

Women's 200m Split Times - by time

LAST UPDATE: 16-Oct-23

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
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
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
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
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
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
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
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
Jones, Marion (USA) (1975)										
FINAL	- 1998 World Cup (Johannesburg, RSA) (Altitude)									
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
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
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

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)											
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		11.16		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	
Felix, Allyson (USA) (1985)											
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		11.1		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		9.01	9.44	
Koch, Marita (GDR) (1957)											
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		11.06		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)											
FINAL - 1986 European Championships (Stuttgart, FRG)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<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		9.09	9.34	
Jackson, Grace (JAM) (1961)											
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	6.32	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)											
Semi-Final 2 - 1992 Olympic Games (Barcelona, ESP)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<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)											
FINAL - 1984 East German National Championships (Erfurt, 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	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)											
FINAL - 1987 IAAF World Championships (Rome, ITA)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<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) (19											
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		11.00		21.74	21.74	4 / 1			
reaction time	0.172	interval				10.74	PB	# of strides	11.00	10.74	0.26
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)			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	16.4	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	
Torrence, Gwen (USA) (1965)											
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		11.14	16.17	21.77	21.77	6 / 4			
reaction time		interval			5.03	5.60	DQ	# of strides	11.14	10.63	0.51

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	8.98	9.94	8.93	9.19	96.0	8.98	9.41		
Miller, Inger (USA) (1972)			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	6.16	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	
Thompson, Elaine (JAM) (1992)			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		11.0		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	
Jackson, Shericka (JAM) (1994)			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	6.12	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)			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		11.20		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)			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		11.27		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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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
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	
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

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	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)			Omega Timing (2023) - diamond league race analysis								
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	
Jones, Marion (USA) (1975)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 Olympic Games (Sydney, AUS)			Veney - 200m women from PJ								
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		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)			Omega Timing (2021) - diamond league race analysis								
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
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)			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	6.23	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	
Koch, Marita (GDR) (1957)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1979 East German Club Cup (Karl-Marx-Stadt, GDR)			Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84								
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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1984 Olympischen Tag (Potsdam, GDR)			Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84								
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)			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	6.22	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	
Felix, Allyson (USA) (1985)			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		11.05		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)			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		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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2017 Weltklasse (Zürich, SUI)			(2017.08.25) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en								
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)			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	6.07	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	
Koch, Marita (GDR) (1957)			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		11.23	16.41	21.90	21.90	2 / 1			
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		8.90	9.37	
Jones, Marion (USA) (1975)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1999 Ericsson (Helsinki, FIN) (TV Analysis)											Graubner (2008) - http://www.fgs.uni-halle.de
date	10-Jun-99	time		11.12		21.91	21.91	/ 1			
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		8.99	9.27	
Jackson, Shericka (JAM) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)											Omega Timing (2022) - diamond league race analysis
date	09-Jun-22	time	6.19	11.18	16.35	21.91	21.91	4 / 1			
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	
Richardson, Sha'Carri (USA) (2000)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2023 World Athletics Championships (Budapest, HUN)											Seiko Timing (2023) - world championship race analysis
date	25-Aug-23	time		11.30		21.92	21.92	9 / 3			
reaction time	0.171	interval				10.62	PB	# 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	
Marshall, Pam (USA) (1960)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1988 USA Olympic Trials (Indianapolis, IN)											Veney - 200m women from PJ
date	23-Jul-88	time		11.43	16.59	21.93	21.93	/ 2			
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		8.75	9.52	
Felix, Allyson (USA) (1985)			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		11.17		21.93	21.93	5 / 2			
reaction time	0.193	interval				10.76		# of strides	11.17	10.76	0.41
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	91.7	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)											Hymans (2008) - history of the US olympic trials - track and field
date	23-Jul-00	time		11.1		21.94	21.94	5 / 1			
reaction time		interval				10.8		# of strides	11.10	10.84	0.26
wind	0.5 m/s	velocity		9.01		9.23	9.12		9.01	9.23	
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

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wind	1.4 m/s	velocity	8.86	9.38	9.11	99.5	8.86	9.38			
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)						<i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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)						<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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)						<i>Seiko Timing (2023) - world championship race analysis</i>					
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
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)						<i>Veney - 200m women from PJ</i>					
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)						<i>Omega Timing (2022) - diamond league race analysis</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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)						<i>Omega Timing (2023) - diamond league race analysis</i>					
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	
Ottey, Merlene (JAM) (1960)			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	6.20	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)						<i>USATF Women's Sprint Development with HPC (2008)</i>					
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

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wind	5.6 m/s	velocity	7.97	9.98	9.80	8.91	9.10		8.87	9.34	
Torrence, Gwen (USA) (1965)											
FINAL - 1993 IAAF World Championships (Stuttgart, GER)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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)											
FINAL - 2008 Olympic Games (Beijing, CHN)			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	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)											
Semi-Final 3 - 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	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	
Lee, Muna (USA) (1981)											
FINAL - 2008 Olympic Games (Beijing, CHN)			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	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)											
FINAL - 2015 IAAF World Championships (Beijing, CHN)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Butler (2019) - IAAF world championships - Doha 2019: statistics handbook											
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	
Cuthbert, Juliet (JAM) (1964)											
FINAL - 1992 Olympic Games (Barcelona, ESP)			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	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)											
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	6.25	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		8.96	9.21	
Jefferson, Kyra (USA) (1994)											
FINAL - 2017 NCAA Championships (Eugene, OR)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
USTFCCCA (2017) - NCAA DI outdoor championship history											
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
wind	1.1 m/s	velocity		8.70		9.52	9.08	97.2	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

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DV=Drug Violation

wind	1.4 m/s	velocity	8.73	9.75	9.19	9.08	101.5	8.73	9.46		
Torrence, Gwen (USA) (1965)			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	6.23	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		8.89	9.28	
Griffith, Florence (USA) (1959)			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		11.17		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)			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	6.2	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)			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		11.54		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)			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		11.1		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		9.01	9.09	
Schippers, Dafne (NED) (1992)			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	6.22	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)			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		11.23		22.05	22.05	6 / 3			
reaction time	0.125	interval				10.82	NR PB	# of strides	11.23	10.82	0.41
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)			Omega Timing (2023) - diamond league race analysis								
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)			Seiko Timing (2023) - world championship race analysis								
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	
Ottey, Merlene (JAM) (1960)			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	6.24	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	
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)			Omega Timing (2021) - diamond league race analysis								
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

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	7.94	9.80	9.43	9.33	9.07	94.0	8.77	9.38	
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
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)			<i>Omega Timing (2022) - diamond league race analysis</i>								
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	
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)			<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
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)			<i>Omega Timing (2019) - diamond league race analysis</i>								
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)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
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)			<i>Omega Timing (2023) - diamond league race analysis</i>								
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	
Ottey, Merlene (JAM) (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		11.26		22.09	22.09	2 / 3			
reaction time	0.193	interval				10.83	PB	# of strides	11.26	10.83	0.43
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)											
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		11.2		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)											
FINAL	- 2000 USA Olympic Trials (Sacramento, CA)		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	23-Jul-00	time		11.3		22.09	22.09	7 / 2			
reaction time		interval				10.8		# of strides	11.30	10.79	0.51
wind	0.5 m/s	velocity	8.85		9.27	9.05			8.85	9.27	
Miller-Uibo, Shaunae (BAH) (1994)											
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	11.6	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	
Fraser-Price, Shelly-Ann (JAM) (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		11.15		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	
Smallwood-Cook, Kathy (GBR) (1960)											
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		11.37		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	
Jackson, Shericka (JAM) (1994)											
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	6.3	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)											
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	6.15	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
wind	0.3 m/s	velocity	8.13	9.90	9.52	8.85	9.05	97.5	8.93	9.17	
Jeter, Carmelita (USA) (1979)											
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		11.2		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			8.93	9.17	
Krabbe, Katrin (GER) (1969)											
FINAL	- 1991 German National Championships (Hannover, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Graubner (2008) - http://www.fgs.uni-halle.de</i>											
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)											
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	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)											
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	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

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DV=Drug Violation

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)										
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		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) <i>Butler (2011) - Gay's last 100 in Manchester street 150</i>										
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
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) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
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	
Smallwood, Kathy (GBR) (1960)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1982 European Championships (Athens, GRE) <i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>										
date	09-Sep-82	time	11.44		22.13	22.13	/ 2			
reaction time		interval			10.69		# 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)	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	11.28	16.53	22.13	22.13	6 / 1			
reaction time	0.225	interval		5.25	5.60		# 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)	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	6.36	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
wind	1.8 m/s	velocity	7.86	9.98	9.56	9.04	9.04	8.80	9.29	0.61
Privalova, Irina (RUS) (1968)	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	6.25	11.30	16.54	22.13	22.13	3 / 3		
reaction time	0.206	interval		5.05	5.24	5.59		# of strides	11.30	10.83
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2005 USATF National Championships (Carson, CA) <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
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2016 London Anniversary Games (London, GBR) <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	
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		# 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

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DV=Drug Violation

wind	-0.2 m/s	velocity	9.03	9.04	9.03	96.0	9.03	9.04			
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	
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	PB	# 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	
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
wind	-2.4 m/s	velocity		8.85		9.21	9.03	98.0	8.85	9.21	
Heat 2 - 2023 World Athletics Championships (Budapest, HUN)			<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)			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		22.16	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)			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	6.32	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	
Torrence, Gwen (USA) (1965)			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	6.33	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	
Alfred, Julien (LCA) (2001)			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		11.42		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	

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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	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		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>USTFCCCA (2017) - NCAA DI outdoor championship history</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	
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	
Ottey, Merlene (JAM) (1960)		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	11.51	16.71	22.20	22.20	3 / 3			
reaction time	0.157	interval		5.20	5.49	PB	# of strides	11.51	10.69	0.82
wind	1.4 m/s	velocity	8.69	9.62	9.11	9.01	89.7	8.69	9.35	
Jackson, Grace (JAM) (1961)		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	11.44		22.18	22.20	8 / 5			
reaction time	0.243	interval			10.74	PB	# of strides	11.44	10.74	0.70
wind	0.1 m/s	velocity	8.74		9.31	9.01		8.74	9.31	
Pérec, Marie-José (FRA) (1968)		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	6.32	11.36	16.52	22.20	7 / 4			
reaction time	0.194	interval		5.04	5.16	5.68	# of strides	11.36	10.84	0.52
wind	0.0 m/s	velocity	7.91	9.92	9.69	8.80	85.2	8.80	9.23	

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Hooker, Marshvet (USA) (1984)										
FINAL	- 2008 USA Olympic Trials (Eugene, OR)									
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
Richardson, Sha'Carri (USA) (2000)										
Semi-Final 3	- 2023 World Athletics Championships (Budapest, HUN)									
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
Ottey, Merlene (JAM) (1960)										
FINAL	- 1991 IAAF World Championships (Tokyo, JPN)									
date	30-Aug-91	time		11.17		22.21	22.21	5 / 3		
reaction time		interval				11.04		# of strides	11.17	11.04
wind	-2.4 m/s	velocity		8.95		9.06	9.00	93.7	8.95	9.06
White, Kelli (USA) (1977)										
FINAL	- 2003 USATF National Championships (Palo Alto, CA)									
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
wind	0.0 m/s	velocity	7.99	9.62	9.67	8.96	9.00		8.73	9.30
Williams, Lauryn (USA) (1983)										
FINAL	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	5.6 m/s	velocity	8.05	9.80	9.42	8.94	9.00		8.84	9.17
Prandini, Jenna (USA) (1992)										
FINAL	- 2015 NCAA Championships (Eugene, OR)									
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
wind	1.9 m/s	velocity		8.85		9.17	9.00		8.85	9.17
Ta Lou, Marie Josée (CIV) (1988)										
FINAL	- 2016 Olympic Games (Rio de Janeiro, BRA)									
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
wind	-0.1 m/s	velocity		8.85		9.17	9.00	98.0	8.85	9.17
Terry, Twanisha (USA) (1999)										
FINAL	- 2023 Prefontaine Classic (Eugene, OR)									
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
wind	0.3 m/s	velocity	8.08	10.04	9.54	8.62	9.00	101.7	8.95	9.06
McDonald, Beverly (JAM) (1970)										
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)									
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
wind	0.6 m/s	velocity	7.92	10.06	9.45	8.85	9.00		8.87	9.14
Smith, Rachelle (USA) (1981)										
FINAL	- 2005 USATF National Championships (Carson, CA)									
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
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)										
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	0.0 m/s	velocity	7.89	9.94	9.69	8.79	9.00		8.80	9.22

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Campbell-Brown, Veronica (JAM) (19)										
FINAL	- 2011 IAAF World Championships (Daegu, KOR)									
date	02-Sep-11	time	6.00	11.03	16.34	22.22	22.22			
reaction time	0.151	interval		5.03	5.31	5.88		# of strides	11.03	11.19
wind	-1.0 m/s	velocity	8.33	9.94	9.42	8.50	9.00	98.5	9.07	8.94
										-0.16
Richards-Ross, Sanya (USA) (1985)										
FINAL	- 2012 USA Olympic Trials (Eugene, OR)									
date	30-Jun-12	time		11.4		22.22	22.22			
reaction time	0.177	interval				10.82		# of strides	11.40	10.82
wind	1.0 m/s	velocity		8.77		9.24	9.00		8.77	9.24
										0.58
Asher-Smith, Dina (GBR) (1995)										
FINAL	- 2017 IAAF World Championships (London, GBR)									
date	11-Aug-17	time		11.09	16.34	22.05	22.22			
reaction time	0.169	interval			5.25	5.71		# of strides	11.09	10.96
wind	0.8 m/s	velocity		9.02	9.52	8.76	9.00	96.2	9.02	9.12
										0.13
Brown, Brittany (USA) (1995)										
FINAL	- 2019 IAAF World Championships (Doha, QAT)									
date	02-Oct-19	time	6.28	11.25	16.49	22.22	22.22			
reaction time	0.228	interval		4.97	5.24	5.73	PB	# of strides	11.25	10.97
wind	0.9 m/s	velocity	7.96	10.06	9.54	8.73	9.00	92.0	8.89	9.12
										0.28
Richards, Sanya (USA) (1985)										
FINAL	- 2006 IAAF World Cup (Athens, GRE) (TV Analysis)									
date	17-Sep-06	time		11.39		22.23	22.23			
reaction time	0.162	interval				10.84		# of strides	11.39	10.84
wind	-0.2 m/s	velocity		8.78		9.23	9.00		8.78	9.23
										0.55
Miller-Uibo, Shaunae (BAH) (1994)										
FINAL	- 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)									
date	09-Jul-21	time	6.3	11.4	16.7	22.23	22.23			
reaction time	0.132	interval		5.10	5.30	5.53		# of strides	11.40	10.83
wind	0.7 m/s	velocity	7.94	9.80	9.43	9.04	9.00	90.0	8.77	9.23
										0.57
Asher-Smith, Dina (GBR) (1995)										
FINAL	- 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)									
date	21-Jul-23	time	6.12	11.16	16.48	22.23	22.23			
reaction time	0.153	interval		5.04	5.32	5.75		# of strides	11.16	11.07
wind	0.2 m/s	velocity	8.17	9.92	9.40	8.70	9.00	95.0	8.96	9.03
										0.09
Walther, Gesine (GDR) (1962)										
FINAL	- 1982 GDR vs. USA (Karl-Marx-Stadt, GDR)									
date	09-Sep-82	time		11.27		22.24	22.24			
reaction time		interval				10.97	PB	# of strides	11.27	10.97
wind	0.9 m/s	velocity		8.87		9.12	8.99		8.87	9.12
										0.30
Ottey, Merlene (JAM) (1960)										
FINAL	- 1996 Olympic Games (Atlanta, GA)									
date	01-Aug-96	time		11.28	16.51	22.24	22.24			
reaction time	0.194	interval			5.23	5.73		# of strides	11.28	10.96
wind	0.3 m/s	velocity		8.87	9.56	8.73	8.99		8.87	9.12
										0.32
Ferguson-McKenzie, Debbie (BAH) (1962)										
Semi-Final 1	- 2009 IAAF World Championships (Berlin, GER)									
date	20-Aug-09	time	6.19	11.21	16.54	22.24	22.24			
reaction time	0.133	interval		5.02	5.33	5.70		# of strides	11.21	11.03
wind	0.5 m/s	velocity	8.08	9.96	9.38	8.77	8.99		8.92	9.07
										0.18
Brown, Kamaria (USA) (1992)										
FINAL	- 2015 NCAA Championships (Eugene, OR)									
date	13-Jun-15	time		11.4		22.2	22.24			
reaction time		interval				10.80	PB	# of strides	11.40	10.80
wind	1.9 m/s	velocity		8.77		9.26	8.99		8.77	9.26
										0.60

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Jefferson, Kyra (USA) (1994)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 NCAA Championships (Eugene, OR)						USTFCCCA (2017) - NCAA DI outdoor championship history				
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)		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	16.7	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)		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	11.46		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	
Miller, Inger (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	11.28	16.52	22.25	22.25	8 / 3			
reaction time		interval		5.24	5.73	=PB	# of strides	11.28	10.97	0.31
wind	-0.6 m/s	velocity	8.87	9.54	8.73	8.99		8.87	9.12	
Torrence, Gwen (USA) (1965)		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	11.29	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1998 World Cup (Johannesburg, RSA) (Altitude)						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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1999 IAAF World Championship (Sevilla, ESP) (TV Analysis)						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)		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	6.23	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)						Hymans (2020) - history of the US olympic trials - track and field				
date	10-Jul-16	time	11.2		22.25	22.25	7 / 1			
reaction time	0.232	interval			11.05		# of strides	11.20	11.05	0.15
wind	-0.6 m/s	velocity	8.93		9.05	8.99	91.7	8.93	9.05	
Ta Lou, Marie Josée (CIV) (1988)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)						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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)						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)								
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
Frazer, Merlene (JAM) (1973)									
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)								
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)								
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)								
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)								
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)								
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)								
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)								
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)								
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
Drechsler, Heike (GDR) (1964)									
Semi-Final 2	- 1988 Olympic Games (Seoul, KOR)								
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)								
date	28-Sep-00	time		11.3		22.3	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		8.85 9.09

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DV=Drug Violation

Asher-Smith, Dina (GBR) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)			Omega Timing (2022) - diamond league race analysis								
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)			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		11.47		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)			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		11.30		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	
Privalova, Irina (URS) (1968)			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		11.25		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)			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	6.14	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)			Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016								
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		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)			USATF Women's Sprint Development (2004)								
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	0.58
wind	-1.2 m/s	velocity	7.89	9.82	9.63	8.83	8.98	92.2	8.75	9.22	
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)			Seiko Timing (2023) - world championship race analysis								
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	
Knoll, Silke (GER) (1967)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1992 (Ingolstadt, GER)			Graubner (2008) - http://www.fgs.uni-halle.de								
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)			USATF Women's Sprint Development (1996)								
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)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
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	0.17
wind	0.5 m/s	velocity	8.00	10.04	9.45	8.67	8.97		8.90	9.04	

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Strachan, Anthonique (BAH) (1993)										
FINAL - 2023 World Athletics Championships (Budapest, HUN)										
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	
Guidry, Carlette (USA) (1968)										
FINAL - 1992 Olympic Games (Barcelona, ESP)										
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)										
FINAL - 2004 Olympic Games (Athens, GRE)										
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		8.85	9.09	
Lee, Muna (USA) (1981)										
Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)										
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	8.90	9.03	
Stevens, Deajah (USA) (1995)										
FINAL - 2016 USA Olympic Trials (Eugene, OR)										
date	10-Jul-16	time		11.4	22.30	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)										
Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)										
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)										
FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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	# of strides	11.22	11.08	0.14
wind	0.8 m/s	velocity	8.16	9.82	9.51	8.59	8.97	8.91	9.03	
Strachan, Anthonique (BAH) (1993)										
Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)										
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	
Young-Stone, Dannette (USA) (1964)										
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)										
date	22-Jun-96	time		11.39	16.68	22.31	22.31	3 / 1		
reaction time		interval			5.29	5.63	# of strides	11.39	10.92	0.47
wind	0.5 m/s	velocity		8.78	9.45	8.88	8.96	8.78	9.16	
Smith, Rachelle (USA) (1981)										
FINAL - 2006 USATF National Championships (Indianapolis, IN)										
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)										
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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)												
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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 1 - 2023 World Athletics Championships (Budapest, HUN)												
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)			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		11.62		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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2023 Memorial van Damme (Brussels, BEL)												
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	
Cazier, Marie-Christine (FRA) (1963)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1986 European Championships (Stuttgart, FRG)												
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		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)												
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)												
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	
Clark, Tamara (USA) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 World Athletics Championships (Eugene, OR)												
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	
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)												
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)												
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)												
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	

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

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)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
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)			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
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	
Colander, LaTasha (USA) (1976)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2005 USATF National Championships (Carson, CA)			<i>USATF Women's Sprint Development (2005)</i>								
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	
Campbell, Veronica (USA) (1982)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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	11.10	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, Marshvet (USA) (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		11.21		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)			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
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		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)			<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>								
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
wind	-0.1 m/s	velocity		8.93		8.98	8.95	97.5	8.93	8.98	
Kambundji, Mujinga (SUI) (1992)			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		11.39		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)			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	6.25	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	0.26
wind	-0.4 m/s	velocity	8.00	9.90	9.49	8.67	8.95	102.0	8.85	9.06	
Ta Lou, Marie Josée (CIV) (1988)			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	6.11	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	0.02
wind	-0.4 m/s	velocity	8.18	9.86	9.42	8.55	8.95	98.5	8.94	8.96	
White, Kayla (USA) (1996)			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		11.38		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)									
	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	11.38	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)									
	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	11.55	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)									
	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	11.49	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)									
	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	11.4	22.4	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		8.77	9.09	
Jeter, Carmelita (USA) (1979)									
	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	6.38	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)									
	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	6.19	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	8.98	8.92
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	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
wind	0.2 m/s	velocity	7.89	9.82	9.51	8.83	8.95	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
wind	0.3 m/s	velocity	7.95	9.94	9.49	8.68	8.95	8.83	9.07
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	# of strides	11.50	10.86
wind	-1.2 m/s	velocity	7.86	9.73	9.52	8.91	8.94	93.0	8.70

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DV=Drug Violation

Solomon, Shalonda (USA) (1985)										
FINAL	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	5.6 m/s	velocity	7.92	9.71	9.56	8.82	8.94		8.73	9.17
Simpson, Sherone (JAM) (1984)										
FINAL	- 2008 Olympic Games (Beijing, CHN)									
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
wind	0.6 m/s	velocity		8.83		9.06	8.94	98.2	8.83	9.06
Asher-Smith, Dina (GBR) (1995)										
FINAL	- 2019 Müller Grand Prix (Birmingham, GBR)									
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
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)										
FINAL	- 2021 Bauhaus Galan (Stockholm, SWE)									
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
wind	-0.4 m/s	velocity	8.06	9.80	9.43	8.68	8.94	98.2	8.85	9.04
Eckert-Wöckel, Bärbel (GDR) (1955)										
FINAL	- 1976 Olympic Games (Montreal, CAN)									
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
wind	0.0 m/s	velocity		8.83	9.09	9.01	8.94		8.83	9.05
Smallwood-Cook, Kathy (GBR) (1960)										
FINAL	- 1983 IAAF World Championships (Helsinki, FIN)									
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
wind	1.5 m/s	velocity		8.66	9.56	8.94	8.94	91.0	8.66	9.24
Malchugina, Galina (RUS) (1962)										
FINAL	- 1995 IAAF World Championships (Göteborg, SWE)									
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
wind	-2.2 m/s	velocity		8.81	9.58	8.62	8.94	97.7	8.81	9.07
Ferguson, Debbie (BAH) (1976)										
FINAL	- 2000 Olympic Games (Sydney, AUS)									
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
wind	0.7 m/s	velocity		8.85		9.01	8.94		8.85	9.01
Barber, Me'Lisa (USA) (1980)										
FINAL	- 2005 USATF National Championships (Carson, CA)									
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
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)										
FINAL	- 2011 IAAF World Championships (Daegu, KOR)									
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
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)										
FINAL	- 2022 Doha Diamond League (Doha, QAT)									
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
wind	1.3 m/s	velocity	8.06	9.80	9.26	8.82	8.94	93.5	8.85	9.03

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DV=Drug Violation

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	
Stecher, Renate (GDR) (1950)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1973 (Dresden, GDR)			Breizer (1984) - sprint competition analysis								
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	0.26
wind	1.6 m/s	velocity		8.83	9.03	9.06	8.94		8.83	9.04	
Griffith-Joyner, Florence (USA) (1959)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)			Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)								
date	03-Sep-87	time	6.39	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	0.46
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)			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		11.37	16.63	22.38	22.38	4 / 3			
reaction time	0.231	interval			5.26	5.75		# of strides	11.37	11.01	0.36
wind	0.3 m/s	velocity		8.80	9.51	8.70	8.94		8.80	9.08	
Perry, Nanceen (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2000 USA Olympic Trials (Sacramento, CA)			Hymans (2008) - history of the US olympic trials - track and field								
date	23-Jul-00	time		11.4		22.38	22.38	6 / 3			
reaction time		interval				11.0	PB	# of strides	11.40	10.98	0.42
wind	0.5 m/s	velocity		8.77		9.11	8.94		8.77	9.11	
Edwards, Torri (USA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)								
date	17-Jul-04	time	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	0.52
wind	0.5 m/s	velocity	7.99	9.63	9.62	8.73	8.94		8.73	9.15	
Campbell-Brown, Veronica (JAM) (19			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		11.10		22.38	22.38	5 / 4			
reaction time	0.176	interval				11.28		# of strides	11.10	11.28	-0.18
wind	-0.2 m/s	velocity		9.01		8.87	8.94	97.2	9.01	8.87	
Prandini, Jenna (USA) (1992)			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		11.29		23.38	22.38	4 / 2			
reaction time	0.145	interval				12.09		# of strides	11.29	12.09	-0.80
wind	1.9 m/s	velocity		8.86		8.27	8.94	96.2	8.86	8.27	
Thomas, Gabrielle (USA) (1996)			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	6.24	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	0.20
wind	-0.9 m/s	velocity	8.01	9.90	9.33	8.73	8.94	90.0	8.86	9.02	
Richter, Annegret (FRG) (1956)			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		11.2		22.4	22.39	5 / 2			
reaction time		interval				11.20		# of strides	11.20	11.20	0.00
wind	0.0 m/s	velocity		8.93		8.93	8.93		8.93	8.93	

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Brown, Alice (USA) (1960)										
FINAL	- 1988 USA Olympic Trials (Seoul, KOR)									
date	23-Jul-88	time	11.39	16.68	22.39	22.39	/ 5	0-100m	100-200m	Differential
reaction time		interval		5.29	5.71	PB	# of strides	11.39	11.00	0.39
wind	1.3 m/s	velocity	8.78	9.45	8.76	8.93		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	0-100m	100-200m	Differential
reaction time		interval		5.35	5.80	PB	# of strides	11.24	11.15	0.09
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	0-100m	100-200m
reaction time	0.181	interval		5.02	5.32	5.82	# of strides	11.07	11.14	-0.07
wind	-0.7 m/s	velocity	8.26	9.96	9.40	8.59	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	0-100m	100-200m	Differential
reaction time	0.186	interval			11.5	DV	# of strides	10.90	11.49	-0.59
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	0-100m	100-200m
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	97.2	8.77	9.10	0.41
Richards-Ross, Sanya (USA) (1985)										
FINAL	- 2012 Olympic Games (London, GBR)									
date	08-Aug-12	time	11.35		22.39	22.39	6 / 5	0-100m	100-200m	Differential
reaction time	0.171	interval			11.04		# of strides	11.35	11.04	0.31
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	0-100m	100-200m	Differential
reaction time		interval			10.80		# of strides	11.60	10.80	0.80
wind	1.1 m/s	velocity	8.62		9.26	8.93	80.2	8.62	9.26	
Thompson-Herah, Elaine (JAM) (1992)										
FINAL	- 2022 World Athletics Championships (Eugene, OR)									
date	21-Jul-22	time	11.36		22.39	22.39	2 / 7	0-100m	100-200m	Differential
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)										
FINAL	- 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)									
date	06-Aug-22	time	6.25	11.24	16.52	22.39	22.39	5 / 3	0-100m	100-200m
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	95.7	8.90	8.97	
Neita, Daryll (GBR) (1996)										
Heat 1	- 2023 World Athletics Championships (Budapest, HUN)									
date	23-Aug-23	time	11.41		22.39	22.39	7 / 2	0-100m	100-200m	Differential
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	
Stecher, Renate (GDR) (1950)										
FINAL	- 1972 Olympic Games (Munich, FRG)									
date	09-Jul-72	time	11.28	16.54	22.40	22.40	6 / 1	0-100m	100-200m	Differential
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	

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Torrence, Gwen (USA) (1965)										
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)										
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)										
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
wind	0.2 m/s	velocity	7.90	9.80	9.40	8.85	8.93		8.75	9.12
Miller, Inger (USA) (1972)										
FINAL	- 1996 Olympic Games (Atlanta, GA)									<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		8.80	9.05
Ferguson-McKenzie, Debbie (BAH) (1965)										
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	11.29	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		8.86	8.99
Lalova-Collio, Ivet (BUL) (1984)										
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		22.4	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)									<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)									<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	# 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)									<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	# 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)									<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
Malchugina, Galina (URS) (1962)										
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	6.41	11.54	16.77	22.42	22.42	7 / 8		
reaction time	0.208	interval		5.13	5.23	5.65	# 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

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Yusuf, Fatima (NGR) (1971)											
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	6.30	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)											
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		11.4		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		8.77	9.09	
Bailey, Aleen (JAM) (1980)											
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		11.4		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		8.77	9.09	
Felix, Allyson (USA) (1985)											
FINAL - 2011 IAAF World Championships (Daegu, KOR) <i>KSSB (2011) - biomechanical analysis of men's 200m (final)</i>											
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)											
FINAL - 2022 Weltklasse (Zürich, SUI) <i>Omega Timing (2022) - diamond league race analysis</i>											
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	
Ottey, Merlene (JAM) (1960)											
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	6.43	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) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
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) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
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	
Thompson-Herah, Elaine (JAM) (1992)											
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR) <i>Omega Timing (2019) - diamond league race analysis</i>											
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	
Gladisch-Möller, Silke (GDR) (1964)											
Heat 1 - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	01-Sep-87	time	6.38	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) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
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		8.82	9.01	

Stevens, Deajah (USA) (1995)		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	11.19	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	
wind	0.8 m/s	velocity	8.94	9.47	8.64	8.91	88.8	8.94	9.03		
Thompson, Elaine (JAM) (1992)		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	11.4	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Weltklasse (Zürich, SUI) <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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 4 - 2023 World Athletics Championships (Budapest, HUN) <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		
Boyle, Raelene (AUS) (1951)		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	11.48	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)		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	11.52	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)		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	11.56	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		8.65	9.18		
Edwards, Torri (USA) (1977)		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	6.44	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 2005 IAAF World Championships (Helsinki, FIN) <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)		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	11.4	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)		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	6.3	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
Omega Timing (2022) - diamond league race analysis										
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
Seiko Timing (2023) - world championship race analysis										
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
wind	-0.2 m/s	velocity		8.73		9.10	8.91	99.0	8.73	9.10
Griffith, Florence (USA) (1959)										
FINAL	- 1983 IAAF World Championships (Helsinki, FIN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints										
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
wind	1.5 m/s	velocity		8.65		9.54	8.83	8.90	97.5	8.65
Möller, Silke (GDR) (1964)										
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Pascua (1990) - atletismo (I) carreras y marcha										
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
wind	0.2 m/s	velocity		8.87		9.23	8.68	8.90		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
Graubner (2009) - http://www.fgs.uni-halle.de										
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
Graubner (2009) - http://www.fgs.uni-halle.de										
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
USATF Women's Sprint Development (2005)										
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
Omega Timing (2019) - diamond league race analysis										
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
Seiko Timing (2023) - world championship race analysis										
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
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
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		8.80	9.00

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Müller, Romy (GDR) (1968)										
FINAL	- 1980 Olympic Games (Moscow, URS)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	30-Jul-80	time	11.59	16.90	22.47	22.47	8 / 4	Veney - 200m women from PJ		
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
date	25-Jun-06	time	6.39	11.57	16.90	22.47	22.47	USATF Women's Sprint Development (2006)		
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	
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
date	19-Jul-22	time	11.63		22.47	22.47	7 / 4	Timing by Seiko (2022) - world athletics championships race analysis		
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
date	08-Sep-23	time	6.35	11.34	16.67	22.47	22.47	Omega Timing (2023) - diamond league race analysis		
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	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
date	30-Jun-91	time	11.50		22.48	22.48	/ 1	Federle (2003) - http://www.fgs.uni-halle.de		
reaction time		interval			10.98		# of strides	11.50	10.98	0.52
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
date	05-Jul-08	time	6.34	11.56	16.76	22.48	22.48	USATF Women's Sprint Development with HPC (2008)		
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
date	21-Aug-09	time	6.29	11.25	16.61	22.48	22.48	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
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	8.89	8.90	
Fraser-Price, Shelly-Ann (JAM) (1986)										
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	6.1	11.2	16.5	22.48	22.48	Omega Timing (2021) - diamond league race analysis		
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	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
date	09-Jun-22	time	6.40	11.53	16.81	22.48	22.48	Omega Timing (2022) - diamond league race analysis		
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	8.67	9.13	
Morehead, Brenda (USA) (1957)										
FINAL	- 1976 USA Olympic Trials (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	24-Jun-76	time	11.4		22.5	22.49	/ 1	Hymans (2008) - history of the US olympic trials - track and field		
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
date	10-Aug-17	time	6.26	11.25	16.58	22.49	22.49	Takahashi (2017) - 200m running performance analysis in the 2017 season		
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	8.89	8.90	

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Miller-Uibo, Shaunae (BAH) (1994)										
Semi-Final 2	- 2017 IAAF World Championships (London, GBR)									
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
wind	-0.2 m/s	velocity	7.82	9.84	9.49	8.70	8.89	89.5	8.72	9.07
										0.45
Nwokocha, Grace (NGR) (2001)										
Semi-Final 2	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	1.4 m/s	velocity		8.71		9.08	8.89	95.5	8.71	9.08
										0.47
Davis, Kevona (JAM) (2001)										
Heat 5	- 2023 World Athletics Championships (Budapest, HUN)									
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
wind	-1.3 m/s	velocity		8.76		9.03	8.89	91.2	8.76	9.03
										0.35
White, Kayla (USA) (1996)										
FINAL	- 2023 Prefontaine Classic (Eugene, OR)									
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
wind	0.3 m/s	velocity	8.04	9.80	9.47	8.49	8.89	92.0	8.83	8.95
										0.15
Voronova-Pomoshnikova, Natalya (UI)										
FINAL	- 1993 IAAF World Championships (Stuttgart, GER)									
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
wind	0.0 m/s	velocity	7.80	9.86	9.36	8.80	8.89	95.2	8.71	9.07
										0.46
Leshchova, Yekaterina (RUS) (1974)										
FINAL	- 1997 IAAF World Championships (Athens, GRE)									
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
wind	-0.7 m/s	velocity	8.05	9.80	9.26	8.87	8.89	94.2	8.84	9.06
										0.27
Richards, Sanya (USA) (1985)										
FINAL	- 2008 IAAF World Athletics Final (Stuttgart, GER)									
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
wind	0.1 m/s	velocity	7.86	9.77	9.35	8.82	8.89		8.71	9.07
										0.46
Madison, Tianna (USA) (1985)										
FINAL	- 2012 USA Olympic Trials (Eugene, OR)									
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
wind	1.0 m/s	velocity		8.85		8.93	8.89		8.85	8.93
										0.10
Simpson, Sherone (JAM) (1984)										
FINAL	- 2015 IAAF World Championships (Beijing, CHN)									
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
wind	0.2 m/s	velocity		8.77		9.01	8.89		8.77	9.01
										0.30
Ta Lou, Marie Josée (CIV) (1988)										
Semi-Final 3	- 2017 IAAF World Championships (London, GBR)									
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
wind	-0.2 m/s	velocity	8.03	9.94	9.36	8.47	8.89	99.3	8.88	8.90
										0.02
Williams, Briana (JAM) (2002)										
FINAL	- 2018 IAAF World Junior Championships (Tampere, FIN)									
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
wind	-0.1 m/s	velocity	7.86	9.78	9.52	8.65	8.89		8.72	9.07
										0.44

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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)			Omega Timing (2019) - diamond league race analysis								
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)			Omega Timing (2021) - diamond league race analysis								
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)			Omega Timing (2023) - diamond league race analysis								
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	
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)			USATF Women's Sprint Development with HPC (2008)								
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, Marshvet (USA) (1984)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2009 IAAF World Championships (Berlin, GER)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
date	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		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)			Takahaski (2019) - race analysis top 200m athletes- domestic and international								
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)			Longines Timing (2022) - commonwealth games race analysis								
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
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)			Omega Timing (2023) - continental tour race analysis								
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)			Seiko Timing (2023) - world championship race analysis								
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	
Onyali, Mary (NGR) (1968)			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		11.67	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)			Veney - 200m women from PJ								
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)										
FINAL - 1997 IAAF World Championships (Athens, GRE)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
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)										
FINAL - 2001 IAAF World Championships (Edmonton, CAN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
wind	-0.8 m/s	velocity		9.01	8.76	8.88	96.0	9.01	8.76	-0.32
Akinsun, Morolake (USA) (1994)										
FINAL - 2015 NCAA Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
wind	1.9 m/s	velocity		8.55	9.26	8.88		8.55	9.26	0.90
White, Kayla (USA) (1996)										
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	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
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)										
Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
date	24-Aug-23	time		11.33		22.52	22.52	7 / 3		
reaction time	0.154	interval			11.19			# of strides	11.33	11.19
wind	-0.1 m/s	velocity		8.83	8.94	8.88		97.0	8.83	8.94
Göhr, Marlies (GDR) (1958)										
FINAL - 1978 European Championships (Prague, TCH)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
wind	-0.2 m/s	velocity		8.70	9.06	8.88		109.5	8.70	9.06
Torrence, Gwen (USA) (1965)										
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
wind	1.8 m/s	velocity	7.60	9.84	9.47	8.94	8.88		8.58	9.20
Malchugina, Galina (URS) (1962)										
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
wind	1.8 m/s	velocity	7.85	9.92	9.38	8.61	8.88		8.76	8.98
Malchugina, Galina (RUS) (1962)										
FINAL - 1993 IAAF World Championships (Stuttgart, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
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)										
FINAL - 1999 IAAF World Championships (Sevilla, ESP)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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
wind	0.6 m/s	velocity	7.96	9.73	9.29	8.73	8.88		8.76	9.00
Freeman, Cathy (AUS) (1973)										
FINAL - 2000 Olympic Games (Sydney, AUS)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
date	28-Sep-00	time		11.68	16.96	22.53	22.53	2 / 7 6		
reaction time	0.235	interval			5.28	5.57		# of strides	11.68	10.85
wind	0.7 m/s	velocity		8.56	9.47	8.98	8.88		8.56	9.22

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

Gevaert, Kim (BEL) (1978)										
FINAL	- 2002 European Championships (Munich, GER)									
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
wind	-0.3 m/s	velocity	7.85	9.73	9.42	8.76	8.88		8.69	9.07
Differential 0.49										
Graubner (2009) - http://www.fgs.uni-halle.de										
Knight, Bianca (USA) (1989)										
Semi-Final 1	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	-0.1 m/s	velocity	7.91	9.69	9.54	8.61	8.88		8.71	9.05
Differential 0.43										
USATF Women's Sprint Development with HPC (2008)										
Prandini, Jenna (USA) (1992)										
FINAL	- 2016 USA Olympic Trials (Eugene, OR)									
date	10-Jul-16	time		11.3		22.53	22.53	6 / 3		
reaction time	0.187	interval				11.23		# of strides	11.30	11.23
wind	-0.6 m/s	velocity		8.85		8.90	8.88	96.2	8.85	8.90
Differential 0.07										
Hymans (2020) - history of the US olympic trials - track and field										
Gladisch-Möller, Silke (GDR) (1964)										
Semi-Final 1	- 1987 IAAF World Championships (Rome, ITA)									
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
wind	-1.0 m/s	velocity	7.85	9.94	9.38	8.61	8.87	99.0	8.77	8.98
Differential 0.26										
Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)										
Sturup, Chandra (BAH) (1971)										
FINAL	- 1996 Olympic Games (Atlanta, GA)									
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
wind	0.3 m/s	velocity		8.83	9.33	8.53	8.87		8.83	8.91
Differential 0.10										
Veney - 200m women from PJ										
Felix, Allyson (USA) (1985)										
FINAL	- 2016 USA Olympic Trials (Eugene, OR)									
date	10-Jul-16	time		11.5		22.54	22.54	5 / 4		
reaction time	0.187	interval				11.04		# of strides	11.50	11.04
wind	-0.6 m/s	velocity		8.70		9.06	8.87	93.0	8.70	9.06
Differential 0.46										
Hymans (2020) - history of the US olympic trials - track and field										
Neita, Daryll (GBR) (1996)										
FINAL	- 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)									
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
wind	0.2 m/s	velocity	7.76	9.88	9.42	8.73	8.87		8.70	9.06
Differential 0.46										
Omega Timing (2023) - diamond league race analysis										
White, Kayla (USA) (1996)										
FINAL	- 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)									
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
wind	0.2 m/s	velocity	8.01	9.78	9.31	8.59	8.87		8.81	8.94
Differential 0.16										
Omega Timing (2023) - diamond league race analysis										
Georgieva, Nadezhda (BUL) (1961)										
FINAL	- 1987 IAAF World Championships (Rome, ITA)									
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
wind	1.2 m/s	velocity		8.56	9.56	8.87	8.87		8.56	9.20
Differential 0.81										
Veney - 200m women from PJ										
Mondie-Milner, Celena (USA) (1968)										
FINAL	- 1996 USA Olympic Trials (Atlanta, GA)									
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
wind	-0.6 m/s	velocity		8.61	9.42	8.90	8.87		8.61	9.15
Differential 0.69										
USATF Women's Sprint Development (1996)										
Hooker, Marshevet (USA) (1984)										
Semi-Final 1	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	-0.1 m/s	velocity	7.76	9.67	9.62	8.71	8.87		8.61	9.14
Differential 0.67										
USATF Women's Sprint Development with HPC (2008)										

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)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
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		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)						<i>Jalava (2010) - www.tilastopaja.org</i>					
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)						<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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)						<i>Seiko Timing (2023) - world championship race analysis</i>					
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
wind	-0.3 m/s	velocity		8.62		9.13	8.87	98.0	8.62	9.13	
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)						<i>Moravec (1990) - time analysi of the sprints - Rome 1987 Scientific Report (2nd ed)</i>					
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)						<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>					
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	
White, Kayla (USA) (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	6.24	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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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	
Guidry, Carlette (USA) (1968)			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	6.25	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		8.77	8.95	

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

Lalova, Ivet (BUL) (1984)			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	11.4			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		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)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
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)			<i>Omega Timing (2023) - diamond league race analysis</i>								
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)			<i>Seiko Timing (2023) - world championship race analysis</i>								
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)			<i>Omega Timing (2023) - diamond league race analysis</i>								
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	
Jackson, Grace (JAM) (1961)			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	11.6			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	
Facey, Simone (JAM) (1985)			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	6.31	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		8.78	8.94	
Kambundji, Mujinga (SUI) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Weltklasse (Zürich, SUI)			<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)			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	6.4	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)			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	6.14	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)			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	11.61			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	

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DV=Drug Violation

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)			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
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)			<i>USATF Women's Sprint Development (1996)</i>								
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)			<i>USATF Women's Sprint Development (1996)</i>								
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)			<i>USATF Women's Sprint Development (2003)</i>								
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)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
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 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		11.15	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)			<i>Omega Timing (2019) - diamond league race analysis</i>								
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
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)			<i>Omega Timing (2023) - diamond league race analysis</i>								
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)			<i>Omega Timing (2023) - diamond league race analysis</i>								
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	
Paschke, Melanie (GER) (1970)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)			<i>Veney - 200m women from PJ</i>								
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)			<i>Veney - 200m women from PJ</i>								
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		8.69	9.02	

Edwards, Torri (USA) (1977)										
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	6.19	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		8.80	8.90		
Knight, Bianca (USA) (1989)										
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		22.60	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		
Emmanuel, Crystal (CAN) (1991)										
FINAL - 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 11-Aug-17 time		11.23	16.63	22.44	22.60	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	8.85	98.2	8.90	8.92		
Kambundji, Mujinga (SUI) (1992)										
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	6.5	11.6	17.2	22.60	22.60	6 / 3				
reaction time 0.147 interval		5.10	5.60	5.40		# of strides	11.60	11.00	0.60	
wind 0.2 m/s velocity	7.69	9.80	8.93	9.26	8.85	100.0	8.62	9.09		
Williams, Jodie (GBR) (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	6.4	11.6	16.9	22.60	22.60	7 / 2				
reaction time 0.143 interval		5.20	5.30	5.70		# 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)	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		11.59		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		
Smallwood, Kathy (GBR) (1960)										
FINAL - 1980 Olympic Games (Moscow, URS)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	<i>Veney - 200m women from PJ</i>
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	<i>Veney - 200m women from PJ</i>
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		8.65	9.05		
Finn, Michelle (USA) (1965)										
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		11.4		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)	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		11.41	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		8.76	8.93		
Jeter, Carmelita (USA) (1979)										
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	6.41	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		

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DV=Drug Violation

Ferguson-McKenzie, Debbie (BAH) ()		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	11.46		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)		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		22.61	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2017 NCAA Championships (Eugene, OR)						<i>USTFCCCA (2017) - NCAA DI outdoor championship history</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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)						<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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)						<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)		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	11.65		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		
Nwokocho, Grace (NGR) (2001)		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	11.50		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		
McLaughlin, Anneisha (JAM) (1986)		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	6.37	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	8.75	8.94		
Okagbare, Blessing (NGR) (1988)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 Weltklasse (Zürich, SUI)						<i>Omega Timing (2019) - diamond league race analysis</i>					
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	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)						<i>Omega Timing (2019) - diamond league race analysis</i>					
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)						<i>Seiko Timing (2023) - world championship race analysis</i>					
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		

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DV=Drug Violation

Jackson, Grace (JAM) (1961)									
FINAL	- 1983 IAAF World Championships (Helsinki, FIN)			<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>					
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
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)			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>					
date	06-Aug-92	time	11.5		22.6	22.63	1 / 8		
reaction time		interval			11.10		# of strides	11.50	11.10
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)			<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
wind	-1.1 m/s	velocity	7.73	9.65	9.43	8.80	8.84	8.58	9.11
Jayasinghe, Susanthika (SRI) (1975)									
FINAL	- 2007 IAAF World Championships (Osaka, JPN)			<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>					
date	31-Aug-07	time	6.36	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
wind	1.7 m/s	velocity	7.86	9.82	9.31	8.61	8.84	94.7	8.73
Floyd, Ebonie (USA) (1983)									
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	05-Jul-08	time	6.45	11.75	16.96	22.63	22.63	5 / 5	
reaction time		interval		5.30	5.21	5.67		# of strides	11.75
wind	0.0 m/s	velocity	7.75	9.43	9.60	8.82	8.84	8.51	9.19
Soumaré, Myriam (FRA) (1986)									
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		11.41		22.63	22.63	2 / 7	
reaction time	0.157	interval			11.22		# of strides	11.41	11.22
wind	-0.2 m/s	velocity		8.76		8.91	8.84	98.2	8.76
Brown, Kamaria (USA) (1992)									
FINAL	- 2014 NCAA Championships (Eugene, OR)			<i>USTFCCCA (2017) - NCAA DI outdoor championship history</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
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)			<i>USTFCCCA (2017) - NCAA DI outdoor championship history</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
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)			<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
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)			<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
wind	0.5 m/s	velocity	7.96	9.94	9.40	8.33	8.84	92.0	8.84
Cheeseborough, Chandra (USA) (1956)									
FINAL	- 1976 USA Olympic Trials (Eugene, OR)			<i>Hymans (2008) - history of the US olympic trials - track and field</i>					
date	24-Jun-76	time		11.5		22.6	22.64	1 / 2	
reaction time		interval			11.1		# of strides	11.50	11.10
wind	2.3 m/s	velocity		8.70		9.01	8.83	8.70	9.01

Bodendorf, Carla (GDR) (1953)									
FINAL	- 1976 Olympic Games (Montreal, CAN)								
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
wind	0.0 m/s	velocity	8.78	9.07	8.71	8.83		8.78	8.89
Breizer (1984) - sprint competition analysis									
Gladisch-Möller, Silke (GDR) (1964)									
FINAL	- 1986 European Championships (Stuttgart, FRG)								
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
wind	-0.8 m/s	velocity	8.88		8.90	8.83		8.88	8.90
Veney - 200m women from PJ									
Campbell, Juliet (JAM) (1970)									
FINAL	- 1999 IAAF World Championships (Sevilla, ESP)								
date	27-Aug-99	time	6.31	11.50	16.87	22.64	2 / 8		
reaction time	0.143	interval		5.19	5.37	5.77	# of strides	11.50	11.14
wind	0.6 m/s	velocity	7.92	9.63	9.31	8.67	8.83	8.70	8.98
Ferro (2001) - biomechanical analysis of the 7th world championships in athletics seville 1999									
Moore, LaShaunte'a (USA) (1983)									
FINAL	- 2004 USA Olympic Trials (Sacramento, CA)								
date	18-Jul-04	time	6.44	11.65	16.92	22.64	5 / 4 3		
reaction time		interval		5.21	5.27	5.72	# of strides	11.65	10.99
wind	-1.2 m/s	velocity	7.76	9.60	9.49	8.74	8.83	8.58	9.10
USATF Women's Sprint Development (2004)									
Freeman, Emily (GBR) (1980)									
Semi-Final 1	- 2009 IAAF World Championships (Berlin, GER)								
date	20-Aug-09	time	6.29	11.40	16.79	22.64	3 / 3		
reaction time	0.163	interval		5.11	5.39	5.85	# of strides	11.40	11.24
wind	0.5 m/s	velocity	7.95	9.78	9.28	8.55	8.83	8.77	8.90
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
Artymata, Eleni (CYP) (1986)									
Semi-Final 1	- 2009 IAAF World Championships (Berlin, GER)								
date	20-Aug-09	time	6.46	11.57	16.92	22.64	8 / 4		
reaction time	0.192	interval		5.11	5.35	5.72	# of strides	11.57	11.07
wind	0.5 m/s	velocity	7.74	9.78	9.35	8.74	8.83	8.64	9.03
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
Ekponé, Olivia (USA) (1993)									
FINAL	- 2014 NCAA Championships (Eugene, OR)								
date	14-Jun-14	time		11.8		22.6	2 / 3		
reaction time		interval				10.80	# of strides	11.80	10.80
wind	2.2 m/s	velocity		8.47		9.26	8.83	8.47	9.26
USTFCCCA (2017) - NCAA DI outdoor championship history									
Ta Lou, Marie Josée (CIV) (1988)									
FINAL	- 2023 World Athletics Championships (Budapest, HUN)								
date	25-Aug-23	time		11.41		22.64	2 / 8		
reaction time	0.179	interval				11.23	# of strides	11.41	11.23
wind	0.1 m/s	velocity		8.76		8.90	8.83	8.76	8.90
Seiko Timing (2023) - world championship race analysis									
Trandekova, Marina (RUS) (1967)									
FINAL	- 1997 IAAF World Championships (Athens, GRE)								
date	08-Aug-97	time	6.25	11.39	16.75	22.51	1 / 6		
reaction time	0.138	interval		5.14	5.36	5.76	# of strides	11.39	11.12
wind	-0.7 m/s	velocity	8.00	9.73	9.33	8.68	8.83	8.78	8.99
Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics									
Jenkins, LaTasha (USA) (1977)									
FINAL	- 2003 USATF National Championships (Palo Alto, CA)								
date	22-Jun-03	time	6.61	11.85	17.03	22.65	6 / 4 3		
reaction time		interval		5.24	5.18	5.62	# of strides	11.85	10.80
wind	0.0 m/s	velocity	7.56	9.54	9.65	8.90	8.83	8.44	9.26
USATF Women's Sprint Development (2003)									
Moore, Connie (USA) (1981)									
FINAL	- 2004 USA Olympic Trials (Sacramento, CA)								
date	18-Jul-04	time	6.43	11.52	16.77	22.65	7 / 5 4		
reaction time		interval		5.09	5.25	5.88	# of strides	11.52	11.13
wind	-1.2 m/s	velocity	7.78	9.82	9.52	8.50	8.83	8.68	8.98
USATF Women's Sprint Development (2004)									

Edwards, Torri (USA) (1977)		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	11.3		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)		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	6.27	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)		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		22.65	22.65	3 / 5				
reaction time	0.174	interval			11.15		# of strides	11.50	11.15	0.35	
wind	-0.6 m/s	velocity		8.70	8.97	8.83	92.2	8.70	8.97		
Stevens, Deajah (USA) (1995)		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	11.5		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		
Masilingi, Beatrice (NAM) (2003)		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	6.4	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)		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	6.26	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)		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	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)		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	6.31	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	
Kondratyeva, Lyudmila (URS) (1958)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1979 World Cup (Montreal, CAN)						<i>Tabatshnik (1986) - sprinting - versatility or specialization?</i>					
date	24-Aug-79	time	11.56	16.88	22.66	22.66	1 / 3				
reaction time		interval		5.32	5.78		# of strides	11.56	11.10	0.46	
wind	-0.2 m/s	velocity		8.65	8.89	8.65	8.83	8.65	9.01		
Malchugina, Galina (URS) (1962)		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	11.50		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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1995 IAAF World Championships (Göteborg, SWE)						<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	103.5	8.64	9.02		

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

Block, Zhanna (UKR) (1972)			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		11.4		22.7	22.66	8 / 2 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		8.77	8.85	
Lee, Muna (USA) (1981)			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	6.32	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		8.66	9.00	
Durst, Stephanie (USA) (1982)			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	6.34	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		8.62	9.04	
Jenkins, LaTasha (USA) (1977)			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	6.45	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)			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	6.31	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)			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	6.5	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)			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	6.4	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	
Gaither, TyNia (BAH) (1993)			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	6.38	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)											
<i>Seiko Timing (2023) - world championship race analysis</i>											
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	
Zhirova, Marina (URS) (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		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		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)											
<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
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)					<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>						
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)					<i>USATF Women's Sprint Development (2004)</i>						
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		8.70	8.95	
Mboma, Christine (NAM) (2003)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Josef Odložil Memorial (Prague, CZE)					<i>Vazel (2021) - https://twitter.com/pjvazel/status/1401965630484529154?s=21</i>						
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)					<i>Omega Timing (2023) - diamond league race analysis</i>						
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)					<i>Omega Timing (2023) - diamond league race analysis</i>						
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)					<i>Omega Timing (2023) - diamond league race analysis</i>						
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)					<i>Seiko Timing (2023) - world championship race analysis</i>						
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)					<i>Seiko Timing (2023) - world championship race analysis</i>						
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)					<i>Seiko Timing (2023) - world championship race analysis</i>						
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	
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)					<i>Lamare (1976) - les jeux de la XXI olympia, Montreal 1976</i>						
date	28-Jul-76	time		11.50		22.68	22.68	1 / 1			
reaction time		interval				11.18		# of strides	11.50	11.18	0.32
wind	0.0 m/s	velocity		8.70		8.94	8.82		8.70	8.94	
Helten, Inge (FRG) (1950)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1976 Olympic Games (Montreal, CAN)					<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		8.73	8.90	

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DV=Drug Violation

Nuneva, Anelia (BUL) (1962)										
FINAL	- 1983 IAAF World Championships (Helsinki, FIN)									
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	
Safronnikova, Natalia (BLR) (1973)										
FINAL	- 2001 European Cup (Bremen, GER)									
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
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)									
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
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)									
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
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)									
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	
Scott, Aurieyall (USA) (1992)										
FINAL	- 2012 USA Olympic Trials (Eugene, OR)									
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		8.70	8.94	
Prandini, Jenna (USA) (1992)										
FINAL	- 2023 Prefontaine Classic (Eugene, OR)									
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
wind	0.3 m/s	velocity	7.94	9.90	9.38	8.33	8.82	97.0	8.81	8.83
Boone, Rachael (USA) (1981)										
Semi-Final 1	- 2004 USA Olympic Trials (Atlanta, GA)									
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
wind	0.5 m/s	velocity	7.91	9.71	9.33	8.53	8.81		8.72	8.91
Boone, Rachael (USA) (1981)										
FINAL	- 2004 USA Olympic Trials (Atlanta, GA)									
date	18-Jul-04	time	6.34	11.58	16.90	22.69	22.69	2 / 4 5		
reaction time		interval		5.24	5.32	5.79		# of strides	11.58	11.11
wind	-1.2 m/s	velocity	7.89	9.54	9.40	8.64	8.81	96.7	8.64	9.00
Hooker, Marshvet (USA) (1984)										
FINAL	- 2008 IAAF World Athletics Final (Stuttgart, GER)									
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
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)									
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
wind	0.1 m/s	velocity	7.79	9.84	9.33	8.58	8.81		8.70	8.94

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DV=Drug Violation

Lalova-Collio, Ivet (BUL) (1984)									
FINAL	- 2016 Olympic Games (Rio de Janeiro, BRA)								
date	17-Aug-16	time			22.69	22.69	8 / 8		
reaction time	0.104	interval			11.39		# of strides	11.30	11.39 -0.09
wind	-0.1 m/s	velocity		8.85	8.78	8.81	98.0	8.85	8.78
Miller-Uibo, Shaunae (BAH) (1994)									
Heat 4	- 2017 IAAF World Championships (London, GBR)								
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)									
FINAL	- 2019 Athletissima (Lausanne, SUI)								
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
Felix, Allyson (USA) (1985)									
Semi-Final 2	- 2004 USA Olympic Trials (Sacramento, CA)								
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		8.66 8.97
Miller, Inger (USA) (1972)									
FINAL	- 2004 USA Olympic Trials (Sacramento, CA)								
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
wind	-1.2 m/s	velocity	7.91	9.69	9.47	8.42	8.81	95.7	8.71 8.91
Richards, Sanya (USA) (1985)									
FINAL	- 2007 IAAF World Championships (Osaka, JPN)								
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)									
FINAL	- 2011 IAAF World Championships (Daegu, KOR)								
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)									
Heat 6	- 2017 IAAF World Championships (London, GBR)								
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)									
FINAL	- 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)								
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)									
FINAL	- 2023 Bauhaus Galan (Stockholm, SWE)								
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
Eckert-Wöckel, Bärbel (GDR) (1955)									
Semi-Final 2	- 1976 Olympic Games (Montreal, CAN)								
date	28-Jul-76	time		11.52		22.71	22.71	5 / 1	
reaction time		interval				11.19		# of strides	11.52 11.19 0.33
wind	0.0 m/s	velocity		8.68		8.94	8.81		8.68 8.94

Molokova, Marina (URS) (1962)									
FINAL - 1986 European Championships (Stuttgart, FRG)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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)									
FINAL - 1995 IAAF World Championships (Göteborg, SWE)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	25-Aug-95	time	11.39	16.73	22.71	22.71	8 / 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
Ferguson-McKenzie, Debbie (BAH) (1968)									
Heat 4 - 2009 IAAF World Championships (Berlin, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	19-Aug-09	time	6.32	11.34	16.72	22.71	22.71	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
wind	0.3 m/s	velocity	7.91	9.96	9.29	8.35	8.81	8.82	8.80
Richards-Ross, Sanya (USA) (1985)									
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	11.63	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)									
Semi-Final 1 - 2017 IAAF World Championships (London, GBR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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)									
Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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	
Callender, Beverley (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	11.82	17.08	22.72	22.72	5 / 6	Veney - 200m women from PJ	
reaction time	0.171	interval		5.26	5.64	# 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)									
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	11.4	22.72	22.72	4 / 6	Butler (2013) - IAAF world championships statistics handbook- moscow 2013		
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)									
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	05-Jul-08	time	6.49	11.53	16.95	22.72	22.72	USATF Women's Sprint Development with HPC (2008)	
reaction time		interval		5.04	5.42	5.77	# of strides	11.53	11.19
wind	1.6 m/s	velocity	7.70	9.92	9.23	8.67	8.80	8.67	8.94
Stewart, Kerron (JAM) (1984)									
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	13-Sep-08	time	6.41	11.51	16.88	22.72	22.72	Graubner (2009) - http://www.fgs.uni-halle.de	
reaction time	0.162	interval		5.10	5.37	5.84	# of strides	11.51	11.21
wind	0.1 m/s	velocity	7.80	9.80	9.31	8.56	8.80	8.69	8.92
Thomas, Gabrielle (USA) (1996)									
FINAL - 2016 USA Olympic Trials (Eugene, OR)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	10-Jul-16	time	11.6	22.72	22.72	8 / 6	Hymans (2020) - history of the US olympic trials - track and field		
reaction time	0.205	interval		11.12		# of strides	11.60	11.12	0.48
wind	-0.6 m/s	velocity	8.62	8.99	8.80	90.0	8.62	8.99	

Clark, Tamara (USA) (1999)										
FINAL	- 2022 Doha Diamond League (Doha, QAT)									
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
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)										
Semi-Final 1	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	2.0 m/s	velocity		8.71		8.90	8.80	101.5	8.71	8.90
Kasprzyk, Ewa (POL) (1957)										
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
wind	-0.8 m/s	velocity		8.75		8.85	8.80		8.75	8.85
Gainsford-Taylor, Melinda (AUS) (197)										
FINAL	- 1997 IAAF World Championships (Athens, GRE)									
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
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)										
Semi-Final 2	- 2002 European Championships (Munich, GER)									
date	09-Aug-02	time	6.38	11.50	16.93	22.73	22.73	1 / 1		
reaction time	0.141	interval		5.12	5.43	5.80		# of strides	11.50	11.23
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)										
FINAL	- 2007 IAAF World Athletics Final (Stuttgart, GER)									
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
wind	0.5 m/s	velocity	7.81	9.94	9.23	8.50	8.80		8.75	8.85
Duncan, Kimberlyn (USA) (1991)										
Semi-Final 2	- 2017 IAAF World Championships (London, GBR)									
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
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)										
Semi-Final 3	- 2017 IAAF World Championships (London, GBR)									
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
wind	-0.2 m/s	velocity		8.98	9.23	8.29	8.80	97.4	8.98	8.73
Fotopoulou, Oliva (CYP) (1996)										
Semi-Final 1	- 2023 World Athletics Championships (Budapest, HUN)									
date	24-Aug-23	time		11.46		22.73	22.73	4 / 5		
reaction time	0.162	interval				11.27		# of strides	11.46	11.27
wind	-0.1 m/s	velocity		8.73		8.87	8.80	99.0	8.73	8.87
Koné, Maboundou (CIV) (1997)										
Semi-Final 1	- 2023 World Athletics Championships (Budapest, HUN)									
date	24-Aug-23	time		11.51		22.73	22.73	5 / 6		
reaction time	0.188	interval				11.22	DQ	# of strides	11.51	11.22
wind	-0.1 m/s	velocity		8.69		8.91	8.80	99.2	8.69	8.91
Szewinska, Irena (POL) (1946)										
FINAL	- 1972 Olympic Games (Munich, FRG)									
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
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)									
date	24-Jun-76	time	11.8		22.8	22.74				
reaction time		interval			11.0					
wind	2.3 m/s	velocity	8.47		9.09	8.80				
Miller, Inger (USA) (1972)										
Heat 4	2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-0.6 m/s	velocity	8.00	9.65	9.35	8.39	8.80		8.75	8.84
										0.12
Ferguson-McKenzie, Debbie (BAH) (1972)										
FINAL	2007 IAAF World Athletics Final (Stuttgart, GER)									
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
wind	0.5 m/s	velocity	7.95	9.71	9.17	8.55	8.80		8.74	8.85
										0.14
Knight, Bianca (USA) (1986)										
Heat 2	2008 USA Olympic Trials (Eugene, OR)									
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
wind	0.0 m/s	velocity	7.87	9.71	9.35	8.49	8.80		8.70	8.90
										0.26
Hooker, Marshevet (USA) (1984)										
Quarter-Final 3	2008 USA Olympic Trials (Eugene, OR)									
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
wind	0.0 m/s	velocity	7.61	9.77	9.54	8.61	8.80		8.55	9.05
										0.64
Jones-Ferrette, LaVerne (ISV) (1981)										
Semi-Final 2	2009 IAAF World Championships (Berlin, GER)									
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
wind	0.3 m/s	velocity	8.09	9.84	9.24	8.24	8.80		8.88	8.71
										-0.22
Brown, Brittany (USA) (1995)										
FINAL	2022 Prefontaine Classic (Eugene, OR)									
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
wind	1.3 m/s	velocity	7.89	9.56	9.23	8.70	8.80	99.0	8.64	8.95
										0.40
Suarez, Gabriela Anahi (ECU) (2001)										
Semi-Final 3	2022 World Athletics Championships (Eugene, OR)									
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
wind	-0.1 m/s	velocity		8.78		8.81	8.80	99.7	8.78	8.81
										0.04
Streidt, Ellen (GDR) (1952)										
FINAL	1972 Olympic Games (Munich, FRG)									
date	09-Jul-72	time		11.64	17.04	22.75	22.75	3 / 4		
reaction time		interval			5.40	5.71		# of strides	11.64	11.11
wind	1.1 m/s	velocity		8.59	9.26	8.76	8.79	102.2	8.59	9.00
										0.53
Levorato, Manuela (ITA) (1977)										
FINAL	2002 European Championships (Munich, GER)									
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
wind	-0.3 m/s	velocity	7.82	9.69	9.31	8.58	8.79		8.66	8.93
										0.35
Durst, Stephanie (USA) (1982)										
Heat 3	2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-0.1 m/s	velocity	7.95	9.58	9.28	8.55	8.79		8.69	8.90
										0.27

Williams, Jodie (GBR) (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	6.4	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
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'Athletisme (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	
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		8.61	8.97	
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		8.74	8.83	
Strachan, Anthonique (BAH) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Prefontaine Classic (Eugene, OR)			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)			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	6.26	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	
Burkett, Aspen (USA) (1976)			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	6.37	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		8.56	9.02	
Miller, Inger (USA) (1972)			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	6.46	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	

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DV=Drug Violation

Moore, Connie (USA) (1981)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)			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		8.66	8.91	
Floyd, Ebonie (USA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2006 USATF National Championships (Indianapolis, IN)			USATF Women's Sprint Development (2006)								
date	25-Jun-06	time	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	
Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Prefontaine Classic (Eugene, OR)			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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Prefontaine Classic (Eugene, OR)			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	
Bacoul, Rose-Aimée (FRA) (1952)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1984 Olympic Games (Los Angeles, CA)			Vogel (1984) - olympische spiele in los angeles								
date	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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2002 European Championships (Munich, GER)			Graubner (2009) - http://www.fgs.uni-halle.de								
date	09-Aug-02	time	6.48	11.69	17.04	22.78	22.78	1 / 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	
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	
van Hünenstijn, 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	

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Prandini, Jenna (USA) (1992)										
FINAL	- 2023 Weltklasse (Zürich, SUI)									<i>Omega Timing (2023) - diamond league race analysis</i>
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
Bryant, Dezerea (USA) (1993)										
FINAL	- 2021 Herculis Meeting International d'Athletisme (Monaco, MON)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	09-Jul-21	time	6.3	11.5	16.9	22.79	22.79	2 / 5		
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)									<i>Seiko Timing (2023) - world championship race analysis</i>
date	24-Aug-23	time		11.62		22.79	22.79	9 / 6		
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)									<i>Omega Timing (2023) - diamond league race analysis</i>
date	08-Sep-23	time	6.31	11.46	16.94	22.79	22.79	3 / 5		
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
Lannaman, Sonia (GBR) (1956)										
FINAL	- 1980 Olympic Games (Moscow, URS)									<i>Veney - 200m women from PJ</i>
date	30-Jul-80	time		11.81	17.16	22.80	22.80	2 / 8		
reaction time	0.154	interval			5.35	5.64		# of strides	11.81	10.99 0.82
wind	1.4 m/s	velocity		8.47	9.35	8.87	8.77		8.47	9.10
Mothersill, Cydonie (CAY) (1978)										
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	11.54	16.95	22.80	22.80	4 / 4		
reaction time	0.202	interval		5.08	5.41	5.85		# of strides	11.54	11.26 0.28
wind	0.3 m/s	velocity	7.74	9.84	9.24	8.55	8.77		8.67	8.88
Facey, Simone (JAM) (1985)										
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		8.78	8.76
Townsend, Tiffany (USA) (1989)										
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		22.80	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)										
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)										
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)										
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)			Omega Timing (2022) - diamond league race analysis								
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	
Félix, Sylviane (FRA) (1977)			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	6.37	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)			USATF Women's Sprint Development with HPC (2008)								
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)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
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		8.64	8.90	
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	
Onyali, Mary (NGR) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1989 IAAF World Cup (Canberra, AUS)			Pascua (1990) - atletismo (l) carreras y marcha								
date	08-Sep-89	time		11.56	17.00	22.82	22.82	1 / 2			
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	
Clark, Tamara (USA) (1999)			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	6.28	11.43	16.86	22.82	22.82	4 / 6			
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	8.76	102.2	8.75	8.78	
Hodge, Aadaejah (IVB) (2006)			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		11.66		22.82	22.82	6 / 4			
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	
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)			USATF Women's Sprint Development (2004)								
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		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)			USATF Women's Sprint Development (2004)								
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		8.49	9.05	

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

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		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		8.64	8.88	
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	
Trandekova, Marina (RUS) (1967)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1995 IAAF World Championships (Göteborg, SWE)										<i>Veney - 200m women from PJ</i>	
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)										<i>USATF Women's Sprint Development (2004)</i>	
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		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)										<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>	
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		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)										<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>	
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)										<i>USATF Women's Sprint Development with HPC (2008)</i>	
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	
Bryant, Dezerea (USA) (1993)			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	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)			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	6.38	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	
Tirlea, Ionela (ROU) (1976)			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	6.38	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)			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		22.85	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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)											
USATF Women's Sprint Development (2004)											
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		8.62	8.89	
Townsend, Tiffany (USA) (1989)			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	6.42	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
wind	1.0 m/s	velocity	7.79	9.63	9.29	8.53	8.75		8.61	8.90	
Emmanuel, Crystal (CAN) (1991)			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		11.20	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)			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		11.35	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)			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	11.6	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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Prefontaine Classic (Eugene, OR)			Omega Timing (2022) - diamond league race analysis								
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)			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		11.71		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	
Gaschet, Liliane (FRA) (1962)			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		11.67		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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2002 European Championships (Munich, GER)			Graubner (2009) - http://www.fgs.uni-halle.de								
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	
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	

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

Bochina, Natalya (URS) (1962)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1986 European Championships (Stuttgart, FRG)									
date	29-Aug-86	time	11.68	22.87	22.87	7 / 6		Veney - 200m women from PJ	
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)									
date	08-Sep-89	time	11.98	17.38	22.87	22.87	1 / 3	Pascua (1990) - atletismo (I) carreras y marcha	
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)									
date	30-Aug-91	time	11.48	22.87	22.87	6 / 6	Butler (2013) - IAAF world championships statistics handbook- moscow 2013		
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)									
date	24-Jun-01	time	6.40	11.50	16.92	22.87	22.87	1 / 3	Graubner (2007) - http://www.fgs.uni-halle.de
reaction time	0.149	interval		5.10	5.42	5.95	# of strides	11.50	11.37
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)									
date	25-Aug-04	time	11.6	22.9	22.87	7 / 7	Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016		
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		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)									
date	25-Aug-04	time	11.5	22.9	22.87	5 / 7	Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016		
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		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)									
date	04-Jul-08	time	6.51	11.79	17.10	22.87	22.87	6 / 1	USATF Women's Sprint Development with HPC (2008)
reaction time		interval		5.28	5.31	5.77	# of strides	11.79	11.08
wind	1.4 m/s	velocity	7.68	9.47	9.42	8.67	8.75	94.0	8.48
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)									
date	04-Jul-08	time	6.44	11.62	16.88	22.87	22.87	8 / 2	USATF Women's Sprint Development with HPC (2008)
reaction time		interval		5.18	5.26	5.99	# of strides	11.62	11.25
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)									
date	08-Aug-12	time	11.45	22.87	22.87	3 / 3	Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016		
reaction time	0.150	interval		11.42	DV	# of strides	11.45	11.42	0.03
wind	-0.2 m/s	velocity	8.73	8.76	8.75	96.7	8.73	8.76	
Emmanuel, Crystal (CAN) (1991)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2019 Weltklasse (Zürich, SUI)									
date	29-Aug-19	time	6.3	11.5	17.0	22.87	22.87	2 / 7	Omega Timing (2019) - diamond league race analysis
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2022 World Athletics Championships (Eugene, OR)									
date	18-Jul-22	time	11.73	22.87	22.87	6 / 4	Timing by Seiko (2022) - world athletics championships race analysis		
reaction time	0.159	interval		11.14		# of strides	11.73	11.14	0.59
wind	2.5 m/s	velocity	8.53	8.98	8.75	96.0	8.53	8.98	

Mothersill, Cydonie (CAY) (1978)			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		11.3		22.88	22.88	1 / 5 3			
reaction time	0.164	interval				11.6		# of strides	11.30	11.58	-0.28
wind	-0.8 m/s	velocity		8.85		8.64	8.74	97.0	8.85	8.64	
Mayo, Gabrielle (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	11.70	17.15	22.88	22.88	5 / 1			
reaction time		interval		5.06	5.45	5.73	PB	# of strides	11.70	11.18	0.52
wind	0.9 m/s	velocity	7.53	9.88	9.17	8.73	8.74		8.55	8.94	
Felix, Allyson (USA) (1985)			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	6.31	11.42	16.94	22.88	22.88	6 / 1			
reaction time	0.175	interval		5.11	5.52	5.94		# of strides	11.42	11.46	-0.04
wind	0.0 m/s	velocity	7.92	9.78	9.06	8.42	8.74		8.76	8.73	
Ta Lou, Marie Josée (CIV) (1988)			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	6.37	11.57	17.02	22.88	22.88	2 / 3			
reaction time		interval		5.20	5.45	5.86		# of strides	11.57	11.31	0.26
wind	1.0 m/s	velocity	7.85	9.62	9.17	8.53	8.74		8.64	8.84	
Fukushima, Chisato (JPN) (1988)			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	6.25	11.46	16.92	22.88	22.88	1 / 1			
reaction time		interval		5.21	5.46	5.96	NR	# of strides	11.46	11.42	0.04
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	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	8.74	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	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	8.74	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	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	8.74	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	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	8.74	92.0	8.60	8.89	
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)										
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
wind	-0.2 m/s	velocity	7.87	9.86	9.29	8.21	8.74		8.76	8.72
Félix, Sylviane (FRA) (1977)										
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
wind	-0.3 m/s	velocity	7.74	9.49	9.31	8.64	8.74		8.53	8.96
Ferguson-McKenzie, Debbie (BAH) (1977)										
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
wind	0.1 m/s	velocity	7.80	9.75	9.24	8.42	8.74		8.67	8.81
Gbai, Jessika (CIV) (1998)										
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
wind	0.4 m/s	velocity		8.46		9.03	8.74	95.0	8.46	9.03
Rosa, Vitoria Cristina (BRA) (1996)										
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
wind	0.2 m/s	velocity	7.76	9.63	9.26	8.53	8.74	94.2	8.60	8.88
Davis-Thompson, Pauline (BAH) (1967)										
FINAL	- 1991 IAAF World Championships (Tokyo, JPN)									<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>
date	30-Aug-91	time		11.67		22.90	22.90	2 / 7		
reaction time		interval				11.23		# of strides	11.67	11.23
wind	-2.4 m/s	velocity		8.57		8.90	8.73	96.2	8.57	8.90
Jeter, Carmelita (USA) (1979)										
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	11.73	16.93	22.90	22.90	7 / 2		
reaction time		interval		5.19	5.20	5.97		# of strides	11.73	11.17
wind	0.0 m/s	velocity	7.65	9.63	9.62	8.38	8.73		8.53	8.95
Williams, Monique (NZL) (1985)										
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	6.42	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
wind	0.5 m/s	velocity	7.79	9.82	9.47	8.18	8.73		8.69	8.78
Karstoft, Ida (DEN) (1995)										
FINAL	- 2022 Bauhaus Galan (Stockholm, SWE)									<i>Omega Timing (2022) - diamond league race analysis</i>
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
wind	0.1 m/s	velocity	7.85	9.73	9.19	8.40	8.73	91.0	8.69	8.78
Robertson, Denise (AUS) (1952)										
Semi-Final 2	- 1976 Olympic Games (Montreal, CAN)									<i>Brzeizer (1984) - sprint competition analysis</i>
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
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)									<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>
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
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)										
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
wind	-0.6 m/s	velocity	7.85	9.63	9.33	8.35	8.73		8.65	8.81
McLaughlin, Anneisha (JAM) (1986)										
Heat 5 - 2009 IAAF World Championships (Berlin, GER)										
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
wind	0.1 m/s	velocity	7.78	9.82	9.28	8.33	8.73		8.68	8.78
Bryant, Dezerea (USA) (1993)										
FINAL - 2022 Prefontaine Classic (Eugene, OR)										
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
wind	1.3 m/s	velocity	8.05	9.45	9.09	8.46	8.73	102.0	8.70	8.76
Rusakova, Natalya (RUS) (1980)										
FINAL - 2007 European Cup (Munich, GER)										
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
wind	-2.0 m/s	velocity		8.60	9.35	8.42	8.73		8.60	8.86
Dobbin, Beth (GBR) (1994)										
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)										
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
wind	-0.1 m/s	velocity		8.52		8.94	8.73	97.2	8.52	8.94
Dobbin, Beth (GBR) (1994)										
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)										
date	13-Jul-21	time	6.5	11.7	17.1	22.92	22.92	3 / 5		
reaction time	0.152	interval		5.20	5.40	5.82		# of strides	11.70	11.22
wind	0.2 m/s	velocity	7.69	9.62	9.26	8.59	8.73	100.0	8.55	8.91
Jiya, Tasa (NED) (1997)										
FINAL - 2023 Prefontaine Classic (Eugene, OR)										
date	17-Sep-23	time	6.41	11.66	17.11	22.92	22.92	2 / 8		
reaction time	0.153	interval		5.25	5.45	5.81		# of strides	11.66	11.26
wind	0.3 m/s	velocity	7.80	9.52	9.17	8.61	8.73		8.58	8.88
Bailey, Angela (CAN) (1962)										
FINAL - 1983 IAAF World Championships (Helsinki, FIN)										
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
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)										
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
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)										
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
wind	-0.6 m/s	velocity	7.85	9.71	9.26	8.32	8.72		8.68	8.76
Tyson, Cleo (USA) (1986)										
FINAL - 2005 USATF National Junior Championships (Carson, CA)										
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
wind	0.6 m/s	velocity		8.66	9.07	8.52	8.72		8.66	8.79

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DV=Drug Violation

Liang Xiaojing (CHN) (1997)											
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	6.43	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)			<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	
Jett, Kisha (USA) (1975)											
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, Wyllesheia (USA) (1979)											
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		8.60	8.84	
Knight, Bianca (USA) (1986)											
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)											
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	
Clark, Tamara (USA) (1999)											
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
wind	-0.8 m/s	velocity	7.91	9.65	9.11	8.40	8.72	102.0	8.70	8.74	
Taplin, Cheryl (USA) (1972)											
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)			<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)			<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'Athlétisme (Monaco, MON)			<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)			<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	

Anderson, Alexandria (USA) (1987)										
FINAL	- 2005 USATF National Junior Championships (Carson, CA)									
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	
Williams, Monique (NZL) (1985)										
Heat 3	- 2009 IAAF World Championships (Berlin, GER)									
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
wind	0.0 m/s	velocity	7.80	9.77	9.12	8.40	8.71		8.67	8.75
Baptiste, Kelly-Ann (TTO) (1986)										
Semi-Final 3	- 2009 IAAF World Championships (Berlin, GER)									
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
wind	0.5 m/s	velocity	7.85	9.69	9.17	8.36	8.71		8.67	8.75
Ferguson-McKenzie, Debbie (BAH) ()										
FINAL	- 2010 Great CityGames (Manchester, GBR) (200m straightaway)									
date	16-May-10	time	11.34	16.86	22.96	22.96	3 / 2			
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) ()										
FINAL	- 2011 IAAF World Championships (Daegu, KOR)									
date	02-Sep-11	time	11.7		22.96	22.96	1 / 6			
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									
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) Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018									
date	29-Aug-18	time	6.48	11.64	17.07	22.96	22.96	6 / 1		
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, Adaejah (IVB) (2006)										
Semi-Final 2	- 2023 World Athletics Championships (Budapest, HUN) Seiko Timing (2023) - world championship race analysis									
date	24-Aug-23	time	11.68		22.96	22.96	2 / 7			
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) Omega Timing (2023) - diamond league race analysis									
date	08-Sep-23	time	6.42	11.60	17.08	22.96	22.96	1 / 6		
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
Moore, LaShaunte'a (USA) (1983)										
FINAL	- 2007 IAAF World Championships (Osaka, JPN) Butler (2013) - IAAF world championships statistics handbook- moscow 2013									
date	31-Aug-07	time	11.5		22.97	22.97	9 / 7			
reaction time	0.204	interval			11.47		# of strides	11.50	11.47	0.03
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) Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
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	8.90	8.53	

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DV=Drug Violation

Akinosun, Morolake (USA) (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	11.8	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)		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	11.6	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)											
Omega Timing (2022) - diamond league race analysis											
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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 5 - 2023 World Athletics Championships (Budapest, HUN)											
Seiko Timing (2023) - world championship race analysis											
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	
Günther-Reiger, Sabine (GDR) (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-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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 1997 European Cup (Munich, GER)											
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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 3 - 2004 USA Olympic Trials (Sacramento, CA)											
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		8.54	8.87	
Jeter, Carmelita (USA) (1979)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)											
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)		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	6.33	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		8.72	8.69	
Lalova-Collio, Ivet (BUL) (1984)		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	6.40	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Chinese National Championships (Chongqing, CHN)											
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	

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DV=Drug Violation

Okagbare, Blessing (NGR) (1988)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)			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)			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	6.42	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	
Odiong, Ofonime (BRN) (1997)			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		11.61		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	
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	
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 / 6 7			
reaction time		interval		5.20	5.44	6.09		# of strides	11.46	11.53	-0.07
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)			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	6.35	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)			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	6.6	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)			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		11.72		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)			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	6.30	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)								
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	
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
Réga, Chantal (FRA) (1955)									
Semi-Final 2	- 1976 Olympic Games (Montreal, CAN)								
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
wind	0.0 m/s	velocity	8.62	8.91	8.64	8.70		8.62	8.77
<i>Breizer (1984) - sprint competition analysis</i>									
Bikar, Alenka (SLO) (1974)									
FINAL	- 2001 IAAF World Championships (Edmonton, CAN)								
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	
<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>									
Rockmeier, Gabi (GER) (1973)									
FINAL	- 2002 European Championships (Munich, GER)								
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
wind	-0.3 m/s	velocity	7.78	9.69	9.21	8.36	8.70	8.63	8.76
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>									
Miller, Inger (USA) (1972)									
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)								
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
wind	-1.1 m/s	velocity	7.94	9.56	9.26	8.24	8.70	8.67	8.72
<i>USATF Women's Sprint Development (2004)</i>									
Baptiste, Kelly-Ann (TTO) (1986)									
Heat 2	- 2009 IAAF World Championships (Berlin, GER)								
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
wind	0.1 m/s	velocity	7.90	9.73	9.12	8.26	8.70	8.72	8.67
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
Kambundji, Mujinga (SUI) (1992)									
Semi-Final 3	- 2017 IAAF World Championships (London, GBR)								
date	10-Aug-17	time	11.19	16.68	22.87	23.00	23.00	5 / 3	
reaction time	0.129	interval		5.49	6.19		# of strides	11.19	11.68
wind	-0.2 m/s	velocity		8.94	9.11	8.08	8.70	102.5	8.94
<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>									
Jefferson, Kyra (USA) (1994)									
FINAL	- 2019 Seiko Golden Grand Prix (Osaka, JPN)								
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
wind	0.5 m/s	velocity	7.78	9.71	9.12	8.42	8.70	96.0	8.64
<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>									
Emmanouilidou, Polyniki (GRE) (2003)									
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)								
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
wind	-0.7 m/s	velocity	8.54		8.86	8.70	104.7	8.54	8.86
<i>Seiko Timing (2023) - world championship race analysis</i>									
Campbell-Brown, Veronica (JAM) (19)									
Heat 6	- 2009 IAAF World Championships (Berlin, GER)								
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
wind	0.0 m/s	velocity	7.86	9.78	9.09	8.28	8.69	8.72	8.67
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
Facey, Simone (JAM) (1985)									
Semi-Final 3	- 2017 IAAF World Championships (London, GBR)								
date	10-Aug-17	time	11.24	16.70	22.83	23.01	23.01	6 / 4	
reaction time	0.181	interval		5.46	6.13		# of strides	11.24	11.59
wind	-0.2 m/s	velocity	8.90	9.16	8.16	8.69	101.0	8.90	8.63
<i>Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m</i>									

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)			Butler (2013) - IAAF world championships statistics handbook- moscow 2013								
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	
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)			Seiko Timing (2023) - world championship race analysis								
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	
Prorochenko, Tatyana (URS) (1952)			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		23.0	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)			Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints								
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)			Graubner (2009) - http://www.fgs.uni-halle.de								
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)			Graubner (2009) - http://www.fgs.uni-halle.de								
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
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)			USATF Women's Sprint Development (2006)								
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)			Graubner (2009) - biomechanical analyses at the 12th IAAF world championships								
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		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)			Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m								
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)			Omega Timing (2021) - diamond league race analysis								
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	

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

Rosa, Vitoria Cristina (BRA) (1996)										
FINAL	- 2023 FBK Games (Hengelo, NED)									
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
wind	1.4 m/s	velocity	7.67	9.49	9.23	8.59	8.68	94.7	8.48	8.90
<i>Omega Timing (2023) - continental tour race analysis</i>										
Young-Stone, Dannette (USA) (1964)										
FINAL	- 1993 IAAF World Championships (Stuttgart, GER)									
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
wind	0.0 m/s	velocity	7.51	9.58	9.29	8.65	8.68		8.42	8.96
<i>Veney - 200m women from PJ</i>										
Rockmeier, Gabi (GER) (1973)										
FINAL	- 2001 European Cup (Bremen, GER)									
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
wind	0.3 m/s	velocity	7.74	9.63	9.14	8.45	8.68		8.58	8.78
<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>										
Barber, Mikele (USA) (1980)										
Semi-Final 2	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	0.0 m/s	velocity	7.69	9.69	9.23	8.39	8.68		8.58	8.79
<i>USATF Women's Sprint Development with HPC (2008)</i>										
Dobbin, Beth (GBR) (1994)										
Heat 3	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	1.1 m/s	velocity		8.55		8.82	8.68	98.2	8.55	8.82
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
Robertson, Denise (AUS) (1952)										
FINAL	- 1976 Olympic Games (Montreal, CAN)									
date	28-Jul-76	time		11.5		23.1	23.05	3 / 7		
reaction time		interval				11.60		# of strides	11.50	11.60
wind	0.0 m/s	velocity		8.70		8.62	8.68		8.70	8.62
<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>										
Kasprzyk, Ewa (POL) (1957)										
FINAL	- 1985 World Cup (Canberra, AUS)									
date	04-Oct-85	time		11.7		23.05	23.05	6 / 4		
reaction time		interval				11.35		# of strides	11.70	11.35
wind	-0.7 m/s	velocity		8.55		8.81	8.68		8.55	8.81
<i>Veney - 200m women from PJ</i>										
Daigle, Angela (USA) (1976)										
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)									
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		8.50	8.86
<i>USATF Women's Sprint Development (2004)</i>										
Floyd, Ebonie (USA) (1983)										
Quarter-Final 2	- 2008 USA Olympic Trials (Eugene, OR)									
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	9.07
<i>USATF Women's Sprint Development with HPC (2008)</i>										
Artymata, Eleni (CYP) (1986)										
FINAL	- 2009 IAAF World Championships (Berlin, GER)									
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		8.55	8.84
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
Mayr-Krifka, Karin (AUT) (1971)										
FINAL	- 2002 European Championships (Munich, GER)									
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
wind	-0.3 m/s	velocity	7.82	9.67	9.12	8.31	8.67		8.65	8.70
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										

Bolsun, Yelena (RUS) (1982)		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	6.37	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		8.70	8.65	
Forbes, Sashalee (JAM) (1996)		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		11.49	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)						<i>Omega Timing (2019) - diamond league race analysis</i>					
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)		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	6.4	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2022 Bauhaus Galan (Stockholm, SWE)						<i>Omega Timing (2022) - diamond league race analysis</i>					
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)		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	11.5	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	
Gaines, Chryste (USA) (1970)		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	11.53	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)		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	6.48	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 2 - 2009 IAAF World Championships (Berlin, GER)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
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		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	
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		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		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
wind	2.5 m/s	velocity	7.69	9.43	9.09	8.65	8.67		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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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		
Réga, Chantal (FRA) (1955)		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	23.09	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)						<i>USATF Women's Sprint Development (1996)</i>					
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)										
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
wind	1.3 m/s	velocity	7.68	9.62	9.23	8.39	8.66		8.54	8.79
Edwards, Torri (USA) (1977)										
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
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)										
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
wind	-0.1 m/s	velocity	7.81	9.71	9.17	8.21	8.66		8.66	8.67
Vinogradova, Yelena (URS) (1964)										
FINAL - 1991 IAAF World Championships (Tokyo, JPN)										
Butler (2013) - IAAF world championships statistics handbook- moscow 2013										
date	30-Aug-91	time		11.60		23.10	23.10	8 / 8		
reaction time		interval				11.50		# of strides	11.60	11.50
wind	-2.4 m/s	velocity		8.62		8.70	8.66		8.62	8.70
Levorato, Manuela (ITA) (1977)										
Heat 3 - 2002 European Championships (Munich, GER)										
Graubner (2009) - http://www.fgs.uni-halle.de										
date	08-Aug-02	time	6.45	11.65	17.15	23.10	23.10	1 / 2		
reaction time	0.164	interval		5.20	5.50	5.95		# of strides	11.65	11.45
wind	0.0 m/s	velocity	7.75	9.62	9.09	8.40	8.66		8.58	8.73
Anderson, Alexandria (USA) (1977)										
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	0.0 m/s	velocity	7.85	9.45	9.28	8.26	8.66		8.58	8.74
Barber, Mikele (USA) (1980)										
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	0.0 m/s	velocity	7.55	9.51	9.40	8.47	8.66		8.42	8.91
Freeman, Emily (GBR) (1980)										
Heat 6 - 2009 IAAF World Championships (Berlin, GER)										
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
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
wind	0.0 m/s	velocity	7.90	9.73	9.06	8.18	8.66		8.72	8.60
Bass, Gina (GAM) (1995)										
Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)										
Seiko Timing (2023) - world championship race analysis										
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
wind	-0.2 m/s	velocity		8.50		8.82	8.66	103.0	8.50	8.82
Allwood, Rose (JAM) (1952)										
FINAL - 1972 Olympic Games (Munich, FRG)										
Gundlach (1973) - beobachtungsergebnisse in der leichtathletik										
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
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)										
Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints										
date	19-Jul-86	time		11.68	17.25	23.11	23.11	1 / 1		
reaction time		interval			5.57	5.86	CR	# of strides	11.68	11.43
wind	0.6 m/s	velocity		8.56	8.98	8.53	8.65		8.56	8.75

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

Cox, Crystal (USA) (1979)									
FINAL	- 2003 USATF National Championships (Palo Alto, CA)								
date	22-Jun-03	time	6.62	11.99	17.27	23.11	23.11	7 / 5	USATF Women's Sprint Development (2003)
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)								
date	10-May-15	time	6.26	11.52	17.08	23.11	23.11	6 / 4	Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015
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)								
date	26-Aug-21	time	6.5	11.8	17.3	23.11	23.11	3 / 4	Omega Timing (2021) - diamond league race analysis
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
Malchugina, Galina (URS) (1962)									
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)								
date	08-Sep-89	time		11.44	17.06	23.12	23.12	1 / 5	Pascua (1990) - atletismo (I) carreras y marcha
reaction time		interval			5.62	6.06		# of strides	11.44 11.68 -0.24
wind	0.2 m/s	velocity		8.74	8.90	8.25	8.65		8.74 8.56
Williams, Lauryn (USA) (1983)									
Quarter-Final 3	- 2008 USA Olympic Trials (Eugene, OR)								
date	05-Jul-08	time	6.47	11.70	17.08	23.12	23.12	4 / 3	USATF Women's Sprint Development with HPC (2008)
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)								
date	10-Aug-17	time		11.44	16.95	22.99	23.12	8 / 6	Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m
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)								
date	13-May-22	time	5.7	11.5	17.1	23.12	23.12	8 / 7	Omega Timing (2022) - diamond league race analysis
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)								
date	23-Aug-23	time		11.75		23.12	23.12	8 / 5	Seiko Timing (2023) - world championship race analysis
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
Shtanhyeyeva, Iryna (UKR) (1982)									
FINAL	- 2007 European Cup (Munich, GER)								
date	24-Jun-07	time		11.77	17.21	23.13	23.13	1 / 3	Graubner (2007) - http://www.fgs.uni-halle.de
reaction time	0.145	interval			5.44	5.92		# of strides	11.77 11.36 0.41
wind	-2.0 m/s	velocity		8.50	9.19	8.45	8.65		8.50 8.80
Bass, Gina (GAM) (1995)									
FINAL	- 2022 Commonwealth Games (Birmingham, GBR)								
date	06-Aug-22	time	6.3	11.7	17.2	23.13	23.13	2 / 5	Longines Timing (2022) - commonwealth games race analysis
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)								
date	23-Aug-23	time		11.64		23.13	23.13	2 / 6	Seiko Timing (2023) - world championship race analysis
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

Dunn, Paula (GBR) (1964)										
Semi-Final 2	- 1988 Olympic Games (Seoul, KOR)									
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
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)									
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
wind	0.0 m/s	velocity	7.69	9.63	9.07	8.42	8.64		8.55	8.73
Myrick, Wyllesheia (USA) (1979)										
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-1.1 m/s	velocity	7.84	9.63	9.17	8.17	8.64		8.64	8.64
Tarmoh, Jeneba (USA) (1989)										
FINAL	- 2006 USATF National Junior Championships (Indianapolis, IN)									
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
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)									
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
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)										
Semi-Final 1	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	2.0 m/s	velocity		8.61		8.67	8.64	95.7	8.61	8.67
Marshall, Pam (USA) (1960)										
FINAL	- 1985 World Cup (Canberra, AUS)									
date	04-Oct-85	time		12.0		23.15	23.15	7 / 5		
reaction time		interval				11.15		# of strides	12.00	11.15
wind	-0.7 m/s	velocity		8.33		8.97	8.64		8.33	8.97
Mani, Myriam (CMR) (1977)										
FINAL	- 2001 IAAF World Championships (Edmonton, CAN)									
date	10-Aug-01	time		11.3		23.15	23.15	6 / 5 6		
reaction time	0.140	interval				11.9		# of strides	11.30	11.85
wind	-0.8 m/s	velocity		8.85		8.44	8.64		8.85	8.44
Carter, Antonette (USA) (1984)										
FINAL	- 2005 USATF National Championships (Carson, CA)									
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
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)										
Heat 3	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	0.5 m/s	velocity	7.85	9.52	9.01	8.36	8.64	101.0	8.61	8.67
Samuel, Jamile (NED) (1992)										
FINAL	- 2019 Weltklasse (Zürich, SUI)									
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
wind	-0.4 m/s	velocity	7.69	9.62	9.09	8.40	8.64	102.0	8.55	8.73

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

Ray, Shannon (USA) (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	6.5	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)			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	6.44	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)			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		11.74		23.15	23.15	3 / 3 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	
Trandenkova, Marina (RUS) (1967)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1997 European Cup (Munich, GER)											
Jung (2003) - http://www.fgs.uni-halle.de											
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	
Morrison, Natasha (JAM) (1992)			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	6.4	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)			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	6.45	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)											
Seiko Timing (2023) - world championship race analysis											
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	
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)											
USATF Women's Sprint Development with HPC (2008)											
date	04-Jul-08	time	6.50	11.79	17.28	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	9.11	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)											
Butler (2013) - IAAF world championships statistics handbook- moscow 2013											
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)											
Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020											
date	03-Oct-20	time	6.46	11.74	17.22	23.17	23.17	7 / 1			
reaction time	0.154	interval		5.28	5.48	5.95	PB	# of strides	11.74	11.43	0.31
wind	-0.1 m/s	velocity	7.74	9.47	9.12	8.40	8.63	98.5	8.52	8.75	
Zhirova, Marina (URS) (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-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	17.17	23.18	23.18	/ 5			
reaction time	0.122	interval		5.21	5.55	6.01		# of strides	11.62	11.56	0.06
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)											
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
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)											
<i>USATF Women's Sprint Development (2005)</i>											
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)											
<i>Omega Timing (2023) - continental tour race analysis</i>											
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	
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)											
<i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
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)											
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
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		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)											
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
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		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)											
<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
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)											
<i>Pascua (1990) - atletismo (I) carreras y marcha</i>											
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)										
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	2.0 m/s	velocity	7.65	9.65	8.99	8.45	8.62		8.53	8.71
Lee, Muna (USA) (1981)										
A FINAL - 2013 Windsprint (Sundsvall, SWE)										
(2013) - www.ssg.se/windsprint/Splittider/										
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
wind	1.6 m/s	velocity		8.36	9.17	8.64	8.62		8.36	8.90
Chand, Dutee (IND) (1996)										
FINAL - 2018 Asian Games (Jakarta, INA)										
Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018										
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
wind	-0.7 m/s	velocity	7.84	9.47	9.06	8.31	8.62	106.0	8.58	8.67
Merry, Katharine (GBR) (1974)										
FINAL - 2001 European Cup (Bremen, GER)										
Graubner (2007) - http://www.fgs.uni-halle.de										
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
wind	0.3 m/s	velocity	7.69	9.54	9.09	8.38	8.62		8.52	8.72
Jeter, Carmelita (USA) (1979)										
Heat 4 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	1.2 m/s	velocity	7.70	9.38	9.24	8.36	8.62		8.46	8.78
Anderson, Alexandria (USA) (1987)										
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	-0.1 m/s	velocity	7.85	9.45	9.19	8.18	8.62		8.58	8.66
Fukushima, Chisato (JPN) (1988)										
Heat 7 - 2016 Olympic Games (Rio de Janeiro, BRA)										
(2016.08.15) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en										
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
wind	0.5 m/s	velocity		8.73		8.51	8.62		8.73	8.51
Palframan, Justine (RSA) (1993)										
Semi-Final 1 - 2017 IAAF World Championships (London, GBR)										
Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m										
date	10-Aug-17	time		11.62	17.08	23.05	23.21	2 / 7		
reaction time	0.146	interval			5.46	5.97		# of strides	11.62	11.43
wind	-0.2 m/s	velocity		8.61	9.16	8.38	8.62	100.0	8.61	8.75
Strachan, Anthonique (BAH) (1993)										
Semi-Final 1 - 2017 IAAF World Championships (London, GBR)										
Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m										
date	10-Aug-17	time		11.69	17.17	23.00	23.21	9 / 8		
reaction time	0.207	interval			5.48	5.83		# of strides	11.69	11.31
wind	-0.2 m/s	velocity		8.55	9.12	8.58	8.62	88.3	8.55	8.84
Belimbasaki, Maria (GRE) (1991)										
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		11.51	17.01	23.01	23.21	8 / 5		
reaction time	0.202	interval			5.50	6.00		# of strides	11.51	11.50
wind	-0.2 m/s	velocity		8.69	9.09	8.33	8.62	98.6	8.69	8.70
Kotwila, Martyna (POL) (1999)										
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)										
Koyama (2018) - research on athlete performance and technique- 2018 data book										
date	14-Jul-18	time	6.57	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
wind	-0.1 m/s	velocity	7.61	9.33	9.21	8.55	8.62		8.38	8.87

Kirkland, Jayla (USA) (1999)										
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)										
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
wind	-0.1 m/s	velocity	7.52	9.47	9.23	8.53	8.62		8.38	8.87
Connolly, Ella (AUS) (2000)										
FINAL - 2022 Commonwealth Games (Birmingham, GBR)										
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
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)										
FINAL - 2022 Commonwealth Games (Birmingham, GBR)										
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
wind	0.6 m/s	velocity	7.69	9.62	9.26	8.18	8.62	85.5	8.55	8.69
Nestoret, Maguy (FRA) (1969)										
FINAL - 1991 European Cup (Frankfurt, GER)										
date	30-Jun-91	time		11.74		23.22	23.22	/ 3		
reaction time		interval				11.48		# of strides	11.74	11.48
wind	-3.4 m/s	velocity		8.52		8.71	8.61		8.52	8.71
McCorory, Francena (USA) (1988)										
FINAL - 2005 USATF National Junior Championships (Carson, CA)										
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
wind	0.6 m/s	velocity		8.50	8.99	8.47	8.61		8.50	8.73
Lucas, Porscha (USA) (1988)										
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)										
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
wind	0.9 m/s	velocity	7.53	9.88	9.09	8.31	8.61		8.55	8.68
Jones, Hayley (GBR) (1988)										
FINAL - 2012 Windsprint (Sundsvall, SWE)										
date	17-Jun-12	time		11.75		23.22	23.22	/ 1		
reaction time		interval				11.47		# of strides	11.75	11.47
wind	2.2 m/s	velocity		8.51		4.31	8.61		8.51	8.72
Williams, Christania (JAM) (1994)										
A FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time		11.81		23.22	23.22	4 / 1		
reaction time		interval				11.41		# of strides	11.81	11.41
wind	2.7 m/s	velocity		8.47		8.76	8.61		8.47	8.76
Nelson, Ashleigh (GBR) (1991)										
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)										
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
wind	-0.1 m/s	velocity		8.52		8.71	8.61	95.2	8.52	8.71
Beecher, Jacinta (AUS) (1998)										
Heat 6 - 2022 World Athletics Championships (Eugene, OR)										
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
wind	1.9 m/s	velocity		8.61		8.61	8.61	95.0	8.61	8.61
García, Yunisleydis (CUB) (1999)										
Heat 1 - 2023 World Athletics Championships (Budapest, HUN)										
date	23-Aug-23	time		11.67		23.22	23.22	6 / 6		
reaction time	0.161	interval				11.55		# of strides	11.67	11.55
wind	-0.4 m/s	velocity		8.57		8.66	8.61	97.5	8.57	8.66

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

Renzhina, Yekaterina (RUS) (1994)		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	6.42	11.72	17.32	23.23	23.23	1 / 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	3 / 5	8.53	8.69	
Fukushima, Chisato (JPN) (1988)		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	6.40	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	
Rockmeier, Gabi (GER) (1973)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 1 - 2002 European Championships (Munich, GER)						<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	1 / 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)		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	6.69	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)		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	6.35	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		8.67	8.54	
Hooper, Gloria (ITA) (1992)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2013 European U23 Championships (Tampere, FIN)						<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)		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		11.42	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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)						<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)		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		11.68		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	
Sheehy, Ciara (IRL) (1980)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Heat 1 - 2002 European Championships (Munich, GER)						<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	1 / 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)		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	6.53	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		8.50	8.70	

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

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)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
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		8.61	8.59	
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)						Kyohei (2012) - run performance of the 2011 world & japanese top 200m sprinters					
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)						Feher (2013) - Final report men's & women's Czech Republic national champs					
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	
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)						Omega Timing (2021) - diamond league race analysis					
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)						Timing by Seiko (2022) - world athletics championships race analysis					
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	
Pelham, Shaunta (USA) (1970)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)						USATF Women's Sprint Development (2004)					
date	17-Jul-04	time	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		8.54	8.66	
Al-Gasara, Rakia (BRN) (1982)		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	6.54	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		8.51	8.69	
Lee, Muna (USA) (1981)		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		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)		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	6.49	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
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)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
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		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)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
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		8.55	8.64	

Wei Yongli (CHN) (1991)										
FINAL	- 2018 Asian Games (Jakarta, INA)									
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
wind	-0.7 m/s	velocity	7.85	9.49	8.99	8.24	8.59	97.5	8.59	8.60
										0.01
Liang Xiaojing (CHN) (1997)										
Heat 4	- 2021 Chinese National Championships (Chongqing, CHN)									
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
wind	0.5 m/s	velocity	8.22	8.50	9.06	8.64	8.59	104.0	8.36	8.84
										0.65
Junk, Sophia (GER) (1999)										
Heat 2	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	-0.2 m/s	velocity		8.58		8.61	8.59	101.0	8.58	8.61
										0.05
Connolly, Ella (AUS) (2000)										
Heat 5	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	0.9 m/s	velocity		8.61		8.58	8.59	95.0	8.61	8.58
										-0.03
Walton, Sue (USA) (1972)										
FINAL	- 1995 USATF National Championships (Sacramento, CA)									
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
wind	2.3 m/s	velocity	7.75	9.42	9.03	8.36	8.59		8.50	8.68
										0.24
Feagin, Zundra (USA) (1973)										
FINAL	- 1995 USATF National Championships (Sacramento, CA)									
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
wind	2.3 m/s	velocity	7.81	9.38	9.06	8.29	8.59		8.53	8.66
										0.18
Jones, Brittany (USA) (1989)										
FINAL	- 2005 USATF National Junior Championships (Carson, CA)									
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
wind	0.6 m/s	velocity		8.47	9.01	8.43	8.59		8.47	8.71
										0.32
Anderson, Alexandria (USA) (1987)										
Quarter-Final 2	- 2008 USA Olympic Trials (Eugene, OR)									
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
										0.34
Zaytseva, Olga (RUS) (1984)										
Heat 3	- 2009 IAAF World Championships (Berlin, GER)									
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		8.50	8.68
										0.24
Hjelmer, Moa (SWE) (1990)										
A FINAL	- 2013 Windsprint (Sundsvall, SWE)									
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
										0.54
van Hünenstijn, Marije (NED) (1995)										
FINAL	- 2021 Bauhaus Galan (Stockholm, SWE)									
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
										0.72

Vervae, Imke (BEL) (1993)			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	6.6	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	0.52
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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Prefontaine Classic (Eugene, OR)											
Omega Timing (2022) - diamond league race analysis											
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	-0.12
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)			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		11.93		23.28	23.28	1 / 5			
reaction time	0.136	interval				11.35		# of strides	11.93	11.35	0.58
wind	1.1 m/s	velocity		8.38		8.81	8.59	100.2	8.38	8.81	
Dia Longo, Fabé (FRA) (1977)			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	6.56	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	0.27
wind	0.3 m/s	velocity	7.62	9.58	9.03	8.38	8.59		8.49	8.69	
Danois, Johanna (FRA) (1987)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2009 IAAF World Championships (Berlin, GER)											
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships											
date	19-Aug-09	time	6.49	11.73	17.24	23.29	23.29	8 / 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		8.53	8.65	
Freeman, Emily (GBR) (1980)			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		11.62	17.19	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)			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	6.26	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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)											
Omega Timing (2022) - diamond league race analysis											
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	
Onyali, Mary (NGR) (1968)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)											
Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints											
date	19-Jul-86	time		11.82	17.17	23.30	23.30	1 / 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	
Halkiá, Faní (GRE) (1979)			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		11.85	17.33	23.30	23.30	1 / 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)			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		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)									
date	13-Sep-08	time	6.47	11.79	17.31	23.30	23.30	2 / 6		
reaction time	0.185	interval		5.32	5.52	5.99		# of strides	11.79	11.51
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)									
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)									
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
Krabbe, Katrin (GDR) (1969)										
FINAL	- 1986 IAAF World Junior Championships (Athens, GRE)									
date	19-Jul-86	time		11.56	17.27	23.31	23.31	1 / 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)									
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)									
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)									
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)									
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
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)									
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
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)									
date	30-Jun-22	time	6.31	11.49	17.04	23.31	23.31	3 / 5		
reaction time	0.152	interval		5.18	5.55	6.27		# of strides	11.49	11.82
wind	0.1 m/s	velocity	7.92	9.65	9.01	7.97	8.58	103.7	8.70	8.46
Odiog, Ofonime (BRN) (1997)										
Semi-Final 2	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	1.4 m/s	velocity		8.53		8.64	8.58	98.0	8.53	8.64

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DV=Drug Violation

Tabakova, Yuliya (RUS) (1980)			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	6.45	11.70	17.32	23.32	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)			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	6.66	11.96	17.40	23.32	23.32	2 / 7 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	
Neumiarzhyskaya, Alena (BLR) (1980)			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		11.63	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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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
wind	2.2 m/s	velocity		8.38		4.29	8.58		8.38	8.79	
Williams, Jodean (JAM) (1993)			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	17.08	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)			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	6.60	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)			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	6.57	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)			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		11.74		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	
Anliker-Aebi, Regula (SUI) (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	6.55	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)			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	6.45	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)			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	6.55	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	

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Anim, Vida (GHA) (1983)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 5 - 2009 IAAF World Championships (Berlin, GER)							Graubner (2009) - biomechanical analyses at the 12th IAAF world championships				
date	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		8.59	8.55	
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	
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		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		8.51	8.63	
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	
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
wind	0.0 m/s	velocity	7.68	9.56	8.96	8.29	8.57		8.52	8.61	

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Soumaré, Myriam (FRA) (1986)										
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	17.26	23.35	23.35	4 / 2		
reaction time		interval		5.25	5.59	6.09		# of strides	11.67	11.68
wind	2.6 m/s	velocity	7.79	9.52	8.94	8.21	8.57		8.57	8.56
Fukushima, Chisato (JPN) (1988)										
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	17.19	23.35	23.35	4 / 1		
reaction time	0.176	interval		5.24	5.58	6.16		# of strides	11.61	11.74
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)										
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
wind	1.9 m/s	velocity		8.50		8.63	8.57	102.2	8.50	8.63
Burkett, Aspen (USA) (1976)										
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
wind	-0.5 m/s	velocity		8.31	9.21	8.47	8.56		8.31	8.83
Safronnikova, Natallia (BLR) (1973)										
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	17.38	23.36	23.36	/ 4		
reaction time		interval		5.30	5.51	5.98		# of strides	11.87	11.49
wind	-0.2 m/s	velocity	7.61	9.43	9.07	8.36	8.56		8.42	8.70
Maduaka, Joice (GBR) (1973)										
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	17.44	23.36	23.36	1 / 6		
reaction time		interval		5.40	5.58	5.92		# of strides	11.86	11.50
wind	0.5 m/s	velocity	7.74	9.26	8.96	8.45	8.56		8.43	8.70
Cole, Leslie (USA) (1987)										
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	17.37	23.36	23.36	8 / 5		
reaction time		interval		5.25	5.43	5.99	PB	# of strides	11.94	11.42
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)					<i>Omega Timing (2022) - diamond league race analysis</i>				
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
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)					<i>Seiko Timing (2023) - world championship race analysis</i>				
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
wind	-0.4 m/s	velocity		8.42		8.71	8.56	99.0	8.42	8.71
Bikar, Alenka (SLO) (1974)										
FINAL	- 2002 European Championships (Munich, GER)					<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
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
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)					<i>USATF Women's Sprint Development (2003)</i>				
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
wind	-1.5 m/s	velocity	7.59	9.23	9.16	8.47	8.56		8.33	8.80

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

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
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
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
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
wind	0.1 m/s	velocity	7.85	9.49	8.93	8.16	8.56		8.59	8.53
Henriksson, Julia (SWE) (2000)										
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	6.45	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
wind	-0.6 m/s	velocity	7.75	9.42	9.04	8.22	8.56	97.0	8.50	8.61
Knight, Natalie (USA) (1986)										
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	6.59	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
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)										
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	6.50	11.76	17.33	23.38	23.38	3 / 4 5		
reaction time	0.176	interval		5.26	5.57	6.05		# of strides	11.76	11.62
wind	0.0 m/s	velocity	7.69	9.51	8.98	8.26	8.55		8.50	8.61
Lloyd, Joella (ANT) (2002)										
Semi-Final 3 - 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		11.86	23.38	23.38	23.38	1 / 8		
reaction time	0.190	interval			11.52			# of strides	11.86	11.52
wind	-0.1 m/s	velocity		8.43	8.68	8.55		100.5	8.43	8.68
Gogi-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	
Seiko Timing (2023) - world championship race analysis										
date	23-Aug-23	time		12.06	23.38	23.38	23.38	3 / 5		
reaction time	0.167	interval			11.32			# of strides	12.06	11.32
wind	-0.4 m/s	velocity		8.29	8.83	8.55		96.5	8.29	8.83
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	
USATF Women's Sprint Development (1996)										
date	22-Jun-96	time		11.88	17.29	23.39	23.39	7 / 6		
reaction time		interval			5.41	6.10		# of strides	11.88	11.51
wind	-0.5 m/s	velocity		8.42	9.24	8.20	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	
Graubner (2009) - http://www.fgs.uni-halle.de										
date	09-Aug-02	time	6.57	11.87	17.39	23.39	23.39	1 / 7		
reaction time	0.163	interval		5.30	5.52	6.00		# of strides	11.87	11.52
wind	0.0 m/s	velocity	7.61	9.43	9.06	8.33	8.55		8.42	8.68

Lilja, Lisa (SWE) (1996)			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	6.6	11.8	17.4	23.39	23.39	8 / 7			
reaction time	0.155	interval		5.20	5.60	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	
Williams, Angela (USA) (1980)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 1 - 1996 USA Olympic Trials (Sacramento, CA) <i>USATF Women's Sprint Development (1996)</i>											
date	22-Jun-96	time		11.98	17.35	23.40	23.40	2 / 7			
reaction time		interval			5.37	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		8.35	8.76	
Olear, Elizabeth (USA) (1988)			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	11.76	17.33	23.40	23.40	7 / 5			
reaction time		interval		5.12	5.57	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)			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	6.47	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)			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	6.36	11.63	17.24	23.40	23.40	1 / 4			
reaction time	0.164	interval		5.27	5.61	6.16		# of strides	11.63	11.77	-0.14
wind	0.3 m/s	velocity	7.86	9.49	8.91	8.12	8.55		8.60	8.50	
Čechová, Katerína (CZE) (1988)			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	6.43	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)			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	6.30	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)			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		11.48	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)			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		11.63	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)			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	6.5	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	
Dobbin, Beth (GBR) (1994)			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	6.4	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	

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

Atcho, Sarah (SUI) (1995)										
FINAL	- 2019 Athletissima (Lausanne, SUI)									
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
wind	1.0 m/s	velocity	7.69	9.43	9.09	8.18	8.54		8.47	8.61
Omega Timing (2019) - diamond league race analysis										
Huang Guifen (CHN) (1997)										
Heat 2	- 2020 Chinese Olympic Trials (Shaoxing, CHN)									
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
wind	-0.4 m/s	velocity		8.47		8.61	8.54	97.0	8.47	8.61
CAA Hurdle Development (2021)										
Del Ponte, Ajla (SUI) (1996)										
FINAL	- 2022 Bauhaus Galan (Stockholm, SWE)									
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
wind	0.1 m/s	velocity	7.91	9.65	8.90	7.95	8.54	101.0	8.70	8.40
Omega Timing (2022) - diamond league race analysis										
Bazolo, Loréne Dorcas (POR) (1983)										
Heat 2	- 2022 World Athletics Championships (Eugene, OR)									
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
wind	-0.2 m/s	velocity		8.55		8.54	8.54	99.5	8.55	8.54
Timing by Seiko (2022) - world athletics championships race analysis										
Dyer, Tonette (USA) (1982)										
Heat 1	- 2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-0.6 m/s	velocity	7.80	9.45	9.09	8.04	8.54		8.55	8.53
USATF Women's Sprint Development (2004)										
Hall, Monique (USA) (1980)										
Heat 2	- 2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-0.3 m/s	velocity	7.76	9.35	9.09	8.16	8.54		8.48	8.60
USATF Women's Sprint Development (2004)										
Bejnar, Monika (POL) (1981)										
FINAL	- 2007 European Cup (Munich, GER)									
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
wind	-2.0 m/s	velocity		8.50	8.99	8.21	8.54		8.50	8.58
Graubner (2007) - http://www.fgs.uni-halle.de										
Obregón, Darlenis (COL) (1986)										
Heat 1	- 2009 IAAF World Championships (Berlin, GER)									
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
wind	0.3 m/s	velocity	7.63	9.45	9.58	7.86	8.54		8.45	8.64
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
Ográzeanu, Andreea (ROU) (1990)										
Heat 1	- 2009 IAAF World Championships (Berlin, GER)									
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
wind	0.3 m/s	velocity	7.63	9.62	8.99	8.18	8.54		8.51	8.57
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
Myrick, Wylesheia (USA) (1979)										
Quarter-Final 3	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	0.0 m/s	velocity	7.65	9.49	8.98	8.26	8.54		8.47	8.61
USATF Women's Sprint Development with HPC (2008)										
Hurtis-Houairi, Muriel (FRA) (1979)										
FINAL	- 2008 IAAF World Athletics Final (Stuttgart, GER)									
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
wind	0.1 m/s	velocity	7.61	9.65	8.94	8.21	8.54		8.51	8.56
Graubner (2009) - http://www.fgs.uni-halle.de										

Safronova, Olga (KAZ) (1991)										
FINAL	- 2018 Asian Games (Jakarta, INA)									
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
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)										
FINAL	- 2023 Athletissima (Lausanne, SUI)									
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
wind	-0.4 m/s	velocity	7.79	9.51	8.96	8.10	8.54		8.56	8.51
Nkansa, Delphine (BEL) (2001)										
FINAL	- 2023 Memorial van Damme (Brussels, BEL)									
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
wind	0.2 m/s	velocity	7.76	9.43	8.80	8.32	8.54	102.0	8.52	8.55
Floyd, Ebonie (USA) (1983)										
FINAL	- 2003 USATF National Championships (Palo Alto, CA)									
date	22-Jun-03	time	6.61	12.01	17.58	23.44	23.44	1 / 2 7		
reaction time		interval		5.40	5.57	5.86		# of strides	12.01	11.43
wind	0.0 m/s	velocity	7.56	9.26	8.98	8.53	8.53		8.33	8.75
Carter, Antonette (USA) (1984)										
Heat 1	- 2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-0.6 m/s	velocity	7.80	9.28	8.98	8.24	8.53		8.47	8.59
Hall, Monique (USA) (1980)										
Semi-Final 2	- 2004 USA Olympic Trials (Sacramento, CA)									
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
wind	-1.2 m/s	velocity	7.68	9.52	8.99	8.17	8.53		8.50	8.56
Moore, Connie (USA) (1981)										
FINAL	- 2006 USATF National Championships (Indianapolis, IN)									
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
wind	0.3 m/s	velocity	7.67	9.73	9.14	7.92	8.53		8.58	8.49
Lucas, Porscha (USA) (1988)										
Semi-Final 1	- 2008 USA Olympic Trials (Eugene, OR)									
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
wind	-0.1 m/s	velocity	7.59	9.26	9.07	8.42	8.53		8.34	8.73
Fukushima, Chisato (JPN) (1988)										
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)									
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
wind	-0.7 m/s	velocity	7.94	9.51	8.80	8.06	8.53		8.65	8.42
Russell, Carrie (JAM) (1990)										
B FINAL	- 2013 Windsprint (Sundsvall, SWE)									
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
wind	-0.1 m/s	velocity		8.54	8.98	8.12	8.53		8.54	8.53
Kodama, Mei (JPN) (1999)										
FINAL	- 2020 Japanese National Championships (Niigata, JPN)									
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
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	
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)											
USATF Women's Sprint Development (2004)											
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		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)											
USATF Women's Sprint Development with HPC (2008)											
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	
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) Pollitt (2018) - biomechanical report for IAAF World Champs- London 2017- Women's 200m											
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)											
CAA Hurdle Development (2021)											
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)											
CAA Hurdle Development (2021)											
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)											
CAA Hurdle Development (2021)											
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)											
Timing by Seiko (2022) - world athletics championships race analysis											
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)											
Omega Timing (2023) - continental tour race analysis											
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)											
Seiko Timing (2023) - world championship race analysis											
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	

Perry, Nanceen (USA) (1977)										
Semi-Final 2	- 1996 USA Olympic Trials (Atlanta, GA)			USATF Women's Sprint Development (1996)						
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)										
FINAL	- 2016 Japanese National Championships (Nagoya, JPN)			Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad						
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
wind	1.8 m/s	velocity	7.70	9.51	8.96	8.16	8.53		8.51	8.54
Wei Yongli (CHN) (1991)										
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	6.49	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
wind	0.2 m/s	velocity	7.70	9.60	8.91	8.13	8.53		8.55	8.50
Kong Lingwei (CHN) (1995)										
Heat 1	- 2020 Chinese Olympic Trials (Shaoxing, CHN)			CAA Hurdle Development (2021)						
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
wind	-0.2 m/s	velocity		8.49	9.11	8.08	8.53	102.0	8.49	8.56
Kodama, Mei (JPN) (1999)										
FINAL	- 2021 Japanese National Championships (Osaka, JPN)			Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season						
date	27-Jun-21	time	6.51	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
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)										
Heat 4	- 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis						
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
wind	0.4 m/s	velocity		8.45		8.61	8.53	193.5	8.45	8.61
Hulls, Georgia (NZL) (1999)										
Heat 6	- 2022 World Athletics Championships (Eugene, OR)			Timing by Seiko (2022) - world athletics championships race analysis						
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
wind	1.9 m/s	velocity		8.52		8.53	8.53	97.5	8.52	8.53
Jones, Esther (USA) (1969)										
Semi-Final 1	- 1996 USA Olympic Trials (Atlanta, GA)			USATF Women's Sprint Development (1996)						
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
wind	-0.5 m/s	velocity		8.33	9.21	8.28	8.52		8.33	8.72
Sheehy, Ciara (IRL) (1980)										
Semi-Final 1	- 2002 European Championships (Munich, GER)			Graubner (2009) - http://www.fgs.uni-halle.de						
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
wind	1.0 m/s	velocity	7.60	9.47	8.96	8.29	8.52		8.43	8.61
Layne, Lynne (USA) (1988)										
Heat 3	- 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)						
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
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)										
FINAL	- 2017 Seiko Golden Grand Prix (Kawasaki, JPN)			Takahashi (2017) - 200m running performance analysis in the 2017 season						
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
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)										
FINAL	- 2021 Chinese National Championships (Chongqing, CHN)									
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	
CAA Hurdle Development (2021)										
Sulyán, Alexa (HUN) (2005)										
Heat 3	- 2023 World Athletics Championships (Budapest, HUN)									
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	
Seiko Timing (2023) - world championship race analysis										
Mashova, Ekaterina (BUL) (1974)										
Semi-Final 1	- 2002 European Championships (Munich, GER)									
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	
Graubner (2009) - http://www.fgs.uni-halle.de										
Liang Xiaojing (CHN) (1997)										
FINAL	- 2021 Chinese National Championships (Chongqing, CHN)									
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	
CAA Hurdle Development (2021)										
Hjelmer, Moa (SWE) (1990)										
FINAL	- 2021 Bauhaus Galan (Stockholm, SWE)									
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	8.33	8.71	
Omega Timing (2021) - diamond league race analysis										
Johnson-Thompson, Katarina (GBR)										
Heptathlon - Heat 3	- 2023 World Athletics Championships (Budapest, HUN)									
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	
Seiko Timing (2023) - world championship race analysis										
Pulkkinen, Aino (FIN) (1998)										
Heat 1	- 2023 World Athletics Championships (Budapest, HUN)									
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
wind	-0.4 m/s	velocity	8.40		8.64	8.52	97.0	8.40	8.64	
Seiko Timing (2023) - world championship race analysis										
Mayo, Treshell (USA) (1974)										
Semi-Final 2	- 1996 USA Olympic Trials (Atlanta, GA)									
date	22-Jun-96	time	11.89	17.46	23.49	23.49	1 / 6			
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	
USATF Women's Sprint Development (1996)										
Hastings, Natasha (USA) (1986)										
Heat 3	- 2008 USA Olympic Trials (Eugene, OR)									
date	04-Jul-08	time	6.67	11.91	17.50	23.49	23.49	7 / 6		
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	8.40	8.64	
USATF Women's Sprint Development with HPC (2008)										
Floyd, Ebonie (USA) (1983)										
Heat 4	- 2008 USA Olympic Trials (Eugene, OR)									
date	04-Jul-08	time	6.60	11.91	17.40	23.49	23.49	7 / 2		
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	
USATF Women's Sprint Development with HPC (2008)										
Pointet, Léonie (SUI) (2001)										
FINAL	- 2021 Athletissima (Lausanne, SUI)									
date	26-Aug-21	time	6.5	11.9	17.5	23.49	23.49	2 / 6		
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
Omega Timing (2021) - diamond league race analysis										

Niederberfer, Julia (SUI) (2000)			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	6.5	11.8	17.3	23.49	23.49	6 / 2			
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	
Tsuruta, Remi (JPN) (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		12.06		23.49	23.49	5 / 6			
reaction time	0.157	interval				11.43		# of strides	12.06	11.43	0.63
wind	-0.3 m/s	velocity		8.29		8.75	8.51	99.0	8.29	8.75	
Dia Longo, Fabé (FRA) (1977)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2002 European Championships (Munich, GER)											
Graubner (2009) - http://www.fgs.uni-halle.de											
date	09-Aug-02	time	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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)											
USATF Women's Sprint Development (2004)											
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		8.59	8.43	
Young, Jessica (USA) (1987)			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	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)			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	6.41	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)			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	6.70	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	
Huang Guifen (CHN) (1997)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 4 - 2021 Chinese National Championships (Chongqing, CHN)											
CAA Hurdle Development (2021)											
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
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	
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)									
Heat 2	- 2022 World Athletics Championships (Eugene, OR)								
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)									
Heat 3	- 2023 World Athletics Championships (Budapest, HUN)								
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	
Perry, Nanceen (USA) (1977)									
FINAL	- 1996 USATF National Junior Championships (Delaware, OH)								
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
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)								
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
wind	-0.7 m/s	velocity	7.74	9.36	8.76	8.32	8.50	104.0	8.47
Kortetmaa, Annlina (FIN) (1995)									
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)								
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	
Rosolová, Denisa (CZE) (1986)									
FINAL	- 2012 Great CityGames (Manchester, GBR) (200m straightaway)								
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	
Safronova, Olga (KAZ) (1991)									
FINAL	- 2019 Athletissima (Lausanne, SUI)								
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
wind	1.0 m/s	velocity	7.69	9.43	9.09	8.03	8.50	96.5	8.47
Huang Guifen (CHN) (1997)									
FINAL	- 2020 Chinese Olympic Trials (Shaoxing, CHN)								
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)									
Heat 3	- 2022 World Athletics Championships (Eugene, OR)								
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)									
FINAL	- 2023 Athletissima (Lausanne, SUI)								
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
wind	-0.4 m/s	velocity	7.78	9.45	8.87	8.10	8.50	8.53	8.47
Williams, Sa'de (USA) (1989)									
FINAL	- 2006 USATF National Junior Championships (Indianapolis, IN)								
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
wind	0.9 m/s	velocity	7.53	9.35	8.94	8.39	8.50	8.34	8.66

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DV=Drug Violation

Wilson, Latonia (USA) (1984)										
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	1.3 m/s	velocity	7.62	9.33	9.07	8.18	8.50		8.39	8.61
Fukushima, Chisato (JPN) (1988)										
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)										
Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015										
date	18-Apr-15	time	6.34	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
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)										
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		11.53	17.15	23.39	23.54	2 / 7		
reaction time	0.148	interval			5.62	6.24		# of strides	11.53	11.86
wind	-0.2 m/s	velocity		8.67	8.90	8.01	8.50	98.0	8.67	8.43
Huang Guifen (CHN) (1997)										
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	6.58	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
wind	0.2 m/s	velocity	7.60	9.51	8.88	8.24	8.50		8.45	8.55
Hastings, Natasha (USA) (1986)										
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
date	05-Jul-08	time	6.52	11.79	17.53	23.55	23.55	3 / 5		
reaction time		interval		5.27	5.74	6.02		# of strides	11.79	11.76
wind	1.6 m/s	velocity	7.67	9.49	8.71	8.31	8.49		8.48	8.50
Lewis, Mechelle (USA) (1980)										
Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)										
USATF Women's Sprint Development with HPC (2008)										
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
wind	-1.3 m/s	velocity	7.97	9.11	9.16	7.90	8.49		8.50	8.48
Junk, Sophia (GER) (1999)										
FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)										
Koyama (2018) - research on athlete performance and technique- 2018 data book										
date	14-Jul-18	time	6.67	12.07	17.59	23.55	23.55	1 / 6 5		
reaction time	0.177	interval		5.40	5.52	5.96		# of strides	12.07	11.48
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)										
Koyama (2018) - research on athlete performance and technique- 2018 data book										
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
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)										
Timing by Seiko (2022) - world athletics championships race analysis										
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
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)										
Seiko Timing (2023) - world championship race analysis										
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
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)										
USATF Women's Sprint Development (2004)										
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
wind	-0.3 m/s	velocity	7.85	9.45	8.96	7.91	8.49		8.58	8.40

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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	
USATF Women's Sprint Development with HPC (2008)										
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	
Jalava (2012) - www.tilastopaja.org										
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		
Gravergaard, Mette (DEN) (1995)										
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	23.56	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	
Seiko Timing (2023) - world championship race analysis										
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		
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	
USATF Women's Sprint Development with HPC (2008)										
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	
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	
(2015) - www.windsprint/Splittider/										
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	
Swiss Athletics (2016) - sprint and hurdle analysis										
date 21-May-16	time 11.80	17.43	23.57	23.57	23.57	1 / 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	
Omega Timing (2022) - diamond league race analysis										
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		
de Angeli, Virna (ITA) (1976)										
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 6.68	12.04	17.55	23.58	23.58	1 / 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	
USATF Women's Sprint Development (2004)										
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		8.56	8.40		
Mitchell, A'Keyia (USA) (1995)										
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 11.74			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)									
date	13-Jun-21	time			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	
CAA Hurdle Development (2021)										
Sevilla, Paula (ESP) (1997)										
FINAL	- 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)									
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
wind	0.8 m/s	velocity	7.60	9.24	8.98	8.31	8.48		8.34	8.63
Omega Timing (2023) - diamond league race analysis										
Pointet, Léonie (SUI) (2001)										
FINAL	- 2023 Athletissima (Lausanne, SUI)									
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
wind	-0.4 m/s	velocity	7.76	9.36	8.83	8.14	8.48		8.49	8.47
Omega Timing (2023) - diamond league race analysis										
Khabarova, Irina (RUS) (1966)										
Semi-Final 1	- 2002 European Championships (Munich, GER)									
date	09-Aug-02	time	6.47	11.80	17.37	23.59	23.59	1 / 7		
reaction time	0.187	interval		5.33	5.57	6.22		# of strides	11.80	11.79
wind	1.0 m/s	velocity	7.73	9.38	8.98	8.04	8.48		8.47	8.48
Graubner (2009) - http://www.fgs.uni-halle.de										
Ichikawa, Kana (JPN) (1991)										
FINAL	- 2017 Seiko Golden Grand Prix (Kawasaki, JPN)									
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
wind	0.6 m/s	velocity	7.63	9.33	8.93	8.22	8.48	99.2	8.40	8.56
Takahashi (2017) - 200m running performance analysis in the 2017 season										
Anderson, Shani (GBR) (1975)										
Semi-Final 1	- 2002 European Championships (Munich, GER)									
date	09-Aug-02	time	6.59	11.88	17.49	23.60	23.60	1 / 8		
reaction time	0.145	interval		5.29	5.61	6.11		# of strides	11.88	11.72
wind	1.0 m/s	velocity	7.59	9.45	8.91	8.18	8.47		8.42	8.53
Graubner (2009) - http://www.fgs.uni-halle.de										
Tschirch, Cathleen (GER) (1979)										
FINAL	- 2007 European Cup (Munich, GER)									
date	24-Jun-07	time		11.85	17.51	23.60	23.60	1 / 7		
reaction time	0.148	interval			5.66	6.09		# of strides	11.85	11.75
wind	-2.0 m/s	velocity		8.44	8.83	8.21	8.47		8.44	8.51
Graubner (2007) - http://www.fgs.uni-halle.de										
Townsend, Tiffany (USA) (1989)										
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)									
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
wind	-2.4 m/s	velocity		8.26	9.06	8.38	8.47		8.26	8.70
USATF Women's Sprint Development with HPC (2008)										
Saito, Ami (JPN) (1999)										
FINAL	- 2016 Japanese National High School Championships (Okayama, JPN)									
date	01-Aug-16	time	6.02	11.83	17.46	23.60	23.60	5 / 1		
reaction time	0.156	interval		5.81	5.63	6.14		# of strides	11.83	11.77
wind	1.2 m/s	velocity	8.31	8.61	8.88	8.14	8.47		8.45	8.50
Kota (2016) - 69th high school championships: JAF scientific committee										
Sedney, Zoë (NED) (2001)										
FINAL	- 2023 Athletissima (Lausanne, SUI)									
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
wind	-0.4 m/s	velocity	7.82	9.45	8.77	8.04	8.47		8.56	8.39
Omega Timing (2023) - diamond league race analysis										
Bürgi, Céline (SUI) (1999)										
FINAL	- 2023 Athletissima (Lausanne, SUI)									
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
wind	-0.4 m/s	velocity	7.79	9.40	8.83	8.06	8.47		8.52	8.43
Omega Timing (2023) - diamond league race analysis										

Martins, Lorraine (BRA) (2000)									
Heat 2	- 2022 World Athletics Championships (Eugene, OR)								
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	
Smith, Angelique (USA) (1986)									
FINAL	- 2005 USATF National Junior Championships (Carson, CA)								
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)								
date	28-Jul-13	time	12.05	17.62	23.61	23.61	5 / 2		
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)								
date	22-Jun-97	time	6.50	11.74	17.32	23.62	23.62	/ 6	
reaction time		interval		5.24	5.58	6.30	# of strides	11.74	11.88
wind	-0.2 m/s	velocity	7.69	9.54	8.96	7.94	8.47	8.52	-0.14
Pelham, Shaunta (USA) (1978)									
Heat 2	- 2004 USA Olympic Trials (Sacramento, CA)								
date	16-Jul-04	time	6.39	11.75	17.32	23.62	23.62	7 / 5-4	
reaction time		interval		5.36	5.57	6.30	# of strides	11.75	11.87
wind	-0.3 m/s	velocity	7.82	9.33	8.98	7.94	8.47	8.51	-0.12
Ichikawa, Kana (JPN) (1991)									
FINAL	- 2011 Japanese National Championships (Kumagaya, JPN)								
date	12-Jun-11	time	6.56	11.88	17.54	23.62	23.62	/ 2	
reaction time		interval		5.32	5.66	6.08	# of strides	11.88	11.74
wind	-0.7 m/s	velocity	7.62	9.40	8.83	8.22	8.47	8.42	0.14
Slettum, Elisabeth (NOR) (1986)									
B FINAL	- 2013 Windsprint (Sundsvall, SWE)								
date	28-Jul-13	time	12.10	17.68	23.62	23.62	3 / 3		
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)									
Heptathlon - Heat 2	- 2022 World Athletics Championships (Eugene, OR)								
date	17-Jul-22	time	11.99	23.62	23.62	23.62	2 / 2		
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)								
date	02-Jul-23	time	6.48	11.77	17.35	23.62	23.62	2 / 8	
reaction time	0.178	interval		5.29	5.58	6.27	# of strides	11.77	11.85
wind	-0.6 m/s	velocity	7.72	9.45	8.96	7.97	8.47	8.50	-0.08
Jensen, Christine Bjelland (NOR) (1995)									
Heat 5	- 2023 World Athletics Championships (Budapest, HUN)								
date	23-Aug-23	time	11.93	23.62	23.62	23.62	5 / 7		
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)								
date	17-Sep-23	time	6.44	11.88	17.55	22.62	23.62	1 / 9	
reaction time	0.145	interval		5.44	5.67	5.07	# of strides	11.88	10.74
wind	0.3 m/s	velocity	7.76	9.19	8.82	9.86	8.47	8.42	1.14

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DV=Drug Violation

Whitney, Kaylin (USA) (1998)										
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)										
date	21-May-17	time	6.41	11.79	17.49	23.63	23.63	3 / 6		
reaction time	0.165	interval		5.38	5.70	6.14		# of strides	11.79	11.84
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)										
FINAL - 2017 Japanese National Championships (Osaka, JPN)										
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
wind	-0.2 m/s	velocity	7.67	9.38	8.93	8.09	8.46		8.44	8.49
Li Yuting (CHN) (2002)										
Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)										
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
wind	-0.2 m/s	velocity		8.47	9.12	7.89	8.46	93.0	8.47	8.46
Bokesa, Auri Lorena (ESP) (1988)										
FINAL - 2021 Athletissima (Lausanne, SUI)										
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
wind	2.5 m/s	velocity	7.25	9.26	8.93	8.71	8.46		8.13	8.82
Knight, Bianca (USA) (1989)										
FINAL - 2005 USATF National Junior Championships (Carson, CA)										
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
wind	0.6 m/s	velocity		8.37	8.94	8.18	8.46		8.37	8.55
Hejnová, Zuzana (CZE) (1986)										
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)										
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
wind	0.3 m/s	velocity	7.52	9.35	8.90	8.29	8.46		8.33	8.58
Fukushima, Chisato (JPN) (1988)										
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)										
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
wind	1.1 m/s	velocity	7.78	9.36	8.80	8.06	8.46		8.50	8.42
Tsuruta, Remi (JPN) (1997)										
FINAL - 2021 Japanese National Championships (Osaka, JPN)										
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
wind	-1.0 m/s	velocity	7.59	9.23	8.98	8.24	8.46	98.0	8.33	8.59
Rooks, Cynethia (USA) (1984)										
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)										
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
wind	0.5 m/s	velocity	7.55	9.36	8.94	8.18	8.45	103.5	8.36	8.55
Myrick, Wylesheia (USA) (1979)										
Heat 4 - 2008 USA Olympic Trials (Eugene, OR)										
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
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)										
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
wind	-1.5 m/s	velocity	7.50	9.12	9.09	8.31	8.45		8.23	8.68

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DV=Drug Violation

McLaughlin, Anneisha (JAM) (1986)										
FINAL	- 2008 Windsprint (Sundsvall, SWE)									(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)									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) (200m)									Watanabe (2019) - 72nd high school champs: JAF scientific committee - biomechanics data
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
wind	1.3 m/s	velocity	7.75	9.42	8.88	7.96	8.45	8.50	8.40	-0.15
Wei Yongli (CHN) (1991)										
FINAL	- 2019 Athletissima (Lausanne, SUI)									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
Cox, Crystal (USA) (1979)										
FINAL	- 1996 USATF National Junior Championships (Delaware, OH)									USATF Women's Sprint Development (1996)
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)										
Heat 1	- 2008 USA Olympic Trials (Eugene, OR)									USATF Women's Sprint Development with HPC (2008)
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)										
A FINAL	- 2014 Windsprint (Sundsvall, SWE)									Johansen (2014) - www.ssg.se/windsprint/Splittider/
date	20-Jul-14	time	11.69		23.69	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)										
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)									Ryutaro (2018) - research on athlete performance and technique
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)										
Heat 2	- 2023 World Athletics Championships (Budapest, HUN)									Seiko Timing (2023) - world championship race analysis
date	23-Aug-23	time	12.02		23.69	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)										
FINAL	- 2019 Seiko Golden Grand Prix (Osaka, JPN)									Hirokawa (2019) - research on athlete performance and technique- 2019 data book
date	19-May-19	time	6.34	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)										
FINAL	- 2021 Japanese National Championships (Osaka, JPN)									Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season
date	27-Jun-21	time	6.48	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

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	17.53	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	8.47
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
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
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	6.21	12.17	17.76	23.71	23.71	4 / 1	
reaction time	0.155	interval		5.96	5.59	5.95	# of strides	12.17	11.54
wind	2.2 m/s	velocity	8.05	8.39	8.94	8.40	8.44	8.22	8.67
Tarmoh, Jeneba (USA) (1989)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 USA Olympic Trials (Eugene, OR)									
date	10-Jul-16	time		11.8	23.72	23.72	1 / 8		
reaction time	0.189	interval			11.92		# of strides	11.80	11.92
wind	-0.6 m/s	velocity		8.47	8.39	8.43		8.47	8.39
Jordan, Victoria (USA) (1990)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 USATF National Junior Championships (Columbus, OH)									
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
wind	-2.4 m/s	velocity		8.32	8.93	8.18	8.43	8.32	8.54
Vetter, Anouk (NED) (1993)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)									
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
wind	1.4 m/s	velocity		8.21	8.66	8.43	95.0	8.21	8.66

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	
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	
Broadus, 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	
Takahashi, 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) - 72nd high school champs: JAF scientific committee - biomechanics data											
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)						<i>Omega Timing (2022) - diamond league race analysis</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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	
Jacobs, Simone (GBR) (1966)		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		11.71		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	

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

Iki, Aiko (JPN) (2000)										
FINAL	- 2018 Japanese National High School Championships (Nagoya, JPN)									
date	05-Aug-18	time	6.20	12.08	17.75	23.78	23.78	5 / 1		
reaction time		interval		5.88	5.67	6.03	PB	# of strides	12.08	11.70
wind	0.8 m/s	velocity	8.06	8.50	8.82	8.29	8.41		8.28	8.55
Oishi, Sayaka (JPN) (1991)										
FINAL	- 2020 Japanese National Championships (Niigata, JPN)									
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
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)										
FINAL	- 2022 Bauhaus Galan (Stockholm, SWE)									
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
wind	0.1 m/s	velocity	7.63	9.28	8.82	8.10	8.41	100.0	8.38	8.45
Suchovská, Erika (CZE) (1967)										
FINAL	- 2001 European Cup (Bremen, GER)									
date	24-Jun-01	time	6.64	12.08	17.75	23.79	23.79	/ 8		
reaction time	0.151	interval		5.44	5.67	6.04		# of strides	12.08	11.71
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)									
date	20-May-12	time		11.90		23.79	23.79	4 / 4		
reaction time		interval				11.89		# of strides	11.90	11.89
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)									
date	10-May-15	time	6.60	11.97	17.63	23.79	23.79	1 / 7		
reaction time		interval		5.37	5.66	6.16		# of strides	11.97	11.82
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)									
date	07-Aug-19	time	6.59	11.98	17.61	23.79	23.79	5 / 3		
reaction time		interval		5.39	5.63	6.18	PB	# of strides	11.98	11.81
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)									
date	27-Jun-21	time	6.62	12.05	15.67	23.79	23.79	8 / 4		
reaction time	0.190	interval		5.43	3.62	8.12		# of strides	12.05	11.74
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)									
date	03-Sep-21	time	6.6	11.9	17.7	23.79	23.79	2 / 8		
reaction time	0.204	interval		5.30	5.80	6.09		# of strides	11.90	11.89
wind	0.4 m/s	velocity	7.58	9.43	8.62	8.21	8.41	100.0	8.40	8.41
Williams, Aleah (USA) (1981)										
Semi-Final 3	- 2004 USA Olympic Trials (Sacramento, CA)									
date	17-Jul-04	time	6.39	11.70	17.40	23.80	23.80	3 / 6		
reaction time		interval		5.31	5.70	6.40		# of strides	11.70	12.10
wind	-1.1 m/s	velocity	7.82	9.42	8.77	7.81	8.40		8.55	8.26
Purvis, Ashton (USA) (1992)										
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)									
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
wind	-2.4 m/s	velocity		8.34	8.90	8.08	8.40		8.34	8.47

Maeyama, Miyu (JPN) (1996)										
A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)										
date	03-May-18	time	6.54	11.95	17.62	23.80	23.80	7 / 2		
reaction time	0.187	interval		5.41	5.67	6.18	=PB	# of strides	11.95	11.85
wind	1.1 m/s	velocity	7.65	9.24	8.82	8.09	8.40	96.2	8.37	8.44
Kodama, Mei (JPN) (1999)										
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)										
date	30-Jun-19	time	6.55	11.93	17.60	23.80	23.80	7 / 1		
reaction time	0.158	interval		5.38	5.67	6.20	PB	# of strides	11.93	11.87
wind	-0.4 m/s	velocity	7.63	9.29	8.82	8.06	8.40	101.0	8.38	8.42
Roseby, Hasani (USA) (1982)										
Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)										
date	05-Jul-08	time	6.34	11.90	17.53	23.81	23.81	3 / 6		
reaction time		interval		5.56	5.63	6.28		# of strides	11.90	11.91
wind	-1.3 m/s	velocity	7.89	8.99	8.88	7.96	8.40		8.40	8.40
Fujisawa, Sayaka (JPN) (1991)										
FINAL - 2015 Japanese National Championships (Niigata, JPN)										
date	27-Jun-15	time	6.70	12.10	17.70	23.81	23.81	6 / 2		
reaction time	0.178	interval		5.40	5.60	6.11	PB	# of strides	12.10	11.71
wind	0.1 m/s	velocity	7.46	9.26	8.93	8.18	8.40	102.0	8.26	8.54
Tsuruta, Remi (JPN) (1997)										
Race 2 - 2020 World Athletics Trials (Fuji, JPN)										
date	06-Sep-20	time	6.58	11.95	17.65	23.81	23.81	5 / 1		
reaction time		interval		5.37	5.70	6.16	PB	# of strides	11.95	11.86
wind	-0.7 m/s	velocity	7.60	9.31	8.77	8.12	8.40		8.37	8.43
Onodera, Ayami (JPN) (2003)										
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)										
date	31-Jul-21	time	6.21	12.16	17.78	23.81	23.81	3 / 2		
reaction time	0.157	interval		5.95	5.62	6.03		# of strides	12.16	11.65
wind	2.2 m/s	velocity	8.05	8.40	8.90	8.29	8.40		8.22	8.58
Defreitas, Beyonce (IVB) (2001)										
Heat 5 - 2022 World Athletics Championships (Eugene, OR)										
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
wind	0.9 m/s	velocity		8.40		8.40	8.40	95.0	8.40	8.40
Perkins, Angel (USA) (1984)										
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)										
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
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)										
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
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)										
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
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)										
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
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)								
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
wind	-0.3 m/s	velocity		8.29	8.50	8.40	97.0	8.29	8.50
Katsura, Yuliya (RUS) (1983)									
A FINAL	- 2013 Windsprint (Sundsvall, SWE)								
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
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)								
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
wind	1.1 m/s	velocity		7.54	9.28	8.87	8.10	8.39	8.32
Dobbin, Beth (GBR) (1994)									
FINAL	- 2022 Weltklasse (Zürich, SUI)								
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
wind	-0.9 m/s	velocity		7.66	9.26	8.71	8.12	8.39	8.38
McGrone, Candyce (USA) (1989)									
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)								
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
wind	-2.4 m/s	velocity		8.36	8.91	7.97	8.39	8.36	8.42
Lowery, Santana (USA) (1987)									
Quarter-Final 1	- 2008 USA Olympic Trials (Eugene, OR)								
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
wind	1.6 m/s	velocity		7.67	9.35	8.76	7.99	8.39	8.42
Shi Yarong (CHN) (1996)									
FINAL	- 2019 Chinese World Championships Trials (Shenyang, CHN)								
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	# of strides	11.90
wind	0.2 m/s	velocity		7.61	9.38	8.71	8.06	8.39	8.40
Anderson, Andrea (USA) (1977)									
FINAL	- 1996 USATF National Junior Championships (Delaware, OH)								
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
wind	-1.3 m/s	velocity		7.56	9.35	8.93	7.95	8.39	8.36
Akinyemi, Folake (NOR) (1990)									
FINAL	- 2012 Windsprint (Sundsvall, SWE)								
date	17-Jun-12	time		12.10		23.85	23.85	/ 3	
reaction time		interval				11.75	# of strides	12.10	11.75
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)								
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
wind	0.2 m/s	velocity		7.61	9.51	8.76	7.92	8.39	8.45
Oishi, Sayaka (JPN) (1991)									
FINAL	- 2020 All Japan Corporate Championships (Kumagaya, JPN)								
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	# of strides	12.11
wind	0.6 m/s	velocity		7.49	9.21	8.80	8.25	8.39	8.26

Brooks, Taliyah (USA) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)							Seiko Timing (2023) - world championship race analysis				
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	
Yosypenko, Lyudmyla (UKR) (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	6.67	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		8.33	8.44	
Saito, Ami (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	6.61	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	
Rosa, Vitoria Cristina (BRA) (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		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	
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		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	6.08	12.03	17.75	23.87	23.87	5 / 3			
reaction time	0.150	interval		5.95	5.72	6.12		# of strides	12.03	11.84	0.19
wind	2.2 m/s	velocity	8.22	8.40	8.74	8.17	8.38		8.31	8.45	
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
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)							Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season				
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	

Weissenberg, Sophie (GER) (1997)										
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		
Maeyama, Miyu (JPN) (1996)										
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
wind	-0.2 m/s	velocity	7.72	9.19	8.80	7.95	8.37		8.39	8.35
Aono, Shuri (JPN) (2000)										
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	6.27	12.15	17.76	23.89	23.89	4 / 2		
reaction time		interval		5.88	5.61	6.13		# of strides	12.15	11.74
wind	0.8 m/s	velocity	7.97	8.50	8.91	8.16	8.37		8.23	8.52
Yamagata, Aiha (JPN) (2005)										
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	6.22	12.23	17.90	23.89	23.89	6 / 4		
reaction time	0.187	interval		6.01	5.67	5.99		# of strides	12.23	11.66
wind	2.2 m/s	velocity	8.04	8.32	8.82	8.35	8.37		8.18	8.58
Dokter, Sofie (NED) (2002)										
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		
Grace, Carla (USA) (1986)										
FINAL - 2005 USATF National Junior Championships (Carson, CA)					<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)					<i>(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx</i>					
date	17-Jun-12	time	12.21	23.90	23.90	1 / 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)					<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
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)					<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
wind	2.5 m/s	velocity	7.58	9.26	8.62	8.20	8.37	96.0	8.33	8.40
Fukushima, Chisato (JPN) (1988)										
FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	03-May-17	time	6.44	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
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)					<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
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)				<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 / 2 7	
reaction time	0.169	interval		5.51	5.64	6.11		# of strides	12.16 11.75 0.41
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)				<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)				<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)				<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
Miller, Scottesha (USA) (1988)									
Heat 1	- 2008 USA Olympic Trials (Eugene, OR)				<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	95.0	8.26 8.47
Slettum, Elisabeth (NOR) (1986)									
A FINAL	- 2015 Windsprint (Sundsvall, SWE)				<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)				<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>				
date	21-May-16	time		11.88	17.58	23.92	23.92	1 / 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)				<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
wind	1.1 m/s	velocity	7.45	9.19	8.87	8.16	8.36		8.23 8.50
Davis, Courtne (USA) (1996)									
FINAL	- 2019 The Match - Europe v USA (Minsk, BLR)				<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)				<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)				<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>				
date	05-Aug-18	time	6.20	12.19	17.93	23.93	23.93	6 / 3	
reaction time		interval		5.99	5.74	6.00	PB	# of strides	12.19 11.74 0.45
wind	0.8 m/s	velocity	8.06	8.35	8.71	8.33	8.36		8.20 8.52

Satou, Aoi (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	6.27	12.27	17.93	23.93	23.93	8 / 5			
reaction time	0.177	interval		6.00	5.66	6.00		# of strides	12.27	11.66	0.61
wind	2.2 m/s	velocity	7.97	8.33	8.83	8.33	8.36		8.15	8.58	
Nilsson, Pernilla (SWE) (1992)											
A FINAL - 2014 Windsprint (Sundsvall, SWE)					<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	
Harmon, Donita (USA) (1983)											
FINAL - 2008 Windsprint (Sundsvall, SWE)					<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)					<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	
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>Takahasi (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	
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>Feher (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
wind	0.3 m/s	velocity	7.44	8.61	9.42	8.16	8.34		7.98	8.74	

Atherley, Michelle (USA) (1995)											
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		12.09	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		
Aono, Akari (JPN) (2000)											
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	6.31	12.26	17.86	23.98	23.98	7 / 1			
reaction time	0.158	interval		5.95	5.60	6.12		# of strides	12.26	11.72	0.54
wind	-0.2 m/s	velocity	7.92	8.40	8.93	8.17	8.34		8.16	8.53	
Mimura, Naomi (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	6.80	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)											
Heat 1 - 2021 Chinese National Championships (Chongqing, CHN) <i>CAA Hurdle Development (2021)</i>											
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	
Dorobisz, Iwona (POL) (1980)											
FINAL - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>											
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)											
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	6.74	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)											
B FINAL - 2013 Windsprint (Sundsvall, SWE) <i>(2013) - www.ssg.se/windsprint/Splittider/</i>											
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)											
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	6.32	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)											
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	6.70	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
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)											
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)											
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)										
FINAL	- 2007 Windsprint (Sundsvall, SWE)									(2007) - www.ssg.se/en/Windsprint/Split-times/
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)										
FINAL	- 2010 German National Junior Championships (Ulm, GER)									Graubner (2010) - http://www.fgs.uni-halle.de
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)										
FINAL	- 2016 Japanese National High School Championships (Okayama, JPN)									Kota (2016) - 69th high school championships: JAF scientific committee
date	01-Aug-16	time	6.07	12.04	17.80	24.00	24.00	6 / 2		
reaction time	0.153	interval		5.97	5.76	6.20	PB	# of strides	12.04	11.96
wind	1.2 m/s	velocity	8.24	8.38	8.68	8.06	8.33		8.31	8.36
Tong Zenghuan (CHN) (1995)										
Heat 3	- 2021 Chinese National Championships (Chongqing, CHN)									CAA Hurdle Development (2021)
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
wind	0.9 m/s	velocity	8.03	8.33	8.85	8.17	8.33	99.7	8.18	8.50
Ivery, Lakadron (USA) (1983)										
Semi-Final 2	- 2004 USA Olympic Trials (Sacramento, CA)									USATF Women's Sprint Development (2004)
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
wind	-1.2 m/s	velocity	7.59	9.24	8.80	7.90	8.33		8.33	8.33
Ichikawa, Kana (JPN) (1991)										
FINAL	- 2015 Mikio Oda Memorial (Hiroshima, JPN)									Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015
date	18-Apr-15	time	6.73	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
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)									Takahashi (2017) - 200m running performance analysis in the 2017 season
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
Aoyama, Hanae (JPN) (2002)										
FINAL	- 2020 Japanese U20 National Championships (Hiroshima, JPN)									Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020
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
Davis, Jessica (USA) (1992)										
FINAL	- 2008 USATF National Junior Championships (Columbus, OH)									USATF Women's Sprint Development with HPC (2008)
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	-0.16
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)									Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015
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)									Kota (2018) - 71st high school championships: JAF scientific committee
date	05-Aug-18	time	6.21	12.07	17.82	24.02	24.02	7 / 4		
reaction time		interval		5.86	5.75	6.20	PB	# of strides	12.07	11.95
wind	0.8 m/s	velocity	8.05	8.53	8.70	8.06	8.33		8.29	8.37

Lazraq, Auriana (FRA) (1999)										
Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)										
<i>Seiko Timing (2023) - world championship race analysis</i>										
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	0.52	
wind	-0.1 m/s	velocity	8.15	8.51	8.33	93.5	8.15	8.51		
Uba, Rufina (NGR) (1959)										
FINAL - 1985 World Cup (Canberra, AUS)										
<i>Veney - 200m women from PJ</i>										
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)										
Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)										
<i>USATF Women's Sprint Development (2004)</i>										
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	8.35	8.30	
Ichikawa, Kana (JPN) (1991)										
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	6.62	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
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)										
Race 2 - 2020 World Athletics Trials (Fuji, JPN)										
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>										
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
wind	-0.7 m/s	velocity	7.52	9.28	8.68	8.03	8.32	8.31	8.34	0.05
Ishikawa, Yu (JPN) (2002)										
Race 2 - 2020 World Athletics Trials (Fuji, JPN)										
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>										
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
wind	-0.7 m/s	velocity	7.59	9.28	8.65	7.97	8.32	8.35	8.30	-0.07
Aoyama, Seika (JPN) (1996)										
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)										
<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>										
date	20-Sep-20	time	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
wind	0.6 m/s	velocity	7.42	9.11	8.71	8.25	8.32	8.18	8.47	0.43
Ilieva, Tsvetanka (BUL) (1963)										
FINAL - 1991 European Cup (Frankfurt, GER)										
<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
wind	-3.4 m/s	velocity	8.17		8.47	8.32		8.17	8.47	0.44
Rosolová, Denisa (CZE) (1986)										
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	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
wind	-1.1 m/s	velocity	7.55	9.40	8.71	7.86	8.32	8.38	8.26	-0.16
Saito, Ami (JPN) (1999)										
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	6.56	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
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)										
<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
wind	1.4 m/s	velocity	7.42	9.14	8.77	8.16	8.32	100.5	8.19	8.45

Broadrick, Susanne (AUS) (1968)										
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)									<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)									<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)									<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)									<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	
Procházková, Barbora (CZE) (1991)										
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)										
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	# 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)										
B FINAL	- 2019 Shizuoka International Athletics Meeting (Fukuoka, 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)										
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	# 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)										
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)										
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)										
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	

Miura, Yuna (JPN) (2002)											
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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	0.08
wind	1.3 m/s	velocity	7.59	9.11	8.76	7.95	8.31		8.28	8.33	
Yamada, Miku (JPN) (1999)											
Heat 1 - 2019 Asian Athletics Championships (Doha, QAT)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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	-0.09
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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
date	31-Jul-21	time	6.23	12.23	17.94	24.09	24.09	2 / 6			
reaction time	0.150	interval		6.00	5.71	6.15		# of strides	12.23	11.86	0.37
wind	2.2 m/s	velocity	8.03	8.33	8.76	8.13	8.30		8.18	8.43	
Mimura, Kanami (JPN) (2001)											
FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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	0.42
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)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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	0.10
wind	-0.3 m/s	velocity	7.60	9.06	8.64	8.05	8.30	105.5	8.26	8.33	
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	
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		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	
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	
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	
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	
date	05-Aug-18	time	6.12	12.02	17.85	24.11	24.11	2 / 5			
reaction time		interval		5.90	5.83	6.26		# of strides	12.02	12.09	-0.07
wind	0.8 m/s	velocity	8.17	8.47	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	
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	

Hastings, Natasha (USA) (1986)										
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)										
date	21-Jun-03	time	6.72	12.37	18.02	24.12	24.12	5 / 6	0-100m	100-200m
reaction time		interval		5.65	5.65	6.10	PB	# of strides	12.37	11.75
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)										
date	06-Jul-08	time		12.15	17.89	24.12	24.12	4 / 4	0-100m	100-200m
reaction time		interval			5.74	6.23		# of strides	12.15	11.97
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)										
date	22-Jun-08	time		12.24	17.95	24.12	24.12	5 / 6	0-100m	100-200m
reaction time		interval			5.71	6.17		# of strides	12.24	11.88
wind	-2.4 m/s	velocity		8.17	8.76	8.10	8.29		8.17	8.42
Seidlová, Klára (CZE) (1994)										
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)										
date	16-Jun-13	time	6.67	12.14	17.89	24.12	24.12	2 / 5	0-100m	100-200m
reaction time	0.144	interval		5.47	5.75	6.23		# of strides	12.14	11.98
wind	0.3 m/s	velocity	7.50	9.14	8.70	8.03	8.29		8.24	8.35
Chernova, Tatyana (RUS) (1988)										
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)										
date	15-Aug-09	time	6.73	12.24	17.99	24.13	24.13	1 / 5	0-100m	100-200m
reaction time	0.127	interval		5.51	5.75	6.14		# of strides	12.24	11.89
wind	0.0 m/s	velocity	7.43	9.07	8.70	8.14	8.29		8.17	8.41
Grompe, Katharina (GER) (1993)										
FINAL - 2010 German National Youth Championships (Ulm, GER)										
date	08-Aug-10	time		12.16	17.88	24.13	24.13	1 / 1	0-100m	100-200m
reaction time		interval			5.72	6.25	PB	# of strides	12.16	11.97
wind	-0.2 m/s	velocity		8.22	8.74	8.00	8.29		8.22	8.35
Lysakova, Olga (UKR) (1971)										
FINAL - 1997 European Cup (Munich, GER)										
date	22-Jun-97	time	6.66	12.11	17.86	24.14	24.14	1 / 7	0-100m	100-200m
reaction time		interval		5.45	5.75	6.28		# of strides	12.11	12.03
wind	-0.2 m/s	velocity	7.51	9.17	8.70	7.96	8.29		8.26	8.31
Takahashi, Momoko (JPN) (1988)										
FINAL - 2011 Japanese National Championships (Kumagaya, JPN)										
date	12-Jun-11	time	6.69	12.14	17.97	24.15	24.15	1 / 5	0-100m	100-200m
reaction time		interval		5.45	5.83	6.18		# of strides	12.14	12.01
wind	-0.7 m/s	velocity	7.47	9.17	8.58	8.09	8.28		8.24	8.33
Breen, Melissa (AUS) (1990)										
FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)										
date	03-May-16	time	6.53	11.99	17.81	24.15	24.15	1 / 2	0-100m	100-200m
reaction time		interval		5.46	5.82	6.34		# of strides	11.99	12.16
wind	-1.5 m/s	velocity	7.66	9.16	8.59	7.89	8.28		8.34	8.22
Brennan, Monica (AUS) (1994)										
FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)										
date	03-May-16	time	6.66	12.16	17.91	24.15	24.15	1 / 3	0-100m	100-200m
reaction time		interval		5.50	5.75	6.24		# of strides	12.16	11.99
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)										
date	25-Oct-20	time	6.67	12.21	17.96	24.15	24.15	3 / 1	0-100m	100-200m
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)									
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
Washington, Demetria (USA) (1979)										
FINAL	- 2007 Windsprint (Sundsvall, SWE)									
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)									
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)									
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)									
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)									
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)									
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
Cunningham, Nadia (JAM) (1978)										
FINAL	- 2007 Windsprint (Sundsvall, SWE)									
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)									
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		8.33	8.21
Saito, Rina (JPN) (1997)										
FINAL	- 2018 Japanese National Championships (Yamaguchi, JPN)									
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)									
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

Kageyama, Sakiho (JPN) (2002)										
U20 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)									
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)									
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)									
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
Kozáry, Ágnes (HUN) (1966)										
FINAL	- 1991 European Cup (Frankfurt, GER)									
date	30-Jun-91	time		12.15		24.21	24.21	1 / 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)									
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
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)									
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
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)									
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
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)									
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
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)									
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
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)									
date	31-Jul-21	time	6.31	12.36	18.07	24.21	24.21	1 / 7		
reaction time	0.223	interval		6.05	5.71	6.14		# of strides	12.36	11.85
wind	2.2 m/s	velocity	7.92	8.26	8.76	8.14	8.26		8.09	8.44
Pähler, Stefanie (GER) (1993)										
FINAL	- 2010 German National Youth Championships (Ulm, GER)									
date	08-Aug-10	time		12.48	18.15	24.22	24.22	1 / 2		
reaction time		interval			5.67	6.07	PB	# of strides	12.48	11.74
wind	-0.2 m/s	velocity		8.01	8.82	8.24	8.26		8.01	8.52

Nobayashi, Yumi (JPN) (1995)										
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)	50m	100m	150m	200m	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	PB	# 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)	50m	100m	150m	200m	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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
date 08-Sep-89	time 12.22	18.06	24.25	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		

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

Yanagiya, Tomomi (JPN) (1999)										
FINAL	- 2018 Japanese National Junior (U20) Championships (Nagano, JPN)									
date	21-Oct-18	time	6.73	12.17	17.92	24.25	24.25			
reaction time	0.169	interval		5.44	5.75	6.33		# of strides	12.17	12.08
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)									
date	20-Oct-19	time	6.65	12.10	17.97	24.25	24.25			
reaction time	0.177	interval		5.45	5.87	6.28		# of strides	12.10	12.15
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)										
FINAL	- 2021 Japanese U20 National Championships (Osaka, JPN)									
date	27-Jun-21	time	6.80	12.45	18.15	24.25	24.25			
reaction time	0.190	interval		5.65	5.70	6.10	PB	# of strides	12.45	11.80
wind	-0.4 m/s	velocity	7.35	8.85	8.77	8.20	8.25	105.7	8.03	8.47
Maeyama, Miyu (JPN) (1996)										
FINAL	- 2016 Japanese National Championships (Nagoya, JPN)									
date	26-Jun-16	time	6.53	12.00	17.80	24.26	24.26			
reaction time		interval		5.47	5.80	6.46		# of strides	12.00	12.26
wind	1.8 m/s	velocity	7.66	9.14	8.62	7.74	8.24		8.33	8.16
Haase, Rebekka (GER) (1993)										
FINAL	- 2010 German National Youth Championships (Ulm, GER)									
date	08-Aug-10	time		12.48	18.16	24.27	24.27			
reaction time		interval			5.68	6.11	PB	# of strides	12.48	11.79
wind	-0.2 m/s	velocity		8.01	8.80	8.18	8.24		8.01	8.48
Breen, Melissa (AUS) (1990)										
FINAL	- 2017 Shizuoka International Meeting (Fukuroi, JPN)									
date	03-May-17	time	6.58	12.07	17.93	24.27	24.27			
reaction time		interval		5.49	5.86	6.34		# of strides	12.07	12.20
wind	-0.5 m/s	velocity	7.60	9.11	8.53	7.89	8.24		8.29	8.20
Fujisawa, Sayaka (JPN) (1991)										
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)									
date	22-Sep-18	time	6.69	12.14	17.93	24.27	24.27			
reaction time	0.160	interval		5.45	5.79	6.34		# of strides	12.14	12.13
wind	0.2 m/s	velocity	7.47	9.17	8.64	7.89	8.24		8.24	8.24
Ambrosini, Coralie (SUI) (1997)										
FINAL	- 2022 Athletissima (Lausanne, SUI)									
date	26-Aug-22	time	6.5	11.9	17.7	24.27	24.27			
reaction time	0.135	interval		5.40	5.80	6.57		# of strides	11.90	12.37
wind	-0.9 m/s	velocity	7.69	9.26	8.62	7.61	8.24		8.40	8.08
Eguchi, Kotomi (JPN) (1997)										
FINAL	- 2015 Japanese National Championships (Niigata, JPN)									
date	27-Jun-15	time	6.78	12.32	18.05	24.28	24.28			
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)									
date	03-May-16	time	6.75	12.26	18.00	24.28	24.28			
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)									
date	03-May-17	time	6.70	12.16	17.93	24.28	24.28			
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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 Japanese National Championships (Niigata, JPN)			<i>Hirokawa (2020) - research on athlete performance and technique- 2020 data book</i>								
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	0.30
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)			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		12.30		24.28	24.28	4 / 6			
reaction time	0.159	interval				11.98		# of strides	12.30	11.98	0.32
wind	0.0 m/s	velocity		8.13		8.35	8.24	96.0	8.13	8.35	
Bumbescu, Monika (ROU) (1977)			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	6.70	12.18	17.95	24.29	24.29	/ 8			
reaction time		interval		5.48	5.77	6.34		# of strides	12.18	12.11	0.07
wind	-0.2 m/s	velocity	7.46	9.12	8.67	7.89	8.23		8.21	8.26	
Carter, Khrystal (USA) (1988)			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		12.05	17.89	24.29	24.29	9 / 9			
reaction time		interval			5.84	6.40		# of strides	12.05	12.24	-0.19
wind	0.6 m/s	velocity		8.30	8.56	7.81	8.23		8.30	8.17	
Floyd, Kalyn (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 USATF National Junior Championships (Columbus, OH)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	22-Jun-08	time		12.19	17.93	24.29	24.29	3 / 7			
reaction time		interval			5.74	6.36		# of strides	12.19	12.10	0.09
wind	-2.4 m/s	velocity		8.20	8.71	7.86	8.23		8.20	8.26	
Takita, Shizumi (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>Ninomiya (2019) - research on athlete performance and technique- 2019 data book</i>								
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	-0.01
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)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>								
date	25-Oct-20	time	6.90	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	0.69
wind	1.7 m/s	velocity	7.25	8.94	8.58	8.38	8.23	101.0	8.01	8.47	
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		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)											
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	6.33	12.35	18.07	24.30	24.30	9 / 6			
reaction time		interval		6.02	5.72	6.23		# of strides	12.35	11.95	0.40
wind	0.8 m/s	velocity	7.90	8.31	8.74	8.03	8.23		8.10	8.37	
Miyake, Naoka (JPN) (1991)											
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)											
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)											
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)											
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	6.25	12.38	18.13	24.31	24.31	7 / 8			
reaction time	0.152	interval		6.13	5.75	6.18		# of strides	12.38	11.93	0.45
wind	2.2 m/s	velocity	8.00	8.16	8.70	8.09	8.23		8.08	8.38	
Kageyama, Sakiho (JPN) (2002)											
FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)						<i>Ryutaro (2018) - research on athlete performance and technique</i>					
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)											
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	6.67	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	
Kojima, Yuzuki (JPN) (2004)											
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)						<i>Nishima (2022) - national high school championships biomechanics data collection</i>					
date	06-Aug-22	time	7.35	12.30	18.01	24.32	24.32	6 / 1			
reaction time	0.154	interval		4.95	5.71	6.31	PB	# of strides	12.30	12.02	0.28
wind	-1.2 m/s	velocity	6.80	10.10	8.76	7.92	8.22		8.13	8.32	
Chudzik, Kamila (POL) (1986)											
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	6.80	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		8.14	8.30	
Williams, Christania (JAM) (1994)											
A FINAL - 2015 Windsprint (Sundsvall, SWE)						<i>(2015) - www.windsprint/Splittider/</i>					
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	
Kokubo, Haruna (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	6.84	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
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	-0.10
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	4 / 3		
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	6.25	12.29	18.04	24.34	24.34	5 / 2		
reaction time	0.152	interval		6.04	5.75	6.30		# of strides	12.29	12.05
wind	-0.2 m/s	velocity	8.00	8.28	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	4 / 4		
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	108.2	8.37	8.07
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	/ 1		
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	3 / 8		
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	104.0	8.08	8.35
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	1 / 8		
reaction time		interval			5.88	6.16		# of strides	12.32	12.04
wind	-2.4 m/s	velocity		8.12	8.50	8.12	8.21		8.12	8.31
Riedl, Julia (GER) (1992)										
Heat 3	- 2010 German National Junior Championships (Ulm, GER)									
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
wind	1.0 m/s	velocity		8.14	8.71	7.89	8.21		8.14	8.28
Riedl, Martina (GER) (1992)										
FINAL	- 2010 German National Junior Championships (Ulm, GER)									
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
wind	-0.1 m/s	velocity		8.06	8.62	8.13	8.21		8.06	8.37
Jensen, Christine (DEN) (1991)										
A FINAL	- 2014 Windsprint (Sundsvall, SWE)									
date	20-Jul-14	time		12.38		24.36	24.36	6 / 4		
reaction time		interval				11.98		# of strides	12.38	11.98
wind	2.7 m/s	velocity		8.08		8.35	8.21		8.08	8.35
Miyake, Naoka (JPN) (1991)										
Heat 3	- 2019 Asian Athletics Championships (Doha, QAT)									
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
wind	2.3 m/s	velocity	7.49	9.16	8.56	7.84	8.21		8.24	8.18

Cai Yanting (CHN) (2000)										
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
wind	0.2 m/s	velocity	7.37	9.33	8.58	7.82	8.21		8.24	8.18
Niisaka, Takako (JPN) (2002)										
U18 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	6.64	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
wind	-1.3 m/s	velocity	7.53	9.09	8.56	7.84	8.21	105.5	8.24	8.18
Banno, Rio (JPN) (1990)										
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
wind	0.3 m/s	velocity	7.32	8.73	8.96	8.03	8.21		7.96	8.47
Yamada, Miki (JPN) (1999)										
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
wind	-1.2 m/s	velocity	7.49	9.11	8.59	7.84	8.21	104.0	8.22	8.20
Rao, Vandana (IND) (1963)										
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
wind	-0.7 m/s	velocity		8.00		8.42	8.20		8.00	8.42
Aoyama, Seika (JPN) (1996)										
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
wind	0.3 m/s	velocity	7.35	8.62	8.98	8.05	8.20		7.94	8.49
Schmidová, Martina (CZE) (1990)										
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
wind	-1.2 m/s	velocity	7.39	9.19	8.61	7.86	8.20		8.19	8.22
Nakano, Makoto (JPN) (1997)										
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
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)										
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
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)						<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)						<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)	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	6.59	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 -0.26
wind	-0.4 m/s	velocity	7.59	9.14	8.53	7.74	8.20		8.29 8.12
Hawkins, Chari (USA) (1991)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)									
Seiko Timing (2023) - world championship race analysis									
date	19-Aug-23	time		12.28		24.38	24.38	3 / 7	
reaction time	0.167	interval				12.10		# of strides	12.28 12.10 0.18
wind	0.0 m/s	velocity		8.14		8.26	8.20	97.0	8.14 8.26
Ström, Malin (SWE) (1986)	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		12.33		18.15	24.39	24.39	4 / 1
reaction time		interval				5.82	6.24	# of strides	12.33 12.06 0.27
wind	2.0 m/s	velocity		8.11		8.59	8.01	8.20	8.11 8.29
Mächtigt, Julia (GER) (1973)	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		6.78		12.31	18.13	24.39	24.39
reaction time	0.181	interval				5.53	5.82	6.26	# of strides
wind	-0.2 m/s	velocity		7.37		9.04	8.59	7.99	8.20
									12.31 12.08 0.23
									8.12 8.28
Nobuoka, Sakie (JPN) (1977)	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		6.66		12.21	18.08	24.39	24.39
reaction time		interval				5.55	5.87	6.31	# of strides
wind	-0.7 m/s	velocity		7.51		9.01	8.52	7.92	8.20
									12.21 12.18 0.03
									8.19 8.21
Saito, Ami (JPN) (1999)	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		6.69		12.23	18.05	24.39	24.39
reaction time	0.188	interval				5.54	5.82	6.34	# of strides
wind	-0.2 m/s	velocity		7.47		9.03	8.59	7.89	8.20
									12.23 12.16 0.07
									8.18 8.22
Hirosawa, Mae (JPN) (1997)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
A FINAL - 2019 Shizuoka International Athletics Meeting (Fukuoi, JPN)									
Kobayashi (2019) - research on athlete performance technique- 2019 databook									
date	03-May-19	time		6.70		12.34	18.21	24.39	24.39
reaction time		interval				5.64	5.87	6.18	# of strides
wind	-1.2 m/s	velocity		7.46		8.87	8.52	8.09	8.20
									12.34 12.05 0.29
									8.10 8.30
Yamada, Miki (JPN) (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		6.72		12.19	18.10	24.39	24.39
reaction time	0.179	interval				5.47	5.91	6.29	# of strides
wind	0.5 m/s	velocity		7.44		9.14	8.46	7.95	8.20
									12.19 12.20 -0.01
									8.20 8.20
Caligiuri, Iris (SUI) (2003)	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		6.6		12.1	18.0	24.39	24.39
reaction time	0.127	interval				5.50	5.90	6.39	# of strides
wind	-0.9 m/s	velocity		7.58		9.09	8.47	7.82	8.20
									12.10 12.29 -0.19
									8.26 8.14
Thiam, Nafissatou (BEL) (1994)	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				12.35		24.39	24.39
reaction time	0.138	interval						12.04	# of strides
wind	1.5 m/s	velocity				8.10		8.31	8.20
									12.35 12.04 0.31
									8.10 8.31
Banno, Rio (JPN) (1990)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)									
Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015									
date	18-Apr-15	time		6.80		12.44	18.29	24.40	24.40
reaction time		interval				5.64	5.85	6.11	# of strides
wind	1.7 m/s	velocity		7.35		8.87	8.55	8.18	8.20
									12.44 11.96 0.48
									8.04 8.36

Kageyama, Sakiho (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	6.70	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	
Frey, Carina (GER) (1994)											
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		12.33	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)											
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	6.75	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)											
50m 100m 150m 200m Official Time Lane / Place						0-100m 100-200m Differential					
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)						Kota (2016) - 69th high school championships: JAF scientific committee					
date	01-Aug-16	time	6.23	12.30	18.19	24.41	24.41	7 / 3			
reaction time	0.183	interval		6.07	5.89	6.22		# of strides	12.30	12.11	0.19
wind	1.2 m/s	velocity	8.03	8.24	8.49	8.04	8.19		8.13	8.26	
Olear, Elizabeth (USA) (1988)											
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			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)											
50m 100m 150m 200m Official Time Lane / Place						0-100m 100-200m Differential					
B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)						Kobayashi (2019) - research on athlete performance technique- 2019 databook					
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
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)											
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	7.34	12.35	18.03	24.42	24.42	9 / 2			
reaction time	0.160	interval		5.01	5.68	6.39	PB	# of strides	12.35	12.07	0.28
wind	-1.2 m/s	velocity	6.81	9.98	8.80	7.82	8.19		8.10	8.29	
Cederkvist, Astrid (NOR) (1994)											
50m 100m 150m 200m Official Time Lane / Place						0-100m 100-200m Differential					
B FINAL - 2012 Windsprint (Sundsvall, SWE)						(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx					
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)											
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	6.31	12.25	18.02	24.43	24.43	6 / 3			
reaction time	0.184	interval		5.94	5.77	6.41		# of strides	12.25	12.18	0.07
wind	-0.2 m/s	velocity	7.92	8.42	8.67	7.80	8.19		8.16	8.21	
Wada, Maki (JPN) (1986)											
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	6.49	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)											
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	6.78	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	

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

Kurashige, Miu (JPN) (2004)										
FINAL	- 2021 Japanese U20 National Championships (Osaka, JPN)									
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
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)									
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
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)									
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
wind	1.5 m/s	velocity		7.95		8.44	8.19	96.5	7.95	8.44
Samotyosova, Lyudmila (URS) (1939)										
Heat 2	- 1969 European Championships (Athens, GRE)									
date	18-Sep-69	time		11.90		24.3	24.2	1 / 2		
reaction time		interval				12.40		# of strides	11.90	12.40
wind	-2.0 m/s	velocity		8.40		8.06	8.26		8.40	8.06
Lacambra, Blanca (ESP) (1965)										
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)									
date	08-Sep-89	time		12.26	18.20	24.44	24.44	1 / 9		
reaction time		interval			5.94	6.24		# of strides	12.26	12.18
wind	0.2 m/s	velocity		8.16	8.42	8.01	8.18		8.16	8.21
Kodama, Mei (JPN) (1999)										
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)									
date	01-Aug-17	time	6.27	12.32	18.12	24.44	24.44	3 / 4		
reaction time	0.194	interval		6.05	5.80	6.32		# of strides	12.32	12.12
wind	-0.2 m/s	velocity	7.97	8.26	8.62	7.91	8.18		8.12	8.25
Kashiyama, Kaede (JPN) (1994)										
FINAL	- 2018 Japanese Corporate Championships (Osaka, JPN)									
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
wind	0.2 m/s	velocity	7.47	8.98	8.56	7.89	8.18		8.16	8.21
Uchiyama, Kyoka (JPN) (2003)										
U18 FINAL	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)									
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
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)										
FINAL	- 2020 All Japan Corporate Championships (Kumagaya, JPN)									
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
wind	0.6 m/s	velocity	7.47	8.96	8.53	7.92	8.18		8.15	8.22
Igarashi, Yuka (JPN) (1991)										
FINAL	- 2009 Japanese National High School Championships (Nara, JPN)									
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
wind	0.3 m/s	velocity	7.49	8.98	8.50	7.91	8.18		8.16	8.20
Riedl, Julia (GER) (1992)										
FINAL	- 2010 German National Junior Championships (Ulm, GER)									
date	07-Aug-10	time		12.43	18.15	24.45	24.45	1 / 3		
reaction time		interval			5.72	6.30		# of strides	12.43	12.02
wind	-0.1 m/s	velocity		8.05	8.74	7.94	8.18		8.05	8.32

Takamori, Maho (JPN) (1996)											
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)											
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	6.36	12.39	18.17	24.45	24.45	8 / 7			
reaction time		interval		6.03	5.78	6.28		# of strides	12.39	12.06	0.33
wind	0.8 m/s	velocity	7.86	8.29	8.65	7.96	8.18		8.07	8.29	
Martin, Eva (ESP) (1985)											
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)											
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)											
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	
Berntsson, Lena (SWE) (1978)											
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)											
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	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)											
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)											
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)											
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)						<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)						Omega Timing (2022) - diamond league race analysis					
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	
Hasegawa, Misato (JPN) (1992)											
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)						Matsuo (2010) - 63rd high school championships: JAF scientific committee					
date	01-Aug-10	time	7.07	12.67	18.33	24.48	24.48	/ 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)						Graubner (2010) - http://www.fgs.uni-halle.de					
date	08-Aug-10	time		12.51	18.23	24.48	24.48	/ 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)						Butler (2011) - Gay's last 100 in Manchester street 150					
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)						Yasunori (2012) - 65th high school championships: JAF scientific committee					
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)						Yamanaka (2019) - research on athlete performance and technique- 2019 data book					
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	
Seko, Nodoka (JPN) (1991)											
FINAL - 2009 Japanese National High School Championships (Nara, JPN)						Matsuo (2009) - 62nd high school championships: JAF scientific committee					
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)											
U20 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	6.78	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)											
B FINAL - 2008 Windsprint (Sundsvall, SWE)						(2008) - www.ssg.se/en/Windsprint/Split-times/					
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)											
FINAL - 2009 Japanese National High School Championships (Nara, JPN)						Matsuo (2009) - 62nd high school championships: JAF scientific committee					
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)											
FINAL - 2010 German National Junior Championships (Ulm, GER)						Graubner (2010) - http://www.fgs.uni-halle.de					
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)											
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN) <i>Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics</i>											
date	05-Aug-18	time	6.27	12.33	18.19	24.51	24.51	3 / 8			
reaction time		interval		6.06	5.86	6.32		# of strides	12.33	12.18	0.15
wind	0.8 m/s	velocity	7.97	8.25	8.53	7.91	8.16		8.11	8.21	
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>Yama (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	
Hashizume, Sakina (JPN) (1993)											
50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN) <i>Matsuo (2010) - 63rd high school championships: JAF scientific committee</i>											
date	01-Aug-10	time	6.84	12.50	18.30	24.53	24.53	1 / 2			
reaction time		interval		5.66	5.80	6.23	PB	# of strides	12.50	12.03	0.47
wind	1.0 m/s	velocity	7.31	8.83	8.62	8.03	8.15		8.00	8.31	
Holzschuh, Marie (GER) (1994)											
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		12.62	18.34	24.54	24.54	1 / 6			
reaction time		interval			5.72	6.20		# of strides	12.62	11.92	0.70
wind	-0.2 m/s	velocity		7.92	8.74	8.06	8.15		7.92	8.39	
Miyake, Naoka (JPN) (1991)											
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	6.68	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	0.00
wind	-0.4 m/s	velocity	7.49	8.94	8.50	7.82	8.15	101.5	8.15	8.15	
Thomas, Vashti (USA) (1990)											
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		12.21	18.14	24.55	24.55	5 / 5			
reaction time		interval			5.93	6.41		# of strides	12.21	12.34	-0.13
wind	1.6 m/s	velocity		8.19	8.43	7.80	8.15		8.19	8.10	
Morgan, Lynette (SWE) (1991)											
50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
C FINAL - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		12.65		24.55	24.55	5 / 1			
reaction time		interval				11.90	PB	# of strides	12.65	11.90	0.75
wind	1.6 m/s	velocity		7.91		8.40	8.15		7.91	8.40	
Aoki, Rin (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	6.32	12.38	18.21	24.55	24.55	8 / 4			
reaction time	0.177	interval		6.06	5.83	6.34		# of strides	12.38	12.17	0.21
wind	1.2 m/s	velocity	7.91	8.25	8.58	7.89	8.15		8.08	8.22	
Shimada, Yukina (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	6.19	12.30	18.25	24.55	24.55	4 / 5			
reaction time	0.179	interval		6.11	5.95	6.30		# of strides	12.30	12.25	0.05
wind	1.2 m/s	velocity	8.08	8.18	8.40	7.94	8.15		8.13	8.16	
Hirosawa, Mae (JPN) (1997)											
50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential											
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN) <i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	20-Sep-20	time	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	0.01
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)									
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)									
date	01-Aug-16	time	6.32	12.45	18.32	24.56	24.56	9 / 6		
reaction time	0.150	interval		6.13	5.87	6.24		# of strides	12.45	12.11
wind	1.2 m/s	velocity	7.91	8.16	8.52	8.01	8.14		8.03	8.26
Igoshi, Akari (JPN) (2000)										
FINAL	- 2017 Japanese National High School Championships (Yamagata, JPN)									
date	01-Aug-17	time	6.30	12.43	18.30	24.56	24.56	9 / 5		
reaction time	0.177	interval		6.13	5.87	6.26		# of strides	12.43	12.13
wind	-0.2 m/s	velocity	7.94	8.16	8.52	7.99	8.14		8.05	8.24
Aoyama, Hanae (JPN) (2002)										
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)									
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
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)									
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
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)									
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
wind	-0.4 m/s	velocity	7.34	8.96	8.61	7.86	8.14		8.07	8.22
Samuelsson, Jessica (SWE) (1985)										
D FINAL	- 2014 Windsprint (Sundsvall, SWE)									
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)									
date	01-Aug-15	time	6.14	12.20	18.11	24.57	24.57	6 / 1		
reaction time		interval		6.06	5.91	6.46		# of strides	12.20	12.37
wind	-3.4 m/s	velocity	8.14	8.25	8.46	7.74	8.14		8.20	8.08
Latvala, Hanna-Maari (FIN) (1987)										
A FINAL	- 2015 Windsprint (Sundsvall, SWE)									
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)									
date	01-Aug-16	time	6.26	12.36	18.26	24.58	24.58	3 / 7		
reaction time	0.170	interval		6.10	5.90	6.32		# of strides	12.36	12.22
wind	1.2 m/s	velocity	7.99	8.20	8.47	7.91	8.14		8.09	8.18
Taji, Haruka (JPN) (2002)										
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)									
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
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)					<i>Ryutaro (2018) - research on athlete performance and technique</i>				
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
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)					<i>Seiko Timing (2023) - world championship race analysis</i>				
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
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)					<i>Ryutaro (2018) - research on athlete performance and technique</i>				
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
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)					<i>CAA Hurdle Development (2021)</i>				
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
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)					<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
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
wind	-0.2 m/s	velocity	7.35	9.31	8.49	7.65	8.13		8.22	8.05
Riedl, Martina (GER) (1992)										
Heat 2	- 2010 German National Junior Championships (Ulm, GER)					<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>				
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
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)					<i>Enomoto (2015) - 68th high school championships: JAF scientific committee</i>				
date	01-Aug-15	time	6.33	12.44	18.23	24.60	24.60	8 / 2		
reaction time		interval		6.11	5.79	6.37	PB	# of strides	12.44	12.16
wind	-3.4 m/s	velocity	7.90	8.18	8.64	7.85	8.13		8.04	8.22
Hrůnová, Pavla (CZE) (1986)										
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	6.89	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
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
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
wind	0.0 m/s	velocity	7.27	9.14	8.42	7.90	8.12		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
wind	0.0 m/s	velocity		7.97	8.61	7.99	8.12		7.97	8.29

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

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
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
wind	0.7 m/s	velocity	7.37	8.96	8.52	7.82	8.12	99.2	8.09	8.16
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	1 / 3		
reaction time		interval		6.80	4.73	6.43		# of strides	13.47	11.16
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	1 / 2		
reaction time		interval			12.08			# of strides	12.55	12.08
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
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
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
wind	0.2 m/s	velocity	7.52	8.77	8.42	7.87	8.12		8.10	8.14
Miki, Shiori (JPN) (1991)										
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	6.80	12.43	18.33	24.65	24.65	1 / 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)									<i>Timing by Seiko (2022) - world athletics championships race analysis</i>
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)									<i>Kota (2017) - 70th high school championships: JAF scientific committee</i>
date	01-Aug-17	time	6.24	12.29	18.10	24.66	24.66	4 / 6		
reaction time	0.161	interval		6.05	5.81	6.56		# of strides	12.29	12.37
wind	-0.2 m/s	velocity	8.01	8.26	8.61	7.62	8.11		8.14	8.08
Satou, Aoi (JPN) (2004)										
FINAL	- 2022 Japanese National High School Championships (Naruto, JPN)									<i>Shima (2022) - national high school championships biomechanics data collection</i>
date	06-Aug-22	time	7.31	12.32	18.11	24.66	24.66	4 / 3		
reaction time	0.170	interval		5.01	5.79	6.55		# of strides	12.32	12.34
wind	-1.2 m/s	velocity	6.84	9.98	8.64	7.63	8.11		8.12	8.10

Schmidt, Annika (GER) (1983)										
Heat 5 - 2010 German National Junior Championships (Ulm, GER)										
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	0.36
wind	0.9 m/s	velocity	7.99	8.62	7.86	8.10		7.99	8.22	
Yamasaki, Yuki (JPN) (1995)										
Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)										
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)										
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)										
date	06-Aug-11	time	6.57	13.66	18.37	24.69	24.69	/ 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)										
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)										
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	
Lehlali, Salma (MAR) (2003)										
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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)										
Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)										
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	8.16	8.03	
Akashi, Yuri (JPN)										
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)										
date	06-Aug-11	time	7.08	13.58	18.28	24.71	24.71	/ 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)										
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)										
date	01-Aug-15	time	6.32	12.43	18.30	24.71	24.71	3 / 3		
reaction time		interval		6.11	5.87	6.41	# of strides	12.43	12.28	0.15
wind	-3.4 m/s	velocity	7.91	8.18	8.52	7.80	8.09	8.05	8.14	
Utsunomiya, Eri (JPN) (1993)										
Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)										
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)										
FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)										
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	7.95	8.24	
Zhu Cuiwei (CHN) (2000)										
Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)										
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
wind	-0.4 m/s	velocity		8.33		7.87	8.09	8.33	7.87	

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			
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>Nishida (2022) - national high school championships biomechanics data collection</i>					
date	06-Aug-22	time	7.39	12.43	18.23	24.72	24.72	3 / 4			
reaction time	0.284	interval		5.04	5.80	6.49		# of strides	12.43	12.29	0.14
wind	-1.2 m/s	velocity	6.77	9.92	8.62	7.70	8.09		8.05	8.14	
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	6.26	12.38	18.26	24.74	24.74	7 / 4			
reaction time		interval		6.12	5.88	6.48		# of strides	12.38	12.36	0.02
wind	-3.4 m/s	velocity	7.99	8.17	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>Nishida (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
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>Nishida (2022) - national high school championships biomechanics data collection</i>					
date	06-Aug-22	time	7.24	12.27	18.15	24.74	24.74	5 / 5			
reaction time	0.166	interval		5.03	5.88	6.59		# of strides	12.27	12.47	-0.20
wind	-1.2 m/s	velocity	6.91	9.94	8.50	7.59	8.08		8.15	8.02	
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		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>Feher (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>Nishida (2022) - national high school championships biomechanics data collection</i>					
date	06-Aug-22	time	7.39	12.47	18.29	24.75	24.75	8 / 6			
reaction time	0.201	interval		5.08	5.82	6.46		# of strides	12.47	12.28	0.19
wind	-1.2 m/s	velocity	6.77	9.84	8.59	7.74	8.08		8.02	8.14	

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	
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>Niina (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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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	
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)						<i>USATF Women's Sprint Development (2003)</i>					
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)						<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>					
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)						<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>					
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)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
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		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)						<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>					
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)						<i>Yoshino (2012) - 65th high school championships: JAF scientific committee- biomechanics</i>					
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)						<i>Niina (2019) - research on athlete performance and technique- 2019 data book</i>					
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)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
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
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)									
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	
Agerbjer, Emma (SWE) (1985)									
B FINAL - 2007 Windsprint (Sundsvall, SWE)									
date	24-Jul-07	time	12.52	18.52	24.79	24.79	3 / 3		
reaction time		interval		6.00	6.27		# of strides	12.52	12.27
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)									
date	06-Aug-11	time	6.63	13.60	18.37	24.79	24.79	1 / 6	
reaction time		interval		6.97	4.77	6.42		# of strides	13.60
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)									
date	01-Aug-15	time	6.29	12.48	18.45	24.79	24.79	4 / 5	
reaction time		interval		6.19	5.97	6.34		# of strides	12.48
wind	-3.4 m/s	velocity	7.95	8.08	8.38	7.89	8.07	8.01	8.12
Kawanaka, Aori (JPN) (2001)									
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)									
date	01-Aug-17	time	6.33	12.44	18.28	24.79	24.79	8 / 7	
reaction time	0.167	interval		6.11	5.84	6.51		# of strides	12.44
wind	-0.2 m/s	velocity	7.90	8.18	8.56	7.68	8.07	8.04	8.10
Utsunomiya, Eri (JPN) (1993)									
Heptathlon - Heat 3 - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)									
date	21-Apr-18	time	6.72	12.37	18.40	24.79	24.79	8 / 1	
reaction time		interval		5.65	6.03	6.39	PB	# of strides	12.37
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)									
date	21-Oct-18	time	6.82	12.52	18.42	24.79	24.79	2 / 7	
reaction time	0.171	interval		5.70	5.90	6.37		# of strides	12.52
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)									
date	06-Aug-22	time	7.29	12.40	18.26	24.79	24.79	7 / 7	
reaction time	0.160	interval		5.11	5.86	6.53		# of strides	12.40
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)									
date	01-Aug-08	time	6.65	12.30	18.31	24.80	24.80	1 / 2	
reaction time		interval		5.65	6.01	6.49		# of strides	12.30
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)									
date	26-Jul-15	time		12.60		24.80	24.80	4 / 1	
reaction time		interval				12.20		# of strides	12.60
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)									
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
wind	-0.5 m/s	velocity	7.41	9.01	8.31	7.72	8.06	8.13	8.00

Watanabe, Misato (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	6.72	12.30	18.32	24.81	24.81	1 / 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)					<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>				
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)					<i>Fehér (2013) - Final report men's & women's Czech Republic national champs</i>				
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)					<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>				
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)					<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>				
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)					<i>Enomoto (2015) - 68th high school championships: JAF scientific committee</i>				
date	01-Aug-15	time	6.27	12.42	18.37	24.81	24.81	2 / 6		
reaction time		interval		6.15	5.95	6.44		# of strides	12.42	12.39
wind	-3.4 m/s	velocity	7.97	8.13	8.40	7.76	8.06		8.05	8.07
Matsunaga, Tomoko (JPN) (2002)										
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)					<i>Ryutaro (2018) - research on athlete performance and technique</i>				
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)					<i>Subayashi (2019) - research on athlete performance and technique</i>				
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)										
Heptathlon - Heat 3	- 2020 Japanese Multi-Event National Championships (Nagano, JPN)					<i>Masuda (2020) - research athlete performance technique- 2020 databook</i>				
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
wind	1.1 m/s	velocity	7.37	8.87	8.45	7.73	8.06		8.05	8.07
Krizsán, Xénia (HUN) (1993)										
Heptathlon - Heat 1	- 2022 World Athletics Championships (Eugene, OR)					<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
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
wind	1.5 m/s	velocity		7.98		8.14	8.06	93.2	7.98	8.14
Nana Djimou, Antoinette (FRA) (1985)										
Heptathlon - Heat 4	- 2009 IAAF World Championships (Berlin, GER)					<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
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
wind	-0.3 m/s	velocity	7.45	9.03	8.38	7.56	8.05		8.16	7.95

Hrůnová, Pavla (CZE) (1986)									
Heat 2	- 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	6.94	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)									
FINAL	- 2017 Shizuoka International Meeting (Fukuroi, JPN)				<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	03-May-17	time	6.79	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)									
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	6.86	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)									
B FINAL	- 2010 German National Youth Championships (Ulm, GER)				<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>				
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)									
FINAL	- 2010 German National Youth Championships (Ulm, GER)				<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>				
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
Utsunomiya, Eri (JPN) (1993)									
Heptathlon - Heat 3	- 2019 Japanese National Multi-Event Championships (Nagano, JPN)				<i>Wakabayashi (2019) - research on athlete performance and technique</i>				
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
Fujii, Ayano (JPN) (1998)									
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	6.36	12.54	18.47	24.89	24.89	2 / 8	
reaction time	0.190	interval		6.18	5.93	6.42		# of strides	12.54 12.35 0.19
wind	1.2 m/s	velocity	7.86	8.09	8.43	7.79	8.04		7.97 8.10
Yuaza, Kanako (JPN) (1997)									
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	6.27	12.45	18.40	24.89	24.89	9 / 7	
reaction time		interval		6.18	5.95	6.49		# of strides	12.45 12.44 0.01
wind	-3.4 m/s	velocity	7.97	8.09	8.40	7.70	8.04		8.03 8.04
Miura, Yuna (JPN) (2002)									
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	6.79	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 0.05
wind	1.7 m/s	velocity	7.36	8.80	8.39	7.74	8.04	107.8	8.02 8.05
Tomoko, Inada (JPN)									
FINAL	- 2007 Japanese National High School Championships (Saitama, JPN)				<i>Saito (2007) - 60st high school championships: JAF scientific committee- biomechanics</i>				
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 -0.08
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)				<i>Abe (2008) - 61st high school championships: JAF scientific committee</i>				
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 0.00
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)									
date	01-Aug-17	time	6.33	12.49	18.39	24.90	24.90	2 / 8		
reaction time	0.159	interval		6.16	5.90	6.51		# of strides	12.49	12.41
wind	-0.2 m/s	velocity	7.90	8.12	8.47	7.68	8.03		8.01	8.06
Muraki, Mirei (JPN) (2001)										
FINAL	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)									
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)									
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)									
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)									
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
wind	-0.1 m/s	velocity		7.95		8.11	8.03	97.0	7.95	8.11
Johansson, Malin (SWE) (1992)										
D FINAL	- 2014 Windsprint (Sundsvall, SWE)									
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
wind	2.0 m/s	velocity		7.84		8.22	8.03		7.84	8.22
Miyake, Naoka (JPN) (1991)										
FINAL	- 2015 Mikio Oda Memorial (Hiroshima, JPN)									
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
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	- 2018 Shizuoka International Meeting (Fukuroi, JPN)									
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
wind	0.6 m/s	velocity	7.19	8.73	8.46	7.90	8.03		7.89	8.17
Banno, Rio (JPN) (1990)										
FINAL	- 2008 Japanese National High School Championships (Kumagaya, JPN)									
date	01-Aug-08	time	6.68	12.37	18.48	24.93	24.93	1 / 5		
reaction time		interval		5.69	6.11	6.45		# of strides	12.37	12.56
wind	-2.4 m/s	velocity	7.49	8.79	8.18	7.75	8.02		8.08	7.96
Takenaka, Hikaru (JPN) (1993)										
FINAL	- 2010 Japanese National High School Championships (Okinawa, JPN)									
date	01-Aug-10	time	7.06	12.91	18.74	24.94	24.94	1 / 3		
reaction time		interval		5.85	5.83	6.20		# of strides	12.91	12.03
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	- 2018 Japanese National Youth (U18) Championships (Nagano, JPN)									
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
wind	1.5 m/s	velocity	7.36	8.83	8.39	7.66	8.02		8.03	8.01

Mathes, Larissa (GER) (1992)										
B FINAL - 2010 German National Junior Championships (Ulm, GER)										
date	07-Aug-10	time	12.47	18.41	24.95	24.95	/ 2			
reaction time		interval		5.94	6.54		# of strides	12.47	12.48	-0.01
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) <i>shima (2022) - national high school championships biomechanics data collection</i>										
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)										
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)										
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) <i>Abe (2011) - 64th high school championships: JAF scientific committee</i>										
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	
Iwade, Hanae (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	6.82	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	
McNair, Bianca (USA) (1984)										
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)										
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)										
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)										
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	
Carmichael, Nicole (USA) (1977)										
FINAL - 1996 USATF National Junior Championships (Delaware, OH)										
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	
Nouiri, Houda (MAR) (1998)										
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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	# 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)					<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
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
wind	-0.2 m/s	velocity	7.32	8.99	8.31	7.56	7.99		8.07	7.92
Schmidt, Annika (GER) (1983)										
50m 100m 150m 200m					Official Time	Lane / Place		0-100m	100-200m	Differential
A FINAL - 2010 German National Junior Championships (Ulm, GER)										
<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>										
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
wind	-0.1 m/s	velocity		7.91	8.43	7.75	7.99		7.91	8.08
Janoušová, Jana (CZE) (1995)										
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	6.72	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
wind	-0.3 m/s	velocity	7.44	8.82	8.46	7.44	7.99		8.07	7.92
Cambours, Léonie (FRA) (2000)										
50m 100m 150m 200m					Official Time	Lane / Place		0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)										
<i>Seiko Timing (2023) - world championship race analysis</i>										
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
wind	-0.1 m/s	velocity		7.82		8.17	7.99	101.0	7.82	8.17
Züblin, Linda (SUI) (1986)										
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	6.73	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
wind	-0.2 m/s	velocity	7.43	8.96	8.32	7.44	7.99		8.12	7.86
Mazáčová, Iveta (CZE) (1986)										
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	6.67	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
wind	-0.3 m/s	velocity	7.50	8.90	8.99	6.95	7.99		8.14	7.84
Turpin, Esther (FRA) (1996)										
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		12.67		25.04	25.04	2 / 6		
reaction time	0.208	interval				12.37		# of strides	12.67	12.37
wind	-0.1 m/s	velocity		7.89		8.08	7.99	97.0	7.89	8.08
Nemes, Rita (HUN) (1989)										
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		12.67		25.04	25.04	4 / 7		
reaction time	0.150	interval				12.37		# of strides	12.67	12.37
wind	-0.1 m/s	velocity		7.89		8.08	7.99	93.7	7.89	8.08
Hashizume, Sakina (JPN) (1993)										
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	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)										
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	6.75	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)										
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	6.95	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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
C FINAL - 2014 Windsprint (Sundsvall, SWE)									
Johansen (2014) - www.ssg.se/windsprint/Splittider/									
date	20-Jul-14	time	12.52	25.07	25.07	2 / 2			
reaction time		interval		12.55		# of strides	12.52	12.55	-0.03
wind	1.6 m/s	velocity	7.99	7.97	7.98		7.99	7.97	
Sano, Fuyumi (JPN) (1989)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 Japanese National High School Championships (Saga, JPN)									
Hitorara (2007) - 60st high school championships: JAF scientific committee									
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2007 Japanese National High School Championships (Saga, JPN)									
Hitorara (2007) - 60st high school championships: JAF scientific committee									
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)									
Ryutaro (2018) - research on athlete performance and technique									
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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)									
Abe (2008) - 61st high school championships: JAF scientific committee									
date	01-Aug-08	time	6.92	12.68	18.70	25.09	25.09	1 / 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)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)									
Nina (2019) - research on athlete performance and technique- 2019 data book									
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	7.94	8.00
Kato, Shiori (JPN) (2001)	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)									
Nina (2019) - research on athlete performance and technique- 2019 data book									
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
wind	-0.8 m/s	velocity	7.29	8.76	8.29	7.70	7.97	7.96	7.99
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
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)									
Fehér (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
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
wind	-1.5 m/s	velocity	7.43	9.01	8.28	7.37	7.97	8.14	7.80
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)									
Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics									
date	01-Aug-08	time	6.88	12.57	18.60	25.11	25.11	1 / 8	
reaction time		interval	5.69	6.03	6.51		# of strides	12.57	12.54
wind	-2.4 m/s	velocity	7.27	8.79	8.29	7.68	7.96	7.96	7.97

Hofmanová, Martina (CZE) (1995)										
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)										
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
wind	-1.1 m/s	velocity	7.29	8.87	8.26	7.61	7.96		8.00	7.92
Eurenus, Isabelle (SWE) (1989)										
B FINAL - 2007 Windsprint (Sundsvall, SWE)										
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
wind	2.0 m/s	velocity		7.96	8.36	7.59	7.96		7.96	7.96
John, Viviane (GER) (1993)										
FINAL - 2010 German National Youth Championships (Ulm, GER)										
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
wind	-0.2 m/s	velocity		7.87	8.49	7.65	7.96		7.87	8.05
Day, Sharon (USA) (1985)										
Heptathlon - Heat 4 - 2009 IAAF World Championships (Berlin, GER)										
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
wind	-0.3 m/s	velocity	7.31	8.87	8.24	7.58	7.95		8.01	7.89
Grønneberg, Alvalde (NOR) (1992)										
C FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time		12.86		25.15	25.15	4 / 3		
reaction time		interval				12.29		# of strides	12.86	12.29
wind	1.6 m/s	velocity		7.78		8.14	7.95		7.78	8.14
Kong Lingwei (CHN) (1995)										
FINAL - 2021 Chinese National Championships (Chongqing, CHN)										
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
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)										
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
wind	1.5 m/s	velocity		8.16		7.75	7.95	102.0	8.16	7.75
Slettum, Elisabeth (NOR) (1986)										
B FINAL - 2012 Windsprint (Sundsvall, SWE)										
date	17-Jun-12	time		12.83		25.16	25.16	/ 3		
reaction time		interval				12.33		# of strides	12.83	12.33
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)										
date	20-Jul-14	time		12.65		25.16	25.16	3 / 4		
reaction time		interval				12.51		# of strides	12.65	12.51
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)										
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
wind	-0.1 m/s	velocity		7.87		8.03	7.95	94.0	7.87	8.03
Hemphill, Megu (JPN) (1996)										
Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)										
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
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)									
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
Assel, Anna Lena (GER) (1991)										
FINAL	- 2010 German National Junior Championships (Ulm, GER)									
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)									
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)									
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)									
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)									
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)									
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
Kiriyama, Chie (JPN) (1991)										
Heptathlon - Heat 3	- 2018 Japanese National Multi-Event Championships (Nagano, JPN)									
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 (Nagano, JPN)									
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)									
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)									
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

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

Grønnhau, Stine Marie (NOR) (1992) 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	12.72	25.28	25.28	1/2				
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		
Fretzschner, Isabel (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	13.01	19.03	25.30	25.30	1/7			
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) 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	6.48	12.90	18.85	25.30	25.30	5/8		
reaction time		interval		6.42	5.95	6.45		# of strides	12.90	12.40
wind	-3.4 m/s	velocity	7.72	7.79	8.40	7.75	7.91		7.75	8.06
Moriyama, Nanae (JPN) (2001) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>Yama (2019) - research on athlete performance and technique- 2019 data book</i>										
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
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) 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	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
Sönnerfors, Marie (SWE) (1993) 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	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) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN) <i>CAA Hurdle Development (2021)</i>										
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	
De Aniceto, Marisa (FRA) (1986) 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	6.82	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
wind	-0.3 m/s	velocity	7.33	8.67	8.16	7.58	7.90		7.94	7.86
Štychová, Martina (CZE) (1992) 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	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
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) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
B FINAL - 2012 Windsprint (Sundsvall, SWE) <i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>										
date	17-Jun-12	time	12.70		25.33	25.33	1/5			
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) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential										
B FINAL - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>										
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	

Straub, Regina (GER) (1992)									
B FINAL	- 2010 German National Junior Championships (Ulm, GER)								
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)								
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)								
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)								
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)								
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)								
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)								
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
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
wind	0.7 m/s	velocity	7.66	8.43	7.74	7.86		7.66	8.07
Jensen, Christine Bjelland (NOR) (1996)									
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
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	# 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
wind	-0.1 m/s	velocity	7.62	8.31	7.92	7.86		7.62	8.11

Voronina, Ekaterina (UZB) (1992)										
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)										
<i>Seiko Timing (2023) - world championship race analysis</i>										
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)										
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
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		8.03	7.67
Holsten, Sarina (GER) (1994)										
B FINAL - 2010 German National Youth Championships (Ulm, GER)										
<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>										
date	08-Aug-10	time	12.92	18.93	25.49	25.49	25.49	/ 4		
reaction time		interval		6.01	6.56			# of strides	12.92	12.57
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)										
<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>										
date	08-Aug-10	time	12.93	19.01	25.50	25.50	25.50	/ 5		
reaction time		interval		6.08	6.49			# of strides	12.93	12.57
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)										
<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>										
date	20-Jul-14	time	13.10		25.51	25.51	25.51	3 / 2		
reaction time		interval			12.41			# of strides	13.10	12.41
wind	1.3 m/s	velocity	7.63		8.06	7.84			7.63	8.06
Salivaara, Katja (FIN) (1980)										
B FINAL - 2008 Windsprint (Sundsvall, SWE)										
<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	06-Jul-08	time	12.56	18.71	25.52	25.52	25.52	5 / 4		
reaction time		interval		6.15	6.81			# of strides	12.56	12.96
wind	1.2 m/s	velocity	7.96	8.13	7.34	7.84			7.96	7.72
Brandt, Julia (GER) (1993)										
B FINAL - 2010 German National Youth Championships (Ulm, GER)										
<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>										
date	08-Aug-10	time	13.01	19.02	25.64	25.64	25.64	/ 6		
reaction time		interval		6.01	6.62			# of strides	13.01	12.63
wind	0.7 m/s	velocity	7.69	8.32	7.55	7.80			7.69	7.92
Jansson, Ida (SWE) (1995)										
E FINAL - 2014 Windsprint (Sundsvall, SWE)										
<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>										
date	20-Jul-14	time	13.08		25.67	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)										
<i>Seiko Timing (2023) - world championship race analysis</i>										
date	19-Aug-23	time	12.64		25.67	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
Mrnová, Markéta (CZE) (1991)										
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	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
Kiriya, Chie (JPN) (1991)										
Heptathlon - Heat 2 - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)										
<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

Gu Zihan (CHN) (2001)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)									
date	12-Jun-21	time	12.75	25.82	25.82	1 / 7	CAA Hurdle Development (2021)		
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	
Lagger, Sarah (AUT) (1999)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)									
date	19-Aug-23	time	13.04	25.86	25.86	3 / 6	Seiko Timing (2023) - world championship race analysis		
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	
Odama, Karin (JPN) (1999)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - Heat 3 - 2020 Japanese Multi-Event National Championships (Nagano, JPN)									
date	26-Sep-20	time	6.95	12.83	25.88	3 / 5	Nagano Athletics (2020) - research athlete performance technique- 2020 databook		
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	7.31	7.73	7.79	7.66	
Chládková, Denisa (CZE) (1995)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)									
date	16-Jun-13	time	6.98	12.72	25.93	7 / 7	Feher (2013) - Final report men's & women's Czech Republic national champs		
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	7.14	7.71	7.86	7.57	
Panboon, Fanny (SWE) (1995)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
C FINAL - 2012 Windsprint (Sundsvall, SWE)									
date	17-Jun-12	time	12.76	25.97	25.97	1 / 4	(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx		
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)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heptathlon - FINAL - 2022 Japanese Multi-Event National Championships (Akita, JPN)									
date	04-Jun-22	time	7.08	12.90	26.06	9 / 4	Nakafu (2023) - performance analysis of heptathletes in the 2022 season		
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	7.20	7.67	7.75	7.60	
Ghalla, Kenza (MAR) (2004)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)									
date	28-May-23	time	7.20	13.15	26.09	1 / 5	Omega Timing (2023) - diamond league race analysis		
reaction time	0.202	interval	5.95	6.20	6.74	# of strides	13.15	12.94	0.21
wind	1.4 m/s	velocity	6.94	8.40	7.42	7.67	7.60	7.73	
Dahmani, Ghita (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)									
date	28-May-23	time	7.15	13.12	26.12	2 / 6	Omega Timing (2023) - diamond league race analysis		
reaction time	0.170	interval	5.97	6.22	6.78	# of strides	13.12	13.00	0.12
wind	1.4 m/s	velocity	6.99	8.38	7.37	7.66	7.62	7.69	
Nafea, Amal (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)									
date	05-Jun-22	time	7.08	12.98	26.13	8 / 2	Omega Timing (2022) - diamond league race analysis		
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	7.24	7.65	7.70	7.60	
Rammak, Saida (MAR) (1994)									
	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)									
date	05-Jun-22	time	7.03	12.98	26.14	5 / 3	Omega Timing (2022) - diamond league race analysis		
reaction time	0.172	interval	5.95	6.33	6.83	# of strides	12.98	13.16	-0.18
wind	1.1 m/s	velocity	7.11	8.40	7.32	7.65	7.70	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)									
date	24-Jul-07	time	13.20	19.42	26.24	5 / 1	(2007) - www.ssg.se/en/Windsprint/Split-times/		
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	

Dahmani, Ghita (MAR) (2005)										
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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
wind	1.1 m/s	velocity	6.96	8.32	7.90	7.44	7.62		7.58	7.66
Ullgren, Moa (SWE) (1996)										
E FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time		13.17		26.30	26.30	2 / 4		
reaction time		interval				13.13		# of strides	13.17	13.13
wind	1.3 m/s	velocity		7.59		7.62	7.60		7.59	7.62
El Houma, Hiba (MAR) (2005)										
National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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
wind	1.4 m/s	velocity	7.03	8.32	7.94	7.26	7.60		7.62	7.58
Evensen, Marianne (NOR) (1996)										
D FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time		13.34		26.33	26.33	3 / 4		
reaction time		interval				12.99		# of strides	13.34	12.99
wind	2.0 m/s	velocity		7.50		7.70	7.60		7.50	7.70
El Ouarat, Salma (MAR) (2002)										
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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
wind	1.1 m/s	velocity	6.59	8.47	8.00	7.59	7.60		7.41	7.79
Barakat, Hanna (PLE) (1999)										
Heat 6 - 2022 World Athletics Championships (Eugene, OR)										
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
wind	1.9 m/s	velocity		7.37		7.83	7.60		7.37	7.83
Wada, Maki (JPN) (1986)										
FINAL - 2011 Japanese National Championships (Kumagaya, JPN)										
date	12-Jun-11	time	6.92	12.92	19.39	26.34	26.34	/ 8		
reaction time		interval		6.00	6.47	6.95		# of strides	12.92	13.42
wind	-0.7 m/s	velocity	7.23	8.33	7.73	7.19	7.59		7.74	7.45
Novotná, Lenka (CZE) (1997)										
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)										
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
wind	-1.1 m/s	velocity	6.87	8.47	7.96	7.25	7.59		7.59	7.59
Nilsson, Evelina (SWE) (1994)										
C FINAL - 2012 Windsprint (Sundsvall, SWE)										
date	17-Jun-12	time		13.16		26.39	26.39	/ 5		
reaction time		interval				13.23		# of strides	13.16	13.23
wind	0.1 m/s	velocity		7.60		3.79	7.58		7.60	7.56
Hamrén, Malin (SWE) (1986)										
C FINAL - 2007 Windsprint (Sundsvall, SWE)										
date	24-Jul-07	time		13.20	19.60	26.56	26.56	4 / 2		
reaction time		interval			6.40	6.96		# of strides	13.20	13.36
wind	0.2 m/s	velocity		7.58	7.81	7.18	7.53		7.58	7.49
El Houma, Hiba (MAR) (2005)										
National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
date	05-Jun-22	time	7.14	13.31	19.73	26.78	26.78	6 / 6		
reaction time	0.167	interval		6.17	6.42	7.05		# of strides	13.31	13.47
wind	1.1 m/s	velocity	7.00	8.10	7.79	7.09	7.47		7.51	7.42

Eliasson, Emilia (SWE) (1989)									
C FINAL	- 2007 Windsprint (Sundsvall, SWE)								(2007) - www.ssg.se/en/Windsprint/Split-times/
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
wind	0.2 m/s	velocity	7.39	7.66	7.02	7.36		7.39	7.33
Wallström, Frida (SWE) (1995)									
F FINAL	- 2014 Windsprint (Sundsvall, SWE)								Johansen (2014) - www.ssg.se/windsprint/Splittider/
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
wind	0.1 m/s	velocity	7.41		7.29	7.35		7.41	7.29
Hobaiba, Safae (MAR) (2004)									
National FINAL	- 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)								Omega Timing (2022) - diamond league race analysis
date	05-Jun-22	time	7.38	13.62	20.17	27.33	7 / 7		
reaction time	0.196	interval		6.24	6.55	7.16	# of strides	13.62	13.71
wind	1.1 m/s	velocity	6.78	8.01	7.63	6.98		7.34	7.29
Søgne sand, Emelie (NOR) (1994)									
F FINAL	- 2014 Windsprint (Sundsvall, SWE)								Johansen (2014) - www.ssg.se/windsprint/Splittider/
date	20-Jul-14	time	13.73		27.94	27.94	4 / 2		
reaction time		interval			14.21		# of strides	13.73	14.21
wind	0.1 m/s	velocity	7.28		7.04	7.16		7.28	7.04
Jirhed, Josefine (SWE) (1995)									
F FINAL	- 2014 Windsprint (Sundsvall, SWE)								Johansen (2014) - www.ssg.se/windsprint/Splittider/
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
wind	0.1 m/s	velocity	7.17		7.12	7.14		7.17	7.12
Strachan, Anthonique (BAH) (1993)									
Heat 6	- 2022 World Athletics Championships (Eugene, OR)								Timing by Seiko (2022) - world athletics championships race analysis
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
wind	1.9 m/s	velocity	8.82		1.01			8.82	1.01
Makrazi, Imane (MAR) (2002)									
National FINAL	- 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)								Omega Timing (2023) - diamond league race analysis
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

Felix, Allyson (USA) (1985)									
FINAL	- 2013 Great CityGames (Manchester, GBR) (150m straightaway)								Jalava (2013) - www.tilastopaja.org
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) (1989)									
FINAL	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)								(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx
date	17-May-09	time	6.16	11.14	16.54	16.54	1 / 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)									
FINAL	- 2013 Great CityGames (Manchester, GBR) (150m straightaway)								Minshall (2013) - world bests for shakes-draxton and felix in manchester
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)									
FINAL	- 2013 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
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)									
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	6.36	11.34	16.70	3 / 1			50-150m
reaction time	interval			4.98	PB	# of strides	11.34		10.34
wind	1.0 m/s	velocity	7.86	10.04	8.98		8.82		9.67
Williams, Jodie (GBR) (1993)									
FINAL	- 2013 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
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) (1983)									
Heat 1	- 2009 Great CityGames (Manchester, GBR) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-May-09	time	11.43	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)									
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	11.39	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)									
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	6.27	11.39	16.99	4 / 2			50-150m
reaction time	interval			5.12	PB	# of strides	11.39		10.72
wind	1.0 m/s	velocity	7.97	9.77	8.83		8.78		9.33
Barber, Mikele (USA) (1980)									
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	6.42	11.44	17.02	2 / 3			50-150m
reaction time	interval			5.02	PB	# of strides	11.44		10.60
wind	1.0 m/s	velocity	7.79	9.96	8.81		8.74		9.43
Thompson, Shaunna (GBR) (1992)									
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	11.47	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			
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	/ 1			50-150m
reaction time	interval			5.11	PB	# of strides	11.55		10.62
wind	1.0 m/s	velocity	7.76	9.78	8.79		8.66		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			
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)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx	
date	17-May-09	time	6.41	11.56	17.10	17.10	/ 2			50-150m
reaction time		interval		5.15	5.54		# of strides	11.56		10.69
wind	0.1 m/s	velocity	7.80	9.71	9.03	8.77		8.65		9.35
Adeoye, Margaret (GBR) (1985)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)									Jalava (2012) - www.tilastopaja.org	
date	15-Sep-12	time	6.38	11.54	17.11	17.11	1 / 4			50-150m
reaction time		interval		5.16	5.57	PB	# of strides	11.54		10.73
wind	1.0 m/s	velocity	7.84	9.69	8.98	8.77		8.67		9.32
Sprunger, Ellen (SUI) (1986)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)									Swiss Athletics (2016) - <i>sprint and hurdle analysis</i>	
date	07-May-16	time	6.46	11.60	17.18	17.18	/ 2			50-150m
reaction time		interval		5.14	5.58	PB	# of strides	11.60		10.72
wind	1.0 m/s	velocity	7.74	9.73	8.96	8.73		8.62		9.33
Thompson, Shaunna (GBR) (1992)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx	
date	17-May-09	time	6.40	11.60	17.20	17.20	/ 3			50-150m
reaction time		interval		5.20	5.60	PB	# of strides	11.60		10.80
wind	0.1 m/s	velocity	7.81	9.62	8.93	8.72		8.62		9.26
McConnell, Lee (GBR) (1978)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx	
date	17-May-09	time	6.53	11.67	17.28	17.28	/ 4			50-150m
reaction time		interval		5.14	5.61	PB	# of strides	11.67		10.75
wind	0.1 m/s	velocity	7.66	9.73	8.91	8.68		8.57		9.30
Kora, Salomé (SUI) (1994)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)									Swiss Athletics (2016) - <i>sprint and hurdle analysis</i>	
date	07-May-16	time	6.56	11.75	17.29	17.29	/ 3			50-150m
reaction time		interval		5.19	5.54	PB	# of strides	11.75		10.73
wind	1.0 m/s	velocity	7.62	9.63	9.03	8.68		8.51		9.32
Oyepitan, Abi (GBR) (1979)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)									Butler (2011) - <i>Gay's last 100 in Manchester street 150</i>	
date	15-May-11	time	6.50	11.72	17.34	17.34	1 / 1			50-150m
reaction time		interval		5.22	5.62		# of strides	11.72		10.84
wind	1.6 m/s	velocity	7.69	9.58	8.90	8.65		8.53		9.23
Thompson, Shaunna (GBR) (1992)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									Jalava (2009) - www.tilastopaja.org	
date	17-May-09	time		11.73	17.37	17.37	/ 1			
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)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 2 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									Jalava (2009) - www.tilastopaja.org	
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)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)									Butler (2011) - <i>Gay's last 100 in Manchester street 150</i>	
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)			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)									Butler (2011) - <i>Gay's last 100 in Manchester street 150</i>	
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)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)											
date		17-May-09		time	11.90		17.46		4 / 2		<i>Jalava (2009) - www.tilastopaja.org</i>
reaction time		interval				5.56		# of strides		11.90	
wind		-0.8 m/s		velocity	8.40		8.59				8.40
Atcho, Sarah (SUI) (1995)											
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>											
date		07-May-16		time	6.58		17.48		/ 4		50-150m
reaction time		interval				5.24		# of strides		11.82	
wind		1.0 m/s		velocity	7.60		8.58				10.90
					9.54						9.17
Nelson, Ashleigh (GBR) (1991)											
FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	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	6.41		17.64		4 / 4		50-150m
reaction time		interval				5.37		# of strides		11.78	
wind		1.6 m/s		velocity	7.80		8.50				11.23
					9.31						8.90
Onuora, Anyika (GBR) (1984)											
B FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2009) - www.tilastopaja.org</i>											
date		17-May-09		time	11.75		17.68		1 / 1		
reaction time		interval				5.93		# of strides		11.75	
wind		0.3 m/s		velocity	8.51		8.48				8.51
Del Ponte, Ajla (SUI) (1996)											
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>											
date		07-May-16		time	6.62		17.72		/ 5		50-150m
reaction time		interval				5.34		# of strides		11.96	
wind		1.0 m/s		velocity	7.55		8.47				11.10
					9.36						9.01
Douglas, Montell (GBR) (1986)											
FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2012) - www.tilastopaja.org</i>											
date		20-May-12		time	11.76		17.73		2 / 2		
reaction time		interval				5.97		# of strides		11.76	
wind		-0.4 m/s		velocity	8.50		8.46				8.50
Fraser, Donna (GBR) (1972)											
B FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2009) - www.tilastopaja.org</i>											
date		17-May-09		time	11.89		17.74		2 / 2		
reaction time		interval				5.85		# of strides		11.89	
wind		0.3 m/s		velocity	8.41		8.46				8.41
Douglas, Montell (GBR) (1986)											
B FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2009) - www.tilastopaja.org</i>											
date		17-May-09		time	11.85		17.78		3 / 3		
reaction time		interval				5.93		# of strides		11.85	
wind		0.3 m/s		velocity	8.44		8.44				8.44
Tavares, Sónia (POR) (1986)											
FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2012) - www.tilastopaja.org</i>											
date		20-May-12		time	11.84		17.82		4 / 3		
reaction time		interval				5.98		# of strides		11.84	
wind		-0.4 m/s		velocity	8.45		8.42				8.45
Douglas, Montell (GBR) (1986)											
Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2009) - www.tilastopaja.org</i>											
date		17-May-09		time	11.87		17.83		3 / 3		
reaction time		interval				5.96		# of strides		11.87	
wind		-0.8 m/s		velocity	8.42		8.41				8.42
Fraser, Donna (GBR) (1972)											
Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2009) - www.tilastopaja.org</i>											
date		17-May-09		time	12.03		17.87		1 / 4		
reaction time		interval				5.84		# of strides		12.03	
wind		-0.8 m/s		velocity	8.31		8.39				8.31

Shimada, Kohane (JPN) (2006)									
FINAL	- 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Oct-21	time	6.68	12.12	17.96	5 / 1			50-150m
reaction time		interval		5.44		# of strides	12.12		11.28
wind	1.1 m/s	velocity	7.49	9.19	8.56	11.14	79.0	8.25	8.87
Onuora, Anyika (GBR) (1984)									
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		11.98	17.98	/ 3			
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)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	17-May-09	time		12.03	18.13	4 / 4			
reaction time		interval			6.10	# 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)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	20-May-12	time		12.06	18.25	1 / 4			
reaction time		interval			6.19	# 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)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Oct-21	time	6.79	12.29	18.25	2 / 2			50-150m
reaction time		interval		5.50	5.96	# of strides	12.29		11.46
wind	1.1 m/s	velocity	7.36	9.09	8.39	10.96	76.0	8.14	8.73
Golay, Joëlle (SUI) (1987)									
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	6.86	12.45	18.35	/ 6			50-150m
reaction time		interval		5.59	5.90	# of strides	12.45		11.49
wind	1.0 m/s	velocity	7.29	8.94	8.47	8.17	8.03		8.70
Akaska, Miyuu (JPN) (2006)									
FINAL	- 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Oct-21	time	6.82	12.42	18.39	6 / 3			50-150m
reaction time		interval		5.60	5.97	# of strides	12.42		11.57
wind	1.1 m/s	velocity	7.33	8.93	8.38	10.88	75.5	8.05	8.64
Claxton, Sarah (GBR) (1979)									
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		12.36	18.51	/ 4			
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)									
FINAL	- 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Oct-21	time	6.87	12.52	18.53	3 / 4			50-150m
reaction time		interval		5.65	6.01	# of strides	12.52		11.66
wind	1.1 m/s	velocity	7.28	8.85	8.32	10.79	78.0	7.99	8.58
Seta, Haruna (JPN) (2006)									
FINAL	- 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m straightaway)	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
date	23-Oct-21	time	7.01	12.75	18.73	7 / 5			50-150m
reaction time		interval		5.74	5.98	# of strides	12.75		11.72
wind	1.1 m/s	velocity	7.13	8.71	8.36	10.68	75.5	7.84	8.53