-150m
reaction time		interval		4.98	5.36	PB	# of strides	11.34		10.34
wind	1.0 m/s	velocity	7.86	10.04	9.33	8.98		8.82		9.67
Williams, Jodie (GBR) (1993)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 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		11.32	16.81	16.81	4 / 4			
reaction time		interval			5.49	PB	# of strides	11.32		
wind	0.2 m/s	velocity		8.83	9.11	8.92		8.83		
Ferguson-McKenzie, Debbie (BAH) (1984)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)										<i>Jalava (2009) - www.tilastopaja.org</i>
date	17-May-09	time		11.43	16.90	16.90	2 / 1			
reaction time		interval			5.47		# of strides	11.43		
wind	-0.8 m/s	velocity		8.75	9.14	8.88		8.75		
Ennis, Jessica (GBR) (1986)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)										<i>Jalava (2010) - www.tilastopaja.org</i>
date	16-May-10	time		11.39	16.99	16.99	2 / 1			
reaction time		interval			5.60		# of strides	11.39		
wind	- 0.4 m/s	velocity		8.78	8.93	8.83		8.78		
Mahan, Shayla (USA) (1989)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)										<i>Jalava (2012) - www.tilastopaja.org</i>
date	15-Sep-12	time	6.27	11.39	16.99	16.99	4 / 2			50-150m
reaction time		interval		5.12	5.60	PB	# of strides	11.39		10.72
wind	1.0 m/s	velocity	7.97	9.77	8.93	8.83		8.78		9.33
Barber, Mikele (USA) (1980)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)										<i>Jalava (2012) - www.tilastopaja.org</i>
date	15-Sep-12	time	6.42	11.44	17.02	17.02	2 / 3			50-150m
reaction time		interval		5.02	5.58	PB	# of strides	11.44		10.60
wind	1.0 m/s	velocity	7.79	9.96	8.96	8.81		8.74		9.43
Thompson, Shaunna (GBR) (1992)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)										<i>Jalava (2010) - www.tilastopaja.org</i>
date	16-May-10	time		11.47	17.05	17.05	4 / 2			
reaction time		interval			5.58		# of strides	11.47		
wind	- 0.4 m/s	velocity		8.72	8.96	8.80		8.72		

Moore, LaShaunte'a (USA) (1983)									
FINAL	- 2012 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-May-12 time		11.44	17.05	17.05	3 / 1			<i>Jalava (2012) - www.tilastopaja.org</i>
reaction time	interval			5.61	PB	# of strides	11.44		
wind	-0.4 m/s velocity		8.74	8.91	8.80		8.74		
Sprunger, Léa (SUI) (1990)									
FINAL	- 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-May-16 time	6.44	11.55	17.06	17.06	/ 1			<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>
reaction time	interval		5.11	5.51	PB	# of strides	11.55		50-150m
wind	1.0 m/s velocity	7.76	9.78	9.07	8.79		8.66		10.62
									9.42
Ohuruogu, Christine (GBR) (1984)									
FINAL	- 2010 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	16-May-10 time		11.44	17.07	17.07	3 / 3			<i>Jalava (2010) - www.tilastopaja.org</i>
reaction time	interval			5.63		# of strides	11.44		
wind	- 0.4 m/s velocity		8.74	8.88	8.79		8.74		
Ohuruogu, Christine (GBR) (1984)									
FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-May-09 time	6.41	11.56	17.10	17.10	/ 2			<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>
reaction time	interval		5.15	5.54		# of strides	11.56		50-150m
wind	0.1 m/s velocity	7.80	9.71	9.03	8.77		8.65		10.69
									9.35
Adeoye, Margaret (GBR) (1985)									
FINAL	- 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	15-Sep-12 time	6.38	11.54	17.11	17.11	1 / 4			<i>Jalava (2012) - www.tilastopaja.org</i>
reaction time	interval		5.16	5.57	PB	# of strides	11.54		50-150m
wind	1.0 m/s velocity	7.84	9.69	8.98	8.77		8.67		10.73
									9.32
Sprunger, Ellen (SUI) (1986)									
FINAL	- 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-May-16 time	6.46	11.60	17.18	17.18	/ 2			<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>
reaction time	interval		5.14	5.58	PB	# of strides	11.60		50-150m
wind	1.0 m/s velocity	7.74	9.73	8.96	8.73		8.62		10.72
									9.33
Thompson, Shaunna (GBR) (1992)									
FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-May-09 time	6.40	11.60	17.20	17.20	/ 3			<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>
reaction time	interval		5.20	5.60	PB	# of strides	11.60		50-150m
wind	0.1 m/s velocity	7.81	9.62	8.93	8.72		8.62		10.80
									9.26
McConnell, Lee (GBR) (1978)									
FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-May-09 time	6.53	11.67	17.28	17.28	/ 4			<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>
reaction time	interval		5.14	5.61	PB	# of strides	11.67		50-150m
wind	0.1 m/s velocity	7.66	9.73	8.91	8.68		8.57		10.75
									9.30
Kora, Salomé (SUI) (1994)									
FINAL	- 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	07-May-16 time	6.56	11.75	17.29	17.29	/ 3			<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>
reaction time	interval		5.19	5.54	PB	# of strides	11.75		50-150m
wind	1.0 m/s velocity	7.62	9.63	9.03	8.68		8.51		10.73
									9.32
Oyepitan, Abi (GBR) (1979)									
FINAL	- 2011 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	15-May-11 time	6.50	11.72	17.34	17.34	1 / 1			<i>Butler (2011) - Gay's last 100 in Manchester street 150</i>
reaction time	interval		5.22	5.62		# of strides	11.72		50-150m
wind	1.6 m/s velocity	7.69	9.58	8.90	8.65		8.53		10.84
									9.23
Thompson, Shaunna (GBR) (1992)									
Heat 2	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-May-09 time		11.73	17.37	17.37	/ 1			<i>Jalava (2009) - www.tilastopaja.org</i>
reaction time	interval			5.64		# of strides	11.73		
wind	-0.9 m/s velocity		8.53	8.87	8.64		8.53		

Ohuruogu, Christine (GBR) (1984)									
Heat 2	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)								
date	17-May-09	time	11.76	17.40	17.40	/ 2			
reaction time		interval		5.64		# of strides	11.76		
wind	-0.9 m/s	velocity	8.50	8.87	8.62		8.50		
Ennis, Jessica (GBR) (1986)									
FINAL	- 2011 Great CityGames (Manchester, GBR) (150m straightaway)								
date	15-May-11	time	6.43	11.72	17.40	17.40	3 / 2		50-150m
reaction time		interval		5.29	5.68	# of strides	11.72		10.97
wind	1.6 m/s	velocity	7.78	9.45	8.80	8.62	8.53		9.12
Turner, Laura (GBR) (1982)									
FINAL	- 2011 Great CityGames (Manchester, GBR) (150m straightaway)								
date	15-May-11	time	6.36	11.66	17.43	17.43	2 / 3		50-150m
reaction time		interval		5.30	5.77	PB	# of strides	11.66	11.07
wind	1.6 m/s	velocity	7.86	9.43	8.67	8.61	8.58		9.03
McConnell, Lee (GBR) (1978)									
Heat 1	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)								
date	17-May-09	time		11.90	17.46	17.46	4 / 2		
reaction time		interval			5.56	# of strides	11.90		
wind	-0.8 m/s	velocity		8.40	8.99	8.59	8.40		
Atcho, Sarah (SUI) (1995)									
FINAL	- 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)								
date	07-May-16	time	6.58	11.82	17.48	17.48	/ 4		50-150m
reaction time		interval		5.24	5.66	PB	# of strides	11.82	10.90
wind	1.0 m/s	velocity	7.60	9.54	8.83	8.58	8.46		9.17
Nelson, Ashleigh (GBR) (1991)									
FINAL	- 2011 Great CityGames (Manchester, GBR) (150m straightaway)								
date	15-May-11	time	6.41	11.78	17.64	17.64	4 / 4		50-150m
reaction time		interval		5.37	5.86	PB	# of strides	11.78	11.23
wind	1.6 m/s	velocity	7.80	9.31	8.53	8.50	8.49		8.90
Onuora, Anyika (GBR) (1984)									
B FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)								
date	17-May-09	time		11.75	17.68	17.68	1 / 1		
reaction time		interval			5.93	# of strides	11.75		
wind	0.3 m/s	velocity		8.51	8.43	8.48	8.51		
Del Ponte, Ajla (SUI) (1996)									
FINAL	- 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)								
date	07-May-16	time	6.62	11.96	17.72	17.72	/ 5		50-150m
reaction time		interval		5.34	5.76	PB	# of strides	11.96	11.10
wind	1.0 m/s	velocity	7.55	9.36	8.68	8.47	8.36		9.01
Douglas, Montell (GBR) (1986)									
FINAL	- 2012 Great CityGames (Manchester, GBR) (150m straightaway)								
date	20-May-12	time		11.76	17.73	17.73	2 / 2		
reaction time		interval			5.97	# of strides	11.76		
wind	-0.4 m/s	velocity		8.50	8.38	8.46	8.50		
Fraser, Donna (GBR) (1972)									
B FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)								
date	17-May-09	time		11.89	17.74	17.74	2 / 2		
reaction time		interval			5.85	PB	# of strides	11.89	
wind	0.3 m/s	velocity		8.41	8.55	8.46	8.41		
Douglas, Montell (GBR) (1986)									
B FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)								
date	17-May-09	time		11.85	17.78	17.78	3 / 3		
reaction time		interval			5.93	# of strides	11.85		
wind	0.3 m/s	velocity		8.44	8.43	8.44	8.44		

Tavares, Sónia (POR) (1986)									
FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)									
date	20-May-12	time	11.84	17.82	17.82	4 / 3	Jalava (2012) - www.tilastopaja.org		
reaction time	interval			5.98	PB	# of strides	11.84		
wind	-0.4 m/s	velocity	8.45	8.36	8.42		8.45		
Douglas, Montell (GBR) (1986)									
Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									
date	17-May-09	time	11.87	17.83	17.83	3 / 3	Jalava (2009) - www.tilastopaja.org		
reaction time	interval			5.96		# of strides	11.87		
wind	-0.8 m/s	velocity	8.42	8.39	8.41		8.42		
Fraser, Donna (GBR) (1972)									
Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									
date	17-May-09	time	12.03	17.87	17.87	1 / 4	Jalava (2009) - www.tilastopaja.org		
reaction time	interval			5.84		# of strides	12.03		
wind	-0.8 m/s	velocity	8.31	8.56	8.39		8.31		
Shimada, Kohane (JPN) (2006)									
FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)									
date	23-Oct-21	time	6.68	12.12	17.96	5 / 1	Jalava (2021) - www.tilastopaja.org - race analysis of domestic 200m & U16 150m in olympic season		
reaction time	interval			5.44		# of strides	12.12	50-150m 11.28	
wind	1.1 m/s	velocity	7.49	9.19	11.14	79.0	8.25	8.87	
Onuora, Anyika (GBR) (1984)									
Heat 2 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									
date	17-May-09	time	11.98	17.98	17.98	/ 3	Jalava (2009) - www.tilastopaja.org		
reaction time	interval			6.00		# of strides	11.98		
wind	-0.9 m/s	velocity	8.35	8.33	8.34		8.35		
Claxton, Sarah (GBR) (1979)									
B FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									
date	17-May-09	time	12.03	18.13	18.13	4 / 4	Jalava (2009) - www.tilastopaja.org		
reaction time	interval			6.10	PB	# of strides	12.03		
wind	0.3 m/s	velocity	8.31	8.20	8.27		8.31		
O'Rourke, Derval (IRL) (1981)									
FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)									
date	20-May-12	time	12.06	18.25	18.25	1 / 4	Jalava (2012) - www.tilastopaja.org		
reaction time	interval			6.19	PB	# of strides	12.06		
wind	-0.4 m/s	velocity	8.29	8.08	8.22		8.29		
Fukuoka, Shion (JPN) (2007)									
FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)									
date	23-Oct-21	time	6.79	12.29	18.25	2 / 2	Jalava (2021) - www.tilastopaja.org - race analysis of domestic 200m & U16 150m in olympic season		
reaction time	interval			5.50		# of strides	12.29	50-150m 11.46	
wind	1.1 m/s	velocity	7.36	9.09	10.96	76.0	8.14	8.73	
Golay, Joëlle (SUI) (1987)									
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)									
date	07-May-16	time	6.86	12.45	18.35	/ 6	Swiss Athletics (2016) - www.tilastopaja.org - sprint and hurdle analysis		
reaction time	interval			5.59		# of strides	12.45	50-150m 11.49	
wind	1.0 m/s	velocity	7.29	8.94	8.17		8.03	8.70	
Akaska, Miyuu (JPN) (2006)									
FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)									
date	23-Oct-21	time	6.82	12.42	18.39	6 / 3	Jalava (2021) - www.tilastopaja.org - race analysis of domestic 200m & U16 150m in olympic season		
reaction time	interval			5.60		# of strides	12.42	50-150m 11.57	
wind	1.1 m/s	velocity	7.33	8.93	10.88	75.5	8.05	8.64	
Claxton, Sarah (GBR) (1979)									
Heat 2 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									
date	17-May-09	time	12.36	18.51	18.51	/ 4	Jalava (2009) - www.tilastopaja.org		
reaction time	interval			6.15		# of strides	12.36		
wind	-0.9 m/s	velocity	8.09	8.13	8.10		8.09		

Koike, Hina (JPN)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN)	23-Oct-21	6.87	12.52	18.53	18.53	3 / 4				
date	time									
reaction time	interval		5.65	6.01		# of strides	12.52			50-150m
wind	1.1 m/s	velocity	7.28	8.85	8.32	10.79	78.0	7.99		11.66
										8.58

Seta, Haruna (JPN) (2006)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN)	23-Oct-21	7.01	12.75	18.73	18.73	7 / 5				
date	time									
reaction time	interval		5.74	5.98		# of strides	12.75			50-150m
wind	1.1 m/s	velocity	7.13	8.71	8.36	10.68	75.5	7.84		11.72
										8.53

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