

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

LAST UPDATE: 16-Oct-23

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Adachi, Marin (JPN) (2003)</b>											
<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)							<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>				
date	25-Oct-20	time	6.67	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	
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)							<i>Kiyama (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	
<b>Adachi, Yuha (JPN) (2002)</b>											
<b>U20 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)							<i>Kiyama (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	
<b>Adeoye, Margaret (GBR) (1985)</b>											
<b>FINAL</b> - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)							<i>Jalava (2012) - www.tilastopaja.org</i>				
date	15-Sep-12	time	6.38	11.54	17.11		17.11	1 / 4			<b>50-150m</b>
reaction time		interval		5.16	5.57		<b>PB</b>	# of strides	11.54		10.73
wind	1.0 m/s	velocity	7.84	9.69	8.98		8.77		8.67		9.32
<b>FINAL</b> - 2012 Great CityGames (Manchester, GBR) (200m straightaway)							<i>Jalava (2012) - www.tilastopaja.org</i>				
date	20-May-12	time		11.64		23.56	23.56	1 / 3			
reaction time		interval				11.92		# of strides	11.64	11.92	-0.28
wind	-0.3 m/s	velocity		8.59		4.24	8.49		8.59	8.39	
<b>Agerbjer, Emma (SWE) (1985)</b>											
<b>B FINAL</b> - 2007 Windsprint (Sundsvall, SWE)							<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>				
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	0.25
wind	2.0 m/s	velocity		7.99	8.33	7.97	8.07		7.99	8.15	
<b>Ahoure, Murielle (CIV) (1987)</b>											
<b>FINAL</b> - 2012 Olympic Games (London, GBR)							<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	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	
<b>Ahye, Michelle-Lee (TTO) (1992)</b>											
<b>FINAL</b> - 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	
<b>Akashi, Yuri (JPN)</b>											
<b>FINAL</b> - 2011 Japanese National High School Championships (Kitakyu, JPN)							<i>Aburahi (2011) - 64th high school championships: JAF scientific committee- biomechanics</i>				
date	06-Aug-11	time	7.08	13.58	18.28	24.71	24.71	1 / 5			
reaction time		interval		6.50	4.70	6.43		# of strides	13.58	11.13	2.45
wind	0.0 m/s	velocity	7.06	7.69	10.64	7.78	8.09		7.36	8.98	
<b>Akaska, Miyuu (JPN) (2006)</b>											
<b>FINAL</b> - 2021 Japanese U16 National Championships (Matsuyama, JPN)							<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>				
date	23-Oct-21	time	6.82	12.42	18.39		18.39	6 / 3			<b>50-150m</b>
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	
<b>Akinosun, Morolake (USA) (1994)</b>											
<b>FINAL</b> - 2021 Bauhaus Galan (Stockholm, SWE)							<i>Omega Timing (2021) - diamond league race analysis</i>				
date	04-Jul-21	time	6.5	11.8	17.2	22.97	22.97	4 / 5			
reaction time	0.161	interval		5.30	5.40	5.77		# of strides	11.80	11.17	0.63
wind	-0.4 m/s	velocity	7.69	9.43	9.26	8.67	8.71	105.7	8.47	8.95	

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

**FINAL - 2015 NCAA Championships (Eugene, OR)**

date	13-Jun-15	time	11.7	22.5	22.52
reaction time		interval		10.80	<b>PB</b>
wind	1.9 m/s	velocity	8.55	9.26	8.88

*USTFCCCA (2017) - NCAA DI outdoor championship history*

	7 / 5
# of strides	11.70 10.80 0.90
	8.55 9.26

**Akinyemi, Folake (NOR) (1990)**

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

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

date	17-Jun-12	time	12.10	23.85	23.85		1 / 3			
reaction time		interval		11.75			# of strides	12.10	11.75	0.35
wind	2.2 m/s	velocity	8.26	4.19	8.39			8.26	8.51	

**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 / <del>6</del>	
reaction time	0.243	interval		5.21	5.52	5.99	<b>DV</b>		# 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

**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 / <del>5</del>	
reaction time	0.231	interval		5.20	5.55	6.04	<b>DV</b>		# 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

**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	

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

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	

**Heat 4 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

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	

**FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2023) - diamond league race analysis*

date	21-Jul-23	time	6.23	11.26	16.50	22.08	22.08		7 / 2	
reaction time	0.210	interval		5.03	5.24	5.58		# of strides	11.26	10.82 0.44
wind	0.2 m/s	velocity	8.03	9.94	9.54	8.96	9.06		99.0	8.88 9.24

**Allwood, Rose (JAM) (1952)**

**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	11.61	17.14	23.11	23.11		2 / 8		
reaction time		interval		5.53	5.97			# of strides	11.61	11.50 0.11
wind	1.1 m/s	velocity	8.61	9.04	8.38	8.65		92.2	8.61	8.70

**Ambrosini, Coralie (SUI) (1997)**

**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	11.9	17.7	24.27	24.27		8 / 7	
reaction time	0.135	interval		5.40	5.80	6.57		# of strides	11.90	12.37 -0.47
wind	-0.9 m/s	velocity	7.69	9.26	8.62	7.61	8.24		8.40	8.08

**Anderson, Alexandria (USA) (1987)**

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

**Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)***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 0.11
wind	-0.1 m/s	velocity	7.85	9.45	9.19	8.18	8.62		8.58	8.66

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

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 0.34
wind	1.3 m/s	velocity	7.67	9.45	9.14	8.33	8.59		8.47	8.72

**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	0.22
wind	0.0 m/s	velocity	7.85	9.45	9.28	8.26	8.66		8.58	8.74	

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

USATF Women's Sprint Development (2005)

date	24-Jun-05	time		11.61	17.11	22.96	22.96	5 / 2			
reaction time		interval			5.50	5.85	<b>PB</b>	# 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	

**Anderson, Andrea (USA) (1977)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**FINAL - 1996 USATF National Junior Championships (Delaware, OH)**

USATF Women's Sprint Development (1996)

date	29-Jun-96	time	6.61	11.96	17.56	23.85	23.85	6 / 3			
reaction time		interval		5.35	5.60	6.29		# of strides	11.96	11.89	0.07
wind	-1.3 m/s	velocity	7.56	9.35	8.93	7.95	8.39		8.36	8.41	

**Anderson, Shani (GBR) (1975)**

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	6.59	11.88	17.49	23.60	23.60	/ 8			
reaction time	0.145	interval		5.29	5.61	6.11		# of strides	11.88	11.72	0.16
wind	1.0 m/s	velocity	7.59	9.45	8.91	8.18	8.47		8.42	8.53	

**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)**

Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988

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	

**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	

**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	

**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)**

Kota (2016) - 69th high school championships: JAF scientific committee

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	

**Aono, Akari (JPN) (2000)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)**

Kota (2017) - 70th high school championships: JAF scientific committee

date	01-Aug-17	time	6.31	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	

**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)**

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

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	

**Aono, Shuri (JPN) (2000)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)**

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	

**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)**

Kota (2018) - 71st high school championships: JAF scientific committee

date	05-Aug-18	time	6.27	12.15	17.76	23.89	23.89	4 / 2			
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

reaction time	interval	5.88	5.61	6.13	# of strides	12.15	11.74	0.41
wind	0.8 m/s velocity	7.97	8.50	8.91	8.16	8.37	8.23	8.52

<b>Aoyama, Hanae (JPN) (2002)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>				
date	25-Oct-20	time	6.71	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	0.51	
wind	4.3 m/s	velocity	7.45	9.01	8.88	8.17	8.33	101.6	8.16	8.51
<b>FINAL</b> - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)						<i>Ryutaro (2018) - research on athlete performance and technique</i>				
date	21-Oct-18	time	6.78	12.30	18.11	24.56	24.56	3 / 2		
reaction time	0.175	interval	5.52	5.81	6.45	# of strides	12.30	12.26	0.04	
wind	1.5 m/s	velocity	7.37	9.06	8.61	7.75	8.14	8.13	8.16	
<b>Aoyama, Seika (JPN) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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
<b>FINAL</b> - 2020 All Japan Corporate Championships (Kumagaya, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>				
date	20-Sep-20	time	6.74	12.23	17.97	24.03	24.03	7 / 2		
reaction time	0.170	interval	5.49	5.74	6.06	# of strides	12.23	11.80	0.43	
wind	0.6 m/s	velocity	7.42	9.11	8.71	8.25	8.32	8.18	8.47	
<b>Race 2</b> - 2020 World Athletics Trials (Fuji, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>				
date	06-Sep-20	time	6.73	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	0.28	
wind	-0.7 m/s	velocity	7.43	9.11	8.64	8.13	8.28	8.18	8.38	
<b>B FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)						<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>				
date	03-May-19	time	6.85	12.44	18.21	24.42	24.42	3 / 5		
reaction time		interval	5.59	5.77	6.21	# of strides	12.44	11.98	0.46	
wind	-0.3 m/s	velocity	7.30	8.94	8.67	8.05	8.19	105.2	8.04	8.35
<b>Heat 1</b> - 2018 Shizuoka International Meeting (Fukuroi, JPN)						<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>				
date	03-May-18	time	6.95	12.68	18.59	24.92	24.92	8 / 8		
reaction time	0.253	interval	5.73	5.91	6.33	# of strides	12.68	12.24	0.44	
wind	0.6 m/s	velocity	7.19	8.73	8.46	7.90	8.03	7.89	8.17	
<b>FINAL</b> - 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	
<b>FINAL</b> - 2015 Japanese National Championships (Niigata, JPN)						<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>				
date	27-Jun-15	time	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	0.77	
wind	0.1 m/s	velocity	7.06	8.76	8.71	7.96	8.06	102.0	7.82	8.32
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN)						<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>				
date	01-Aug-12	time	6.80	12.60	18.17	24.38	24.38	7 / 5		
reaction time		interval	5.80	5.57	6.21	# of strides	12.60	11.78	0.82	
wind	0.3 m/s	velocity	7.35	8.62	8.98	8.05	8.20	7.94	8.49	
<b>Arron, Christine (FRA) (1973)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 1</b> - 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	8.91	8.85	8.97	
<b>FINAL</b> - 1997 European Cup (Munich, GER)						<i>Jung (2003) - http://www.fgs.uni-halle.de</i>				
date	22-Jun-97	time	6.35	11.42	16.80	22.89	22.89	/ 1		
reaction time		interval	5.07	5.38	6.09	# of strides	11.42	11.47	-0.05	
wind	-0.2 m/s	velocity	7.87	9.86	9.29	8.21	8.74	8.76	8.72	

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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Artymata, Eleni (CYP) (1986)</b>											
<b>FINAL - 2009 IAAF World Championships (Berlin, GER)</b>			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
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	0.39
wind	-0.1 m/s	velocity	7.68	9.63	9.14	8.56	8.68		8.55	8.84	
<b>Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)</b>			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	6.46	11.57	16.92	22.64	22.64	8 / 4			
reaction time	0.192	interval		5.11	5.35	5.72	NR	# of strides	11.57	11.07	0.50
wind	0.5 m/s	velocity	7.74	9.78	9.35	8.74	8.83		8.64	9.03	
<b>Heat 4 - 2009 IAAF World Championships (Berlin, GER)</b>			<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	
<b>Aruhn, Lena (SWE) (1970)</b>											
<b>FINAL - 2007 Windsprint (Sundsvall, SWE)</b>			<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>								
date	24-Jul-07	time		12.15	17.87	24.00	24.00	5 / 2			
reaction time		interval			5.72	6.13		# of strides	12.15	11.85	0.30
wind	0.6 m/s	velocity		8.23	8.74	8.16	8.33		8.23	8.44	
<b>Asher-Smith, Dina (GBR) (1995)</b>											
<b>Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)</b>			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		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	
<b>Heat 6 - 2023 World Athletics Championships (Budapest, HUN)</b>			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		11.42		22.46	22.46	8 / 1			
reaction time	0.157	interval				11.04		# of strides	11.42	11.04	0.38
wind	-0.3 m/s	velocity		8.76		9.06	8.90	95.0	8.76	9.06	
<b>FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	21-Jul-23	time	6.12	11.16	16.48	22.23	22.23	4 / 3			
reaction time	0.153	interval		5.04	5.32	5.75		# of strides	11.16	11.07	0.09
wind	0.2 m/s	velocity	8.17	9.92	9.40	8.70	9.00	95.0	8.96	9.03	
<b>FINAL - 2023 Bauhaus Galan (Stockholm, SWE)</b>			<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	
<b>FINAL - 2023 Meeting de Paris (Paris, FRA)</b>			<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	
<b>FINAL - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	21-Jul-22	time		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	
<b>Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time		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	
<b>Heat 4 - 2022 World Athletics Championships (Eugene, OR)</b>			<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	
<b>FINAL - 2022 Bauhaus Galan (Stockholm, SWE)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
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

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wind	0.1 m/s	velocity	8.20	9.90	9.40	8.47	8.94	95.0	8.97	8.91	
<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b>								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	09-Jun-22	time	6.15	11.21	16.50	22.27	22.27	5 / 3			
reaction time	0.156	interval		5.06	5.29	5.77		# of strides	11.21	11.06	0.15
wind	1.3 m/s	velocity	8.13	9.88	9.45	8.67	8.98	95.2	8.92	9.04	
<b>FINAL - 2022 Doha Diamond League (Doha, QAT)</b>								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	13-May-22	time	6.2	11.3	16.7	22.37	22.37	4 / 3			
reaction time	0.160	interval		5.10	5.40	5.67		# of strides	11.30	11.07	0.23
wind	1.3 m/s	velocity	8.06	9.80	9.26	8.82	8.94	93.5	8.85	9.03	
<b>FINAL - 2021 Memorial van Damme (Brussels, BEL)</b>								<i>Omega Timing (2021) - diamond league race analysis</i>			
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	
<b>FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)</b>								<i>Omega Timing (2021) - diamond league race analysis</i>			
date	10-Jun-21	time	6.3	11.4	16.7	22.06	22.06	5 / 1			
reaction time	0.136	interval		5.10	5.30	5.36		# of strides	11.40	10.66	0.74
wind	0.2 m/s	velocity	7.94	9.80	9.43	9.33	9.07	94.0	8.77	9.38	
<b>FINAL - 2019 IAAF World Championships (Doha, QAT)</b>								<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>			
date	02-Oct-19	time	6.07	11.05	16.25	21.88	21.88	7 / 1			
reaction time	0.138	interval		4.98	5.20	5.63	<b>NR PB</b>	# of strides	11.05	10.83	0.22
wind	0.9 m/s	velocity	8.24	10.04	9.62	8.88	9.14	92.7	9.05	9.23	
<b>FINAL - 2019 Weltklasse (Zürich, SUI)</b>								<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	
<b>FINAL - 2019 Müller Grand Prix (Birmingham, GBR)</b>								<i>Omega Timing (2019) - diamond league race analysis</i>			
date	18-Aug-19	time	6.3	11.4	16.8	22.36	22.36	5 / 2			
reaction time	0.147	interval		5.1	5.4	5.56		# of strides	11.40	10.96	0.44
wind	0.4 m/s	velocity	7.94	9.80	9.26	8.99	8.94	96.2	8.77	9.12	
<b>FINAL - 2017 IAAF World Championships (London, GBR)</b>								<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>			
date	11-Aug-17	time		11.09	16.34	22.05	22.22	8 / 4			
reaction time	0.169	interval			5.25	5.71		# of strides	11.09	10.96	0.13
wind	0.8 m/s	velocity		9.02	9.52	8.76	9.00	96.2	9.02	9.12	
<b>Semi-Final 3 - 2017 IAAF World Championships (London, GBR)</b>								<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>			
date	10-Aug-17	time		11.13	16.55	22.58	22.73	4 / 2			
reaction time	0.153	interval			5.42	6.03		# of strides	11.13	11.45	-0.32
wind	-0.2 m/s	velocity		8.98	9.23	8.29	8.80	97.4	8.98	8.73	
<b>FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)</b>								<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>			
date	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	
<b>FINAL - 2015 IAAF World Championships (Beijing, CHN)</b>								<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	<b>NR PB</b>	# 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	

<b>Ashford, Evelyn (USA) (1957)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 1981 IAAF World Cup (Rome, ITA)</b>											
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	

<b>Assel, Anna Lena (GER) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2010 German National Junior Championships (Ulm, GER)</b>										
date	07-Aug-10	time		12.83	18.76	25.21	25.21	/ 6		

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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	

<b>Atcho, Sarah (SUI) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 2023 Athletissima (Lausanne, SUI)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>					
date	30-Jun-23	time	6.43	11.72	17.36	23.53	23.53	6 / 3			
reaction time	0.129	interval		5.29	5.64	6.17		# of strides	11.72	11.81	-0.09
wind	-0.4 m/s	velocity	7.78	9.45	8.87	8.10	8.50		8.53	8.47	
<b>FINAL - 2023 FBK Games (Hengelo, NED)</b>						<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	
<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>						<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	
<b>FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)</b>						<i>Omega Timing (2021) - diamond league race analysis</i>					
date	10-Jun-21	time	6.8	12.3	18.1	24.43	24.43	1 / 8			
reaction time	0.145	interval		5.50	5.80	6.33		# of strides	12.30	12.13	0.17
wind	0.2 m/s	velocity	7.35	9.09	8.62	7.90	8.19		8.13	8.24	
<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b>						<i>Omega Timing (2019) - diamond league race analysis</i>					
date	05-Jul-19	time	6.5	11.8	17.3	23.41	23.41	7 / 6			
reaction time	0.139	interval		5.3	5.5	6.11		# of strides	11.80	11.61	0.19
wind	1.0 m/s	velocity	7.69	9.43	9.09	8.18	8.54		8.47	8.61	
<b>Semi-Final 1 - 2017 IAAF World Championships (London, GBR)</b>						<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>					
date	10-Aug-17	time		11.44	16.95	22.99	23.12	8 / 6			
reaction time	0.134	interval			5.51	6.04		# of strides	11.44	11.55	-0.11
wind	-0.2 m/s	velocity		8.74	9.07	8.28	8.65		8.74	8.66	
<b>FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)</b>						<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>					
date	21-May-16	time		11.80	17.43	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	
<b>FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)</b>						<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>					
date	07-May-16	time	6.58	11.82	17.48		17.48	1 / 4			
reaction time		interval		5.24	5.66		<b>PB</b>	# of strides	11.82	10.90	
wind	1.0 m/s	velocity	7.60	9.54	8.83		8.58		8.46	9.17	
<b>Atherley, Michelle (USA) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)</b>						<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		8.27	8.42	
<b>Azarashvili, Maya (URS) (1964)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b>						<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>					
date	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		8.76	9.16	
<b>Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)</b>						<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>					
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		8.80	9.12	
<b>Azevedo, Ana Carolina (BRA) (1998)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b>						<i>Seiko Timing (2023) - world championship race analysis</i>					
date	23-Aug-23	time		11.75		23.45	23.45	2 / 7			
reaction time	0.182	interval				11.70		# of strides	11.75	11.70	0.05
wind	-0.4 m/s	velocity		8.51		8.55	8.53		8.51	8.55	

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DV=Drug Violation

**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	

**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	

**Bailey, Aleen (JAM) (1980)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2007 IAAF World Championships (Osaka, JPN)**      *Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	31-Aug-07	time	11.4	22.72	22.72	4 / 6			
reaction time	0.191	interval		11.32		# of strides	11.40	11.32	0.08
wind	1.7 m/s	velocity	8.77	8.83	8.80	92.7	8.77	8.83	

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

date	25-Aug-04	time	11.4	22.4	22.42	6 / 4			
reaction time		interval		11.0		# of strides	11.40	11.00	0.40
wind	0.8 m/s	velocity	8.77	9.09	8.92		8.77	9.09	

**Bailey, Angela (CAN) (1962)**      **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	11.66	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

**Bamane, Gladys (SWE) (1989)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**B FINAL - 2014 Windsprint (Sundsvall, SWE)**      *Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	12.55	24.62	24.62	2 / 2			
reaction time		interval		12.07	<b>PB</b>		# of strides	12.55	12.07
wind	1.8 m/s	velocity	7.97	8.29	8.12			7.97	8.29

**Banno, Rio (JPN) (1990)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2016 Japanese National Championships (Nagoya, JPN)**      *Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	26-Jun-16	time	6.60	12.06	17.79	24.07	24.07	1 / 6	
reaction time		interval		5.46	5.73	6.28		# of strides	12.06
wind	1.8 m/s	velocity	7.58	9.16	8.73	7.96	8.31		12.01

**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
wind	0.1 m/s	velocity	7.41	8.93	8.62	7.99	8.19	98.7	12.06

**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	8 / 5	
reaction time		interval		5.64	5.85	6.11		# of strides	12.44
wind	1.7 m/s	velocity	7.35	8.87	8.55	8.18	8.20	98.0	11.96

**FINAL - 2012 Japanese National High School Championships (Niigata, JPN)**      *Yasunori (2012) - 65th high school championships: JAF scientific committee*

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
wind	0.3 m/s	velocity	7.32	8.73	8.96	8.03	8.21		11.81

**FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)**      *Abe (2008) - 61st high school championships: JAF scientific committee*

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
wind	-2.4 m/s	velocity	7.49	8.79	8.18	7.75	8.02		12.56

**Baptiste, Kelly-Ann (TTO) (1986)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)**      *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	20-Aug-09	time	6.37	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
wind	0.5 m/s	velocity	7.85	9.69	9.17	8.36	8.71		11.43

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



<b>Heat 2 - 2009 IAAF World Championships (Berlin, GER)</b>					<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	19-Aug-09	time	6.33	11.47	16.95	23.00	23.00	5 / 2				
reaction time	0.142	interval		5.14	5.48	6.05		# of strides	11.47	11.53	-0.06	
wind	0.1 m/s	velocity	7.90	9.73	9.12	8.26	8.70		8.72	8.67		

<b>Barakat, Hanna (PLE) (1999)</b>					<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 6 - 2022 World Athletics Championships (Eugene, OR)</b>					<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		13.56		26.33	26.33	1 / 7					
reaction time	0.184	interval			12.77			# of strides	13.56	12.77	0.79		
wind	1.9 m/s	velocity		7.37		7.83	7.60		7.37	7.83			

<b>Barber, Jade (USA) (1993)</b>					<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)</b>					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>								
date	03-May-17	time	6.75	12.30	18.32	24.80	24.80	8 / 6					
reaction time		interval		5.55	6.02	6.48		# of strides	12.30	12.50	-0.20		
wind	-0.5 m/s	velocity	7.41	9.01	8.31	7.72	8.06		8.13	8.00			

<b>Barber, Me'Lisa (USA) (1980)</b>					<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2005 USATF National Championships (Carson, CA)</b>					<i>USATF Women's Sprint Development (2005)</i>								
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	<b>PB</b>	# of strides	11.29	11.08	0.21		
wind	0.3 m/s	velocity	7.86	10.14	9.36	8.71	8.94	99.2	8.86	9.03			

<b>Barber, Mikele (USA) (1980)</b>					<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)</b>					<i>Jalava (2012) - www.tilastopaja.org</i>								
date	15-Sep-12	time	6.42	11.44	17.02		17.02	2 / 3					<b>50-150m</b>
reaction time		interval		5.02	5.58		<b>PB</b>	# of strides	11.44		10.60		
wind	1.0 m/s	velocity	7.79	9.96	8.96		8.81		8.74		9.43		

<b>Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>					<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	05-Jul-08	time	6.50	11.66	17.08	23.04	23.04	3 / 7					
reaction time		interval		5.16	5.42	5.96		# of strides	11.66	11.38	0.28		
wind	0.0 m/s	velocity	7.69	9.69	9.23	8.39	8.68		8.58	8.79			

<b>Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)</b>					<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			

<b>Heat 2 - 2008 USA Olympic Trials (Eugene, OR)</b>					<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.62	11.88	17.20	23.10	23.10	6 / 3					
reaction time		interval		5.26	5.32	5.90		# of strides	11.88	11.22	0.66		
wind	0.0 m/s	velocity	7.55	9.51	9.40	8.47	8.66		8.42	8.91			

<b>Bass, Gina (GAM) (1995)</b>					<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)</b>					<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		11.76		23.10	23.10	3 / 8					
reaction time	0.141	interval				11.34		# of strides	11.76	11.34	0.42		
wind	-0.2 m/s	velocity		8.50		8.82	8.66	103.0	8.50	8.82			

<b>Heat 4 - 2023 World Athletics Championships (Budapest, HUN)</b>					<i>Seiko Timing (2023) - world championship race analysis</i>								
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			

<b>FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)</b>					<i>Omega Timing (2023) - diamond league race analysis</i>								
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			

<b>FINAL - 2022 Commonwealth Games (Birmingham, GBR)</b>					<i>Longines Timing (2022) - commonwealth games race analysis</i>								
date	06-Aug-22	time	6.3	11.7	17.2	23.13	23.13	2 / 5					
reaction time	0.150	interval		5.40	5.50	5.93		# of strides	11.70	11.43	0.27		
wind	0.6 m/s	velocity	7.94	9.26	9.09	8.43	8.65	101.7	8.55	8.75			

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

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

date	19-Jul-22	time	11.60	22.71	22.71	1 / 6			
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	

**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	

**FINAL - 2022 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2022) - diamond league race analysis*

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

**Bazolo, Loréne Dorcas (POR) (1983)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	11.64	23.13	23.13	2 / 6			
reaction time	0.163	interval		11.49		# of strides	11.64	11.49	0.15
wind	-0.7 m/s	velocity	8.59	8.70	8.65	97.5	8.59	8.70	

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

date	18-Jul-22	time	11.70	23.41	23.41	2 / 6			
reaction time	0.159	interval		11.71		# of strides	11.70	11.71	-0.01
wind	-0.2 m/s	velocity	8.55	8.54	8.54	99.5	8.55	8.54	

**Beecher, Jacinta (AUS) (1998)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	11.61	23.14	23.14	7 / 8			
reaction time	0.132	interval		11.53		# of strides	11.61	11.53	0.08
wind	2.0 m/s	velocity	8.61	8.67	8.64	95.7	8.61	8.67	

**Heat 6 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	11.61	23.22	23.22	3 / 3			
reaction time	0.133	interval		11.61		# of strides	11.61	11.61	0.00
wind	1.9 m/s	velocity	8.61	8.61	8.61	95.0	8.61	8.61	

**Bejnar, Monika (POL) (1981)****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	11.77	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

**Belimbasáki, María (GRE) (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 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

**Berntsson, Lena (SWE) (1978)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****B FINAL - 2008 Windsprint (Sundsvall, SWE)***(2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)*

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
wind	1.2 m/s	velocity	8.22	8.46	7.82	8.17		8.22	8.13

**Bestué, Jaël (ESP) (2000)****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	11.59	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	

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

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	

**FINAL - 2023 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2023) - diamond league race analysis*

date	02-Jul-23	time	6.34	11.44	16.78	22.59	22.59	3 / 3			
reaction time	0.169	interval		5.10	5.34	5.81		# of strides	11.44	11.15	0.29
wind	-0.6 m/s	velocity	7.89	9.80	9.36	8.61	8.85	104.0	8.74	8.97	

**Bikar, Alenka (SLO) (1974)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	6.46	11.75	17.32	23.37	23.37	1 / 8			
reaction time	0.143	interval		5.29	5.57	6.05		# of strides	11.75	11.62	0.13
wind	-0.3 m/s	velocity	7.74	9.45	8.98	8.26	8.56		8.51	8.61	

**Semi-Final 1 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	6.45	11.71	17.23	23.18	23.18	/ 4			
reaction time	0.163	interval		5.26	5.52	5.95		# of strides	11.71	11.47	0.24
wind	1.0 m/s	velocity	7.75	9.51	9.06	8.40	8.63		8.54	8.72	

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

date	10-Aug-01	time		11.3		23.00	23.00	8 / <del>7</del> 5			
reaction time	0.160	interval				11.70		# of strides	11.30	11.70	-0.40
wind	-0.8 m/s	velocity		8.85		8.55	8.70		8.85	8.55	

**Bily, Laurence (FRA) (1963)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 1989 IAAF World Cup (Barcelona, ESP)***Pascua (1990) - atletismo (I) carreras y marcha*

date	08-Sep-89	time		11.64	17.22	23.20	23.20	/ 6			
reaction time		interval			5.58	5.98		# of strides	11.64	11.56	0.08
wind	0.2 m/s	velocity		8.59	8.96	8.36	8.62		8.59	8.65	

**Block, Zhanna (UKR) (1972)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2000 Olympic Games (Sydney, AUS)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	28-Sep-00	time		11.4		22.7	22.66	8 / <del>8</del> 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	

**Pintusevich, Zhanna (UKR) (1972)****FINAL - 1997 IAAF World Championships (Athens, GRE)***Ritzdorf (1997) - biomechanical research project at Vth world championships athletics*

date	08-Aug-97	time	6.00	11.04	16.36	22.20	22.32	5 / 1			
reaction time	0.124	interval		5.04	5.32	5.84		# of strides	11.04	11.16	-0.12
wind	-0.7 m/s	velocity	8.33	9.92	9.40	8.56	8.96	97.5	9.06	8.96	

**Bochina, Natalya (URS) (1962)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 1986 European Championships (Stuttgart, FRG)***Veney - 200m women from PJ*

date	29-Aug-86	time		11.68		22.87	22.87	7 / 6			
reaction time	0.242	interval				11.19		# of strides	11.68	11.19	0.49
wind	-0.8 m/s	velocity		8.56		8.94	8.75		8.56	8.94	

**FINAL - 1980 Olympic Games (Moscow, URS)***Veney - 200m women from PJ*

date	30-Jul-80	time		11.43	16.70	22.19	22.19	6 / 2			
reaction time	0.166	interval			5.27	5.49	<b>AJR</b>	# 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	

**Bodendorf, Carla (GDR) (1953)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 1976 Olympic Games (Montreal, CAN)***Breizer (1984) - sprint competition analysis*

date	28-Jul-76	time		11.39	16.90	22.64	22.64	4 / 4			
reaction time		interval			5.51	5.74		# of strides	11.39	11.25	0.14
wind	0.0 m/s	velocity		8.78	9.07	8.71	8.83		8.78	8.89	

**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 / <del>7</del> 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	

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

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	

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Bokesa, Auri Lorena (ESP) (1988)</b>											
<b>FINAL</b> - 2021 Athletissima (Lausanne, SUI)		<i>Omega Timing (2021) - diamond league race analysis</i>									
date	26-Aug-21	time	6.9	12.3	17.9	23.64	23.64	8 / 7			
reaction time	0.196	interval		5.40	5.60	5.74		# of strides	12.30	11.34	0.96
wind	2.5 m/s	velocity	7.25	9.26	8.93	8.71	8.46		8.13	8.82	
<b>Boríková, Michaela (CZE) (1995)</b>											
<b>Heat 2</b> - 2013 Czech Republic National Championships (Tábor, CZE)		<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>									
date	16-Jun-13	time	6.91	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	-0.04
wind	-1.1 m/s	velocity	7.24	8.68	8.21	7.55	7.88		7.89	7.87	
<b>Borlée, Olivia (BEL) (1986)</b>											
<b>Heat 6</b> - 2009 IAAF World Championships (Berlin, GER)		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	19-Aug-09	time	6.40	11.61	17.13	23.25	23.25	8 / 3			
reaction time	0.166	interval		5.21	5.52	6.12		# of strides	11.61	11.64	-0.03
wind	0.0 m/s	velocity	7.81	9.60	9.06	8.17	8.60		8.61	8.59	
<b>Bowie, Towie (USA) (1990)</b>											
<b>FINAL</b> - 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				9.22	9.03	91.5	8.85	9.22	
<b>FINAL</b> - 2016 USA Olympic Trials (Eugene, OR)		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
date	10-Jul-16	time		11.2		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				9.05	8.99	91.7	8.93	9.05	
<b>Boyd, Denise (AUS) (1952)</b>											
<b>FINAL</b> - 1980 Olympic Games (Moscow, URS)		<i>Breizer (1984) - sprint competition analysis</i>									
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	
<b>Robertson, Denise (AUS) (1952)</b>											
<b>FINAL</b> - 1976 Olympic Games (Montreal, CAN)		<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>									
date	28-Jul-76	time		11.5		23.1	23.05	3 / 7			
reaction time		interval				11.60		# of strides	11.50	11.60	-0.10
wind	0.0 m/s	velocity			8.70	8.62	8.68		8.70	8.62	
<b>Semi-Final 2</b> - 1976 Olympic Games (Montreal, CAN)		<i>Breizer (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	<b>PB</b>	# of strides	11.43	11.48	-0.05
wind	0.0 m/s	velocity			8.75	8.77	8.65	8.73	8.75	8.71	
<b>Boyle, Raelene (AUS) (1951)</b>											
<b>FINAL</b> - 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	8.71	9.12	
<b>Brandt, Julia (GER) (1993)</b>											
<b>B FINAL</b> - 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	/ 6			
reaction time		interval			6.01	6.62		# of strides	13.01	12.63	0.38
wind	0.7 m/s	velocity			7.69	8.32	7.55	7.80	7.69	7.92	
<b>Breen, Melissa (AUS) (1990)</b>											
<b>FINAL</b> - 2017 Shizuoka International Meeting (Fukuroi, JPN)		<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>									
date	03-May-17	time	6.58	12.07	17.93	24.27	24.27	6 / 3			
reaction time		interval		5.49	5.86	6.34		# of strides	12.07	12.20	-0.13
wind	-0.5 m/s	velocity	7.60	9.11	8.53	7.89	8.24		8.29	8.20	
<b>FINAL</b> - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)		<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>									
date	03-May-16	time	6.53	11.99	17.81	24.15	24.15	/ 2			
reaction time		interval		5.46	5.82	6.34		# of strides	11.99	12.16	-0.17

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

wind -1.5 m/s velocity 7.66 9.16 8.59 7.89 8.28 8.34 8.22

<b>Brennan, Monica (AUS) (1994)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN) <i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>											
date	03-May-16	time	6.66	12.16	17.91	24.15	24.15	/ 3			
reaction time		interval		5.50	5.75	6.24		# of strides	12.16	11.99	0.17
wind	-1.5 m/s	velocity	7.51	9.09	8.70	8.01	8.28		8.22	8.34	

<b>Brisco-Hooks, Valerie (USA) (1960)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1984 Olympic Games (Los Angeles, CA) <i>Vogel (1984) - olympische spiele in los angeles</i>											
date	09-Aug-84	time		11.20		21.81	21.81	7 / 1			
reaction time	0.200	interval				10.61	<b>OR / PB</b>	# 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	

<b>Broadrick, Susanne (AUS) (1968)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP) <i>Pascua (1990) - atletismo (l) 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	

<b>Broadus, Juanita (USA) (1985)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA) <i>USATF Women's Sprint Development (2003)</i>											
date	21-Jun-03	time	6.71	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	

<b>Brooks, Taliyah (USA) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heptathlon - Heat 3</b> - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>											
date	19-Aug-23	time		12.02		23.85	23.85	5 / 3			
reaction time	0.144	interval				11.83		# of strides	12.02	11.83	0.19
wind	0.0 m/s	velocity		8.32		8.45	8.39	93.5	8.32	8.45	

<b>Brown, Alice (USA) (1960)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1988 USA Olympic Trials (Seoul, KOR) <i>Veney - 200m women from PJ</i>											
date	23-Jul-88	time		11.39	16.68	22.39	22.39	/ 5			
reaction time		interval			5.29	5.71	<b>PB</b>	# 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	

<b>Brown, Brittany (USA) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2022 Prefontaine Classic (Eugene, OR) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	28-May-22	time	6.34	11.57	16.99	22.74	22.74	6 / 2			
reaction time	0.151	interval		5.23	5.42	5.75		# of strides	11.57	11.17	0.40
wind	1.3 m/s	velocity	7.89	9.56	9.23	8.70	8.80	99.0	8.64	8.95	

<b>FINAL</b> - 2019 IAAF World Championships (Doha, QAT) <i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>											
date	02-Oct-19	time	6.28	11.25	16.49	22.22	22.22	6 / 2			
reaction time	0.228	interval		4.97	5.24	5.73	<b>PB</b>	# of strides	11.25	10.97	0.28
wind	0.9 m/s	velocity	7.96	10.06	9.54	8.73	9.00	92.0	8.89	9.12	

<b>FINAL</b> - 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	

<b>Brown, Kamaria (USA) (1992)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2015 NCAA Championships (Eugene, OR) <i>USTFCCCA (2017) - NCAA DI outdoor championship history</i>											
date	13-Jun-15	time		11.4		22.2	22.24	5 / 3			
reaction time		interval				10.80	<b>PB</b>	# of strides	11.40	10.80	0.60
wind	1.9 m/s	velocity		8.77		9.26	8.99		8.77	9.26	

<b>FINAL</b> - 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	0.60
wind	2.2 m/s	velocity		8.62		9.09	8.84		8.62	9.09	

<b>Brubak, Mari Gilde (NOR) (1990)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

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

date	20-Jul-14	time	13.10	25.51	25.51	3 / 2			
reaction time		interval		12.41		# of strides	13.10	12.41	0.69
wind	1.3 m/s	velocity	7.63	8.06	7.84		7.63	8.06	

**Bryant, Dezerea (USA) (1993)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2022 Prefontaine Classic (Eugene, OR)***Omega Timing (2022) - diamond league race analysis*

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
wind	1.3 m/s	velocity	8.05	9.45	9.09	8.46	8.73	102.0	8.70
									11.41
									0.09
									8.76

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

date	13-May-22	time	5.7	11.5	17.1	23.12	23.12	8 / 7	
reaction time	0.163	interval		5.80	5.60	6.02		# of strides	11.50
wind	1.3 m/s	velocity	8.77	8.62	8.93	8.31	8.65	102.0	8.70
									11.62
									-0.12
									8.61

**FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)***Omega Timing (2019) - diamond league race analysis*

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
wind	0.2 m/s	velocity	7.94	9.62	9.09	8.40	8.71	103.0	8.70
									11.45
									0.05
									8.73

**FINAL - 2021 Herculis Meeting International d'Athletisme (Monaco, MON)***Omega Timing (2021) - diamond league race analysis*

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
wind	0.7 m/s	velocity	7.94	9.62	9.26	8.49	8.78	103.0	8.70
									11.29
									0.21
									8.86

**FINAL - 2019 Müller Grand Prix (Birmingham, GBR)***Omega Timing (2019) - diamond league race analysis*

date	18-Aug-19	time	6.4	11.5	17.0	22.84	22.84	2 / 6	
reaction time	0.165	interval		5.1	5.5	5.84		# of strides	11.50
wind	0.4 m/s	velocity	7.81	9.80	9.09	8.56	8.76	104.0	8.70
									11.34
									0.16
									8.82

**FINAL - 2015 NCAA Championships (Eugene, OR)***USTFCCCA (2017) - NCAA DI outdoor championship history*

date	13-Jun-15	time		11.3		22.2	22.18	6 / 1	
reaction time		interval				10.90	<b>PB</b>	# of strides	11.30
wind	1.9 m/s	velocity		8.85		9.17	9.02		8.85
									10.90
									0.40
									9.17

**Buckel, Carlotta (GER) (1991)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**B FINAL - 2010 German National Junior Championships (Ulm, GER)***Graubner (2010) - http://www.fgs.uni-halle.de*

date	07-Aug-10	time		12.39	18.30	24.78	24.78	1 / 1	
reaction time		interval			5.91	6.48		# of strides	12.39
wind	-0.2 m/s	velocity		8.07	8.46	7.72	8.07		8.07
									12.39
									0.00
									8.07

**Bumbescu, Monika (ROU) (1977)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 1997 European Cup (Munich, GER)***Jung (2003) - http://www.fgs.uni-halle.de*

date	22-Jun-97	time	6.70	12.18	17.95	24.29	24.29	1 / 8	
reaction time		interval		5.48	5.77	6.34		# of strides	12.18
wind	-0.2 m/s	velocity	7.46	9.12	8.67	7.89	8.23		8.21
									12.11
									0.07
									8.26

**Burghardt, Alexandra (GER) (1994)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2023 Athletissima (Lausanne, SUI)***Omega Timing (2023) - diamond league race analysis*

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
wind	-0.4 m/s	velocity	7.79	9.51	8.96	8.10	8.54		8.56
									11.75
									-0.07
									8.51

**Bürgi, Céline (SUI) (1999)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2023 Athletissima (Lausanne, SUI)***Omega Timing (2023) - diamond league race analysis*

date	30-Jun-23	time	6.42	11.74	17.40	23.60	23.60	2 / 7	
reaction time	0.132	interval		5.32	5.66	6.20		# of strides	11.74
wind	-0.4 m/s	velocity	7.79	9.40	8.83	8.06	8.47		8.52
									11.86
									-0.12
									8.43

**FINAL - 2022 Athletissima (Lausanne, SUI)***Omega Timing (2022) - diamond league race analysis*

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
wind	-0.9 m/s	velocity	7.81	9.43	8.77	7.68	8.36		8.55
									12.21
									-0.51
									8.19

**Burkett, Aspen (USA) (1976)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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DV=Drug Violation

<b>Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)</b>							<i>USATF Women's Sprint Development (1996)</i>			
date	22-Jun-96	time	12.03	17.46	23.36	23.36	8 / 5			
reaction time		interval		5.43	5.90		# of strides	12.03	11.33	0.70
wind	-0.5 m/s	velocity	8.31	9.21	8.47	8.56		8.31	8.83	

<b>FINAL - 1995 USATF National Championships (Sacramento, CA)</b>							<i>USATF Women's Sprint Development (1995)</i>				
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	

<b>Busk, Daniella (SWE) (1993)</b>							<i>USATF Women's Sprint Development (2013) - www.ssg.se/windsprint/Splittider/</i>				
<b>B FINAL - 2013 Windsprint (Sundsvall, SWE)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	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		

<b>Cai Yanting (CHN) (2000)</b>							<i>CAA Hurdle Development (2021)</i>				
<b>Heat 2 - 2021 Chinese National Championships (Chongqing, CHN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	27-Jun-21	time	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	

<b>FINAL - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>							<i>CAA Hurdle Development (2021)</i>				
date	13-Jun-21	time		11.93		23.82	23.82	8 / 5			
reaction time	0.151	interval				11.89		# of strides	11.93	11.89	0.04
wind	0.2 m/s	velocity		8.38		8.41	8.40	98.0	8.38	8.41	

<b>Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>							<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	

<b>FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)</b>							<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>				
date	03-Aug-19	time	6.78	12.14	17.97	24.36	24.36	1 / 7			
reaction time		interval		5.36	5.83	6.39		# of strides	12.14	12.22	-0.08
wind	0.2 m/s	velocity	7.37	9.33	8.58	7.82	8.21		8.24	8.18	

<b>Caicedo, Nicole (ECU) (2000)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
<b>Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	23-Aug-23	time		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	

<b>Caligiuri, Iris (SUI) (2003)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	26-Aug-22	time	6.6	12.1	18.0	24.39	24.39	1 / 8			
reaction time	0.127	interval		5.50	5.90	6.39	=PB	# of strides	12.10	12.29	-0.19
wind	-0.9 m/s	velocity	7.58	9.09	8.47	7.82	8.20		8.26	8.14	

<b>Callender, Beverley (GBR) (1956)</b>							<i>Veney - 200m women from PJ</i>				
<b>FINAL - 1980 Olympic Games (Moscow, URS)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	30-Jul-80	time		11.82	17.08	22.72	22.72	5 / 6			
reaction time	0.171	interval			5.26	5.64	PB	# of strides	11.82	10.90	0.92
wind	1.4 m/s	velocity		8.46	9.51	8.87	8.80		8.46	9.17	

<b>Caligiuri, Iris (SUI) (2003)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
<b>FINAL - 2023 Athletissima (Lausanne, SUI)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	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	

<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time	6.6	12.1	18.0	24.39	24.39	1 / 8			
reaction time	0.127	interval		5.50	5.90	6.39	=PB	# of strides	12.10	12.29	-0.19
wind	-0.9 m/s	velocity	7.58	9.09	8.47	7.82	8.20		8.26	8.14	

<b>Cambours, Léonie (FRA) (2000)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b>							<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	0.55	
wind	-0.1 m/s	velocity	7.82		8.17	7.99	101.0	7.82	8.17		

<b>Campbell, Juliet (JAM) (1970)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2001 IAAF World Championships (Edmonton, CAN)</b>							<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>				
date	10-Aug-01	time	11.3		22.99	22.99	2 / <del>6</del> 4				
reaction time	0.169	interval			11.69		# 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		

<b>FINAL - 1999 IAAF World Championships (Sevilla, ESP)</b>							<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>				
date	27-Aug-99	time	6.31	11.50	16.87	22.64	22.64	2 / 8			
reaction time	0.143	interval		5.19	5.37	5.77		# of strides	11.50	11.14	0.36
wind	0.6 m/s	velocity	7.92	9.63	9.31	8.67	8.83		8.70	8.98	

<b>Campbell-Brown, Veronica (JAM) (1982)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2015 IAAF World Championships (Beijing, CHN)</b>							<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>				
date	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	

<b>FINAL - 2012 Olympic Games (London, GBR)</b>							<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	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	

<b>FINAL - 2011 IAAF World Championships (Daegu, KOR)</b>							<i>KSSB (2011) - biomechanical analysis of men's 200m (final)</i>				
date	02-Sep-11	time	6.00	11.03	16.34	22.22	22.22	5 / 1			
reaction time	0.151	interval		5.03	5.31	5.88		# of strides	11.03	11.19	-0.16
wind	-1.0 m/s	velocity	8.33	9.94	9.42	8.50	9.00	98.5	9.07	8.94	

<b>FINAL - 2009 IAAF World Championships (Berlin, GER)</b>							<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	-0.07
wind	-0.1 m/s	velocity	8.08	10.10	9.35	8.53	8.95		8.98	8.92	

<b>Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)</b>							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	20-Aug-09	time	6.25	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	

<b>Heat 6 - 2009 IAAF World Championships (Berlin, GER)</b>							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	19-Aug-09	time	6.36	11.47	16.97	23.01	23.01	3 / 1			
reaction time	0.156	interval		5.11	5.50	6.04		# of strides	11.47	11.54	-0.07
wind	0.0 m/s	velocity	7.86	9.78	9.09	8.28	8.69		8.72	8.67	

<b>FINAL - 2008 Olympic Games (Beijing, CHN)</b>							<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	21-Aug-08	time		11.00		21.74	21.74	4 / 1			
reaction time	0.172	interval				10.74	<b>PB</b>	# 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	

<b>Campbell, Veronica (JAM) (1982)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2007 IAAF World Championships (Osaka, JPN)</b>							<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	

<b>FINAL - 2004 Olympic Games (Athens, GRE)</b>							<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	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	

<b>Carmichael, Nicole (USA) (1977)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 1996 USATF National Junior Championships (Delaware, OH)</b>							<i>USATF Women's Sprint Development (1996)</i>				
date	29-Jun-96	time	6.86	12.34		25.01	25.01	8 / 5			

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



reaction time	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

**Carter, Antonette (USA) (1984)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL** - 2005 USATF National Championships (Carson, CA) *USATF Women's Sprint Development (2005)*

date	26-Jun-05	time	6.59	11.76	16.65	23.15	23.15	1 / 8			
reaction time	interval	5.17	4.89	6.50	# of strides	11.76	11.39	0.37			
wind	0.3 m/s velocity	7.59	9.67	10.22	7.69	8.64	95.7	8.50	8.78		

**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 / <del>5</del> 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		

**Heat 1** - 2004 USA Olympic Trials (Sacramento, CA) *USATF Women's Sprint Development (2004)*

date	16-Jul-04	time	6.41	11.80	17.37	23.44	23.44	8 / 3			
reaction time	interval	5.39	5.57	6.07	# of strides	11.80	11.64	0.16			
wind	-0.6 m/s velocity	7.80	9.28	8.98	8.24	8.53		8.47	8.59		

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

date	21-Jun-03	time	6.77	12.51	18.29	24.78	24.78	8 / 8			
reaction time	interval	5.74	5.78	6.49	# of strides	12.51	12.27	0.24			
wind	-1.5 m/s velocity	7.39	8.71	8.65	7.70	8.07		7.99	8.15		

**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) *USATF Women's Sprint Development (2005)*

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				

**Cazier, Marie-Christine (FRA) (1963)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL** - 1986 European Championships (Stuttgart, FRG) *Veney - 200m women from PJ*

date	29-Aug-86	time	11.36		22.32	22.32	3 / 2				
reaction time	interval	10.96	<b>PB</b>	# of strides	11.36	10.96	0.40				
wind	-0.8 m/s velocity	8.80	9.12	8.96	8.80	9.12					

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

date	16-Jun-13	time	6.43	11.73	17.30	23.40	23.40	3 / 2			
reaction time	0.161 interval	5.30	5.57	6.10	<b>PB</b>	# 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		

**Heat 1** - 2013 Czech Republic National Championships (Tábor, CZE) *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.45	11.81	17.63	24.21	24.21	4 / 1			
reaction time	0.165 interval	5.36	5.82	6.58	# of strides	11.81	12.40	-0.59			
wind	-1.2 m/s velocity	7.75	9.33	8.59	7.60	8.26		8.47	8.06		

**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 / 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					

**Chadwick, Payton (USA) (1995)** 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	6.8	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	0.69			
wind	0.4 m/s velocity	7.35	9.26	8.93	8.46	8.44		8.20	8.69		

**Chand, Dutee (IND) (1996)** 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	6.38	11.66	17.18	23.20	23.20	3 / 2			
reaction time	0.149 interval	5.28	5.52	6.02	# of strides	11.66	11.54	0.12			
wind	-0.7 m/s velocity	7.84	9.47	9.06	8.31	8.62	106.0	8.58	8.67		

**Chapman, Maree (AUS) (1963)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

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 DV=Drug Violation

Veney - 200m women from PJ

**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	

**Cheeseborough, Chandra (USA) (1955) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1976 USA Olympic Trials (Eugene, OR)***Hymans (2008) - history of the US olympic trials - track and field*

date	24-Jun-76	time	11.5	22.6	22.64	1 / 2			
reaction time		interval		11.10		# of strides	11.50	11.10	0.40
wind	2.3 m/s	velocity	8.70	9.01	8.83		8.70	9.01	

**Chernova, Tatyana (RUS) (1988) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	15-Aug-09	time	6.73	12.24	17.99	24.13	24.13	1 / 5	
reaction time	0.127	interval		5.51	5.75	6.14		# of strides	12.24
wind	0.0 m/s	velocity	7.43	9.07	8.70	8.14	8.29		8.17
									8.41
									0.35

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

date	16-Jun-13	time	6.98	12.72	18.93	25.93	25.93	7 / 7	
reaction time	0.295	interval		5.74	6.21	7.00		# of strides	12.72
wind	-1.2 m/s	velocity	7.16	8.71	8.05	7.14	7.71		7.86
									13.21
									0.49

**Chudzik, Kamila (POL) (1986) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	15-Aug-09	time	6.80	12.28	18.03	24.33	24.33	7 / 3	
reaction time	0.187	interval		5.48	5.75	6.30	<b>PB</b>	# of strides	12.28
wind	-0.2 m/s	velocity	7.35	9.12	8.70	7.94	8.22		8.14
									8.30
									0.23

**Chukwuma, Rosemary (NGR) (2001) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	11.48	22.72	22.72	22.72	22.72	2 / 7	
reaction time	0.204	interval		11.24				# of strides	11.48
wind	2.0 m/s	velocity	8.71	8.90	8.80	101.5			8.71
									11.24
									0.24

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

date	18-Jul-22	time	11.68	22.93	22.93	22.93	22.93	3 / 5	
reaction time	0.189	interval		11.25				# of strides	11.68
wind	2.5 m/s	velocity	8.56	8.89	8.72	101.0			8.56
									11.25
									0.43

**Clark, Tamara (USA) (1999) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2023 Weltklasse (Zürich, SUI)***Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	6.32	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
wind	-0.8 m/s	velocity	7.91	9.65	9.11	8.40	8.72		8.70
									11.44
									0.06

**FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2023) - diamond league race analysis*

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
wind	0.2 m/s	velocity	7.92	9.73	9.07	8.52	8.76		8.73
									11.38
									0.07

**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
wind	-0.4 m/s	velocity	7.96	9.52	9.17	8.50	8.75		8.67
									11.33
									0.20

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

date	08-Sep-22	time	6.21	11.26	16.63	22.42	22.42	8 / 3	
reaction time	0.138	interval		5.05	5.37	5.79		# of strides	11.26
wind	-0.9 m/s	velocity	8.05	9.90	9.31	8.64	8.92		8.88
									11.16
									0.10

**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
wind	0.2 m/s	velocity	7.96	9.71	9.21	8.39	8.76		8.75
									11.39
									0.04

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

date	21-Jul-22	time	11.33	22.32	22.32	5 / 6			
reaction time	0.197	interval		10.99		# of strides	11.33	10.99	0.34
wind	0.6 m/s	velocity	8.83	9.10	8.96	101.0	8.83	9.10	

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

date	19-Jul-22	time	11.29	21.95	21.95	3 / 1			
reaction time	0.175	interval		10.66		# of strides	11.29	10.66	0.63
wind	1.4 m/s	velocity	8.86	9.38	9.11	99.5	8.86	9.38	

**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	

**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
wind	1.3 m/s	velocity	8.05	9.60	9.17	8.47	8.78	102.5	8.76	8.81

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

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

**FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)***Omega Timing (2019) - diamond league race analysis*

date	13-Jul-21	time	6.3	11.4	16.8	22.62	22.62	4 / 4		
reaction time	0.157	interval		5.10	5.40	5.82		# of strides	11.40	11.22
wind	0.2 m/s	velocity	7.94	9.80	9.26	8.59	8.84	101.0	8.77	8.91

**FINAL - 2021 Herculis Meeting International d'Athletisme (Monaco, MON)***Omega Timing (2021) - diamond league race analysis*

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
wind	0.7 m/s	velocity	7.94	9.62	8.93	8.55	8.71	101.0	8.70	8.73

**Claxton, Sarah (GBR) (1979)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****B FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2009) - www.tilastopaja.org*

date	17-May-09	time	12.03	18.13		18.13	4 / 4		
reaction time		interval		6.10		<b>PB</b>	# of strides	12.03	
wind	0.3 m/s	velocity	8.31	8.20		8.27		8.31	

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

date	17-May-09	time	12.36	18.51		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	

**Colander, LaTasha (USA) (1976)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2005 USATF National Championships (Carson, CA)***USATF Women's Sprint Development (2005)*

date	26-Jun-05	time	6.41	11.41	16.58	22.34	22.34	4 / 3		
reaction time		interval		5.00	5.17	5.76	<b>PB</b>	# of strides	11.41	10.93
wind	0.3 m/s	velocity	7.80	10.00	9.67	8.68	8.95	100.2	8.76	9.15

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

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	<b>PB</b>	# of strides	12.01	11.23
wind	0.0 m/s	velocity	7.47	9.40	9.31	8.53	8.61		8.33	8.90

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

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	<b>PB</b>	# 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

**Heat 2 - 2008 USA Olympic Trials (Eugene, OR)***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	<b>PB</b>	# of strides	11.99	11.38

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

wind 0.0 m/s velocity 7.53 9.35 9.23 8.39 8.56 8.34 8.79

<b>Collier, Ashley (USA) (1992)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2008 USATF National Junior Championships (Columbus, OH)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	22-Jun-08	time	12.24	17.95	24.12	24.12	5 / 6			
reaction time		interval		5.71	6.17		# of strides	12.24	11.88	0.36
wind	-2.4 m/s	velocity	8.17	8.76	8.10	8.29		8.17	8.42	

<b>Connolly, Ella (AUS) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2022 Commonwealth Games (Birmingham, GBR)						<i>Longines Timing (2022) - commonwealth games race analysis</i>				
date	06-Aug-22	time	6.3	11.6	17.2	23.21	23.21	8 / 6		
reaction time	0.147	interval		5.30	5.60	6.01		# of strides	11.60	11.61
wind	0.6 m/s	velocity	7.94	9.43	8.93	8.32	8.62	96.0	8.62	8.61
<b>Heat 5</b> - 2022 World Athletics Championships (Eugene, OR)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
date	18-Jul-22	time		11.62		23.27	23.27	3 / 5		
reaction time	0.136	interval				11.65		# of strides	11.62	11.65
wind	0.9 m/s	velocity		8.61		8.58	8.59	95.0	8.61	8.58

<b>Conte, Claudia (ESP) (1999)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heptathlon - Heat 1</b> - 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	<b>PB</b>		# of strides	12.45	12.32
wind	1.5 m/s	velocity		8.03		8.12	8.07	100.0	8.03	8.12

<b>Cox, Crystal (USA) (1979)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 4</b> - 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
wind	-0.6 m/s	velocity	7.80	9.71	9.33	8.45	8.76		8.65	8.87
<b>FINAL</b> - 2003 USATF National Championships (Palo Alto, CA)						<i>USATF Women's Sprint Development (2003)</i>				
date	22-Jun-03	time	6.62	11.99	17.27	23.11	23.11	7 / <del>6</del> 5		
reaction time		interval		5.37	5.28	5.84		# of strides	11.99	11.12
wind	0.0 m/s	velocity	7.55	9.31	9.47	8.56	8.65		8.34	8.99
<b>FINAL</b> - 1996 USATF National Junior Championships (Delaware, OH)						<i>USATF Women's Sprint Development (1996)</i>				
date	29-Jun-96	time	6.65	11.86	17.50	23.69	23.69	5 / 2		
reaction time		interval		5.21	5.64	6.19		# of strides	11.86	11.83
wind	-1.3 m/s	velocity	7.52	9.60	8.87	8.08	8.44		8.43	8.45

<b>Cox, Shana (USA) (1985)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 5</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	04-Jul-08	time	6.70	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
wind	2.0 m/s	velocity	7.46	9.40	9.04	8.40	8.51		8.32	8.71
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA)						<i>USATF Women's Sprint Development (2003)</i>				
date	21-Jun-03	time	6.67	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

<b>Cunningham, Nadia (JAM) (1978)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2007 Windsprint (Sundsvall, SWE)						<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>				
date	24-Jul-07	time	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

<b>Cuthbert, Juliet (JAM) (1964)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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
wind	0.3 m/s	velocity		8.69		9.02	8.85		8.69	9.02

**FINAL** - 1992 Olympic Games (Barcelona, ESP) *Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date 06-Aug-92 time 11.3 22.0 22.02 4 / 2

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

reaction time	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

<b>Dahmani, Ghita (MAR) (2005)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)						<i>Omega Timing (2023) - diamond league race analysis</i>					
date	28-May-23	time	7.15	13.12	19.34	26.12	26.12	2 / 6			
reaction time	0.170	interval		5.97	6.22	6.78	<b>PB</b>	# of strides	13.12	13.00	0.12
wind	1.4 m/s	velocity	6.99	8.38	8.04	7.37	7.66		7.62	7.69	

<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)						<i>Omega Timing (2022) - diamond league race analysis</i>					
date	05-Jun-22	time	7.18	13.19	19.52	26.24	26.24	2 / 4			
reaction time	0.197	interval		6.01	6.33	6.72		# of strides	13.19	13.05	0.14
wind	1.1 m/s	velocity	6.96	8.32	7.90	7.44	7.62		7.58	7.66	

<b>Daigle, Angela (USA) (1976)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL</b> - 2005 USATF National Championships (Carson, CA)						<i>USATF Women's Sprint Development (2005)</i>					
date	26-Jun-05	time	6.56	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	

<b>Semi-Final 3</b> - 2004 USA Olympic Trials (Sacramento, CA)						<i>USATF Women's Sprint Development (2004)</i>					
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	0.47
wind	-1.1 m/s	velocity	7.82	9.31	9.28	8.47	8.68		8.50	8.86	

<b>Heat 3</b> - 2004 USA Olympic Trials (Sacramento, CA)						<i>USATF Women's Sprint Development (2004)</i>					
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	<b>PB</b>	# 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	

<b>Daniels, Teahna (USA) (1997)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL</b> - 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		8.70	9.02	

<b>Danois, Johanna (FRA) (1987)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>Semi-Final 1</b> - 2009 IAAF World Championships (Berlin, GER)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
date	20-Aug-09	time	6.51	11.69	17.12	23.03	23.03	7 / 5			
reaction time	0.178	interval		5.18	5.43	5.91	<b>PB</b>	# 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	

<b>Heat 1</b> - 2009 IAAF World Championships (Berlin, GER)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
date	19-Aug-09	time	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	

<b>Davis, Courtne (USA) (1996)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL</b> - 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	

<b>Davis, Janice (USA) (1984)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL</b> - 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	

<b>Davis, Jessica (USA) (1992)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL</b> - 2008 USATF National Junior Championships (Columbus, OH)						<i>USATF Women's Sprint Development with HPC (2008)</i>					
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	

<b>Davis, Kevona (JAM) (2001)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

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

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	

**Heat 5 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	11.42	22.49	22.49	3 / 2			
reaction time	0.152	interval		11.07		# of strides	11.42	11.07	0.35
wind	-1.3 m/s	velocity	8.76	9.03	8.89	91.2	8.76	9.03	

<b>Davis-Thompson, Pauline (BAH) (1966)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2000 Olympic Games (Sydney, AUS)</b>					<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	28-Sep-00	time	11.3	22.3	22.27	3 / <del>2</del> 1			
reaction time	0.185	interval		11.0	<b>PB</b>	# of strides	11.30	11.00	0.30
wind	0.7 m/s	velocity	8.85	9.09	8.98		8.85	9.09	

**FINAL - 1991 IAAF World Championships (Tokyo, JPN)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	30-Aug-91	time	11.67	22.90	22.90	2 / 7			
reaction time		interval		11.23		# of strides	11.67	11.23	0.44
wind	-2.4 m/s	velocity	8.57	8.90	8.73	96.2	8.57	8.90	

**Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)***Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	29-Sep-88	time	6.61	11.77	17.10	22.67	22.67	8 / 7		
reaction time	0.320	interval		5.16	5.33	5.57	<b>PB</b>	# of strides	11.77	10.90
wind	1.7 m/s	velocity	7.56	9.69	9.38	8.98	8.82		8.50	9.17

**Davis, Tamari (USA) (2003)****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	6.13	11.22	16.48	22.30	22.30	5 / 3		
reaction time	0.123	interval		5.09	5.26	5.82	<b>PB</b>	# of strides	11.22	11.08
wind	0.8 m/s	velocity	8.16	9.82	9.51	8.59	8.97	91.5	8.91	9.03

**Day, Sharon (USA) (1985)****50m****100m****150m****200m****Official Time****Lane / Place****0-100m****100-200m****Differential****Heptathlon - Heat 4 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	15-Aug-09	time	6.84	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

**de Angeli, Virna (ITA) (1976)****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	6.68	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
wind	-0.2 m/s	velocity	7.49	9.33	9.07	8.29	8.48		8.31	8.67

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

date	15-Aug-09	time	6.82	12.59	18.72	25.32	25.32	2 / 3		
reaction time	0.187	interval		5.77	6.13	6.60		# of strides	12.59	12.73
wind	-0.3 m/s	velocity	7.33	8.67	8.16	7.58	7.90		7.94	7.86

**Defreitas, Beyonce (IVB) (2001)****50m****100m****150m****200m****Official Time****Lane / Place****0-100m****100-200m****Differential****Heat 5 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	11.91		23.81	23.81	8 / 7			
reaction time	0.191	interval			11.90		# of strides	11.91	11.90	0.01
wind	0.9 m/s	velocity	8.40		8.40	8.40	95.0	8.40	8.40	

**Del Ponte, Ajla (SUI) (1996)****50m****100m****150m****200m****Official Time****Lane / Place****0-100m****100-200m****Differential****FINAL - 2022 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2022) - diamond league race analysis*

date	30-Jun-22	time	6.32	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

**FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)***Swiss Athletics (2016) - sprint and hurdle analysis*

date	07-May-16	time	6.62	11.96	17.72		17.72	1 / 5		
reaction time		interval		5.34	5.76		<b>PB</b>	# of strides	11.96	11.10
wind	1.0 m/s	velocity	7.55	9.36	8.68		8.47		8.36	9.01

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Dia Longo, Fabé (FRA) (1977)</b>											
<b>Semi-Final 2 - 2002 European Championships (Munich, GER)</b>			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>								
date	09-Aug-02	time	6.67	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	
<b>FINAL - 2001 European Cup (Bremen, GER)</b>			<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>								
date	24-Jun-01	time	6.56	11.78	17.32	23.29	23.29	/ 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	
<b>Dobbin, Beth (GBR) (1994)</b>											
<b>FINAL - 2022 Weltklasse (Zürich, SUI)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	08-Sep-22	time	6.53	11.93	17.67	23.83	23.83	1 / 8			
reaction time	0.137	interval		5.40	5.74	6.16		# of strides	11.93	11.90	0.03
wind	-0.9 m/s	velocity	7.66	9.26	8.71	8.12	8.39		8.38	8.40	
<b>FINAL - 2022 Commonwealth Games (Birmingham, GBR)</b>			<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	
<b>Heat 3 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.70		23.04	23.04	8 / 4			
reaction time	0.117	interval				11.34		# of strides	11.70	11.34	0.36
wind	1.1 m/s	velocity		8.55		8.82	8.68	98.2	8.55	8.82	
<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b>			<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	0.26
wind	1.3 m/s	velocity	7.72	9.38	8.96	8.38	8.56	101.0	8.47	8.66	
<b>FINAL - 2022 Doha Diamond League (Doha, QAT)</b>			<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	
<b>FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)</b>			<i>Omega Timing (2019) - diamond league race analysis</i>								
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	0.48
wind	0.2 m/s	velocity	7.69	9.62	9.26	8.59	8.73	100.0	8.55	8.91	
<b>FINAL - 2021 Bauhaus Galan (Stockholm, SWE)</b>			<i>Omega Timing (2021) - diamond league race analysis</i>								
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	
<b>FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)</b>			<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	
<b>FINAL - 2019 The Match - Europe v USA (Minsk, BLR)</b>			<i>European Athletics (2019) - race analysis</i>								
date	10-Sep-19	time		11.74		22.92	22.92	4 / 2			
reaction time	0.146	interval				11.18		# of strides	11.74	11.18	0.56
wind	-0.1 m/s	velocity		8.52		8.94	8.73	97.2	8.52	8.94	
<b>Dobrynska, Nataliya (UKR) (1982)</b>											
<b>Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)</b>			<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	-0.24
wind	-0.2 m/s	velocity	7.32	8.99	8.31	7.56	7.99		8.07	7.92	
<b>Doha, Razki (MAR) (2001)</b>											
<b>National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date		time									

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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	<b>PB</b>	# of strides	12.73	12.72	0.01
wind	1.4 m/s	velocity	7.20	8.64	8.22	7.53	7.86		7.86	7.86	

**Dokter, Sofie (NED) (2002)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

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	

**Doi, Anna (JPN) (1995)**      **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	6.58	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	0.08
wind	1.7 m/s	velocity	7.60	9.14	8.73	8.01	8.33	106.2	8.30	8.35	

**FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)**      *Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	6.57	13.66	18.37	24.69	24.69	1 / 4			
reaction time		interval		7.09	4.71	6.32		# of strides	13.66	11.03	2.63
wind	0.0 m/s	velocity	7.61	7.05	10.62	7.91	8.10		7.32	9.07	

**Dorbisz, Iwona (POL) (1980)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2007 Windsprint (Sundsvall, SWE)**      *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time		12.03	17.72	23.99	23.99	6 / 1			
reaction time		interval			5.69	6.27		# of strides	12.03	11.96	0.07
wind	0.6 m/s	velocity		8.31	8.79	7.97	8.34		8.31	8.36	

**Douglas, Montell (GBR) (1986)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)**      *Jalava (2012) - www.tilastopaja.org*

date	20-May-12	time		11.76	17.73		17.73	2 / 2			
reaction time		interval			5.97			# of strides	11.76		
wind	-0.4 m/s	velocity		8.50	8.38		8.46		8.50		

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

date	17-May-09	time		11.85	17.78		17.78	3 / 3			
reaction time		interval			5.93			# of strides	11.85		
wind	0.3 m/s	velocity		8.44	8.43		8.44		8.44		

**Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)**      *Jalava (2009) - www.tilastopaja.org*

date	17-May-09	time		11.87	17.83		17.83	3 / 3			
reaction time		interval			5.96			# of strides	11.87		
wind	-0.8 m/s	velocity		8.42	8.39		8.41		8.42		

**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	

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

date	29-Sep-88	time	6.23	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	

**FINAL - 1986 European Championships (Stuttgart, FRG)**      *Veney - 200m women from PJ*

date	29-Jun-86	time		11.00	16.14	21.71	21.71	4 / 1			
reaction time	0.190	interval			5.14	5.57	<b>AR</b>	# 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	

**Duncan, Kimberlyn (USA) (1991)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2017 IAAF World Championships (London, GBR)**      *Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m*

date	11-Aug-17	time		11.15	16.46	22.39	22.59	9 / 6			
reaction time	0.198	interval			5.31	5.93		# of strides	11.15	11.24	-0.09
wind	0.8 m/s	velocity		8.97	9.42	8.43	8.85	101.4	8.97	8.90	

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

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DV=Drug Violation



date	10-Aug-17	time	11.35	16.72	22.55	22.73	4 / 2			
reaction time	0.183	interval		5.37	5.83		# of strides	11.35	11.20	0.15
wind	-0.2 m/s	velocity	8.81	9.31	8.58	8.80	99.6	8.81	8.93	

**FINAL - 2012 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

date	30-Jun-12	time	11.5		22.34	22.34	3 / 4			
reaction time	0.190	interval			10.84		# of strides	11.50	10.84	0.66
wind	1.0 m/s	velocity	8.70		9.23	8.95		8.70	9.23	

**Dunn, Paula (GBR) (1964)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)***Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	29-Sep-88	time	6.40	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

**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
wind	0.0 m/s	velocity	7.87	9.67	9.17	8.31	8.70		8.68	8.72

**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
wind	1.6 m/s	velocity	7.70	9.63	8.93	8.35	8.59		8.56	8.63

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

date	04-Jul-08	time	6.37	11.62	17.17	23.15	23.15	2 / 2		
reaction time		interval		5.25	5.55	5.98		# of strides	11.62	11.53
wind	0.5 m/s	velocity	7.85	9.52	9.01	8.36	8.64	101.0	8.61	8.67

**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
wind	0.5 m/s	velocity	7.80	9.65	8.90	7.95	8.51		8.63	8.40

**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 / <del>8</del> 7		
reaction time		interval		5.20	5.44	6.09		# of strides	11.46	11.53
wind	-1.2 m/s	velocity	7.99	9.62	9.19	8.21	8.70	98.7	8.73	8.67

**Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	6.34	11.60	16.87	22.66	22.66	7 / <del>2</del> 1		
reaction time		interval		5.26	5.27	5.79		# of strides	11.60	11.06
wind	0.5 m/s	velocity	7.89	9.51	9.49	8.64	8.83		8.62	9.04

**Heat 3 - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

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

**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
wind	-1.2 m/s	velocity	7.86	9.47	8.88	8.03	8.51		8.59	8.43

**Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	16-Jul-04	time	6.41	11.70	17.20	23.42	23.42	3 / 2		
reaction time		interval		5.29	5.50	6.22		# of strides	11.70	11.72
wind	-0.6 m/s	velocity	7.80	9.45	9.09	8.04	8.54		8.55	8.53

**Edfors, Cecilia (SWE) (1987)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****C FINAL - 2007 Windsprint (Sundsvall, SWE)***(2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)*

date	24-Jul-07	time		13.20	19.42	26.24	26.24	5 / 1		
reaction time		interval			6.22	6.82		# of strides	13.20	13.04

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DV=Drug Violation

wind	0.2 m/s	velocity	7.58	8.04	7.33	7.62	7.58	7.67
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<b>Edobar, Iyoba (JPN) (1997)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN) <i>Enomoto (2015) - 68th high school championships: JAF scientific committee</i>											
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	

<b>Edwards, Debra (USA) (1954)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1976 USA Olympic Trials (Eugene, OR) <i>Hymans (2008) - history of the US olympic trials - track and field</i>											
date	24-Jun-76	time		11.8		22.8	22.74	1 / 3			
reaction time		interval				11.00		# of strides	11.80	11.00	0.80
wind	2.3 m/s	velocity		8.47		9.09	8.80		8.47	9.09	

<b>Edwards, Torri (USA) (1977)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 1</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.31	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	

<b>Quarter-Final 4</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.25	11.60	16.93	23.09	23.09	7 / 2			
reaction time		interval		5.35	5.33	6.16		# of strides	11.60	11.49	0.11
wind	-1.3 m/s	velocity	8.00	9.35	9.38	8.12	8.66		8.62	8.70	

<b>Heat 5</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.44	11.62	16.88	22.87	22.87	8 / 2			
reaction time		interval		5.18	5.26	5.99		# of strides	11.62	11.25	0.37
wind	2.0 m/s	velocity	7.76	9.65	9.51	8.35	8.75		8.61	8.89	

<b>FINAL</b> - 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

<b>FINAL</b> - 2004 USA Olympic Trials (Sacramento, CA) <i>USATF Women's Sprint Development (2004)</i>											
date	18-Jul-04	time	6.24	11.40	16.60	22.39	22.39	4 / <del>3</del>			
reaction time		interval		5.16	5.20	5.79	DV	# of strides	11.40	10.99	0.41
wind	-1.2 m/s	velocity	8.01	9.69	9.62	8.64	8.93		97.2	8.77	9.10

<b>Semi-Final 1</b> - 2004 USA Olympic Trials (Sacramento, CA) <i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.26	11.45	16.65	22.38	22.38	5 / <del>4</del>			
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	

<b>Heat 2</b> - 2004 USA Olympic Trials (Sacramento, CA) <i>USATF Women's Sprint Development (2004)</i>											
date	16-Jul-04	time	6.19	11.36	16.63	22.60	22.60	5 / <del>4</del>			
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	

<b>FINAL</b> - 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 / <del>2</del> 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	

<b>Eich, Katharina (GER) (1993)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>B FINAL</b> - 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 / 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	

<b>Eguchi, Kotomi (JPN) (1997)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2015 Japanese National Championships (Niigata, JPN) <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	27-Jun-15	time	6.78	12.32	18.05	24.28	24.28	3 / 5			
reaction time	0.182	interval		5.54	5.73	6.23		# of strides	12.32	11.96	0.36
wind	0.1 m/s	velocity	7.37	9.03	8.73	8.03	8.24		106.0	8.12	8.36

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ekponé, Olivia (USA) (1993)</b>										
<b>FINAL</b> - 2014 NCAA Championships (Eugene, OR)										
date	14-Jun-14	time	11.8		22.6	22.64	2 / 3			
reaction time		interval			10.80		# of strides	11.80	10.80	1.00
wind	2.2 m/s	velocity	8.47		9.26	8.83		8.47	9.26	
<b>El Hachimi, Sara (MAR) (2000)</b>										
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)										
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
wind	1.4 m/s	velocity	7.54	9.03	8.53	7.75	8.18		8.22	8.12
<b>El Houma, Hiba (MAR) (2005)</b>										
<b>National FINAL</b> - 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
<b>National FINAL</b> - 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
<b>El Ouarat, Salma (MAR) (2002)</b>										
<b>National FINAL</b> - 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
<b>Eliasson, Emilia (SWE) (1989)</b>										
<b>C FINAL</b> - 2007 Windsprint (Sundsvall, SWE)										
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
<b>Elsler, Josefina (GER) (1991)</b>										
<b>FINAL</b> - 2010 German National Junior Championships (Ulm, GER)										
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
wind	-0.1 m/s	velocity		8.00	8.58	8.09	8.16		8.00	8.33
<b>Heat 4</b> - 2010 German National Junior Championships (Ulm, GER)										
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
wind	0.9 m/s	velocity		8.00	8.67	8.06	8.17		8.00	8.35
<b>Emmanouilidou, Polyniki (GRE) (2003)</b>										
<b>Semi-Final 1</b> - 2023 World Athletics Championships (Budapest, HUN)										
date	24-Aug-23	time		11.74		23.15	23.15	3 / <del>8</del> 7		
reaction time	0.156	interval				11.41		# of strides	11.74	11.41
wind	-0.1 m/s	velocity		8.52		8.76	8.64	105.0	8.52	8.76
<b>Heat 2</b> - 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
<b>Emmanuel, Crystal (CAN) (1991)</b>										
<b>FINAL</b> - 2019 Weltklasse (Zürich, SUI)										
date	29-Aug-19	time	6.3	11.5	17.0	22.87	22.87	2 / 7		
reaction time	0.155	interval		5.2	5.5	5.87		# of strides	11.50	11.37
wind	-0.4 m/s	velocity	7.94	9.62	9.09	8.52	8.75	99.5	8.70	8.80
<b>FINAL</b> - 2017 IAAF World Championships (London, GBR)										
date	11-Aug-17	time		11.23	16.63	22.44	22.60	2 / 7		

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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	

**Semi-Final 3** - 2017 IAAF World Championships (London, GBR) *Pollitt (2018) - biomechanical report for IAAF World Champs 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	

**Ennis, Jessica (GBR) (1986)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2011 Great CityGames (Manchester, GBR) (150m straightaway) <i>Butler (2011) - Gay's last 100 in Manchester street 150</i>					17.40	3 / 2			<b>50-150m</b>	
date	15-May-11	time	6.43	11.72	17.40			# of strides	11.72	10.97
reaction time		interval		5.29						9.12
wind	1.6 m/s	velocity	7.78	9.45	8.62			8.53		

**FINAL** - 2010 Great CityGames (Manchester, GBR) (150m straightaway) *Jalava (2010) - www.tilastopaja.org*

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		

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

date	15-Aug-09	time	6.53	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		

**Eurenus, Isabelle (SWE) (1989)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>B FINAL</b> - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>					25.14	2 / 4					
date	24-Jul-07	time	12.57	18.55	25.14			# of strides	12.57	12.57	0.00
reaction time		interval		5.98	6.59	<b>PB</b>					
wind	2.0 m/s	velocity	7.96	8.36	7.59	7.96		7.96	7.96		

**Evensen, Marianne (NOR) (1996)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>D FINAL</b> - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>					26.33	3 / 4					
date	20-Jul-14	time	13.34		26.33			# of strides	13.34	12.99	0.35
reaction time		interval		12.99							
wind	2.0 m/s	velocity	7.50	7.70	7.60			7.50	7.70		

**Facey, Simone (JAM) (1985)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential			
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>					23.01	6 / 4						
date	10-Aug-17	time	11.24	16.70	22.83	23.01			# of strides	11.24	11.59	-0.35
reaction time	0.181	interval		5.46	6.13							
wind	-0.2 m/s	velocity	8.90	9.16	8.16	8.69		101.0	8.90	8.63		

**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	6.27	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		

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

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		

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

date	20-Aug-09	time	6.31	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		

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

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		

**Feagin, Zundra (USA) (1973)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential			
<b>FINAL</b> - 1996 USA Olympic Trials (Atlanta, GA) <i>USATF Women's Sprint Development (1996)</i>					22.33	6 / 5						
date	23-Jun-96	time	11.33	16.57	22.33	22.33			# of strides	11.33	11.00	0.33
reaction time		interval		5.24	5.76							

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wind	-0.6 m/s	velocity	8.83	9.54	8.68	8.96		8.83	9.09
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**Semi-Final 1** - 1996 USA Olympic Trials (Atlanta, GA) *USATF Women's Sprint Development (1996)*

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	

**FINAL** - 1995 USATF National Championships (Sacramento, CA) *USATF Women's Sprint Development (1995)*

date	18-Jun-95	time	6.40	11.73	17.25	23.28	23.28	2 / 7			
reaction time		interval		5.33	5.52	6.03		# of strides	11.73	11.55	0.18
wind	2.3 m/s	velocity	7.81	9.38	9.06	8.29	8.59		8.53	8.66	

**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	

**FINAL** - 2016 USA Olympic Trials (Eugene, OR) *Hymans (2020) - history of the US olympic trials - track and field*

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	0.46
wind	-0.6 m/s	velocity	8.70		9.06	8.87	93.0	8.70	9.06	

**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			
reaction time		interval		4.89	5.31	<b>WB</b>	# of strides	11.05		<b>50-150m</b>
wind	0.2 m/s	velocity	8.12	10.22	9.42	9.17		9.05		10.20
										9.80

**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	

**FINAL** - 2012 USA Olympic Trials (Eugene, OR) *Hymans (2020) - history of the US olympic trials - track and field*

date	30-Jun-12	time	11.1		21.69	21.69	6 / 1			
reaction time	0.203	interval			10.59	<b>PB</b>	# of strides	11.10	10.59	0.51
wind	1.0 m/s	velocity	9.01		9.44	9.22		9.01	9.44	

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

date	02-Sep-11	time	6.18	11.31	16.62	22.42	22.42	3 / 3			
reaction time	0.187	interval		5.13	5.31	5.80		# of strides	11.31	11.11	0.20
wind	-1.0 m/s	velocity	8.09	9.75	9.42	8.62	8.92	88.2	8.84	9.00	

**FINAL** - 2011 Great CityGames (Manchester, GBR) (200m straightaway) *Butler (2011) - Gay's last 100 in Manchester street 150*

date	15-May-11	time	6.31	11.26	16.48	22.12	22.12	2 / 1			
reaction time		interval		4.95	5.22	5.64		# of strides	11.26	10.86	0.40
wind	2.6 m/s	velocity	7.92	10.10	9.58	8.87	9.04		8.88	9.21	

**FINAL** - 2010 Great CityGames (Manchester, GBR) (200m straightaway) *Jalava (2010) - www.tilastopaja.org*

date	16-May-10	time	11.31	16.68	22.55	22.55	2 / 1			
reaction time		interval		5.37	5.87		# of strides	11.31	11.24	0.07
wind	0.2 m/s	velocity	8.84	9.31	8.52	8.87		8.84	8.90	

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

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

date	20-Aug-09	time	6.32	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	

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

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

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

wind	0.0 m/s	velocity	7.92	9.78	9.06	8.42	8.74		8.76	8.73		
<b>FINAL - 2008 Olympic Games (Beijing, CHN)</b>			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>									
date	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		
<b>FINAL - 2008 USA Olympic Trials (Eugene, OR)</b>			<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		
<b>Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>			<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	6.34	11.37	16.53	22.22	22.22	6 / 1				
reaction time		interval		5.03	5.16	5.69		# of strides	11.37	10.85	0.52	
wind	0.0 m/s	velocity	7.89	9.94	9.69	8.79	9.00		8.80	9.22		
<b>Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>			<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	6.51	11.71	17.13	23.09	23.09	5 / 2				
reaction time		interval		5.20	5.42	5.96		# of strides	11.71	11.38	0.33	
wind	1.3 m/s	velocity	7.68	9.62	9.23	8.39	8.66		8.54	8.79		
<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b>			<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	04-Jul-08	time	6.37	11.54	16.83	22.68	22.68	6 / 1				
reaction time		interval		5.17	5.29	5.85		# of strides	11.54	11.14	0.40	
wind	0.5 m/s	velocity	7.85	9.67	9.45	8.55	8.82	88.2	8.67	8.98		
<b>FINAL - 2007 IAAF World Championships (Osaka, JPN)</b>			<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	<b>PB</b>	# 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		
<b>FINAL - 2005 USATF National Championships (Carson, CA)</b>			<i>USATF Women's Sprint Development (2005)</i>									
date	26-Jun-05	time	6.38	11.32	16.70	22.13	22.13	6 / 1				
reaction time		interval		4.94	5.38	5.43		# of strides	11.32	10.81	0.51	
wind	0.3 m/s	velocity	7.84	10.12	9.29	9.21	9.04	87.2	8.83	9.25		
<b>FINAL - 2004 Olympic Games (Athens, GRE)</b>			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>									
date	25-Aug-04	time		11.2		22.2	22.18	3 / 2				
reaction time		interval				11.0	<b>WJR</b>	# of strides	11.20	11.00	0.20	
wind	0.8 m/s	velocity		8.93		9.09	9.02		8.93	9.09		
<b>FINAL - 2004 USA Olympic Trials (Sacramento, CA)</b>			<i>USATF Women's Sprint Development (2004)</i>									
date	18-Jul-04	time	6.34	11.43	16.62	22.28	22.28	6 / 1				
reaction time		interval		5.09	5.19	5.66		# of strides	11.43	10.85	0.58	
wind	-1.2 m/s	velocity	7.89	9.82	9.63	8.83	8.98	92.2	8.75	9.22		
<b>Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)</b>			<i>USATF Women's Sprint Development (2004)</i>									
date	17-Jul-04	time	6.39	11.55	16.91	22.70	22.70	7 / 1				
reaction time		interval		5.16	5.36	5.79		# of strides	11.55	11.15	0.40	
wind	-1.2 m/s	velocity	7.82	9.69	9.33	8.64	8.81		8.66	8.97		
<b>Heat 2 - 2004 USA Olympic Trials (Sacramento, CA)</b>			<i>USATF Women's Sprint Development (2004)</i>									
date	16-Jul-04	time	6.32	11.50	16.79	22.67	22.67	6 / <del>2</del> 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		
<b>FINAL - 2003 USATF National Championships (Palo Alto, CA)</b>			<i>USATF Women's Sprint Development (2003)</i>									
date	22-Jun-03	time	6.54	11.79	17.01	22.59	22.59	4 / <del>3</del> 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		

**Félix, Sylviane (FRA) (1977)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 2002 European Championships (Munich, GER)</b>			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>									
date	09-Aug-02	time	6.46	11.73	17.10	22.89	22.89	6 / 4				
reaction time	0.167	interval		5.27	5.37	5.79		# of strides	11.73	11.16	0.57	

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

wind -0.3 m/s velocity 7.74 9.49 9.31 8.64 8.74 8.53 8.96

**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 / 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

**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

**FINAL - 1997 IAAF World Championships (Athens, GRE)***Ritzdorf (1997) - biomechanical research project at Vth world championships 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

**Feng Lulu (CHN) (2000)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*CAA Hurdle Development (2021)*

**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 -0.20  
 wind 0.2 m/s velocity 8.33 8.20 8.26 108.0 8.33 8.20

**Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)***CAA Hurdle Development (2021)*

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 -0.44  
 wind -0.4 m/s velocity 8.37 8.07 8.22 108.2 8.37 8.07

**Ferguson, Sheniqua (BAH) (1989)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

**Heat 6 - 2009 IAAF World Championships (Berlin, GER)**

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

**Ferguson-McKenzie, Debbie (BAH) (1**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

**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 96.5 8.55 8.88

**FINAL - 2010 Great CityGames (Manchester, GBR) (200m straightaway)***Jalava (2010) - www.tilastopaja.org*

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 8.82 8.61

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

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

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

date 20-Aug-09 time 6.19 11.21 16.54 22.24 22.24 6 / 1  
 reaction time 0.133 interval 5.02 5.33 5.70 # of strides 11.21 11.03 0.18  
 wind 0.5 m/s velocity 8.08 9.96 9.38 8.77 8.99 8.92 9.07

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

date 19-Aug-09 time 6.32 11.34 16.72 22.71 22.71 5 / 2  
 reaction time 0.154 interval 5.02 5.38 5.99 # of strides 11.34 11.37 -0.03  
 wind 0.3 m/s velocity 7.91 9.96 9.29 8.35 8.81 8.82 8.80

**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 **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

**Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2009) - www.tilastopaja.org*

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

date	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	

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

date	13-Sep-08	time	6.41	11.54	16.95	22.89	22.89	7 / 4			
reaction time	0.163	interval		5.13	5.41	5.94		# of strides	11.54	11.35	0.19
wind	0.1 m/s	velocity	7.80	9.75	9.24	8.42	8.74		8.67	8.81	

**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	11.46			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	

**FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	22-Sep-07	time	6.29	11.44	16.89	22.74	22.74	4 / 2			
reaction time		interval		5.15	5.45	5.85		# of strides	11.44	11.30	0.14
wind	0.5 m/s	velocity	7.95	9.71	9.17	8.55	8.80		8.74	8.85	

**Ferguson, Debbie (BAH) (1976)****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	11.3			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	

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)**

Butler (2013) - IAAF world championships statistics handbook- moscow 2013

date	10-Aug-01	time	11.1			22.52	22.52	4 / <del>2</del> 1			
reaction time	0.176	interval				11.42		# of strides	11.10	11.42	-0.32
wind	-0.8 m/s	velocity	9.01			8.76	8.88	96.0	9.01	8.76	

**FINAL - 2000 Olympic Games (Sydney, AUS)**

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

date	28-Sep-00	time	11.3			22.4	22.37	5 / <del>5</del> 4			
reaction time	0.196	interval				11.1		# of strides	11.30	11.10	0.20
wind	0.7 m/s	velocity	8.85			9.01	8.94		8.85	9.01	

**FINAL - 1999 IAAF World Championships (Sevilla, ESP)**

Ferro (2001) - biomechanical analysis of the 7th world championships, 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	

**Finn, Michelle (USA) (1965)**

<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
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**FINAL - 1992 Olympic Games (Barcelona, ESP)**

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

date	06-Aug-92	time	11.4			22.6	22.61	2 / 7			
reaction time		interval				11.20		# of strides	11.40	11.20	0.20
wind	-0.6 m/s	velocity	8.77			8.93	8.85	95.2	8.77	8.93	

**Semi-Final 2 - 1992 Olympic Games (Barcelona, ESP)**

Veney - 200m women from PJ

date	05-Aug-92	time	11.24	16.59	22.39	22.39		4 / 4			
reaction time		interval		5.35	5.80	<b>PB</b>		# 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	

**Floyd, Ebonie (USA) (1983)**

<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
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**Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.45	11.75	16.96	22.63	22.63	5 / 5			
reaction time		interval		5.30	5.21	5.67		# of strides	11.75	10.88	0.87
wind	0.0 m/s	velocity	7.75	9.43	9.60	8.82	8.84		8.51	9.19	

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

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.62	12.02	17.31	23.05	23.05	6 / 1			
reaction time		interval		5.40	5.29	5.74		# of strides	12.02	11.03	0.99
wind	1.3 m/s	velocity	7.55	9.26	9.45	8.71	8.68		8.32	9.07	

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

USATF Women's Sprint Development with HPC (2008)

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	



**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	

**FINAL - 2003 USATF National Championships (Palo Alto, CA)**

USATF Women's Sprint Development (2003)

date	22-Jun-03	time	6.61	12.01	17.58	23.44	23.44	1 / <del>8</del> 7			
reaction time		interval		5.40	5.57	5.86		# of strides	12.01	11.43	0.58
wind	0.0 m/s	velocity	7.56	9.26	8.98	8.53	8.53		8.33	8.75	

**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)**

USATF Women's Sprint Development with HPC (2008)

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		

**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)**

Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m

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		

**Foster, Amy (IRL) (1988)**

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

**B FINAL - 2013 Windsprint (Sundsvall, SWE)**

(2013) - www.ssg.se/windsprint/Spittider/

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		

**Fotopoulou, Oliva (CYP) (1996)**

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

**Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

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	0.19	
wind	-0.1 m/s	velocity	8.73		8.87	8.80	99.0	8.73	8.87		

**Heat 2 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

date	23-Aug-23	time	11.36		22.65	22.65	3 / 3				
reaction time	0.148	interval			11.29	<b>PB</b>	# 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		

**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		

**Fraser, Donna (GBR) (1972)**

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

**B FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)**

Jalava (2009) - www.tilastopaja.org

date	17-May-09	time	11.89	17.74		17.74	2 / 2				
reaction time		interval		5.85		<b>PB</b>	# of strides	11.89			
wind	0.3 m/s	velocity	8.41	8.55		8.46		8.41			

**Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)**

Jalava (2009) - www.tilastopaja.org

date	17-May-09	time	12.03	17.87		17.87	1 / 4				
reaction time		interval		5.84			# of strides	12.03			
wind	-0.8 m/s	velocity	8.31	8.56		8.39		8.31			

**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)**

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

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		

**Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)**

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

date	19-Jul-22	time	11.08		21.82	21.82	6 / 1				
reaction time	0.146	interval			10.74		# of strides	11.08	10.74	0.34	
wind	-0.1 m/s	velocity	9.03		9.31	9.17	96.5	9.03	9.31		

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

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	

**FINAL - 2022 Prefontaine Classic (Eugene, OR)***Omega Timing (2022) - diamond league race analysis*

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
wind	1.3 m/s	velocity	8.04	9.82	9.40	8.65	8.92	98.5	8.84
									11.10
									9.01
									0.21

**FINAL - 2021 Herculis Meeting International d'Athletisme (Monaco, MON)***Omega Timing (2021) - diamond league race analysis*

date	09-Jul-21	time	6.1	11.2	16.5	22.48	22.48	6 / 3	
reaction time	0.140	interval		5.10	5.30	5.98		# of strides	11.20
wind	0.7 m/s	velocity	8.20	9.80	9.43	8.36	8.90	99.7	8.93
									11.28
									8.87
									-0.08

**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
wind	0.4 m/s	velocity	7.81	9.80	9.43	8.77	8.89	101.5	8.70
									11.00
									9.09
									0.50

**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	11.15			22.09	22.09	4 / 2	
reaction time	0.169	interval				10.94	<b>PB</b>	# of strides	11.15
wind	-0.2 m/s	velocity	8.97			9.14	9.05	96.2	8.97
									10.94
									9.14
									0.21

**Frazer, Merlene (JAM) (1973)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1999 IAAF World Championships (Sevilla, ESP)***Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	27-Aug-99	time	6.29	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
wind	0.6 m/s	velocity	7.95	10.06	9.47	8.74	8.98		11.00
									0.26
									8.88
									9.09

**Freeman, Cathy (AUS) (1973)****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	11.68	16.96	22.53	22.53	2 / - 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
									0.83

**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
wind	0.2 m/s	velocity	8.61	8.98	8.20	8.59		8.61	8.57
									-0.05

**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
wind	-0.1 m/s	velocity	7.90	9.73	9.11	8.31	8.70		11.51
									-0.04
									8.69

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

date	20-Aug-09	time	6.29	11.40	16.79	22.64	22.64	3 / 3	
reaction time	0.163	interval		5.11	5.39	5.85	<b>PB</b>	# of strides	11.40
wind	0.5 m/s	velocity	7.95	9.78	9.28	8.55	8.83		11.24
									0.16
									8.90

**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
wind	0.0 m/s	velocity	7.90	9.73	9.06	8.18	8.66		11.63
									-0.16
									8.60

**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)***Graubner (2010) - http://www.fgs.uni-halle.de*

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
wind	-0.1 m/s	velocity	7.69	8.31	7.97	7.91		7.69	8.14
									0.72

**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	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
wind	-0.1 m/s	velocity	7.69	8.31	7.97	7.91		7.69	8.14
									0.72

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

date	08-Aug-10	time	12.33	18.09	24.41	24.41	/ 4			
reaction time		interval		5.76	6.32	<b>PB</b>	# 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	

<b>Fujii, Ayano (JPN) (1998)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 2016 Japanese National High School Championships (Okayama, JPN)</b>					<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>						
date	01-Aug-16	time	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	

<b>Fuji, Mio (JPN)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)</b>					<i>Niina (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	

<b>Fujisawa, Sayaka (JPN) (1991)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)</b>					<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
date	22-Sep-18	time	6.69	12.14	17.93	24.27	24.27	9 / 3			
reaction time	0.160	interval		5.45	5.79	6.34		# of strides	12.14	12.13	0.01
wind	0.2 m/s	velocity	7.47	9.17	8.64	7.89	8.24		8.24	8.24	

<b>FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)</b>					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>						
date	03-May-17	time	6.78	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	

<b>FINAL - 2015 Japanese National Championships (Niigata, JPN)</b>					<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>						
date	27-Jun-15	time	6.70	12.10	17.70	23.81	23.81	6 / 2			
reaction time	0.178	interval		5.40	5.60	6.11	<b>PB</b>	# of strides	12.10	11.71	0.39
wind	0.1 m/s	velocity	7.46	9.26	8.93	8.18	8.40	102.0	8.26	8.54	

<b>FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)</b>					<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>						
date	18-Apr-15	time	6.81	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	

<b>Fukuda, Tomomi (JPN) (1991)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 2009 Japanese National High School Championships (Nara, JPN)</b>					<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>						
date	01-Aug-09	time	6.75	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	

<b>Fukuoka, Shion (JPN) (2007)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN)</b>					<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>					
date	23-Oct-21	time	6.79	12.29	18.25	24.50	18.25	2 / 2		<b>50-150m</b>
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

<b>Fukushima, Chisato (JPN) (1988)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)</b>					<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
date	24-Jun-18	time	6.43	11.77	17.45	23.65	23.65	6 / 1			
reaction time	0.130	interval		5.34	5.68	6.20		# of strides	11.77	11.88	-0.11
wind	1.1 m/s	velocity	7.78	9.36	8.80	8.06	8.46		8.50	8.42	

<b>A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)</b>					<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	-0.13
wind	1.1 m/s	velocity	7.85	9.54	8.96	8.12	8.57	105.5	8.61	8.52	

<b>FINAL - 2017 Japanese National Championships (Osaka, JPN)</b>					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>						
date	25-Jun-17	time	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	-0.49
wind	-0.2 m/s	velocity	7.80	9.35	8.64	7.74	8.33		8.50	8.16	

<b>FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)</b>					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

date	03-May-17	time	6.44	11.83	17.62	23.91	23.91	5 / 1			
reaction time		interval		5.39	5.79	6.29		# of strides	11.83	12.08	-0.25
wind	-0.5 m/s	velocity	7.76	9.28	8.64	7.95	8.36		8.45	8.28	

**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](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	-0.29
wind	0.5 m/s	velocity		8.73		8.51	8.62		8.73	8.51	

**FINAL - 2016 Japanese National Championships (Nagoya, JPN)** *Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	26-Jun-16	time	6.25	11.46	16.92	22.88	22.88	/ 1			
reaction time		interval		5.21	5.46	5.96	<b>NR</b>	# 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	

**Heat 5 - 2015 IAAF World Championships (Beijing, CHN)** *Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

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	-0.22
wind	0.1 m/s	velocity	7.95	9.52	8.90	8.14	8.58	103.7	8.67	8.50	

**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	6.40	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	

**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	6.26	11.52	17.08	23.11	23.11	6 / 4			
reaction time		interval		5.26	5.56	6.03		# of strides	11.52	11.59	-0.07
wind	1.0 m/s	velocity	7.99	9.51	8.99	8.29	8.65	101.0	8.68	8.63	

**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	-0.08
wind	1.7 m/s	velocity	7.89	9.28	8.88	8.09	8.50	99.5	8.53	8.47	

**Semi-Final 1 - 2011 IAAF World Championships (Daegu, KOR)** *Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters*

date	01-Sep-11	time	6.46	11.80	17.51	23.52	23.52	1 / 8			
reaction time	0.134	interval		5.34	5.71	6.01		# of strides	11.80	11.72	0.08
wind	-0.7 m/s	velocity	7.74	9.36	8.76	8.32	8.50	104.0	8.47	8.53	

**Heat 1 - 2011 IAAF World Championships (Daegu, KOR)** *Kyohei (2012) - the run performance of the 2011 world and 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	

**FINAL - 2011 Japanese National Championships (Kumagaya, JPN)** *Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters*

date	12-Jun-11	time	6.30	11.56	17.24	23.44	23.44	/ 1			
reaction time		interval		5.26	5.68	6.20		# of strides	11.56	11.88	-0.32
wind	-0.7 m/s	velocity	7.94	9.51	8.80	8.06	8.53		8.65	8.42	

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

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	

### Furler, Selina (SUI) (2003)

**FINAL - 2022 Athletissima (Lausanne, SUI)** *Omega Timing (2022) - diamond league race analysis*

date	26-Aug-22	time	6.6	12.1	17.8	24.18	24.18	2 / 5			
reaction time	0.163	interval		5.50	5.70	6.38		# of strides	12.10	12.08	0.02
wind	-0.9 m/s	velocity	7.58	9.09	8.77	7.84	8.27		8.26	8.28	

### Gaines, Chryste (USA) (1970)

**FINAL - 1995 USATF National Championships (Sacramento, CA)** *USATF Women's Sprint Development (1995)*

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	

Gainsford-Taylor, Melinda (AUS) (1971)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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	
<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)		<i>Ritzdorf (1997) - biomechanical research project at Vth world championships athletics</i>								
date	08-Aug-97	time	6.24	11.30	16.68	22.58	22.73	2 / 7		
reaction time	0.150	interval		5.06	5.38	5.90		# of strides	11.30	11.28
wind	-0.7 m/s	velocity	8.01	9.88	9.29	8.47	8.80	94.2	8.85	8.87
Gaiher, TyNia (BAH) (1993)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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
wind	-0.9 m/s	velocity	7.84	9.75	9.31	8.65	8.83	104.0	8.69	8.97
<b>FINAL</b> - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)		<i>Omega Timing (2022) - diamond league race analysis</i>								
date	06-Aug-22	time	6.39	11.53	16.88	22.70	22.70	3 / 4		
reaction time	0.155	interval		5.14	5.35	5.82		# of strides	11.53	11.17
wind	0.2 m/s	velocity	7.82	9.73	9.35	8.59	8.81	102.0	8.67	8.95
<b>Semi-Final 1</b> - 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	<b>PB</b>		# of strides	11.51	10.90
wind	2.0 m/s	velocity	8.69		9.17	8.92		101.5	8.69	9.17
<b>Heat 4</b> - 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
wind	0.4 m/s	velocity	8.58		9.12	8.85		102.0	8.58	9.12
<b>FINAL</b> - 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
wind	0.1 m/s	velocity	7.87	9.65	9.12	8.26	8.67	104.0	8.67	8.67
<b>FINAL</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 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
wind	0.8 m/s	velocity	8.73	9.09	8.40	8.67		108.7	8.73	8.73
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>								
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
wind	-0.2 m/s	velocity	8.81	9.24	8.42	8.75		108.9	8.81	8.81
Gale, Lauren (CAN) (2000)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 5</b> - 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
wind	0.9 m/s	velocity	8.52		8.82	8.67		93.7	8.52	8.82
Gamo, Marin (JPN) (2003)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Japanese U20 National Championships (Osaka, JPN)		<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>								
date	27-Jun-21	time	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
wind	-0.4 m/s	velocity	7.29	8.88	8.45	7.78	8.05	105.5	8.01	8.10
García, Yunisleydis (CUB) (1999)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 1</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>								
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
Gardner, English (USA) (1992)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential

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

**FINAL - 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	

**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	

**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)***Seiko Timing (2023) - world championship race analysis*

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			8.60	8.89	

**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			8.46	9.12	

**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			8.49	9.04	

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

date	18-Jul-22	time		11.82	22.89	22.89	4 / 5				
reaction time	0.159	interval			11.07			# of strides	11.82	11.07	0.75
wind	0.4 m/s	velocity		8.46	9.03	8.74			8.46	9.03	

**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	

**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	

**Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)***CAA Hurdle Development (2021)*

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	

**Georgieva, Nadezhda (BUL) (1961)**

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

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

date	29-Sep-88	time	6.44	11.53	16.93	22.67	22.67	3 / 5			
reaction time	0.231	interval		5.09	5.40	5.74		# of strides	11.53	11.14	0.39
wind	1.8 m/s	velocity	7.76	9.82	9.26	8.71	8.82		8.67	8.98	

**FINAL - 1987 IAAF World Championships (Rome, ITA)***Veney - 200m women from PJ*

date	03-Sep-87	time		11.68	16.91	22.55	22.55	7 / 8			
reaction time		interval			5.23	5.64		# of strides	11.68	10.87	0.81
wind	1.2 m/s	velocity		8.56	9.56	8.87	8.87		8.56	9.20	

**Gevaert, Kim (BEL) (1978)**

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

**FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)***Graubner (2007) - http://www.fgs.uni-halle.de*

date	22-Sep-07	time	6.31	11.43	16.95	22.84	22.84	7 / 4			
reaction time		interval		5.12	5.52	5.89		# of strides	11.43	11.41	0.02
wind	0.5 m/s	velocity	7.92	9.77	9.06	8.49	8.76		8.75	8.76	

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

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

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	

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

date	09-Aug-02	time	6.37	11.51	16.82	22.53	22.53	3 / 2	
reaction time	0.152	interval	5.14	5.31	5.71			# of strides	11.51 11.02 0.49
wind	-0.3 m/s	velocity	7.85	9.73	9.42	8.76	8.88		8.69 9.07

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

date	09-Aug-02	time	6.38	11.50	16.93	22.73	22.73	/ 1	
reaction time	0.141	interval	5.12	5.43	5.80			# of strides	11.50 11.23 0.27
wind	0.0 m/s	velocity	7.84	9.77	9.21	8.62	8.80		8.70 8.90

**Heat 4 - 2002 European Championships (Munich, GER)**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

**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)**Omega Timing (2023) - *diamond league race analysis*

date	28-May-23	time	7.20	13.15	19.35	26.09	26.09	1 / 5	
reaction time	0.202	interval	5.95	6.20	6.74	PB		# of strides	13.15 12.94 0.21
wind	1.4 m/s	velocity	6.94	8.40	8.06	7.42	7.67		7.60 7.73

**Givens, Randy (USA) (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	11.51			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

**Glenn, Gabrielle (USA) (1989)**

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

**FINAL - 2008 USATF National Junior Championships (Columbus, OH)**

USATF Women's Sprint Development with HPC (2008)

date	22-Jun-08	time	12.32	18.20	24.36	24.36		1 / 8	
reaction time		interval		5.88	6.16			# of strides	12.32 12.04 0.28
wind	-2.4 m/s	velocity	8.12	8.50	8.12	8.21			8.12 8.31

**Gogl-Walli, Susanne (AUT) (1996)**

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

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

date	23-Aug-23	time	12.06			23.38	23.38	3 / 5	
reaction time	0.167	interval				11.32		# of strides	12.06 11.32 0.74
wind	-0.4 m/s	velocity	8.29			8.83	8.55		96.5 8.29 8.83

**Göhr, Marlies (GDR) (1958)**

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

**FINAL - 1984 East German National Championships (Erfurt, GDR) Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84**

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

**FINAL - 1978 European Championships (Prague, TCH)**Lamare (1978) - *championnats d'Europa 1978*

date	01-Sep-78	time	11.49			22.53	22.53	3 / 2	
reaction time	0.208	interval				11.04		# of strides	11.49 11.04 0.45
wind	-0.2 m/s	velocity	8.70			9.06	8.88		109.5 8.70 9.06

**Golay, Joëlle (SUI) (1987)**

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

**FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)**Swiss Athletics (2016) - *sprint and hurdle analysis*

date	07-May-16	time	6.86	12.45	18.35	18.35		/ 6	
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

**Goncharenko, Svetlana (RUS) (1971)**

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

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

date	24-Jun-01	time	6.40	11.50	16.92	22.87	22.87	/ 3	
reaction time	0.149	interval	5.10	5.42	5.95			# of strides	11.50 11.37 0.13
wind	0.3 m/s	velocity	7.81	9.80	9.23	8.40	8.75		8.70 8.80

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Grabuste, Aiga (LAT) (1988)</b>											
<b>Heptathlon - Heat 4</b> - 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	-0.57
wind	-0.3 m/s	velocity	7.29	8.93	8.10	7.29	7.85		8.03	7.67	
<b>Grace, Carla (USA) (1986)</b>											
<b>FINAL</b> - 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	
<b>Graglia, Daniela (ITA) (1976)</b>											
<b>Semi-Final 2</b> - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.36	11.66	17.24	23.20	23.20	/ 5			
reaction time	0.140	interval		5.30	5.58	5.96	<b>PB</b>	# 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	
<b>Graversgaard, Mette (DEN) (1995)</b>											
<b>FINAL</b> - 2023 Athletissima (Lausanne, SUI) <i>Omega Timing (2023) - diamond league race analysis</i>											
date	30-Jun-23	time	6.42	11.74	17.40	23.56	23.56	3 / 4			
reaction time	0.153	interval		5.32	5.66	6.16		# of strides	11.74	11.82	-0.08
wind	-0.4 m/s	velocity	7.79	9.40	8.83	8.12	8.49		8.52	8.46	
<b>Griffith-Joyner, Florence (USA) (1959)</b>											
<b>FINAL</b> - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	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	<b>WR</b>	# of strides	11.18	10.16	1.02
wind	1.3 m/s	velocity	7.95	10.22	10.16	9.54	9.37	91.8	8.94	9.84	
<b>Semi-Final 1</b> - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	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	<b>WR</b>	# of strides	11.29	10.27	1.02
wind	1.7 m/s	velocity	7.90	10.08	9.86	9.62	9.28	91.5	8.86	9.74	
<b>FINAL</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	03-Sep-87	time	6.14	11.39	16.50	21.96	21.96	5 / 2			
reaction time	0.141	interval		5.25	5.11	5.46	<b>PB</b>	# 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	
<b>Semi-Final 2</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	03-Sep-87	time	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	
<b>Heat 4</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	01-Sep-87	time	6.37	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	
<b>Griffith, Florence (USA) (1959)</b>											
<b>FINAL</b> - 1984 Olympic Games (Los Angeles, CA) <i>Vogel (1984) - olympische spiele in los angeles</i>											
date	09-Aug-84	time		11.17		22.04	22.04	4 / 2			
reaction time	0.185	interval				10.87	<b>PB</b>	# 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	
<b>FINAL</b> - 1983 IAAF World Championships (Helsinki, FIN) <i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>											
date	14-Aug-83	time		11.56	16.80	22.46	22.46	1 / 4			
reaction time	0.161	interval			5.24	5.66		# of strides	11.56	10.90	0.66
wind	1.5 m/s	velocity		8.65	9.54	8.83	8.90	97.5	8.65	9.17	
<b>Grimm, Vanessa (GER) (1997)</b>											
<b>Heptathlon - Heat 2</b> - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>											
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	0.25
wind	-0.1 m/s	velocity		7.95		8.11	8.03	97.0	7.95	8.11	

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



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Grønneberg, Alvide (NOR) (1992)</b>										
<b>C FINAL - 2014 Windsprint (Sundsvall, SWE)</b>		<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>								
date	20-Jul-14	time	12.86		25.15	25.15	4 / 3			
reaction time		interval			12.29		# of strides	12.86	12.29	0.57
wind	1.6 m/s	velocity	7.78		8.14	7.95		7.78	8.14	
<b>Grønhaug, Stine Marie (NOR) (1992)</b>										
<b>C FINAL - 2012 Windsprint (Sundsvall, SWE)</b>		<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	
<b>Grompe, Katharina (GER) (1993)</b>										
<b>FINAL - 2010 German National Youth Championships (Ulm, GER)</b>		<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>								
date	08-Aug-10	time	12.16	17.88	24.13	24.13	1 / 1			
reaction time		interval		5.72	6.25	<b>PB</b>	# of strides	12.16	11.97	0.19
wind	-0.2 m/s	velocity	8.22	8.74	8.00	8.29		8.22	8.35	
<b>Gu Zihan (CHN) (2001)</b>										
<b>Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>		<i>CAA Hurdle Development (2021)</i>								
date	12-Jun-21	time	12.75		25.82	25.82	1 / 7			
reaction time	0.197	interval			13.07		# of strides	12.75	13.07	-0.32
wind	-0.2 m/s	velocity	7.84		7.65	7.75		7.84	7.65	
<b>Guidry-White, Carlette (USA) (1968)</b>										
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b>		<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	
<b>FINAL - 1996 USA Olympic Trials (Atlanta, GA)</b>		<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	<b>PB</b>	# 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	
<b>Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)</b>		<i>USATF Women's Sprint Development (1996)</i>								
date	22-Jun-96	time	11.35	16.49	22.29	22.29	5 / 1			
reaction time		interval		5.14	5.80	<b>PB</b>	# 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	
<b>Guidry, Carlette (USA) (1968)</b>										
<b>FINAL - 1995 USATF National Championships (Sacramento, CA)</b>		<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		8.77	8.95	
<b>FINAL - 1992 Olympic Games (Barcelona, ESP)</b>		<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	06-Aug-92	time	11.4		22.3	22.30	7 / 5			
reaction time		interval			10.90		# of strides	11.40	10.90	0.50
wind	-0.6 m/s	velocity	8.77		9.17	8.97	91.0	8.77	9.17	
<b>Günther, Leena (GER) (1991)</b>										
<b>FINAL - 2010 German National Junior Championships (Ulm, GER)</b>		<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>								
date	07-Aug-10	time	12.27	17.97	24.00	24.00	1 / 1			
reaction time		interval		5.70	6.03	<b>PB</b>	# 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	
<b>Heat 1 - 2010 German National Junior Championships (Ulm, GER)</b>		<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>								
date	07-Aug-10	time	12.55	18.36	24.62	24.62	1 / 1			
reaction time		interval		5.81	6.26		# of strides	12.55	12.07	0.48
wind	0.0 m/s	velocity	7.97	8.61	7.99	8.12		7.97	8.29	
<b>Günther-Reiger, Sabine (GDR) (1963)</b>										
<b>FINAL - 1986 European Championships (Stuttgart, FRG)</b>		<i>Veney - 200m women from PJ</i>								
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	

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Gushchina, Yuliya (RUS) (1983)</b>											
<b>Semi-Final 3</b> - 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	
<b>Heat 2</b> - 2009 IAAF World Championships (Berlin, GER)		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	19-Aug-09	time	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	
<b>FINAL</b> - 2008 IAAF World Athletics Final (Stuttgart, GER)		<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	13-Sep-08	time	6.37	11.64	17.24	23.37	23.37	1 / 7			
reaction time	0.148	interval		5.27	5.60	6.13		# of strides	11.64	11.73	-0.09
wind	0.1 m/s	velocity	7.85	9.49	8.93	8.16	8.56		8.59	8.53	
<b>Haase, Rebekka (GER) (1993)</b>											
<b>Semi-Final 1</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>									
date	10-Aug-17	time		11.31	16.84	22.87	23.03	4 / 4			
reaction time	0.161	interval			5.53	6.03		# of strides	11.31	11.56	-0.25
wind	-0.2 m/s	velocity		8.84	9.04	8.29	8.68	98.2	8.84	8.65	
<b>FINAL</b> - 2010 German National Youth Championships (Ulm, GER)		<i>Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	08-Aug-10	time		12.48	18.16	24.27	24.27	1 / 3			
reaction time		interval			5.68	6.11	<b>PB</b>	# of strides	12.48	11.79	0.69
wind	-0.2 m/s	velocity		8.01	8.80	8.18	8.24		8.01	8.48	
<b>Hablitzel, Sophia (GER) (1991)</b>											
<b>B FINAL</b> - 2010 German National Junior Championships (Ulm, GER)		<i>Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	07-Aug-10	time		12.73	18.61	24.96	24.96	1 / 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	
<b>Hackett, Semoy (TTO) (1988)</b>											
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>									
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	-0.33
wind	-0.2 m/s	velocity		8.67	8.90	8.01	8.50	98.0	8.67	8.43	
<b>FINAL</b> - 2012 Olympic Games (London, GBR)		<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>									
date	08-Aug-12	time		11.45		22.87	22.87	3 / <del>8</del>			
reaction time	0.150	interval				11.42	<b>DV</b>	# 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	
<b>Häfele, Sabrina (GER) (1993)</b>											
<b>B FINAL</b> - 2010 German National Youth Championships (Ulm, GER)		<i>Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	08-Aug-10	time		12.98	18.89	25.28	25.28	1 / 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	
<b>Halbheer, Cornelia (SUI) (1992)</b>											
<b>FINAL</b> - 2022 Athletissima (Lausanne, SUI)		<i>Omega Timing (2022) - diamond league race analysis</i>									
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	
<b>Halkiá, Fani (GRE) (1979)</b>											
<b>FINAL</b> - 2007 European Cup (Munich, GER)		<i>Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	24-Jun-07	time		11.85	17.33	23.30	23.30	1 / 4			
reaction time	0.159	interval			5.48	5.97	<b>PB</b>	# 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	
<b>Hall, Anna (USA) (2001)</b>											
<b>Heptathlon - Heat 3</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>									
date	19-Aug-23	time		12.11		23.56	23.56	8 / 2			

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

reaction time	0.208	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	

**Heptathlon - Heat 2** - 2022 World Athletics Championships (Eugene, OR)

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

date	17-Jul-22	time	11.81	23.08	23.08	4 / 1			
reaction time	0.147	interval		11.27	<b>PB</b>	# 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	

**Hall, Monique (USA) (1980)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 2</b> - 2004 USA Olympic Trials (Sacramento, CA)							USATF Women's Sprint Development (2004)			
date	17-Jul-04	time	6.51	11.76	17.32	23.44	23.44	3 / 3		
reaction time		interval		5.25	5.56	6.12	# of strides	11.76	11.68	0.08
wind	-1.2 m/s	velocity	7.68	9.52	8.99	8.17	8.53	8.50	8.56	
<b>Heat 2</b> - 2004 USA Olympic Trials (Sacramento, CA)							USATF Women's Sprint Development (2004)			
date	16-Jul-04	time	6.44	11.79	17.29	23.42	23.42	5 / <del>3</del> 2		
reaction time		interval		5.35	5.50	6.13	# of strides	11.79	11.63	0.16
wind	-0.3 m/s	velocity	7.76	9.35	9.09	8.16	8.54	8.48	8.60	

**Hamrén, Malin (SWE) (1986)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2007 Windsprint (Sundsvall, SWE)							(2007) - www.ssg.se/en/Windsprint/Split-times/			
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	-0.16	
wind	0.2 m/s	velocity	7.58	7.81	7.18	7.53	7.58	7.49		

**Harmon, Donita (USA) (1983)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2008 Windsprint (Sundsvall, SWE)							(2008) - www.ssg.se/en/Windsprint/Split-times/			
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		

**Harris, Flirtisha (USA) (1972)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 2</b> - 1996 USA Olympic Trials (Atlanta, GA)							USATF Women's Sprint Development (1996)			
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		

**Hasegawa, Misato (JPN) (1992)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 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 / 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	

**Hashizume, Sakina (JPN) (1993)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2011 Japanese National High School Championships (Kitakami, JPN)							Abe (2011) - 64th high school championships: JAF scientific committee			
date	06-Aug-11	time	7.08	13.74	18.57	25.06	25.06	1 / 8		
reaction time		interval		6.66	4.83	6.49	# of strides	13.74	11.32	2.42
wind	0.0 m/s	velocity	7.06	7.51	10.35	7.70	7.98	7.28	8.83	
<b>FINAL</b> - 2010 Japanese National High School Championships (Okinawa, JPN)							Matsuo (2010) - 63rd high school championships: JAF scientific committee			
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	# 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	

**Hässel, Julia (SWE) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2014 Windsprint (Sundsvall, SWE)							Johansen (2014) - www.ssg.se/windsprint/Splittider/			
date	20-Jul-14	time	12.65		25.16	25.16	3 / 4			
reaction time		interval			12.51	# of strides	12.65	12.51	0.14	
wind	1.6 m/s	velocity	7.91		7.99	7.95	7.91	7.99		

**Hastings, Natasha (USA) (1986)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Quarter-Final 1</b> - 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	0.03
wind	1.6 m/s	velocity	7.67	9.49	8.71	8.31	8.49	8.48	8.50	

**Heat 3 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

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	97.2	8.40	8.64	

**FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)**

USATF Women's Sprint Development (2003)

date	21-Jun-03	time	6.72	12.37	18.02	24.12	24.12	5 / 6			
reaction time		interval		5.65	5.65	6.10	<b>PB</b>	# of strides	12.37	11.75	0.62
wind	-1.5 m/s	velocity	7.44	8.85	8.85	8.20	8.29		8.08	8.51	

**Hatano, Minami (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	6.32	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	0.34
wind	1.2 m/s	velocity	7.91	8.16	8.52	8.01	8.14		8.03	8.26	

**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	

**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)** Matsuo (2009) - 62nd high school championships: JAF scientific committee

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	

**Hazel, Louise (GBR) (1985)**

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	6.57	12.01	17.82	24.19	24.19	3 / 1			
reaction time	0.187	interval		5.44	5.81	6.37	<b>PB</b>	# of strides	12.01	12.18	-0.17
wind	-0.2 m/s	velocity	7.61	9.19	8.61	7.85	8.27		8.33	8.21	

**Heinich, Christina (GDR) (1985)**

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		11.73	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	

**Hejnová, Zuzana (CZE) (1986)**

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

**FINAL - 2013 Czech Republic National Championships (Tábor, CZE)** Feher (2013) - Final report men's & women's Czech Republic national champs

date	16-Jun-13	time	6.65	12.00	17.62	23.65	23.65	4 / 3			
reaction time	0.134	interval		5.35	5.62	6.03	<b>PB</b>	# of strides	12.00	11.65	0.35
wind	0.3 m/s	velocity	7.52	9.35	8.90	8.29	8.46		8.33	8.58	

**Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)**

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

date	16-Jun-13	time	6.74	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	

**Helgesen, Irene (NOR) (1985)**

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

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

date	06-Jul-08	time		12.27	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	

**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	

**Helten, Inge (FRG) (1950)**

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

**FINAL - 1976 Olympic Games (Montreal, CAN)** Breizer (1984) - sprint competition analysis

date	28-Jul-76	time		11.45	17.02	22.68	22.68	7 / 5			
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

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

<b>Hemida, Bassant (EGY) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL - 2023 FBK Games (Hengelo, NED)</b>						<i>Omega Timing (2023) - continental tour race analysis</i>						
date	04-Jun-23	time	6.40	11.57	16.82	22.41	6 / 1					
reaction time	0.171	interval	5.17	5.25	5.59	<b>NR PB</b>	# 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		
<b>FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>						
date	28-May-23	time	6.33	11.52	16.87	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		
<b>Hemphill, Megu (JPN) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Heptathlon - FINAL - 2022 Japanese Multi-Event National Championships (Akita, JPN)</b>						<i>Takefu (2023) - performance analysis of heptathletes in the 2022 season</i>						
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			
<b>Heptathlon - Heat 1 - 2022 Michitaka Kinami Memorial (Osaka, JPN)</b>						<i>Takefu (2023) - performance analysis of heptathletes in the 2022 season</i>						
date	30-Apr-22	time	6.73	12.28	18.32	25.10	25.10	7 / 2				
reaction time	0.165	interval	5.55	6.04	6.78		# of strides	12.28	12.82	-0.54		
wind	-1.5 m/s	velocity	7.43	9.01	8.28	7.37	7.97	8.14	7.80			
<b>Heptathlon - Heat 3 - 2020 Japanese Multi-Event National Championships (Nagano, JPN)</b>						<i>Matsubayashi (2020) - research athlete performance technique- 2020 databook</i>						
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			
<b>Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)</b>						<i>Matsubayashi (2018) - research on athlete performance and technique</i>						
date	16-Jun-18	time	6.92	12.61	18.63	25.20	25.20	6 / 4				
reaction time		interval	5.69	6.02	6.57		# of strides	12.61	12.59	0.02		
wind	2.2 m/s	velocity	7.23	8.79	8.31	7.61	7.94	7.93	7.94			
<b>Heptathlon - Heat 3 - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)</b>						<i>Matsubayashi (2018) - research on athlete performance and technique</i>						
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	0.03		
wind	-0.4 m/s	velocity	7.20	8.67	8.24	7.56	7.88	7.87	7.89			
<b>Henriksson, Julia (SWE) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Heat 4 - 2023 World Athletics Championships (Budapest, HUN)</b>						<i>Seiko Timing (2023) - world championship race analysis</i>						
date	23-Aug-23	time		11.91		23.55	23.55	6 / 6				
reaction time	0.138	interval				11.64		# of strides	11.91	11.64	0.27	
wind	-0.4 m/s	velocity		8.40		8.59	8.49	97.0	8.40	8.59		
<b>FINAL - 2023 Bauhaus Galan (Stockholm, SWE)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>						
date	02-Jul-23	time	6.45	11.76	17.29	23.37	23.37	1 / 7				
reaction time	0.136	interval	5.31	5.53	6.08		# of strides	11.76	11.61	0.15		
wind	-0.6 m/s	velocity	7.75	9.42	9.04	8.22	8.56	97.0	8.50	8.61		
<b>FINAL - 2022 Bauhaus Galan (Stockholm, SWE)</b>						<i>Omega Timing (2022) - diamond league race analysis</i>						
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		
<b>Henriksson, Malin (SWE) (1978)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>B FINAL - 2007 Windsprint (Sundsvall, SWE)</b>						<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		
<b>Hewitt, Lauren (AUS) (1978)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL - 1999 IAAF World Championships (Sevilla, ESP)</b>						<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>						
date	27-Aug-99	time	6.28	11.42	16.80	22.53	22.53	1 / 7				
reaction time	0.132	interval	5.14	5.38	5.73	<b>PB</b>		# of strides	11.42	11.11	0.31	

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

wind 0.6 m/s velocity 7.96 9.73 9.29 8.73 8.88 8.76 9.00

<b>Hirosawa, Mae (JPN) (1997)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2020 All Japan Corporate Championships (Kumagaya, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	20-Sep-20	time	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	

<b>A FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)						<i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>					
date	03-May-19	time	6.70	12.34	18.21	24.39	24.39	9 / 6			
reaction time		interval		5.64	5.87	6.18		# of strides	12.34	12.05	0.29
wind	-1.2 m/s	velocity	7.46	8.87	8.52	8.09	8.20	99.5	8.10	8.30	

<b>Hjelmer, Moa (SWE) (1990)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2021 Bauhaus Galan (Stockholm, SWE)						<i>Omega Timing (2021) - diamond league race analysis</i>					
date	04-Jul-21	time	6.7	12.0	17.6	23.48	23.48	2 / 8			
reaction time	0.164	interval		5.30	5.60	5.88		# of strides	12.00	11.48	0.52
wind	-0.4 m/s	velocity	7.46	9.43	8.93	8.50	8.52	98.0	8.33	8.71	

<b>A FINAL</b> - 2015 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2015 Windsprint (Sundsvall, SWE)						<i>(2015) - www.windsprint/Splittider/</i>					
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	

<b>A FINAL</b> - 2013 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2013 Windsprint (Sundsvall, SWE)						<i>(2013) - www.ssg.se/windsprint/Splittider/</i>					
date	28-Jul-13	time		11.91	17.43	23.28	23.28	4 / 3			
reaction time		interval			5.52	5.85		# of strides	11.91	11.37	0.54
wind	1.6 m/s	velocity		8.40	9.06	8.55	8.59		8.40	8.80	

<b>FINAL</b> - 2012 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2012 Windsprint (Sundsvall, SWE)						<i>(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx</i>					
date	17-Jun-12	time		11.94		23.32	23.32	1 / 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	

<b>Hobaiba, Safae (MAR) (2004)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)						<i>Omega Timing (2022) - diamond league race analysis</i>					
date	05-Jun-22	time	7.38	13.62	20.17	27.33	27.33	7 / 7			
reaction time	0.196	interval		6.24	6.55	7.16		# of strides	13.62	13.71	-0.09
wind	1.1 m/s	velocity	6.78	8.01	7.63	6.98	7.32		7.34	7.29	

<b>Hodge, Adayah (IVB) (2006)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 2</b> - 2023 World Athletics Championships (Budapest, HUN)						<i>Seiko Timing (2023) - world championship race analysis</i>					
date	24-Aug-23	time		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	

<b>Heat 3</b> - 2023 World Athletics Championships (Budapest, HUN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 3</b> - 2023 World Athletics Championships (Budapest, HUN)						<i>Seiko Timing (2023) - world championship race analysis</i>					
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	

<b>Hodge, Virgil (SKN) (1983)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 3</b> - 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	

<b>Heat 2</b> - 2009 IAAF World Championships (Berlin, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 2</b> - 2009 IAAF World Championships (Berlin, GER)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>					
date	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	

<b>Hofmanová, Martina (CZE) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 2</b> - 2013 Czech Republic National Championships (Tábor, CZE)						<i>Fehér (2013) - Final report men's &amp; women's Czech Republic national champs</i>					
date	16-Jun-13	time	6.86	12.50	18.55	25.12	25.12	7 / 4			
reaction time	0.223	interval		5.64	6.05	6.57		# of strides	12.50	12.62	-0.12

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wind	-1.1 m/s	velocity	7.29	8.87	8.26	7.61	7.96		8.00	7.92
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<b>Holsten, Sarina (GER) (1994)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>B FINAL - 2010 German National Youth Championships (Ulm, GER)</b>							<i>Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>			
date	08-Aug-10	time	12.92	18.93	25.49	25.49	/ 4			
reaction time		interval		6.01	6.56		# of strides	12.92	12.57	0.35
wind	0.7 m/s	velocity	7.74	8.32	7.62	7.85		7.74	7.96	

<b>Holzschuh, Marie (GER) (1994)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2010 German National Youth Championships (Ulm, GER)</b>							<i>Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>			
date	08-Aug-10	time	12.62	18.34	24.54	24.54	/ 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	

<b>Hooker, Marshevet (USA) (1984)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>Heat 4 - 2009 IAAF World Championships (Berlin, GER)</b>					<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
date	19-Aug-09	time	6.28	11.31	16.65	22.51	22.51	8 / 1			
reaction time	0.181	interval		5.03	5.34	5.86		# of strides	11.31	11.20	0.11
wind	0.3 m/s	velocity	7.96	9.94	9.36	8.53	8.88		8.84	8.93	

<b>FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)</b>							<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>				
date	13-Sep-08	time	6.48	11.63	16.94	22.69	22.69	5 / 2			
reaction time	0.182	interval		5.15	5.31	5.75		# of strides	11.63	11.06	0.57
wind	0.1 m/s	velocity	7.72	9.71	9.42	8.70	8.81		8.60	9.04	

<b>FINAL - 2008 Olympic Games (Beijing, CHN)</b>					<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>						
date	21-Aug-08	time	11.21		22.34	22.34	7 / 5				
reaction time	0.200	interval			11.13	<b>PB</b>		# 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	

<b>FINAL - 2008 USA Olympic Trials (Eugene, OR)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	06-Jul-08	time	6.29	11.41	16.53	22.20	22.20	7 / 3			
reaction time		interval		5.12	5.12	5.67		# of strides	11.41	10.79	0.62
wind	5.6 m/s	velocity	7.95	9.77	9.77	8.82	9.01		8.76	9.27	

<b>Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.44	11.61	16.81	22.55	22.55	4 / 2			
reaction time		interval		5.17	5.20	5.74		# of strides	11.61	10.94	0.67
wind	-0.1 m/s	velocity	7.76	9.67	9.62	8.71	8.87		8.61	9.14	

<b>Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.57	11.69	16.93	22.74	22.74	5 / 1			
reaction time		interval		5.12	5.24	5.81		# of strides	11.69	11.05	0.64
wind	0.0 m/s	velocity	7.61	9.77	9.54	8.61	8.80		8.55	9.05	

<b>Heat 1 - 2008 USA Olympic Trials (Eugene, OR)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	04-Jul-08	time	6.51	11.79	17.10	22.87	22.87	6 / 1			
reaction time		interval		5.28	5.31	5.77		# of strides	11.79	11.08	0.71
wind	1.4 m/s	velocity	7.68	9.47	9.42	8.67	8.75	94.0	8.48	9.03	

<b>Hooper, Gloria (ITA) (1992)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)</b>							<i>Omega Timing (2021) - diamond league race analysis</i>				
date	10-Jun-21	time	6.8	12.0	17.5	23.25	23.25	8 / 7			
reaction time	0.222	interval		5.20	5.50	5.75		# of strides	12.00	11.25	0.75
wind	0.2 m/s	velocity	7.35	9.62	9.09	8.70	8.60	97.5	8.33	8.89	

<b>FINAL - 2013 European U23 Championships (Tampere, FIN)</b>							<i>FIDAL - Centro Studi &amp; Ricerche (2013) - <a href="http://www.youtube.com/watch?v=MpQ2zdXjX-w">www.youtube.com/watch?v=MpQ2zdXjX-w</a></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	

<b>Horn, Carina (RSA) (1989)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2012 Windsprint (Sundsvall, SWE)</b>							<i>(2012) - <a href="http://www.elitlandslag.se/SprintHäck/KortSprint.aspx">www.elitlandslag.se/SprintHäck/KortSprint.aspx</a></i>			
date	17-Jun-12	time	12.12		24.34	24.34	/ 5			
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	

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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Horowska, Nikola (POL) (2001)</b>											
<b>FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
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	
<b>Hosoya, Yumi (JPN) (1995)</b>											
<b>FINAL - 2021 Ready Steady Tokyo (Tokyo, JPN)</b>			<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>								
date	09-May-21	time	6.58	12.05	17.75	23.88	23.88	7 / 1			
reaction time	0.160	interval		5.47	5.70	6.13	<b>PB</b>	# 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	
<b>FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)</b>			<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	
<b>Hrůnová, Pavla (CZE) (1986)</b>											
<b>FINAL - 2013 Czech Republic National Championships (Tábor, CZE)</b>			<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.89	12.12	18.38	24.61	24.61	8 / 6			
reaction time	0.238	interval		5.23	6.26	6.23		# of strides	12.12	12.49	-0.37
wind	0.3 m/s	velocity	7.26	9.56	7.99	8.03	8.13		8.25	8.01	
<b>Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)</b>			<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.94	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	
<b>Huang Guifen (CHN) (1997)</b>											
<b>FINAL - 2021 Chinese National Championships (Chongqing, CHN)</b>			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time		11.95	17.51	23.47	23.47	6 / 2			
reaction time	0.193	interval			5.56	5.96		# of strides	11.95	11.52	0.43
wind	-0.2 m/s	velocity		8.37	8.99	8.39	8.52	95.5	8.37	8.68	
<b>Heat 4 - 2021 Chinese National Championships (Chongqing, CHN)</b>			<i>CAA Hurdle Development (2021)</i>								
date	27-Jun-21	time	6.16	12.08	17.63	23.50	23.50	4 / 2			
reaction time	0.235	interval		5.92	5.55	5.87		# of strides	12.08	11.42	0.66
wind	0.5 m/s	velocity	8.12	8.45	9.01	8.52	8.51	95.2	8.28	8.76	
<b>FINAL - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>			<i>CAA Hurdle Development (2021)</i>								
date	13-Jun-21	time		11.91		23.53	23.53	5 / 1			
reaction time	0.202	interval				11.62		# of strides	11.91	11.62	0.29
wind	0.2 m/s	velocity		8.40		8.61	8.50	97.0	8.40	8.61	
<b>Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>			<i>CAA Hurdle Development (2021)</i>								
date	12-Jun-21	time		11.80		23.41	23.41	6 / 1			
reaction time	0.176	interval				11.61		# of strides	11.80	11.61	0.19
wind	-0.4 m/s	velocity		8.47		8.61	8.54	97.0	8.47	8.61	
<b>FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)</b>			<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>								
date	03-Aug-19	time	6.58	11.84	17.47	23.54	23.54	5 / 3			
reaction time		interval		5.26	5.63	6.07		# of strides	11.84	11.70	0.14
wind	0.2 m/s	velocity	7.60	9.51	8.88	8.24	8.50		8.45	8.55	
<b>Huang Ziting (CHN) (2003)</b>											
<b>Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>			<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	
<b>Hulls, Georgia (NZL) (1999)</b>											
<b>Heat 4 - 2023 World Athletics Championships (Budapest, HUN)</b>			<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	0.40
wind	-0.4 m/s	velocity		8.42		8.71	8.56	99.0	8.42	8.71	

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



**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	0.02
wind	1.9 m/s	velocity	8.52	8.53	8.53	97.5	8.52	8.53	

**Humpolíková, Pavla (CZE) (1985)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	7.05	12.69	18.67	25.10	25.10	6 / 3		
reaction time	0.268	interval		5.64	5.98	6.43		# of strides	12.69	12.41
wind	-1.1 m/s	velocity	7.09	8.87	8.36	7.78	7.97		7.88	8.06

**Hurtis-Houairi, Muriel (FRA) (1979)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)***Graubner (2009) - <http://www.fgs.uni-halle.de>*

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

**FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)***Graubner (2007) - <http://www.fgs.uni-halle.de>*

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

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

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
wind	-2.0 m/s	velocity		8.70	9.23	8.45	8.76		8.70	8.82

**Hurtis, Muriel (FRA) (1979)****FINAL - 2002 European Championships (Munich, GER)***Graubner (2009) - <http://www.fgs.uni-halle.de>*

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
wind	-0.3 m/s	velocity	7.84	9.94	9.47	8.71	8.92		8.76	9.07

**Semi-Final 1 - 2002 European Championships (Munich, GER)***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
wind	1.0 m/s	velocity	7.81	9.90	9.43	8.76	8.90		8.73	9.08

**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
wind	-1.1 m/s	velocity	7.80	9.75	9.28	8.43	8.75		8.67	8.83

**Ichikawa, Kana (JPN) (1991)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****A FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Kobayashi (2019) - research on athlete performance technique- 2019 databook*

date	03-May-19	time	6.70	12.19	17.97	24.23	24.23	5 / 3		
reaction time		interval		5.49	5.78	6.26		# of strides	12.19	12.04
wind	-1.2 m/s	velocity	7.46	9.11	8.65	7.99	8.25	98.5	8.20	8.31

**FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	24-Jun-18	time	6.63	12.02	17.66	23.83	23.83	7 / 2		
reaction time	0.143	interval		5.39	5.64	6.17		# of strides	12.02	11.81
wind	1.1 m/s	velocity	7.54	9.28	8.87	8.10	8.39		8.32	8.47

**A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	03-May-18	time	6.62	12.00	17.69	24.03	24.03	6 / 4		
reaction time	0.165	interval		5.38	5.69	6.34		# of strides	12.00	12.03
wind	1.1 m/s	velocity	7.55	9.29	8.79	7.89	8.32	99.0	8.33	8.31

**Heat 2 - 2018 Shizuoka International Meeting (Fukuroi, JPN)***Ryutaro (2018) - research on athlete performance and technique- 2018 data book*

date	03-May-18	time	6.54	11.90	17.56	23.71	23.71	5 / 1		
reaction time	0.184	interval		5.36	5.66	6.15		# of strides	11.90	11.81
wind	1.4 m/s	velocity	7.65	9.33	8.83	8.13	8.44	98.0	8.40	8.47

**FINAL - 2017 Japanese National Championships (Osaka, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	6.52	11.85	17.45	23.63	23.63	6 / 1		
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

reaction time	0.158	interval	5.33	5.60	6.18	# of strides	11.85	11.78	0.07
wind	-0.2 m/s	velocity	7.67	9.38	8.93	8.09	8.46	8.44	8.49

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)**

Takahashi (2017) - 200m running performance analysis in the 2017 season

date	21-May-17	time	6.55	11.91	17.51	23.59	23.59	2 / 5	
reaction time	0.143	interval	5.36	5.60	6.08	# of strides	11.91	11.68	0.23
wind	0.6 m/s	velocity	7.63	9.33	8.93	8.22	8.48	99.2	8.40
			7.63	9.33	8.93	8.22	8.48	99.2	8.40

**FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)**

Takahashi (2017) - 200m running performance analysis in the 2017 season

date	03-May-17	time	6.70	12.16	17.93	24.28	24.28	7 / 4	
reaction time		interval	5.46	5.77	6.35	# of strides	12.16	12.12	0.04
wind	-0.5 m/s	velocity	7.46	9.16	8.67	7.87	8.24	8.22	8.25

**FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)**

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

date	03-May-16	time	6.75	12.26	18.00	24.28	24.28	1 / 4	
reaction time		interval	5.51	5.74	6.28	# of strides	12.26	12.02	0.24
wind	-1.5 m/s	velocity	7.41	9.07	8.71	7.96	8.24	8.16	8.32

**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	6.79	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
			7.36	9.16	8.93	8.04	8.31	97.5	8.16

**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

**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	0.43
wind	1.7 m/s	velocity	7.43	9.11	8.83	8.16	8.33	96.7	8.18
			7.43	9.11	8.83	8.16	8.33	96.7	8.18

**FINAL - 2011 Japanese National Championships (Kumagaya, JPN)**

Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters

date	12-Jun-11	time	6.56	11.88	17.54	23.62	23.62	1 / 2	
reaction time		interval	5.32	5.66	6.08	# of strides	11.88	11.74	0.14
wind	-0.7 m/s	velocity	7.62	9.40	8.83	8.22	8.47	8.42	8.52

**FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)**

Abe (2008) - 61st high school championships: JAF scientific committee

date	01-Aug-08	time	6.78	12.45	18.49	24.90	24.90	1 / 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

**Idoabigeiru, Fuka (JPN) (2001)**

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

**FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)**

Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020

date	25-Oct-20	time	6.67	12.21	17.96	24.15	24.15	3 / 1	
reaction time	0.163	interval	5.54	5.75	6.19	# of strides	12.21	11.94	0.27
wind	1.7 m/s	velocity	7.50	9.03	8.70	8.08	8.28	105.3	8.19
			7.50	9.03	8.70	8.08	8.28	105.3	8.19

**FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)**

Kotani (2019) - 72nd high school champs: JAF scientific committee - biomechanics data

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	<b>PB</b>	# 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

**FINAL - 2019 Japanese National Championships (Fukuoka, JPN)**

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

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	<b>PB</b>	# of strides	12.06	11.99
wind	-0.4 m/s	velocity	7.59	9.14	8.67	8.04	8.31	97.5	8.29
			7.59	9.14	8.67	8.04	8.31	97.5	8.29

**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)**

Kato (2018) - 71st high school championships: JAF scientific committee - biomechanics

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

**Igarashi, Yuka (JPN) (1991)**

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

**FINAL - 2009 Japanese National High School Championships (Nara, JPN)**

Matsuo (2009) - 62nd high school championships: JAF scientific committee

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DV=Drug Violation

date	01-Aug-09	time	6.68	12.25	18.13	24.45	24.45	4 / 2			
reaction time		interval		5.57	5.88	6.32		# of strides	12.25	12.20	0.05
wind	0.3 m/s	velocity	7.49	8.98	8.50	7.91	8.18		8.16	8.20	

**Igoshi, Akari (JPN) (2000)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2017 Japanese National High School Championships (Yamagata, JPN)					<i>Kota (2017) - 70th high school championships: JAF scientific committee</i>						
date	01-Aug-17	time	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	0.30
wind	-0.2 m/s	velocity	7.94	8.16	8.52	7.99	8.14		8.05	8.24	

**Iki, Aiko (JPN) (2000)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2021 Japanese National Championships (Osaka, JPN)					<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>						
date	27-Jun-21	time	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	0.31
wind	-1.0 m/s	velocity	7.55	9.21	13.81	6.16	8.41		8.30	8.52	

**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

**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	

**FINAL** - 2018 Japanese National Junior (U20) Championships (Nagano, JPN) *Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.75	12.34	18.06	24.23	24.23	3 / 4			
reaction time	0.194	interval		5.59	5.72	6.17		# of strides	12.34	11.89	0.45
wind	1.5 m/s	velocity	7.41	8.94	8.74	8.10	8.25		8.10	8.41	

**FINAL** - 2018 Japanese National High School Championships (Nagoya, JPN) *Kota (2018) - 71st high school championships: JAF scientific committee*

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	<b>PB</b>	# of strides	12.08	11.70	0.38
wind	0.8 m/s	velocity	8.06	8.50	8.82	8.29	8.41		8.28	8.55	

**Iki, Ichiko (JPN) (1997)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2017 Japanese National Championships (Osaka, JPN)					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>						
date	25-Jun-17	time	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	

**Ilieva, Tsvetanka (BUL) (1963)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)											
date	30-Jun-91	time		12.24		24.04	24.04	/ 5			
reaction time		interval				11.80		# of strides	12.24	11.80	0.44
wind	-3.4 m/s	velocity		8.17		8.47	8.32		8.17	8.47	

**Imai, Saori (JPN) (1990)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2017 Japanese National Championships (Osaka, JPN)					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>						
date	25-Jun-17	time	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	

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

date	21-May-17	time	6.67	12.20	17.86	23.91	23.91	1 / 7			
reaction time	0.165	interval		5.53	5.66	6.05		# of strides	12.20	11.71	0.49
wind	0.6 m/s	velocity	7.50	9.04	8.83	8.26	8.36		8.20	8.54	

**FINAL** - 2017 Shizuoka International Meeting (Fukuuroi, JPN) *Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	03-May-17	time	6.78	12.39	18.15	24.21	24.21	4 / 2			
reaction time		interval		5.61	5.76	6.06		# of strides	12.39	11.82	0.57
wind	-0.5 m/s	velocity	7.37	8.91	8.68	8.25	8.26		8.07	8.46	

**FINAL** - 2011 Japanese National Championships (Kumagaya, JPN) *Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters*

date	12-Jun-11	time	6.62	12.03	17.82	23.97	23.97	/ 4	
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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

**FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)** Abe (2008) - 61st high school championships: JAF scientific committee

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	-0.01
wind	-2.4 m/s velocity	7.56	8.99	8.43	8.00	8.21	8.22	8.21

**Isaksen, Iren Vevatne (NOR) (1985)** 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	12.70	25.33	25.33	/ 5
reaction time	interval	12.63	# of strides	12.70	12.63	0.07
wind	1.9 m/s velocity	7.87	3.95	7.90	7.87	7.92

**Ishido, Hina (JPN) (2002)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)** (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	-0.15
wind	1.3 m/s velocity	7.75	9.42	8.88	7.96	8.45	8.50	8.40	

**Ishikawa, Yu (JPN) (2002)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)** Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020

date	25-Oct-20	time	6.71	12.21	17.85	23.82	23.82	5 / 1	
reaction time	0.181 interval	5.50	5.64	5.97	# of strides	12.21	11.61	0.60	
wind	4.3 m/s velocity	7.45	9.09	8.87	8.38	8.40	101.0	8.19	8.61

**Race 2 - 2020 World Athletics Trials (Fuji, JPN)** Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020

date	06-Sep-20	time	6.59	11.98	17.76	24.03	24.03	2 / 4	
reaction time	interval	5.39	5.78	6.27	PB	# of strides	11.98	12.05	-0.07
wind	-0.7 m/s velocity	7.59	9.28	8.65	7.97	8.32	8.35	8.30	

**U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)** Yama (2019) - research on athlete performance and technique- 2019 data book

date	20-Oct-19	time	6.65	12.10	17.97	24.25	24.25	6 / 1	
reaction time	0.177 interval	5.45	5.87	6.28	# of strides	12.10	12.15	-0.05	
wind	-1.3 m/s velocity	7.52	9.17	8.52	7.96	8.25	100.5	8.26	8.23

**Ito, Mizuki (JPN) (1994)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)** Abe (2011) - 64th high school championships: JAF scientific committee

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

**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

**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	-0.01
wind	-1.2 m/s velocity	7.59	9.24	8.80	7.90	8.33	8.33	8.33

**Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)** 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

**Iwadate, Hanae (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	6.82	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

**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

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DV=Drug Violation

date	01-Aug-08	time	6.88	12.57	18.60	25.11	25.11	/ 8			
reaction time		interval		5.69	6.03	6.51		# of strides	12.57	12.54	0.03
wind	-2.4 m/s	velocity	7.27	8.79	8.29	7.68	7.96		7.96	7.97	

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jackson, Grace (JAM) (1961)</b>											
<b>FINAL - 1992 Olympic Games (Barcelona, ESP)</b>			<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	
<b>FINAL - 1989 IAAF World Cup (Barcelona, ESP)</b>			<i>Pascua (1990) - atletismo (I) carreras y marcha</i>								
date	08-Sep-89	time	11.98		17.38	22.87	22.87	/ 3			
reaction time	0.212	interval			5.40	5.49		# of strides	11.98	10.89	1.09
wind	0.2 m/s	velocity	8.35		9.26	9.11	8.75		8.35	9.18	
<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b>			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	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	<b>PB</b>	# 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	
<b>Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)</b>			<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	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	<b>PB</b>	# of strides	11.37	10.76	0.61
wind	1.8 m/s	velocity	7.86	9.98	9.56	9.04	9.04		8.80	9.29	
<b>FINAL - 1985 World Cup (Canberra, AUS)</b>			<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	
<b>FINAL - 1984 Olympic Games (Los Angeles, CA)</b>			<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	<b>PB</b>	# of strides	11.44	10.74	0.70
wind	0.1 m/s	velocity		8.74		9.31	9.01		8.74	9.31	
<b>FINAL - 1983 IAAF World Championships (Helsinki, FIN)</b>			<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	<b>PB</b>	# of strides	11.67	10.96	0.71
wind	1.5 m/s	velocity		8.57	9.43	8.83	8.84	85.2	8.57	9.12	
<b>Jackson, Shawnti (USA) (2005)</b>											
<b>FINAL - 2022 Prefontaine Classic (Eugene, OR)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	28-May-22	time	6.34	11.58	17.18	23.28	23.28	9 / 9			
reaction time	0.124	interval		5.24	5.60	6.10		# of strides	11.58	11.70	-0.12
wind	1.3 m/s	velocity	7.89	9.54	8.93	8.20	8.59	100.0	8.64	8.55	
<b>Jackson, Shericka (JAM) (1994)</b>											
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
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	0.47
wind	0.3 m/s	velocity	8.18	10.18	9.84	9.14	9.27	93.5	9.07	9.48	
<b>FINAL - 2023 Memorial van Damme (Brussels, BEL)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
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	0.52
wind	0.2 m/s	velocity	8.18	10.22	9.82	9.28	9.31	93.0	9.09	9.54	
<b>FINAL - 2023 Weltklasse (Zürich, SUI)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	31-Aug-23	time	6.18	11.15	16.32	21.82	21.82	6 / 1			
reaction time	0.150	interval		4.97	5.17	5.50		# of strides	11.15	10.67	0.48
wind	-0.8 m/s	velocity	8.09	10.06	9.67	9.09	9.17	94.7	8.97	9.37	
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b>			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	25-Aug-23	time		11.05		21.41	21.41	6 / 1			
reaction time	0.161	interval				10.36	<b>CR NR PB</b>	# of strides	11.05	10.36	0.69
wind	0.1 m/s	velocity		9.05		9.65	9.34	93.0	9.05	9.65	

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<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)</b>								<i>Seiko Timing (2023) - world championship race analysis</i>			
date	24-Aug-23	time	11.20	22.00	22.00			7 / 1			
reaction time	0.187	interval		10.80				# of strides	11.20	10.80	0.40
wind	-0.2 m/s	velocity	8.93	9.26	9.09			94.0	8.93	9.26	
<b>Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b>								<i>Seiko Timing (2023) - world championship race analysis</i>			
date	23-Aug-23	time	11.41	22.51	22.51			4 / 1			
reaction time	0.191	interval		11.10				# of strides	11.41	11.10	0.31
wind	-0.4 m/s	velocity	8.76	9.01	8.88			94.5	8.76	9.01	
<b>FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>								<i>Omega Timing (2023) - diamond league race analysis</i>			
date	21-Jul-23	time	6.22	11.20	16.38	21.86	21.86	5 / 1			
reaction time	0.163	interval		4.98	5.18	5.48		# of strides	11.20	10.66	0.54
wind	0.2 m/s	velocity	8.04	10.04	9.65	9.12	9.15	93.0	8.93	9.38	
<b>FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)</b>								<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	
<b>FINAL - 2022 Weltklasse (Zürich, SUI)</b>								<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	
<b>FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)</b>								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	06-Aug-22	time	6.23	11.22	16.35	21.84	21.84	6 / 1			
reaction time	0.173	interval		4.99	5.13	5.49		# of strides	11.22	10.62	0.60
wind	0.2 m/s	velocity	8.03	10.02	9.75	9.11	9.16	94.6	8.91	9.42	
<b>FINAL - 2022 World Athletics Championships (Eugene, OR)</b>								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	21-Jul-22	time	11.04	21.45	21.45			4 / 1			
reaction time	0.144	interval		10.41	<b>CR NR PB</b>			# of strides	11.04	10.41	0.63
wind	0.6 m/s	velocity	9.06	9.61	9.32			93.2	9.06	9.61	
<b>Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)</b>								<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	
<b>Heat 1 - 2022 World Athletics Championships (Eugene, OR)</b>								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	18-Jul-22	time	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	
<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b>								<i>Omega Timing (2022) - diamond league race analysis</i>			
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	
<b>FINAL - 2022 Doha Diamond League (Doha, QAT)</b>								<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	
<b>FINAL - 2021 Memorial van Damme (Brussels, BEL)</b>								<i>Omega Timing (2021) - diamond league race analysis</i>			
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	
<b>FINAL - 2021 Bauhaus Galan (Stockholm, SWE)</b>								<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	

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DV=Drug Violation

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Jacobs, Simone (GBR) (1966)</b>											
<b>FINAL</b> - 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	-0.14
wind	-0.2 m/s	velocity	7.69	9.54	8.96	7.94	8.47		8.52	8.42	
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)											
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	
<b>Janoušová, Jana (CZE) (1995)</b>											
<b>Heat 3</b> - 2013 Czech Republic National Championships (Tábor, CZE)											
date	16-Jun-13	time	6.72	12.39	18.30	25.02	25.02	2 / 4			
reaction time	0.176	interval		5.67	5.91	6.72		# of strides	12.39	12.63	-0.24
wind	-0.3 m/s	velocity	7.44	8.82	8.46	7.44	7.99		8.07	7.92	
<b>Jansson, Ida (SWE) (1995)</b>											
<b>E FINAL</b> - 2014 Windsprint (Sundsvall, SWE)											
date	20-Jul-14	time		13.08		25.67	25.67	4 / 3			
reaction time		interval			12.59			# of strides	13.08	12.59	0.49
wind	1.3 m/s	velocity		7.65		7.94	7.79		7.65	7.94	
<b>Jayasinghe, Susanthika (SRI) (1975)</b>											
<b>FINAL</b> - 2007 IAAF World Championships (Osaka, JPN)											
date	31-Aug-07	time	6.36	11.45	16.82	22.63	22.63	8 / 3			
reaction time	0.200	interval		5.09	5.37	5.81		# of strides	11.45	11.18	0.27
wind	1.7 m/s	velocity	7.86	9.82	9.31	8.61	8.84	94.7	8.73	8.94	
<b>FINAL</b> - 2000 Olympic Games (Sydney, AUS)											
date	28-Sep-00	time		11.2		22.3	22.28	6 / <del>3</del> 2			
reaction time	0.207	interval			11.1	<b>NR</b>		# of strides	11.20	11.10	0.10
wind	0.7 m/s	velocity		8.93		9.01	8.98		8.93	9.01	
<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)											
date	08-Aug-97	time	6.05	11.07	16.39	22.21	22.39	4 / 2			
reaction time	0.181	interval		5.02	5.32	5.82		# of strides	11.07	11.14	-0.07
wind	-0.7 m/s	velocity	8.26	9.96	9.40	8.59	8.93	95.0	9.03	8.98	
<b>Jefferson, Kyra (USA) (1994)</b>											
<b>FINAL</b> - 2019 The Match - Europe v USA (Minsk, BLR)											
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	
<b>FINAL</b> - 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	0.16
wind	0.5 m/s	velocity	7.78	9.71	9.12	8.42	8.70	96.0	8.64	8.76	
<b>FINAL</b> - 2017 NCAA Championships (Eugene, OR)											
date	10-Jun-17	time		11.5		22.0	22.02	5 / 1			
reaction time		interval			10.50	<b>PB</b>		# 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	
<b>FINAL</b> - 2015 NCAA Championships (Eugene, OR)											
date	13-Jun-15	time		11.5		22.2	22.24	4 / 4			
reaction time		interval			10.70	<b>PB</b>		# of strides	11.50	10.70	0.80
wind	1.9 m/s	velocity		8.70		9.35	8.99		8.70	9.35	
<b>Jenkins, LaTasha (USA) (1977)</b>											
<b>FINAL</b> - 2006 USATF National Championships (Indianapolis, IN)											
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	

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DV=Drug Violation

**FINAL** - 2003 USATF National Championships (Palo Alto, CA)

USATF Women's Sprint Development (2003)

date	22-Jun-03	time	6.61	11.85	17.03	22.65	22.65	6 / 4 3			
reaction time		interval		5.24	5.18	5.62		# of strides	11.85	10.80	1.05
wind	0.0 m/s	velocity	7.56	9.54	9.65	8.90	8.83		8.44	9.26	

**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				11.55		# of strides	11.30	11.55	-0.25
wind	-0.8 m/s	velocity		8.85		8.66	8.75		8.85	8.66	

**Jensen, Christine (DEN) (1991)**

50m

100m

150m

200m

Official Time

Lane / Place

0-100m

100-200m

Differential

**A FINAL** - 2014 Windsprint (Sundsvall, SWE)

Johansen (2014) - www.ssg.se/windsprint/Splittider/

date	20-Jul-14	time		12.38		24.36	24.36	6 / 4			
reaction time		interval				11.98		# of strides	12.38	11.98	0.40
wind	2.7 m/s	velocity		8.08		8.35			8.08	8.35	

**Jensen, Christine Bjelland (NOR) (1991)**

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		11.93		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	

**C FINAL** - 2012 Windsprint (Sundsvall, SWE)

(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx

date	17-Jun-12	time		12.86		25.45	25.45	1 / 3			
reaction time		interval				12.59		# of strides	12.86	12.59	0.27
wind	0.1 m/s	velocity		7.78		3.93	7.86		7.78	7.94	

**Jeter, Carmelita (USA) (1979)**

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		11.08		22.14	22.14	9 / 3			
reaction time	0.167	interval				11.06		# of strides	11.08	11.06	0.02
wind	-0.2 m/s	velocity		9.03		9.04	9.03	96.0	9.03	9.04	

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

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

date	30-Jun-12	time		11.2		22.11	22.11	8 / 2			
reaction time	0.165	interval				10.91	PB	# of strides	11.20	10.91	0.29
wind	1.0 m/s	velocity		8.93		9.17	9.05		8.93	9.17	

**FINAL** - 2011 IAAF World Championships (Daegu, KOR)

KSSB (2011) - biomechanical analysis of men's 200m (final)

date	02-Sep-11	time		6.08	11.15	16.44	22.37	22.37	4 / 2		
reaction time	0.178	interval			5.07	5.29	5.93		# of strides	11.15	11.22
wind	-1.0 m/s	velocity		8.22	9.86	9.45	8.43	8.94	98.2	8.97	8.91

**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
wind	0.1 m/s	velocity		7.58	9.56	9.31	8.65	8.70		8.45	8.97

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

USATF Women's Sprint Development with HPC (2008)

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

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

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time		6.41	11.53	16.75	22.61	22.61	7 / 4		
reaction time		interval			5.12	5.22	5.86		# of strides	11.53	11.08
wind	0.0 m/s	velocity		7.80	9.77	9.58	8.53	8.85		8.67	9.03

**Quarter-Final 3** - 2008 USA Olympic Trials (Eugene, OR)

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time		6.54	11.73	16.93	22.90	22.90	7 / 2		
reaction time		interval			5.19	5.20	5.97		# of strides	11.73	11.17
wind	0.0 m/s	velocity		7.65	9.63	9.62	8.38	8.73		8.53	8.95

**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
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<b>Jett, Kisha (USA) (1975)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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	

<b>Semi-Final 1</b> - 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	

<b>Jirhed, Josefine (SWE) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>F FINAL</b> - 2014 Windsprint (Sundsvall, SWE)		<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>								
date	20-Jul-14	time	13.95		28.00	28.00	2 / 3			
reaction time		interval			14.05	<b>PB</b>	# of strides	13.95	14.05	-0.10
wind	0.1 m/s	velocity	7.17		7.12	7.14		7.17	7.12	

<b>Jiya, Tasa (NED) (1997)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2023 Prefontaine Classic (Eugene, OR)		<i>Omega Timing (2023) - diamond league race analysis</i>									
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	0.40
wind	0.3 m/s	velocity	7.80	9.52	9.17	8.61	8.73		8.58	8.88	

<b>FINAL</b> - 2023 Memorial van Damme (Brussels, BEL)		<i>Omega Timing (2023) - diamond league race analysis</i>									
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	

<b>Semi-Final 1</b> - 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	<b>PB</b>	# 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

<b>Heat 5</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time	11.59		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

<b>FINAL</b> - 2023 Bauhaus Galan (Stockholm, SWE)		<i>Omega Timing (2023) - diamond league race analysis</i>									
date	02-Jul-23	time	6.44	11.69	17.19	23.15	23.15	8 / 6			
reaction time	0.205	interval		5.25	5.50	5.96		# of strides	11.69	11.46	0.23
wind	-0.6 m/s	velocity	7.76	9.52	9.09	8.39	8.64	93.0	8.55	8.73	

<b>FINAL</b> - 2023 Athletissima (Lausanne, SUJ)		<i>Omega Timing (2023) - diamond league race analysis</i>									
date	30-Jun-23	time	6.45	11.70	17.24	23.16	23.16	5 / 1			
reaction time	0.190	interval		5.25	5.54	5.92		# of strides	11.70	11.46	0.24
wind	-0.4 m/s	velocity	7.75	9.52	9.03	8.45	8.64		8.55	8.73	

<b>FINAL</b> - 2023 FBK Games (Hengelo, NED)		<i>Omega Timing (2023) - continental tour race analysis</i>									
date	04-Jun-23	time	6.38	11.61	17.01	22.84	22.84	7 / 4			
reaction time	0.170	interval		5.23	5.40	5.83	<b>PB</b>	# 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	

<b>John, Viviane (GER) (1993)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2010 German National Youth Championships (Ulm, GER)		<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>								
date	08-Aug-10	time	12.71	18.60	25.14	25.14	/ 8			
reaction time		interval		5.89	6.54		# of strides	12.71	12.43	0.28
wind	-0.2 m/s	velocity	7.87	8.49	7.65	7.96		7.87	8.05	

<b>Johnson-Thompson, Katarina (GBR)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heptathlon - Heat 3</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>								
date	19-Aug-23	time	12.02		23.48	23.48	6 / 1			
reaction time	0.184	interval			11.46		# of strides	12.02	11.46	0.56
wind	0.0 m/s	velocity	8.32		8.73	8.52	89.5		8.32	8.73

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

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

date	17-Jul-22	time	11.99	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	

**Johansson, Malin (SWE) (1992)**

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

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

date	20-Jul-14	time	12.76	24.92	24.92	2 / 2			
reaction time		interval		12.16	<b>PB</b>	# of strides	12.76	12.16	0.60
wind	2.0 m/s	velocity	7.84	8.22	8.03		7.84	8.22	

**Jones, Brittany (USA) (1989)**

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

**FINAL - 2005 USATF National Junior Championships (Carson, CA)***USATF Women's Sprint Development (2005)*

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

**Jones, Esther (USA) (1969)**

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

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

**Jones, Hayley (GBR) (1988)**

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

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

date	17-Jun-12	time	11.75	23.22	23.22	1 / 1			
reaction time		interval		11.47		# of strides	11.75	11.47	0.28
wind	2.2 m/s	velocity	8.51	4.31	8.61		8.51	8.72	

**Jones, Marion (USA) (1975)**

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	6.37	11.52	16.92	22.93	22.93	8 / <del>5</del>	
reaction time		interval		5.15	5.40	6.01	<b>DV</b>	# of strides	11.52
wind	-0.6 m/s	velocity	7.85	9.71	9.26	8.32	8.72		8.68

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

date	10-Aug-01	time	10.9			22.39	22.39	5 / <del>4</del>	
reaction time	0.186	interval			11.49	<b>DV</b>	# of strides	10.90	11.49
wind	-0.8 m/s	velocity	9.17		8.70	8.93	94.5	9.17	8.70

**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 / <del>4</del>		
reaction time	0.174	interval		5.20	5.61	<b>DV</b>	# of strides	11.03	10.81
wind	0.7 m/s	velocity	9.07	9.62	8.91	9.16		9.07	9.25

**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			10.84		# of strides	11.10	10.84
wind	0.5 m/s	velocity	9.01		9.23	9.12		9.01	9.23

**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 / 1	
reaction time		interval			10.79		# of strides	11.12	10.79
wind	-0.4 m/s	velocity	8.99		9.27	9.13		8.99	9.27

**FINAL - 1998 World Cup (Johannesburg, RSA) (Altitude)***Veney - 200m women from PJ*

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	<b>CR / PB</b>	# of strides	11.08
wind	-0.6 m/s	velocity	8.05	10.27	9.90	9.11	9.25		9.03

**Jones-Ferrette, LaVerne (ISV) (1981)**

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	6.18	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
wind	0.3 m/s	velocity	8.09	9.84	9.24	8.24	8.80		8.88

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

<b>Heat 5 - 2009 IAAF World Championships (Berlin, GER)</b>				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	19-Aug-09	time	6.17	11.24	16.75	22.97	22.97	4 / 3			
reaction time	0.142	interval		5.07	5.51	6.22		# of strides	11.24	11.73	-0.49
wind	0.1 m/s	velocity	8.10	9.86	9.07	8.04	8.71		8.90	8.53	

<b>Jordan, Victoria (USA) (1990)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2008 USATF National Junior Championships (Columbus, OH)</b>				<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	22-Jun-08	time		12.02	17.62	23.73	23.73	8 / 2				
reaction time		interval			5.60	6.11		# of strides	12.02	11.71	0.31	
wind	-2.4 m/s	velocity		8.32	8.93	8.18	8.43		8.32	8.54		

<b>Joseph, Gémima (FRA) (2001)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>				<i>Omega Timing (2023) - diamond league race analysis</i>								
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	1.14	
wind	0.3 m/s	velocity	7.76	9.19	8.82	9.86	8.47		8.42	9.31		

<b>FINAL - 2023 Meeting de Paris (Paris, FRA)</b>				<i>Omega Timing (2023) - diamond league race analysis</i>								
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		

<b>Junk, Sophia (GER) (1999)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 2 - 2022 World Athletics Championships (Eugene, OR)</b>				<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		11.66		23.27	23.27	3 / 5				
reaction time	0.138	interval				11.61		# of strides	11.66	11.61	0.05	
wind	-0.2 m/s	velocity		8.58		8.61	8.59	101.0	8.58	8.61		

<b>FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)</b>				<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>								
date	14-Jul-18	time	6.67	12.07	17.59	23.55	23.55	1 / <del>5</del> 5				
reaction time	0.177	interval		5.40	5.52	5.96		# of strides	12.07	11.48	0.59	
wind	-0.1 m/s	velocity	7.50	9.26	9.06	8.39	8.49		8.29	8.71		

<b>Kaddari, Dalia (ITA) (2001)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)</b>				<i>Seiko Timing (2023) - world championship race analysis</i>								
date	24-Aug-23	time		11.61		22.75	22.75	2 / <del>7</del> 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		

<b>Heat 6 - 2023 World Athletics Championships (Budapest, HUN)</b>				<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		

<b>Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)</b>				<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time		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		

<b>Heat 1 - 2022 World Athletics Championships (Eugene, OR)</b>				<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		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		

<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b>				<i>Omega Timing (2022) - diamond league race analysis</i>								
date	09-Jun-22	time	6.44	11.66	17.22	23.29	23.29	9 / 8				
reaction time	0.148	interval		5.22	5.56	6.07		# of strides	11.66	11.63	0.03	
wind	1.3 m/s	velocity	7.76	9.58	8.99	8.24	8.59	97.7	8.58	8.60		

<b>FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)</b>				<i>Omega Timing (2021) - diamond league race analysis</i>								
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	<b>PB</b>	# 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		

<b>Kaden, Lilly (GER) (2001)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**FINAL - 2021 Memorial van Damme (Brussels, BEL)***Omega Timing (2021) - diamond league race analysis*

date	03-Sep-21	time	6.5	11.7	17.4	23.40	23.40	1 / 7			
reaction time	0.206	interval		5.20	5.70	6.00		# of strides	11.70	11.70	0.00
wind	0.4 m/s	velocity	7.69	9.62	8.77	8.33	8.55	101.0	8.55	8.55	

**Kageyama, Sakiho (JPN) (2002)**

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

**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	6.59	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	0.10
wind	-0.8 m/s	velocity	7.59	8.99	8.62	8.00	8.26	109.0	8.23	8.30	

**FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)***72nd high school champs: JAF scientific committee - biomechanics data*

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	<b>PB</b>	# of strides	12.17	11.65	0.52
wind	1.3 m/s	velocity	7.52	9.06	8.94	8.25	8.40		8.22	8.58	

**FINAL - 2019 Japanese National Championships (Fukuoka, JPN)***Yamanaka (2019) - research on athlete performance and technique- 2019 data book*

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	<b>PB</b>	# of strides	12.12	11.78	0.34
wind	-0.4 m/s	velocity	7.62	8.99	8.74	8.25	8.37	108.0	8.25	8.49	

**B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuuroi, JPN)***Kobayashi (2019) - research on athlete performance technique- 2019 databook*

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	

**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.64	12.18	18.02	24.32	24.32	6 / 1			
reaction time	0.198	interval		5.54	5.84	6.30		# of strides	12.18	12.14	0.04
wind	1.5 m/s	velocity	7.53	9.03	8.56	7.94	8.22		8.21	8.24	

**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)***Kota (2018) - 71st high school championships: JAF scientific committee*

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	<b>PB</b>	# 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	

**Kaidantzi, Ólga (GRE) (1979)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 2 - 2002 European Championships (Munich, GER)***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	0.35
wind	0.0 m/s	velocity	7.61	9.43	9.06	8.33	8.55		8.42	8.68	

**Kälin, Annik (SUI) (2000)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

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	

**Kambundji, Mujinga (SUI) (1992)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2023 Weltklasse (Zürich, SUI)***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	

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

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	

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

date	21-Jul-22	time		11.31		22.55	22.55	1 / 8			
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

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	

**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	<b>NR PB</b>	# 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	

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

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	

**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
wind	0.1 m/s	velocity	8.10	9.88	9.42	8.58	8.94	100.0	11.14
									0.09
								8.90	8.98

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

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
wind	1.3 m/s	velocity	7.99	9.67	9.17	8.45	8.77	101.0	11.37
									0.06
								8.75	8.80

**FINAL - 2022 Prefontaine Classic (Eugene, OR)***Omega Timing (2022) - diamond league race analysis*

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
wind	1.3 m/s	velocity	7.91	9.52	9.19	8.52	8.74	101.2	11.31
									0.26
								8.64	8.84

**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
wind	0.7 m/s	velocity	8.06	9.62	9.09	8.55	8.79	101.0	11.35
									0.05
								8.77	8.81

**FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)***Omega Timing (2021) - diamond league race analysis*

date	10-Jun-21	time	6.5	11.6	17.2	22.60	22.60	6 / 3	
reaction time	0.147	interval		5.10	5.60	5.40		# of strides	11.60
wind	0.2 m/s	velocity	7.69	9.80	8.93	9.26	8.85	100.0	11.00
									0.60
								8.62	9.09

**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
wind	0.9 m/s	velocity	7.99	9.77	9.38	8.62	8.88	100.0	11.13
									0.25
								8.79	8.98

**FINAL - 2019 Weltklasse (Zürich, SUI)***Omega Timing (2019) - diamond league race analysis*

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
wind	-0.4 m/s	velocity	7.81	9.80	9.43	8.65	8.86	101.0	11.08
									0.42
								8.70	9.03

**Semi-Final 3 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m*

date	10-Aug-17	time	11.19	16.68	22.87	23.00	5 / 3		
reaction time	0.129	interval		5.49	6.19		# of strides	11.19	11.68
wind	-0.2 m/s	velocity	8.94	9.11	8.08	8.70	102.5	8.94	8.56
									-0.49

**Karstoft, Ida (DEN) (1995)**

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

**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	

**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	
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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

**FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)***Omega Timing (2022) - diamond league race analysis*

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	

**FINAL - 2022 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2022) - diamond league race analysis*

date	30-Jun-22	time	6.37	11.51	16.95	22.90	22.90	7 / 3			
reaction time	0.176	interval	5.14	5.44	5.95			# of strides	11.51	11.39	0.12
wind	0.1 m/s	velocity	7.85	9.73	9.19	8.40	8.73	91.0	8.69	8.78	

**Kashiyama, Kaede (JPN) (1994)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	22-Sep-18	time	6.69	12.26	18.10	24.44	24.44	3 / 6			
reaction time	0.153	interval	5.57	5.84	6.34			# of strides	12.26	12.18	0.08
wind	0.2 m/s	velocity	7.47	8.98	8.56	7.89	8.18		8.16	8.21	

**Kasprzyk, Ewa (POL) (1957)**

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

**FINAL - 1986 European Championships (Stuttgart, FRG)***Veney - 200m women from PJ*

date	29-Jun-86	time	11.43	22.73	22.73	5 / 5					
reaction time	0.224	interval	11.30					# of strides	11.43	11.30	0.13
wind	-0.8 m/s	velocity	8.75	8.85	8.80				8.75	8.85	

**FINAL - 1985 World Cup (Canberra, AUS)***Veney - 200m women from PJ*

date	04-Oct-85	time	11.7	23.05	23.05	6 / 4					
reaction time		interval	11.35					# of strides	11.70	11.35	0.35
wind	-0.7 m/s	velocity	8.55	8.81	8.68				8.55	8.81	

**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	

**Kato, Shiori (JPN) (2001)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	25-Oct-20	time	6.85	12.66	18.77	25.20	25.20	4 / 6			
reaction time	0.187	interval	5.81	6.11	6.43			# of strides	12.66	12.54	0.12
wind	1.7 m/s	velocity	7.30	8.61	8.18	7.78	7.94	108.4	7.90	7.97	

**U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)***Noma (2019) - research on athlete performance and technique- 2019 data book*

date	20-Oct-19	time	6.86	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	0.05
wind	-0.8 m/s	velocity	7.29	8.76	8.29	7.70	7.97	105.0	7.96	7.99	

**Katsura, Yuliya (RUS) (1983)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**A FINAL - 2013 Windsprint (Sundsvall, SWE)***(2013) - www.ssg.se/windsprint/Splittider/*

date	28-Jul-13	time	12.01	17.71	23.83	23.83	6 / 4				
reaction time		interval	5.70	6.12				# of strides	12.01	11.82	0.19
wind	1.6 m/s	velocity	8.33	8.77	8.17	8.39			8.33	8.46	

**Kawamura, Tomomi (JPN) (1997)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)***Enomoto (2015) - 68th high school championships: JAF scientific committee*

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	-0.17
wind	-3.4 m/s	velocity	8.14	8.25	8.46	7.74	8.14		8.20	8.08	

**Kawanaka, Aori (JPN) (2001)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)***Kota (2018) - 71st high school championships: JAF scientific committee*

date	05-Aug-18	time	6.36	12.39	18.17	24.45	24.45	8 / 7		
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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

**FINAL** - 2017 Japanese National High School Championships (Yamagata, JPN) *Kota (2017) - 70th high school championships: JAF scientific committee*

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	12.35	0.09
wind	-0.2 m/s	velocity	7.90	8.18	8.56	7.68	8.07	8.04	8.10

**Kawasaki, Natsumi (JPN) (2001)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 2020 Japanese U20 National Championships (Hiroshima, JPN) *Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	25-Oct-20	time	6.89	12.58	18.51	24.71	24.71	1 / 4		
reaction time	0.221	interval	5.69	5.93	6.20	# of strides	12.58	12.13	0.45	
wind	1.7 m/s	velocity	7.26	8.79	8.43	8.06	8.09	106.5	7.95	8.24

**Khabarova, Irina (RUS) (1966)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Semi-Final 1** - 2002 European Championships (Munich, GER) *Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	6.47	11.80	17.37	23.59	23.59	1 / 7	
reaction time	0.187	interval	5.33	5.57	6.22	# of strides	11.80	11.79	0.01
wind	1.0 m/s	velocity	7.73	9.38	8.98	8.04	8.48	8.47	8.48

**Kidd, Ashlee (USA) (1985)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

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

**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

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

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	97.2	8.47	8.87

**Kim Min-Ji (KOR) (1990)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 2015 Mikio Oda Memorial (Hiroshima, JPN) *Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

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

**Kimura, Akane (JPN) (1993)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 2011 Japanese National High School Championships (Kitakami, JPN) *Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	6.63	13.60	18.37	24.79	24.79	1 / 6	
reaction time		interval	6.97	4.77	6.42	# of strides	13.60	11.19	2.41
wind	0.0 m/s	velocity	7.54	7.17	10.48	7.79	8.07	7.35	8.94

**Kiryama, Chie (JPN) (1991)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Heptathlon - Heat 3** - 2018 Japanese National Multi-Event Championships (Nagano, JPN) *Matsubayashi (2018) - research on athlete performance and technique*

date	16-Jun-18	time	6.90	12.71	18.74	25.27	25.27	3 / 5	
reaction time		interval	5.81	6.03	6.53	# of strides	12.71	12.56	0.15
wind	2.2 m/s	velocity	7.25	8.61	8.29	7.66	7.91	7.87	7.96

**Heptathlon - Heat 2** - 2018 Tokyo Combined Event Meeting (Tokyo, JPN) *Matsubayashi (2018) - research on athlete performance and technique*

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	-0.34
wind	-2.8 m/s	velocity	7.28	8.53	8.08	7.27	7.75	7.86	7.65

**Kirkland, Jayla (USA) (1999)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

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

date	14-Jul-18	time	6.65	11.93	17.35	23.21	23.21	8 / 4		
reaction time	0.260	interval	5.28	5.42	5.86	DQ	# of strides	11.93	11.28	0.65
wind	-0.1 m/s	velocity	7.52	9.47	9.23	8.53	8.62	8.38	8.87	

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Kishimoto, Wakana (JPN) (1998)</b>											
<b>FINAL</b> - 2016 Japanese National High School Championships (Okayama, JPN) <i>Kota (2016) - 69th high school championships: JAF scientific committee</i>											
date	01-Aug-16	time	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	0.14
wind	1.2 m/s	velocity	7.99	8.20	8.47	7.91	8.14		8.09	8.18	
<b>Kitamura, Chisato (JPN) (1990)</b>											
<b>FINAL</b> - 2008 Japanese National High School Championships (Kumagaya, JPN) <i>Abe (2008) - 61st high school championships: JAF scientific committee</i>											
date	01-Aug-08	time	6.92	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	0.27
wind	-2.4 m/s	velocity	7.23	8.68	8.31	7.82	7.97		7.89	8.06	
<b>Kitano, Yuki (JPN)</b>											
<b>FINAL</b> - 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	1 / 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	
<b>Kitazawa, Saya (JPN) (1996)</b>											
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN) <i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>											
date	01-Aug-12	time	6.77	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	
<b>Klaver, Lieke (NED) (1998)</b>											
<b>FINAL</b> - 2023 FBK Games (Hengelo, NED) <i>Omega Timing (2023) - continental tour race analysis</i>											
date	04-Jun-23	time	6.45	11.60	16.90	22.51	22.51	5 / 2			
reaction time	0.197	interval		5.15	5.30	5.61	<b>PB</b>	# 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	
<b>Knight, Bianca (USA) (1989)</b>											
<b>FINAL</b> - 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		22.60	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	
<b>FINAL</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
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	<b>5.6 m/s</b>	velocity	8.03	9.80	9.52	8.82	8.99		8.83	9.16	
<b>Semi-Final 1</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.32	11.48	16.72	22.53	22.53	5 / 1			
reaction time		interval		5.16	5.24	5.81		# of strides	11.48	11.05	0.43
wind	-0.1 m/s	velocity	7.91	9.69	9.54	8.61	8.88		8.71	9.05	
<b>Quarter-Final 4</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	6.26	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	
<b>Heat 2</b> - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.35	11.50	16.85	22.74	22.74	5 / 1			
reaction time		interval		5.15	5.35	5.89		# of strides	11.50	11.24	0.26
wind	0.0 m/s	velocity	7.87	9.71	9.35	8.49	8.80		8.70	8.90	
<b>FINAL</b> - 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	<b>PB</b>	# 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	
<b>FINAL</b> - 2005 USATF National Junior Championships (Carson, CA) <i>USATF Women's Sprint Development (2005)</i>											
date	24-Jun-05	time		11.95	17.54	23.65	23.65	2 / 7			
reaction time		interval			5.59	6.11		# of strides	11.95	11.70	0.25
wind	0.6 m/s	velocity		8.37	8.94	8.18	8.46		8.37	8.55	

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



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Knight, Natalie (USA) (1986)</b>											
<b>Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	6.54	12.06	17.52	23.57	23.57	4 / 5			
reaction time		interval		5.52	5.46	6.05		# of strides	12.06	11.51	0.55
wind	-1.3 m/s	velocity	7.65	9.06	9.16	8.26	8.49		8.29	8.69	
<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	04-Jul-08	time	6.59	11.91	17.38	23.38	23.38	5 / 3			
reaction time		interval		5.32	5.47	6.00		# of strides	11.91	11.47	0.44
wind	0.5 m/s	velocity	7.59	9.40	9.14	8.33	8.55	93.0	8.40	8.72	
<b>FINAL - 2005 USATF National Junior Championships (Carson, CA)</b>		<i>USATF Women's Sprint Development (2005)</i>									
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	
<b>Knoll, Silke (GER) (1967)</b>											
<b>FINAL - 1995 IAAF World Championships (Göteborg, SWE)</b>		<i>Veney - 200m women from PJ</i>									
date	10-Aug-95	time		11.57	16.86	22.66	22.66	2 / <del>5</del>			
reaction time		interval			5.29	5.80		# of strides	11.57	11.09	0.48
wind	-2.2 m/s	velocity		8.64	9.45	8.62	8.83	103.5	8.64	9.02	
<b>FINAL - 1992 (Ingolstadt, GER)</b>		<i>Graubner (2008) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	19-Jul-92	time		11.51		22.29	22.29	/ 1			
reaction time		interval				10.78	<b>PB</b>	# of strides	11.51	10.78	0.73
wind	0.7 m/s	velocity		8.69		9.28	8.97		8.69	9.28	
<b>Knott, Kristina (PHI) (1995)</b>											
<b>FINAL - 2018 Asian Games (Jakarta, INA)</b>		<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	29-Aug-18	time	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	
<b>Kobari, Akiha (JPN) (2006)</b>											
<b>FINAL - 2022 Japanese National High School Championships (Naruto, JPN)</b>		<i>shima (2022) - national high school championships biomechanics data collection</i>									
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	<b>PB</b>	# 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	
<b>Koch, Marita (GDR) (1957)</b>											
<b>FINAL - 1985 World Cup (Canberra, AUS)</b>		<i>Veney - 200m women from PJ</i>									
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	
<b>FINAL - 1984 Olympischen Tag (Potsdam, GDR)</b>		<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	<b>WR</b>	# of strides	11.06	10.65	0.41
wind	0.3 m/s	velocity		9.04		9.39	9.21		9.04	9.39	
<b>FINAL - 1983 IAAF World Championships (Helsinki, FIN)</b>		<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	<b>CR</b>	# 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	
<b>FINAL - 1979 East German Club Cup (Karl-Marx-Stadt, GDR)</b>		<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>									
date	27-May-79	time		11.24		21.85	21.85	/ 1			
reaction time		interval				10.61		# of strides	11.24	10.61	0.63
wind	2.6 m/s	velocity		8.90		9.43	9.15		8.90	9.43	
<b>Kodama, Mei (JPN) (1999)</b>											
<b>FINAL - 2021 Japanese National Championships (Osaka, JPN)</b>		<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>									
date	27-Jun-21	time	6.51	11.87	17.43	23.46	23.46	6 / 1			
reaction time	0.183	interval		5.36	5.56	6.03		# of strides	11.87	11.59	0.28
wind	-1.0 m/s	velocity	7.68	9.33	8.99	8.29	8.53	100.0	8.42	8.63	

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

**FINAL - 2020 Japanese National Championships (Niigata, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	03-Oct-20	time	6.52	11.85	17.45	23.44	23.44	5 / 2			
reaction time	0.152	interval		5.33	5.60	5.99	<b>PB</b>	# of strides	11.85	11.59	0.26
wind	-0.1 m/s	velocity	7.67	9.38	8.93	8.35	8.53	98.5	8.44	8.63	

**FINAL - 2019 Japanese National Championships (Fukuoka, JPN)***Yamanaka (2019) - research on athlete performance and technique- 2019 data book*

date	30-Jun-19	time	6.55	11.93	17.60	23.80	23.80	7 / 1			
reaction time	0.158	interval		5.38	5.67	6.20	<b>PB</b>	# of strides	11.93	11.87	0.06
wind	-0.4 m/s	velocity	7.63	9.29	8.82	8.06	8.40	101.0	8.38	8.42	

**FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.82	12.52	18.42	24.79	24.79	2 / 7			
reaction time	0.171	interval		5.70	5.90	6.37		# of strides	12.52	12.27	0.25
wind	1.5 m/s	velocity	7.33	8.77	8.47	7.85	8.07		7.99	8.15	

**FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)***Kota (2017) - 70th high school championships: JAF scientific committee*

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	0.20
wind	-0.2 m/s	velocity	7.97	8.26	8.62	7.91	8.18		8.12	8.25	

**Koike, Hina (JPN)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN)** *Takashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	23-Oct-21	time	6.87	12.52	18.53	24.50	18.53	3 / 4			
reaction time		interval		5.65	6.01			# of strides	12.52		50-150m 11.66
wind	1.1 m/s	velocity	7.28	8.85	8.32	10.79	78.0		7.99		8.58

**Kojima, Yuzuki (JPN) (2004)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2022 Japanese National High School Championships (Naruto, JPN)** *Nishima (2022) - national high school championships biomechanics data collection*

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	<b>PB</b>	# 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	

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

date	06-Aug-11	time	6.84	13.30	17.98	24.34	24.34	1 / 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	

**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)** *Nishima (2022) - national high school championships biomechanics data collection*

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	

**FINAL - 2021 Japanese High School National Championships (Fukui, JPN)***Shibayama (2021) - national high school and U20 national championships*

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	0.51
wind	2.2 m/s	velocity	7.92	8.26	8.76	8.14	8.26		8.09	8.44	

**Kondratyeva, Lyudmila (URS) (1958)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1979 World Cup (Montreal, CAN)** *Tabatshnik (1986) - sprinting - versatility or specialization?*

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	

**Koné, Maboundou (CIV) (1997)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)** *Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time		11.51		22.73	22.73	5 / 6			
reaction time	0.188	interval				11.22	<b>DQ</b>	# of strides	11.51	11.22	0.29
wind	-0.1 m/s	velocity		8.69		8.91	8.80	99.2	8.69	8.91	

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

date	23-Aug-23	time		11.60		22.55	22.55	9 / 2			
reaction time	0.182	interval				10.95		# of strides	11.60	10.95	0.65
wind	-0.3 m/s	velocity		8.62		9.13	8.87	98.0	8.62	9.13	

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

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	

**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	

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

date	18-Jul-22	time		11.74		23.32	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	

**Kong Lingwei (CHN) (1995)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2021 Chinese National Championships (Chongqing, CHN)***CAA Hurdle Development (2021)*

date	27-Jun-21	time		12.55	18.47	25.15	25.15	3 / 5			
reaction time	0.221	interval			5.92	6.68		# of strides	12.55	12.60	-0.05
wind	-0.2 m/s	velocity		7.97	8.45	7.49	7.95	99.7	7.97	7.94	

**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	

**FINAL - 2020 Chinese Olympic Trials (Shaoxing, CHN)***CAA Hurdle Development (2021)*

date	13-Jun-21	time		11.89		23.58	23.58	3 / 2			
reaction time	0.211	interval				11.69		# of strides	11.89	11.69	0.20
wind	0.2 m/s	velocity		8.41		8.55	8.48	102.0	8.41	8.55	

**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	0.10
wind	-0.2 m/s	velocity		8.49	9.11	8.08	8.53	102.0	8.49	8.56	

**FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)***Jiang (2019) - data analysis women's sprint finals the world championships trials*

date	03-Aug-19	time	6.57	11.83	17.54	23.85	23.85	4 / 5			
reaction time		interval		5.26	5.71	6.31		# of strides	11.83	12.02	-0.19
wind	0.2 m/s	velocity	7.61	9.51	8.76	7.92	8.39		8.45	8.32	

**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	

**Kora, Salomé (SUI) (1994)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)***Swiss Athletics (2016) - sprint and hurdle analysis*

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	0.6 m/s	velocity		8.42	8.77	7.89	8.36		8.42	8.31	

**FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)***Swiss Athletics (2016) - sprint and hurdle analysis*

date	07-May-16	time	6.56	11.75	17.29		17.29	1 / 3			
reaction time		interval		5.19	5.54		<b>PB</b>	# of strides	11.75		10.73
wind	1.0 m/s	velocity	7.62	9.63	9.03		8.68		8.51		9.32

**Kortetmaa, Annlina (FIN) (1995)**

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

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	

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

date	18-Jul-22	time		11.78		23.51	23.51	7 / 7			
reaction time	0.140	interval				11.73		# of strides	11.78	11.73	0.05

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 8.49 8.53 8.51 100.0 8.49 8.53

<b>Kotwila, Martyna (POL) (1999)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2018 IAAF World Junior Championships (Tampere, FIN)		<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>									
date	14-Jul-18	time	6.57	11.93	17.36	23.21	23.21	4 / 3			
reaction time	0.181	interval		5.36	5.43	5.85	<b>=PB</b>	# of strides	11.93	11.28	0.65
wind	-0.1 m/s	velocity	7.61	9.33	9.21	8.55	8.62		8.38	8.87	

<b>Kozáry, Ágnes (HUN) (1966)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)		<i>Federle (2003) - http://www.fgs.uni-halle.de</i>									
date	30-Jun-91	time		12.15		24.21	24.21	/ 7			
reaction time		interval				12.06		# of strides	12.15	12.06	0.09
wind	-3.4 m/s	velocity		8.23		8.29	8.26		8.23	8.29	

<b>Krabbe, Katrin (GER) (1969)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1991 IAAF World Championships (Tokyo, JPN)		<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>									
date	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	

<b>FINAL</b> - 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	

<b>Krabbe, Katrin (GDR) (1969)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 1</b> - 1988 Olympic Games (Seoul, KOR)		<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>									
date	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	

<b>FINAL</b> - 1986 IAAF World Junior Championships (Athens, GRE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
		<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>									
date	19-Jul-86	time		11.56	17.27	23.31	23.31	/ 3			
reaction time		interval			5.71	6.04		# of strides	11.56	11.75	-0.19
wind	0.6 m/s	velocity		8.65	8.76	8.28	8.58		8.65	8.51	

<b>Kramer, Hannah (GER) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>B FINAL</b> - 2010 German National Junior Championships (Ulm, GER)		<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>									
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	

<b>Krizsán, Xénia (HUN) (1993)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heptathlon - Heat 1</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>									
date	19-Aug-23	time		12.71		25.16	25.16	4 / 3			
reaction time	0.175	interval				12.45		# of strides	12.71	12.45	0.26
wind	-0.1 m/s	velocity		7.87		8.03	7.95	94.0	7.87	8.03	

<b>Heptathlon - Heat 1</b> - 2022 World Athletics Championships (Eugene, OR)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	17-Jul-22	time		12.53		24.82	24.82	6 / 6			
reaction time	0.143	interval				12.29		# of strides	12.53	12.29	0.24
wind	1.5 m/s	velocity		7.98		8.14	8.06	93.2	7.98	8.14	

<b>Kroniger, Annegret (FRG) (1952)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 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	

<b>Kuboyama, Haruna (JPN) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2020 All Japan Corporate Championships (Kumagaya, JPN)		<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>									
date	20-Sep-20	time	6.69	12.27	18.13	24.44	24.44	8 / 4			
reaction time	0.179	interval		5.58	5.86	6.31		# of strides	12.27	12.17	0.10
wind	0.6 m/s	velocity	7.47	8.96	8.53	7.92	8.18		8.15	8.22	

<b>Kurahasi, Miho (JPN) (2004)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)		<i>Shibayama (2021) - national high school and U20 national championships</i>								

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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	

**FINAL** - 2021 Japanese U20 National Championships (Osaka, JPN) *Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	27-Jun-21	time	6.73	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	

#### Kurashige, Miu (JPN) (2004)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN) <i>Shima (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	

**FINAL** - 2021 Japanese High School National Championships (Fukui, JPN) *Shibayama (2021) - national high school and U20 national championships*

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	

**FINAL** - 2021 Japanese U20 National Championships (Osaka, JPN) *Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	27-Jun-21	time	6.61	12.16	18.04	24.43	24.43	6 / 2			
reaction time	0.170	interval		5.55	5.88	6.39	<b>PB</b>	# of strides	12.16	12.27	-0.11
wind	-0.4 m/s	velocity	7.56	9.01	8.50	7.82	8.19	103.2	8.22	8.15	

#### Lacambra, Blanca (ESP) (1965)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP) <i>Pascua (1990) - atletismo (I) carreras y marcha</i>											
date	08-Sep-89	time		12.26	18.20	24.44	24.44	/ 9			
reaction time		interval			5.94	6.24		# of strides	12.26	12.18	0.08
wind	0.2 m/s	velocity		8.16	8.42	8.01	8.18		8.16	8.21	

#### Lagger, Sarah (AUT) (1999)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Heptathlon - Heat 1</b> - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>											
date	19-Aug-23	time		13.04	25.86	25.86		3 / 6			
reaction time	0.220	interval			12.82			# of strides	13.04	12.82	0.22
wind	-0.1 m/s	velocity		7.67	7.80	7.73		96.7	7.67	7.80	

#### Lahlali, Salma (MAR) (2003)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	6.83	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	

#### Lalova-Collio, Iveta (BUL) (1984)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 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	

**Semi-Final 1** - 2017 IAAF World Championships (London, GBR) *Pollitt (2018) - biomechanical report for IAAF World Champs 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	

**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	

**FINAL** - 2016 Olympic Games (Rio de Janeiro, BRA) *Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020*

date	17-Aug-16	time		11.3		22.69	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	

**FINAL** - 2015 IAAF World Championships (Beijing, CHN) *Butler (2019) - IAAF world championships - Doha 2019: statistics handbook*

date	28-Aug-15	time		11.4		22.4	22.41	3 / 7			
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

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	92.2	8.77	9.09	

**Lalova, Ivet (BUL) (1984)**

<b>FINAL - 2004 Olympic Games (Athens, GRE)</b>				<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>					
date	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	

**Lannaman, Sonia (GBR) (1956)**

<b>FINAL - 1980 Olympic Games (Moscow, URS)</b>				<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	

**Latvala, Hanna-Maari (FIN) (1987)**

<b>A FINAL - 2015 Windsprint (Sundsvall, SWE)</b>				<i>(2015) - www.windsprint/Splittider/</i>					
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	

**Layne, Lynne (USA) (1988)**

<b>Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>				<i>USATF Women's Sprint Development with HPC (2008)</i>							
date	05-Jul-08	time	6.67	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	
<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b>				<i>USATF Women's Sprint Development with HPC (2008)</i>							
date	04-Jul-08	time	6.37	11.66	17.30	23.47	23.47	3 / 5			
reaction time		interval		5.29	5.64	6.17		# of strides	11.66	11.81	-0.15
wind	0.5 m/s	velocity	7.85	9.45	8.87	8.10	8.52		99.5	8.58	8.47

**Lazraq, Auriana (FRA) (1999)**

<b>Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b>				<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	<b>PB</b>		# 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	

**Lee, Muna (USA) (1981)**

<b>A FINAL - 2013 Windsprint (Sundsvall, SWE)</b>				<i>(2013) - www.ssg.se/windsprint/Splittider/</i>						
date	28-Jul-13	time	11.96	17.41	23.20	23.20	3 / 2			
reaction time		interval		5.45	5.79		# of strides	11.96	11.24	0.72
wind	1.6 m/s	velocity	8.36	9.17	8.64	8.62		8.36	8.90	

<b>FINAL - 2009 IAAF World Championships (Berlin, GER)</b>				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	21-Aug-09	time	6.29	11.25	16.61	22.48	22.48	3 / 4			
reaction time	0.174	interval		4.96	5.36	5.87		# of strides	11.25	11.23	0.02
wind	-0.1 m/s	velocity	7.95	10.08	9.33	8.52	8.90		8.89	8.90	

<b>Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)</b>				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	20-Aug-09	time	6.26	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	

<b>Heat 2 - 2009 IAAF World Championships (Berlin, GER)</b>				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	19-Aug-09	time	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	

<b>FINAL - 2008 Olympic Games (Beijing, CHN)</b>				<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>							
date	21-Aug-08	time	11.10		22.01	22.01	9 / 4				
reaction time	0.176	interval			10.91	<b>PB</b>	# 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	

<b>FINAL - 2008 USA Olympic Trials (Eugene, OR)</b>				<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	
<b>Semi-Final 2</b> - 2008 USA Olympic Trials (Eugene, OR)								USATF Women's Sprint Development with HPC (2008)			
date	05-Jul-08	time	6.34	11.40	16.60	22.33	22.33	8 / 2			
reaction time		interval		5.06	5.20	5.73		# of strides	11.40	10.93	0.47
wind	0.0 m/s	velocity	7.89	9.88	9.62	8.73	8.96		8.77	9.15	

<b>Quarter-Final 1</b> - 2008 USA Olympic Trials (Eugene, OR)								USATF Women's Sprint Development with HPC (2008)			
date	05-Jul-08	time	6.52	11.52	16.97	22.84	22.84	5 / 3			
reaction time		interval		5.00	5.45	5.87		# of strides	11.52	11.32	0.20
wind	1.6 m/s	velocity	7.67	10.00	9.17	8.52	8.76		8.68	8.83	

<b>Heat 1</b> - 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	

<b>FINAL</b> - 2005 USATF National Championships (Carson, CA)								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	

<b>FINAL</b> - 2004 Olympic Games (Athens, GRE)								Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016			
date	25-Aug-04	time	11.6			22.9	22.87	7 / 7			
reaction time		interval				11.3		# of strides	11.60	11.30	0.30
wind	0.8 m/s	velocity	8.62			8.85	8.75		8.62	8.85	

<b>FINAL</b> - 2004 USA Olympic Trials (Sacramento, CA)								USATF Women's Sprint Development (2004)			
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	<b>PB</b>	# of strides	11.50	10.86	0.64
wind	-1.2 m/s	velocity	7.86	9.73	9.52	8.91	8.94	93.0	8.70	9.21	

<b>Semi-Final 2</b> - 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	

<b>Heat 3</b> - 2004 USA Olympic Trials (Sacramento, CA)								USATF Women's Sprint Development (2004)			
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	

<b>Lehlali, Salma (MAR) (2003)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)								Omega Timing (2023) - diamond league race analysis			
date	28-May-23	time	6.90	12.58	18.41	24.70	24.70	5 / 2			
reaction time	0.198	interval		5.68	5.83	6.29		# of strides	12.58	12.12	0.46
wind	1.4 m/s	velocity	7.25	8.80	8.58	7.95	8.10		7.95	8.25	

<b>Léger, Catherine (CAN) (2000)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 6</b> - 2022 World Athletics Championships (Eugene, OR)								Timing by Seiko (2022) - world athletics championships race analysis			
date	18-Jul-22	time	11.76		23.35	23.35	7 / 5				
reaction time	0.133	interval			11.59		# of strides	11.76	11.59	0.17	
wind	1.9 m/s	velocity	8.50		8.63	8.57	102.2	8.50	8.63		

<b>Leshchova, Yekaterina (RUS) (1974)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)								Ritzdorf (1997) - biomechanical research project at Vllth world championships athletics			
date	08-Aug-97	time	6.21	11.31	16.71	22.35	22.50	7 / 4			
reaction time	0.149	interval		5.10	5.40	5.64		# of strides	11.31	11.04	0.27
wind	-0.7 m/s	velocity	8.05	9.80	9.26	8.87	8.89	94.2	8.84	9.06	

<b>Levorato, Manuela (ITA) (1977)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2002 European Championships (Munich, GER)								Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>			
date	09-Aug-02	time	6.39	11.55	16.92	22.75	22.75	5 / 3			
reaction time	0.145	interval		5.16	5.37	5.83		# of strides	11.55	11.20	0.35
wind	-0.3 m/s	velocity	7.82	9.69	9.31	8.58	8.79		8.66	8.93	

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

**Semi-Final 1 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	6.42	11.68	17.07	22.93	22.93	/ 2			
reaction time	0.139	interval		5.26	5.39	5.86		# of strides	11.68	11.25	0.43
wind	1.0 m/s	velocity	7.79	9.51	9.28	8.53	8.72		8.56	8.89	

**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	/ 2			
reaction time	0.164	interval		5.20	5.50	5.95		# of strides	11.65	11.45	0.20
wind	0.0 m/s	velocity	7.75	9.62	9.09	8.40	8.66		8.58	8.73	

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

date	24-Jun-01	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	

**Lewis, Mechelle (USA) (1980)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**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	-0.03
wind	-1.3 m/s	velocity	7.97	9.11	9.16	7.90	8.49		8.50	8.48	

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

USATF Women's Sprint Development with HPC (2008)

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	

**Li He (CHN) (2001)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 4 - 2021 Chinese National Championships (Chongqing, CHN)**

CAA Hurdle Development (2021)

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	0.22
wind	0.5 m/s	velocity	8.08	8.31	8.67	8.04	8.26	106.0	8.19	8.34	

**Li Yuting (CHN) (2002)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)**

CAA Hurdle Development (2021)

date	12-Jun-21	time		11.81	17.29	23.63	23.63	8 / 3			
reaction time	0.175	interval			5.48	6.34	<b>PB</b>	# of strides	11.81	11.82	-0.01
wind	-0.2 m/s	velocity		8.47	9.12	7.89	8.46	93.0	8.47	8.46	

**Liang Xiaojing (CHN) (1997)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2021 Chinese National Championships (Chongqing, CHN)**

CAA Hurdle Development (2021)

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	

**Heat 4 - 2021 Chinese National Championships (Chongqing, CHN)**

CAA Hurdle Development (2021)

date	27-Jun-21	time	6.08	11.96	17.48	23.27	23.27	5 / 1			
reaction time	0.174	interval		5.88	5.52	5.79		# of strides	11.96	11.31	0.65
wind	0.5 m/s	velocity	8.22	8.50	9.06	8.64	8.59	104.0	8.36	8.84	

**Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)**

CAA Hurdle Development (2021)

date	12-Jun-21	time		11.63	17.16	23.40	23.40	5 / 1			
reaction time	0.156	interval			5.53	6.24		# of strides	11.63	11.77	-0.14
wind	-0.2 m/s	velocity		8.60	9.04	8.01	8.55	107.0	8.60	8.50	

**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	6.43	11.66	17.12	22.93	22.93	8 / 1			
reaction time		interval		5.23	5.46	5.81	<b>PB</b>	# 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	

**Liao Mengxue (CHN) (1995)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2021 Chinese National Championships (Chongqing, CHN)**

CAA Hurdle Development (2021)

date	27-Jun-21	time		12.30	18.17	24.55	24.55	2 / 4			
reaction time	0.211	interval			5.87	6.38		# of strides	12.30	12.25	0.05
wind	-0.2 m/s	velocity		8.13	8.52	7.84	8.15	99.0	8.13	8.16	

**Heat 1 - 2021 Chinese National Championships (Chongqing, CHN)**

CAA Hurdle Development (2021)

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



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	

**Ligarska, Paulina (POL) (1996)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

date	19-Aug-23	time		12.81		25.41	25.41	7 / 8			
reaction time	0.215	interval				12.60		# of strides	12.81	12.60	0.21
wind	-0.1 m/s	velocity		7.81		7.94	7.87	91.0	7.81	7.94	

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

date	17-Jul-22	time		12.50		24.65	24.65	5 / 4			
reaction time	0.159	interval				12.15	<b>PB</b>	# of strides	12.50	12.15	0.35
wind	1.5 m/s	velocity		8.00		8.23	8.11	88.0	8.00	8.23	

**Lilja, Lisa (SWE) (1996)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2022 Bauhaus Galan (Stockholm, SWE)**      *Omega Timing (2022) - diamond league race analysis*

date	30-Jun-22	time	6.55	11.94	17.61	23.78	23.78	1 / 8			
reaction time	0.142	interval		5.39	5.67	6.17		# of strides	11.94	11.84	0.10
wind	0.1 m/s	velocity	7.63	9.28	8.82	8.10	8.41	100.0	8.38	8.45	

**FINAL - 2021 Bauhaus Galan (Stockholm, SWE)**      *Omega Timing (2021) - diamond league race analysis*

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	<b>PB</b>	# 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	

**Liu Yinglan (CHN) (2005)**      **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	6.26	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	

**Lloyd, Joella (ANT) (2002)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)**      *Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time		11.86		23.38	23.38	1 / 8			
reaction time	0.190	interval				11.52		# of strides	11.86	11.52	0.34
wind	-0.1 m/s	velocity		8.43		8.68	8.55	100.5	8.43	8.68	

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

date	18-Jul-22	time		11.76		22.99	22.99	5 / 4			
reaction time	0.196	interval				11.23		# of strides	11.76	11.23	0.53
wind	-0.2 m/s	velocity		8.50		8.90	8.70	98.5	8.50	8.90	

**Lowery, Santana (USA) (1987)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**      *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.52	11.87	17.58	23.84	23.84	4 / 6			
reaction time		interval		5.35	5.71	6.26		# of strides	11.87	11.97	-0.10
wind	1.6 m/s	velocity	7.67	9.35	8.76	7.99	8.39		8.42	8.35	

**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	<b>PB</b>	# 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	

**Lucas, Porscha (USA) (1988)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**      *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.59	11.99	17.50	23.44	23.44	1 / 8			
reaction time		interval		5.40	5.51	5.94		# of strides	11.99	11.45	0.54
wind	-0.1 m/s	velocity	7.59	9.26	9.07	8.42	8.53		8.34	8.73	

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

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	

**Heat 5 - 2008 USA Olympic Trials (Eugene, OR)**      *USATF Women's Sprint Development with HPC (2008)*

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

date	04-Jul-08	time	6.54	11.72	17.28	23.20	23.20	3 / 3			
reaction time		interval		5.18	5.56	5.92		# of strides	11.72	11.48	0.24
wind	2.0 m/s	velocity	7.65	9.65	8.99	8.45	8.62		8.53	8.71	

**FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)**

USATF Women's Sprint Development (2006)

date	23-Jun-06	time	6.64	11.70	17.20	23.22	23.22	6 / 4			
reaction time		interval		5.06	5.50	6.02	<b>PB</b>	# of strides	11.70	11.52	0.18
wind	0.9 m/s	velocity	7.53	9.88	9.09	8.31	8.61		8.55	8.68	

**Lutschak, Saskia (GER) (1995)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****B FINAL - 2010 German National Youth Championships (Ulm, GER)**Graubner (2010) - <http://www.fgs.uni-halle.de>

date	08-Aug-10	time		13.05	18.98	25.44	25.44	1 / 3			
reaction time		interval			5.93	6.46		# of strides	13.05	12.39	0.66
wind	0.7 m/s	velocity		7.66	8.43	7.74	7.86		7.66	8.07	

**Lysakova, Olga (UKR) (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	6.66	12.11	17.86	24.14	24.14	1 / 7			
reaction time		interval		5.45	5.75	6.28		# of strides	12.11	12.03	0.08
wind	-0.2 m/s	velocity	7.51	9.17	8.70	7.96	8.29		8.26	8.31	

**Mächtigt, Julia (GER) (1986)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)**

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

date	15-Aug-09	time	6.78	12.31	18.13	24.39	24.39	2 / 4			
reaction time	0.181	interval		5.53	5.82	6.26		# of strides	12.31	12.08	0.23
wind	-0.2 m/s	velocity	7.37	9.04	8.59	7.99	8.20		8.12	8.28	

**Madison, Tianna (USA) (1985)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2012 USA Olympic Trials (Eugene, OR)**

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

date	30-Jun-12	time		11.3		22.50	22.50	5 / 6			
reaction time	0.207	interval				11.20		# of strides	11.30	11.20	0.10
wind	1.0 m/s	velocity		8.85		8.93	8.89		8.85	8.93	

**Maduaka, Joice (GBR) (1973)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)**

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

date	15-May-11	time	6.60	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	

**FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

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	0.36
wind	0.5 m/s	velocity	7.74	9.26	8.96	8.45	8.56		8.43	8.70	

**Maeyama, Miyu (JPN) (1996)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)**

Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018

date	24-Jun-18	time	6.59	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	

**A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)**

Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018

date	03-May-18	time	6.54	11.95	17.62	23.80	23.80	7 / 2			
reaction time	0.187	interval		5.41	5.67	6.18	<b>=PB</b>	# of strides	11.95	11.85	0.10
wind	1.1 m/s	velocity	7.65	9.24	8.82	8.09	8.40	96.2	8.37	8.44	

**FINAL - 2017 Japanese National Championships (Osaka, JPN)**

Takahashi (2017) - 200m running performance analysis in the 2017 season

date	25-Jun-17	time	6.48	11.92	17.60	23.89	23.89	2 / 4			
reaction time	0.181	interval		5.44	5.68	6.29		# of strides	11.92	11.97	-0.05
wind	-0.2 m/s	velocity	7.72	9.19	8.80	7.95	8.37		8.39	8.35	

**FINAL - 2016 Japanese National Championships (Nagoya, JPN)**

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

date	26-Jun-16	time	6.53	12.00	17.80	24.26	24.26	1 / 7			
reaction time		interval		5.47	5.80	6.46		# of strides	12.00	12.26	-0.26
wind	1.8 m/s	velocity	7.66	9.14	8.62	7.74	8.24		8.33	8.16	

**Mahan, Shayla (USA) (1989)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential**

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

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

date	15-Sep-12	time	6.27	11.39	16.99	16.99	4 / 2			
reaction time	interval		5.12	5.60		<b>PB</b>	# of strides	11.39		10.72
wind	1.0 m/s	velocity	7.97	9.77	8.93	8.83		8.78		9.33

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

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	

**Makrazi, Imane (MAR) (2002)** *50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential*

**National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)** *Omega Timing (2023) - diamond league race analysis*

date	28-May-23	time	7.80			dnf	3 / --			
reaction time	0.206	interval					# of strides			
wind	1.4 m/s	velocity	6.41							

**Malchugina, Galina (RUS) (1962)** *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	11.56	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	

**FINAL - 1995 IAAF World Championships (Göteborg, SWE)** *Veney - 200m women from PJ*

date	10-Aug-95	time	11.35	16.57	22.37	22.37	3 / 4-3			
reaction time	interval		5.22	5.80			# of strides	11.35	11.02	0.33
wind	-2.2 m/s	velocity	8.81	9.58	8.62	8.94	97.7	8.81	9.07	

**FINAL - 1993 IAAF World Championships (Stuttgart, GER)** *Veney - 200m women from PJ*

date	19-Aug-93	time	6.33	11.33	16.65	22.50	22.53	7 / 4			
reaction time	0.249	interval		5.00	5.32	5.85		# of strides	11.33	11.17	0.16
wind	0.0 m/s	velocity	7.90	10.00	9.40	8.55	8.88	99.2	8.83	8.95	

**Malchugina, Galina (EUN) (1962)** *50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential*

**FINAL - 1992 Olympic Games (Barcelona, ESP)** *Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	06-Aug-92	time	11.5			22.6	22.63	1 / 8			
reaction time	interval					11.10		# of strides	11.50	11.10	0.40
wind	-0.6 m/s	velocity	8.70			9.01	8.84	101.5	8.70	9.01	

**Malchugina, Galina (URS) (1962)** *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	11.50			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	

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

date	08-Sep-89	time	11.44	17.06	23.12	23.12	1 / 5			
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	

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

date	29-Sep-88	time	6.41	11.54	16.77	22.42	22.42	7 / 8			
reaction time	0.208	interval		5.13	5.23	5.65	<b>PB</b>	# 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	

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

date	29-Sep-88	time	6.37	11.41	16.74	22.55	22.53	7 / 4			
reaction time	0.200	interval		5.04	5.33	5.81		# of strides	11.41	11.14	0.27
wind	1.8 m/s	velocity	7.85	9.92	9.38	8.61	8.88		8.76	8.98	

**Mani, Myriam (CMR) (1977)** *50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential*

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

date	10-Aug-01	time	11.3			23.15	23.15	6 / 6			
reaction time	0.140	interval				11.85		# of strides	11.30	11.85	-0.55
wind	-0.8 m/s	velocity	8.85			8.44	8.64		8.85	8.44	

**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	1 / 2			
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	interval		5.16	5.34	<b>PB</b>	# 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	

**FINAL - 1987 IAAF World Championships (Helsinki, FIN)**

Veney - 200m women from PJ

date	03-Sep-87	time	6.37	11.57	16.75	22.18	22.18	1 / 4	
reaction time	0.195	interval		5.20	5.18	5.43		# of strides	11.57 10.61 0.96
wind	1.2 m/s	velocity	7.85	9.62	9.65	9.21	9.02	90.5	8.64 9.43

**FINAL - 1985 World Cup (Canberra, AUS)**

Veney - 200m women from PJ

date	04-Oct-85	time	12.0			23.15	23.15	7 / 5	
reaction time		interval				11.15		# of strides	12.00 11.15 0.85
wind	-0.7 m/s	velocity	8.33			8.97	8.64		8.33 8.97

**Martin, Eva (ESP) (1985)**

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	12.28	18.12	24.46	24.46	1 / 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

**Martins, Lorraine (BRA) (2000)**

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	11.86			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

**FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)**

Koyama (2018) - research on athlete performance and technique- 2018 data book

date	14-Jul-18	time	6.65	12.16	17.80	23.91	23.91	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

**Mashova, Ekaterina (BUL) (1974)**

50m

100m

150m

200m

Official Time

Lane / Place

0-100m

100-200m

Differential

**Semi-Final 1 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	6.53	11.87	17.49	23.48	23.48	1 / 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

**Masilingi, Beatrice (NAM) (2003)**

50m

100m

150m

200m

Official Time

Lane / Place

0-100m

100-200m

Differential

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

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

date	19-Jul-22	time	11.47			24.78	24.78	5 / 8	
reaction time	0.158	interval				13.31		# of strides	11.47 13.31 -1.84
wind	1.4 m/s	velocity	8.72			7.51	8.07	94.0	8.72 7.51

**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

**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

**FINAL - 2021 Bauhaus Galan (Stockholm, SWE)**

Omega Timing (2021) - diamond league race analysis

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	<b>NR PB</b>	# 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

**Mathes, Larissa (GER) (1992)**

50m

100m

150m

200m

Official Time

Lane / Place

0-100m

100-200m

Differential

**B FINAL - 2010 German National Junior Championships (Ulm, GER)**Graubner (2010) - <http://www.fgs.uni-halle.de>

date	07-Aug-10	time	12.47	18.41	24.95	24.95	1 / 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

**Matsunaga, Tomoko (JPN) (2002)**

50m

100m

150m

200m

Official Time

Lane / Place

0-100m

100-200m

Differential

**FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)**

Koyama (2019) - 72nd high school champs: JAF scientific committee - biomechanics data

date	07-Aug-19	time	6.67	12.23	17.94	24.11	24.11	8 / 6	
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DV=Drug Violation

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

**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

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	0.17
wind	1.5 m/s	velocity	7.31	8.85	8.43	7.82	8.06	8.01	8.12

**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)***USATF Women's Sprint Development (2006)*

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	<b>PB</b>	# 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

**Mayo, Treshell (USA) (1974)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)***USATF Women's Sprint Development (1996)*

date	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

**Mayr-Krifka, Karin (AUT) (1971)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2002 European Championships (Munich, GER)***Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	09-Aug-02	time	6.39	11.56	17.04	23.06	23.06	2 / 6	
reaction time	0.147	interval	5.17	5.48	6.02	# of strides	11.56	11.50	0.06
wind	-0.3 m/s	velocity	7.82	9.67	9.12	8.31	8.67	8.65	8.70

**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	1 / 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

**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 / 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

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

date	16-Jun-13	time	6.67	12.29	17.85	25.04	25.04	3 / 5	
reaction time	0.241	interval	5.62	5.56	7.19	# of strides	12.29	12.75	-0.46
wind	-0.3 m/s	velocity	7.50	8.90	8.99	6.95	7.99	8.14	7.84

**Mboma, Christine (NAM) (2003)****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	6.3	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

**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

**FINAL - 2020 Olympic Games (Tokyo, JPN)***Vazel (2021) - <https://twitter.com/pjvazel/status/1422593785813377036?s=21>*

date	03-Aug-21	time	11.40	16.50	21.81	21.81	5 / 2		
reaction time	0.169	interval	5.10	5.31	<b>AR WJR</b>	# 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

**FINAL - 2021 Josef Odložil Memorial (Prague, CZE)***Vazel (2021) - <https://twitter.com/pjvazel/status/1401965630484529154?s=21>*

date	07-Jun-21	time	6.8	12.0	17.3	22.67	22.67	5 / 1		
reaction time	0.166	interval	5.20	5.30	5.37	<b>NR PB</b>	# 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

**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)***Jalava (2010) - [www.tilastopaja.org](http://www.tilastopaja.org)*

date	16-May-10	time	11.96	17.60	23.75	23.75	1 / 4
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

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

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

date	17-May-09	time	6.53	11.67	17.28	17.28	/ 4	<b>50-150m</b>
reaction time	interval	5.14	5.61	<b>PB</b>	# of strides	11.67	10.75	
wind	0.1 m/s velocity	7.66	9.73	8.91	8.68	8.57	9.30	

**Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)**Jalava (2009) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	17-May-09	time	11.90	17.46	17.46	4 / 2
reaction time	interval	5.56	5.56	# of strides	11.90	
wind	-0.8 m/s velocity	8.40	8.99	8.59	8.40	

**McCorory, Francena (USA) (1988)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2005 USATF National Junior Championships (Carson, CA)**

USATF Women's Sprint Development (2005)

date	24-Jun-05	time	11.76	17.32	23.22	23.22	8 / 3	
reaction time	interval	5.56	5.90	<b>PB</b>	# of strides	11.76	11.46	0.30
wind	0.6 m/s velocity	8.50	8.99	8.47	8.61	8.50	8.73	

**McDonald, Beverly (JAM) (1970)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2000 Olympic Games (Sydney, AUS)**

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

date	28-Sep-00	time	11.4	22.4	22.35	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

**FINAL - 1999 IAAF World Championships (Sevilla, ESP)**

Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999

date	17-Aug-99	time	6.31	11.28	16.57	22.22	22.22	8 / 2	
reaction time	0.135 interval	4.97	5.29	5.65	<b>PB</b>	# of strides	11.28	10.94	0.34
wind	0.6 m/s velocity	7.92	10.06	9.45	8.85	9.00	8.87	9.14	

**McDonald, Natassha (CAN) (1997)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2022 Commonwealth Games (Birmingham, GBR)**

Longines Timing (2022) - commonwealth games race analysis

date	06-Aug-22	time	6.5	11.7	17.1	23.21	23.21	9 / 7	
reaction time	0.158 interval	5.20	5.40	6.11	# of strides	11.70	11.51	0.19	
wind	0.6 m/s velocity	7.69	9.62	9.26	8.18	8.62	85.5	8.55	8.69

**McGrone, Candyce (USA) (1989)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2015 IAAF World Championships (Beijing, CHN)**

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	<b>PB</b>	# of strides	11.00	11.00	0.00	
wind	0.2 m/s velocity	9.09	9.09	9.09	9.09	96.5	9.09	9.09

**FINAL - 2008 USATF National Junior Championships (Columbus, OH)**

USATF Women's Sprint Development with HPC (2008)

date	22-Jun-08	time	11.96	17.57	23.84	23.84	6 / 4
reaction time	interval	5.61	6.27	# of strides	11.96	11.88	0.08
wind	-2.4 m/s velocity	8.36	8.91	7.97	8.39	8.36	8.42

**McLaughlin, Anneisha (JAM) (1986)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2009 IAAF World Championships (Berlin, GER)**

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

date	21-Aug-09	time	6.37	11.43	16.76	22.62	22.62	8 / 5
reaction time	0.178 interval	5.06	5.33	5.86	# of strides	11.43	11.19	0.24
wind	-0.1 m/s velocity	7.85	9.88	9.38	8.53	8.84	8.75	8.94

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

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

date	20-Aug-09	time	6.38	11.39	16.69	22.55	22.55	6 / 2	
reaction time	0.156 interval	5.01	5.30	5.86	<b>PB</b>	# 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	

**Heat 5 - 2009 IAAF World Championships (Berlin, GER)**

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

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	<b>PB</b>	# of strides	11.52	11.39	0.13
wind	0.1 m/s velocity	7.78	9.82	9.28	8.33	8.73	8.68	8.78	

**FINAL - 2008 Windsprint (Sundsvall, SWE)**(2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

date	06-Jul-08	time	11.90	17.52	23.67	23.67	5 / 1
reaction time	interval	5.62	6.15	# of strides	11.90	11.77	0.13

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

wind 1.3 m/s velocity 8.40 8.90 8.13 8.45 8.40 8.50

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>McNair, Bianca (USA) (1984)</b>											
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA)		<i>USATF Women's Sprint Development (2003)</i>									
date	21-Jun-03	time	6.99	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	
<b>Melnychenko, Hanna (UKR) (1983)</b>											
<b>Heptathlon - Heat 1</b> - 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	11.96	17.79	24.11	24.11	2 / 4			
reaction time	0.140	interval	5.43	5.83	6.32	<b>PB</b>		# 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	
<b>Merry, Katharine (GBR) (1974)</b>											
<b>FINAL</b> - 2001 European Cup (Bremen, GER)		<i>Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	24-Jun-01	time	6.50	11.74	17.24	23.21	23.21	/ 6			
reaction time	0.186	interval	5.24	5.50	5.97			# of strides	11.74	11.47	0.27
wind	0.3 m/s	velocity	7.69	9.54	9.09	8.38	8.62		8.52	8.72	
<b>Meyer, Lea Madlen (GER) (1993)</b>											
<b>FINAL</b> - 2010 German National Youth Championships (Ulm, GER)		<i>Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></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	
<b>Miki, Shiori (JPN) (1991)</b>											
<b>FINAL</b> - 2011 Japanese National Championships (Kumagaya, JPN)		<i>Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters</i>									
date	12-Jun-11	time	6.80	12.43	18.33	24.65	24.65	/ 7			
reaction time		interval		5.63	5.90	6.32		# of strides	12.43	12.22	0.21
wind	-0.7 m/s	velocity	7.35	8.88	8.47	7.91	8.11		8.05	8.18	
<b>Miller, Inger (USA) (1972)</b>											
<b>FINAL</b> - 2004 USA Olympic Trials (Sacramento, CA)		<i>USATF Women's Sprint Development (2004)</i>									
date	18-Jul-04	time	6.32	11.48	16.76	22.70	22.70	8 / <del>7</del> 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	
<b>Semi-Final 3</b> - 2004 USA Olympic Trials (Sacramento, CA)		<i>USATF Women's Sprint Development (2004)</i>									
date	17-Jul-04	time	6.30	11.53	16.93	23.00	23.00	6 / 3			
reaction time		interval		5.23	5.40	6.07		# of strides	11.53	11.47	0.06
wind	-1.1 m/s	velocity	7.94	9.56	9.26	8.24	8.70		8.67	8.72	
<b>Heat 4</b> - 2004 USA Olympic Trials (Sacramento, CA)		<i>USATF Women's Sprint Development (2004)</i>									
date	16-Jul-04	time	6.25	11.43	16.78	22.74	22.74	7 / 1			
reaction time		interval		5.18	5.35	5.96		# of strides	11.43	11.31	0.12
wind	-0.6 m/s	velocity	8.00	9.65	9.35	8.39	8.80		8.75	8.84	
<b>FINAL</b> - 2003 USATF National Championships (Palo Alto, CA)		<i>USATF Women's Sprint Development (2003)</i>									
date	22-Jun-03	time	6.46	11.60	16.95	22.77	22.77	3 / <del>5</del> 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	
<b>FINAL</b> - 2000 USA Olympic Trials (Sacramento, CA)		<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				10.79		# of strides	11.30	10.79	0.51
wind	0.5 m/s	velocity		8.85		9.27	9.05		8.85	9.27	
<b>FINAL</b> - 1999 IAAF World Championships (Sevilla, ESP)		<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>									
date	27-Aug-99	time	6.16	11.10	16.23	21.77	21.77	3 / 1			
reaction time	0.124	interval		4.94	5.13	5.54	<b>PB</b>	# 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	
<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)		<i>Ritzdorf (1997) - biomechanical research project at Vllth world championships athletics</i>									
date	08-Aug-97	time	6.08	11.12	16.48	22.38	22.52	6 / 5			
reaction time	0.142	interval		5.04	5.36	5.90		# of strides	11.12	11.26	-0.14

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

wind	-0.7 m/s	velocity	8.22	9.92	9.33	8.47	8.88	97.2	8.99	8.88
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b>										
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
wind	0.3 m/s	velocity	8.80	9.49	8.65	8.92			8.80	9.05

Veney - 200m women from PJ

<b>FINAL - 1996 USA Olympic Trials (Atlanta, GA)</b>										
date	23-Jun-96	time	11.28	16.52	22.25	22.25		8 / 3		
reaction time		interval		5.24	5.73	<b>=PB</b>		# of strides	11.28	10.97
wind	-0.6 m/s	velocity	8.87	9.54	8.73	8.99			8.87	9.12

USATF Women's Sprint Development (1996)

<b>Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)</b>										
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
wind	0.5 m/s	velocity	8.68	9.42	8.90	8.91			8.68	9.15

USATF Women's Sprint Development (1996)

<b>Miller, Polina (RUS) (2000)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)</b>											
date	14-Jul-18	time	6.60	11.83	17.35	23.32	23.32	6 / <del>5</del> 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	

Koyama (2018) - research on athlete performance and technique- 2018 data book

<b>Miller, Scottesha (USA) (1988)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 1 - 2008 USA Olympic Trials (Eugene, OR)</b>											
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	

USATF Women's Sprint Development with HPC (2008)

<b>Miller-Uibo, Shaunae (BAH) (1994)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)</b>											
date	06-Aug-22	time	6.34	11.43	16.69	22.35	22.35	9 / 2			
reaction time	0.156	interval		5.09	5.26	5.66		# of strides	11.43	10.92	0.51
wind	0.2 m/s	velocity	7.89	9.82	9.51	8.83	8.95	89.0	8.75	9.16	

Omega Timing (2022) - diamond league race analysis

<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b>											
date	09-Jun-22	time	6.40	11.53	16.81	22.48	22.48	7 / 4			
reaction time	0.142	interval		5.13	5.28	5.67		# of strides	11.53	10.95	0.58
wind	1.3 m/s	velocity	7.81	9.75	9.47	8.82	8.90	89.7	8.67	9.13	

Omega Timing (2022) - diamond league race analysis

<b>FINAL - 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>											
date	09-Jul-21	time	6.3	11.4	16.7	22.23	22.23	7 / 1			
reaction time	0.132	interval		5.10	5.30	5.53		# of strides	11.40	10.83	0.57
wind	0.7 m/s	velocity	7.94	9.80	9.43	9.04	9.00	90.0	8.77	9.23	

Omega Timing (2021) - diamond league race analysis

<b>FINAL - 2019 Weltklasse (Zürich, SUI)</b>											
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	<b>NR</b>	# 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	

Omega Timing (2019) - diamond league race analysis

<b>FINAL - 2019 Müller Grand Prix (Birmingham, GBR)</b>											
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	

Omega Timing (2019) - diamond league race analysis

<b>FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>											
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	

Omega Timing (2019) - diamond league race analysis

<b>FINAL - 2017 Weltklasse (Zürich, SUI)</b>											
date	24-Aug-17	time	11.38			21.88	21.88	7 / 1			
reaction time	0.129	interval				10.50	<b>NR</b>	# 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	

(2017.08.25) - [https://twitter.com/touchdown\\_time/media?lang=en&lang=en&lang=en&lang=en](https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en)**FINAL - 2017 IAAF World Championships (London, GBR)** Takahashi (2017) - 200m running performance analysis in the 2017 season

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



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	

**Semi-Final 2 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	10-Aug-17	time	6.39	11.47	16.74	22.49	22.49	7 / 1			
reaction time	0.147	interval		5.08	5.27	5.75		# of strides	11.47	11.02	0.45
wind	-0.2 m/s	velocity	7.82	9.84	9.49	8.70	8.89	89.5	8.72	9.07	

**Heat 4 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

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	

**Mimura, Kanami (JPN) (2001)****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	6.81	12.39	18.20	24.56	24.56	9 / 8			
reaction time	0.211	interval		5.58	5.81	6.36		# of strides	12.39	12.17	0.22
wind	-0.4 m/s	velocity	7.34	8.96	8.61	7.86	8.14		8.07	8.22	

**FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

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	

**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	<b>PB</b>	# of strides	12.07	11.95	0.12
wind	0.8 m/s	velocity	8.05	8.53	8.70	8.06	8.33		8.29	8.37	

**Mimura, Naomi (JPN)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)***Yama (2019) - research on athlete performance and technique- 2019 data book*

date	20-Oct-19	time	6.80	12.28	17.93	23.98	23.98	3 / 1			
reaction time	0.245	interval		5.48	5.65	6.05		# of strides	12.28	11.70	0.58
wind	-0.8 m/s	velocity	7.35	9.12	8.85	8.26	8.34	101.0	8.14	8.55	

**Mitchell, A'Keyla (USA) (1995)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2019 The Match - Europe v USA (Minsk, BLR)***European Athletics (2019) - race analysis*

date	10-Sep-19	time		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	

**Miura, Yuna (JPN) (2002)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	25-Oct-20	time	6.79	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	

**FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)***Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data*

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	<b>PB</b>	# 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	

**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.80	12.35	18.22	24.58	24.58	4 / 4			
reaction time	0.172	interval		5.55	5.87	6.36		# of strides	12.35	12.23	0.12
wind	1.5 m/s	velocity	7.35	9.01	8.52	7.86	8.14		8.10	8.18	

**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)***Kota (2018) - 71st high school championships: JAF scientific committee*

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	

**FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)***Kota (2017) - 70th high school championships: JAF scientific committee*

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	-0.08

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 8.01 8.26 8.61 7.62 8.11 8.14 8.08

<b>Miyake, Marina (JPN) (1997)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN) <i>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	0.03
wind	-3.4 m/s	velocity	7.97	8.13	8.40	7.76	8.06		8.05	8.07	

<b>Miyake, Naoka (JPN) (1991)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2019 Japanese National Championships (Fukuoka, JPN) <i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>											
date	30-Jun-19	time	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	

<b>FINAL</b> - 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	

<b>A FINAL</b> - 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	

<b>Heat 3</b> - 2019 Asian Athletics Championships (Doha, QAT) <i>Takahashi (2019) - race analysis top 200m athletes- domestic and international</i>											
date	23-Apr-19	time	6.68	12.14	17.98	24.36	24.36	9 / 6			
reaction time	0.170	interval		5.46	5.84	6.38		# of strides	12.14	12.22	-0.08
wind	2.3 m/s	velocity	7.49	9.16	8.56	7.84	8.21		8.24	8.18	

<b>FINAL</b> - 2018 Japanese Corporate Championships (Osaka, JPN) <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>											
date	22-Sep-18	time	6.61	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	0.15
wind	0.2 m/s	velocity	7.56	8.99	8.62	8.04	8.27		8.22	8.32	

<b>FINAL</b> - 2015 Mikio Oda Memorial (Hiroshima, JPN) <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	18-Apr-15	time	6.88	12.63	18.55	24.92	24.92	2 / 8			
reaction time		interval		5.75	5.92	6.37		# of strides	12.63	12.29	0.34
wind	1.7 m/s	velocity	7.27	8.70	8.45	7.85	8.03	103.7	7.92	8.14	

<b>Miyatake, Abidarari (JPN) (2002)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Ready Steady Tokyo (Tokyo, JPN) <i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>											
date	09-May-21	time	6.71	12.26	18.04	24.23	24.23	8 / 3			
reaction time	0.176	interval		5.55	5.78	6.19	<b>PB</b>	# 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	

<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN) <i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	25-Oct-20	time	6.90	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	

<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>Yama (2019) - research on athlete performance and technique- 2019 data book</i>											
date	20-Oct-19	time	6.88	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	0.09
wind	-1.3 m/s	velocity	7.27	8.76	8.21	7.80	7.97	103.0	7.94	8.00	

<b>Miyazaki, Amika (JPN) (1998)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN) <i>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	

<b>Möller, Silke (GDR) (1964)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP) <i>Pascua (1990) - atletismo (I) carreras y marcha</i>											
date	08-Sep-89	time		11.28	16.70	22.46	22.46	1 / 1			
reaction time	0.203	interval			5.42	5.76		# of strides	11.28	11.18	0.10
wind	0.2 m/s	velocity		8.87	9.23	8.68	8.90		8.87	8.94	

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

<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b>				<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	

<b>Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)</b>				<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	

**Gladisch-Möller, Silke (GDR) (1964)**

<b>FINAL - 1987 IAAF World Championships (Rome, ITA)</b>				<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	<b>CR / PB</b>	# 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	

<b>Semi-Final 1 - 1987 IAAF World Championships (Rome, ITA)</b>				<i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>							
date	03-Sep-87	time	6.37	11.40	16.73	22.54	22.54	6 / 2			
reaction time	0.263	interval		5.03	5.33	5.81		# of strides	11.40	11.14	0.26
wind	-1.0 m/s	velocity	7.85	9.94	9.38	8.61	8.87	99.0	8.77	8.98	

<b>Heat 1 - 1987 IAAF World Championships (Rome, ITA)</b>				<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	

<b>FINAL - 1986 European Championships (Stuttgart, FRG)</b>				<i>Veney - 200m women from PJ</i>							
date	29-Jun-86	time		11.26		22.49	22.64	6 / 3			
reaction time	0.233	interval				11.23		# of strides	11.26	11.23	0.03
wind	-0.8 m/s	velocity		8.88		8.90	8.83		8.88	8.90	

**Molokova, Marina (URS) (1962)**

<b>FINAL - 1986 European Championships (Stuttgart, FRG)</b>				<i>Veney - 200m women from PJ</i>							
date	29-Jun-86	time		11.45		22.71	22.71	8 / 4			
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	

**Mondie-Milner, Celena (USA) (1968)**

<b>FINAL - 1996 USA Olympic Trials (Atlanta, GA)</b>				<i>USATF Women's Sprint Development (1996)</i>							
date	23-Jun-96	time		11.62	16.93	22.55	22.55	7 / 6			
reaction time		interval			5.31	5.62		# of strides	11.62	10.93	0.69
wind	-0.6 m/s	velocity		8.61	9.42	8.90	8.87		8.61	9.15	

<b>Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)</b>				<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	

<b>FINAL - 1995 USATF National Championships (Sacramento, CA)</b>				<i>USATF Women's Sprint Development (1995)</i>							
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	<b>2.3 m/s</b>	velocity	7.92	9.43	9.35	8.62	8.79		8.61	8.97	

**Montler, Estelle (SWE) (1991)**

<b>B FINAL - 2015 Windsprint (Sundsvall, SWE)</b>				<i>(2015) - www.windsprint/Splittider/</i>							
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	

**Moore, Ashanti (JAM) (2000)**

<b>Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b>				<i>Seiko Timing (2023) - world championship race analysis</i>							
date	23-Aug-23	time		11.75		23.12	23.12	8 / 5			
reaction time	0.149	interval				11.37		# of strides	11.75	11.37	0.38
wind	-0.7 m/s	velocity		8.51		8.80	8.65	91.0	8.51	8.80	

**Moore, Connie (USA) (1981)**

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

**FINAL - 2006 USATF National Championships (Indianapolis, IN)**

USATF Women's Sprint Development (2006)

date	25-Jun-06	time	6.52	11.66	17.13	23.44	23.44	7 / 7			
reaction time		interval		5.14	5.47	6.31		# of strides	11.66	11.78	-0.12
wind	0.3 m/s	velocity	7.67	9.73	9.14	7.92	8.53		8.58	8.49	

**FINAL - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

date	18-Jul-04	time	6.43	11.52	16.77	22.65	22.65	7 / 5 4			
reaction time		interval		5.09	5.25	5.88	<b>PB</b>	# of strides	11.52	11.13	0.39
wind	-1.2 m/s	velocity	7.78	9.82	9.52	8.50	8.83	102.2	8.68	8.98	

**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	

**Heat 1 - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

date	16-Jul-04	time	6.37	11.56	16.92	22.91	22.91	6 / 1			
reaction time		interval		5.19	5.36	5.99		# of strides	11.56	11.35	0.21
wind	-0.6 m/s	velocity	7.85	9.63	9.33	8.35	8.73		8.65	8.81	

**Moore, LaShaunte'a (USA) (1983)**

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	6.60	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	0.15
wind	1.0 m/s	velocity	7.58	9.31	8.83	8.12	8.41		8.35	8.46	

**FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)**

Jalava (2012) - www.tilastopaja.org

date	20-May-12	time		11.44	17.05		17.05	3 / 1			
reaction time		interval			5.61		<b>PB</b>	# of strides	11.44		
wind	-0.4 m/s	velocity		8.74	8.91		8.80		8.74		

**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	

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

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.49	11.53	16.95	22.72	22.72	8 / 2			
reaction time		interval		5.04	5.42	5.77		# of strides	11.53	11.19	0.34
wind	1.6 m/s	velocity	7.70	9.92	9.23	8.67	8.80		8.67	8.94	

**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	

**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	

**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	

**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	

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

USATF Women's Sprint Development (2005)

date	26-Jun-05	time	6.38	11.54	17.22	23.18	23.18	8 / 9			
reaction time		interval		5.16	5.68	5.96		# of strides	11.54	11.64	-0.10
wind	0.3 m/s	velocity	7.84	9.69	8.80	8.39	8.63	100.0	8.67	8.59	

**FINAL - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

date	18-Jul-04	time	6.44	11.65	16.92	22.64	22.64	5 / 4-3			
reaction time		interval		5.21	5.27	5.72		# of strides	11.65	10.99	0.66
wind	-1.2 m/s	velocity	7.76	9.60	9.49	8.74	8.83		95.5	8.58	9.10

**Semi-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

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	<b>PB</b>	# of strides	11.65	10.98	0.67
wind	-1.1 m/s	velocity	7.73	9.65	9.43	8.80	8.84		8.58	9.11	

**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	

**Morehead, Brenda (USA) (1957)**

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

**FINAL - 1976 USA Olympic Trials (Eugene, OR)**

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

date	24-Jun-76	time		11.4		22.50	22.49	1 / 1			
reaction time		interval				11.10		# of strides	11.40	11.10	0.30
wind	2.3 m/s	velocity		8.77		9.01	8.89		8.77	9.01	

**Morgan, Lynette (SWE) (1991)**

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		12.65		24.55	24.55	5 / 1			
reaction time		interval				11.90	<b>PB</b>	# of strides	12.65	11.90	0.75
wind	1.6 m/s	velocity		7.91		8.40	8.15		7.91	8.40	

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

date	20-Oct-19	time	6.88	12.69	18.71	25.30	25.30	1 / 8			
reaction time	0.159	interval		5.81	6.02	6.59		# of strides	12.69	12.61	0.08
wind	-0.8 m/s	velocity	7.27	8.61	8.31	7.59	7.91		102.0	7.88	7.93

**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

**A FINAL - 2013 Windsprint (Sundsvall, SWE)**

(2013) - www.ssg.se/windsprint/Splittider/

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	

**Mothersill, Cydonie (CAY) (1978)**

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	11.54	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	

**Heat 5 - 2009 IAAF World Championships (Berlin, GER)**

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

date	19-Aug-09	time	6.42	11.50	16.86	22.69	22.69	7 / 1			
reaction time	0.193	interval		5.08	5.36	5.83		# of strides	11.50	11.19	0.31
wind	0.1 m/s	velocity	7.79	9.84	9.33	8.58	8.81		8.70	8.94	

**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		11.50		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

**FINAL - 2007 IAAF World Championships (Osaka, JPN)**

Butler (2013) - IAAF world championships statistics handbook- moscow 2013

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

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)**

Butler (2013) - IAAF world championships statistics handbook- moscow 2013

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

date	10-Aug-01	time	11.3	22.88	22.88	1 / <del>5</del> 3			
reaction time	0.164	interval		11.58		# 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	

**Mrnová, Markéta (CZE) (1991)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)** *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	7.09	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

**Müller, Laura (GER) (1995)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**B FINAL - 2010 German National Youth Championships (Ulm, GER)** *Graubner (2010) - http://www.fgs.uni-halle.de*

date	08-Aug-10	time		12.93	19.01	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

**Müller, Romy (GDR) (1958)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 1980 Olympic Games (Moscow, URS)** *Veney - 200m women from PJ*

date	30-Jul-80	time	11.59	16.90	22.47	22.47	22.47	8 / 4		
reaction time	0.128	interval		5.31	5.57	<b>PB</b>		# of strides	11.59	10.88
wind	1.4 m/s	velocity		8.63	9.42	8.98	8.90		8.63	9.19

**Murakami, Hikaru (JPN) (2002)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)** *Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	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

**Muraki, Mirei (JPN) (2001)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)** *Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.87	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

**Myrick, Wylleshea (USA) (1979)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.54	11.81	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

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

date	04-Jul-08	time	6.67	12.08	17.57	23.66	23.66	8 / 4		
reaction time		interval		5.41	5.49	6.09		# of strides	12.08	11.58
wind	1.2 m/s	velocity	7.50	9.24	9.11	8.21	8.45		8.28	8.64

**Semi-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)** *USATF Women's Sprint Development (2004)*

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

**Heat 3 - 2004 USA Olympic Trials (Sacramento, CA)** *USATF Women's Sprint Development (2004)*

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	<b>PB</b>	# of strides	11.63	11.31
wind	-0.1 m/s	velocity	7.85	9.51	9.35	8.39	8.72		8.60	8.84

**Næss, Heidi Hesson (NOR) (1989)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**B FINAL - 2015 Windsprint (Sundsvall, SWE)** *(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time		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

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

date	20-Jul-14	time		13.14		25.42	25.42	5 / 1		
reaction time		interval				12.28		# of strides	13.14	12.28
wind	1.3 m/s	velocity		7.61		8.14	7.87		7.61	8.14

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Nafea, Amal (MAR) (2002)</b>											
<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)		<i>Omega Timing (2022) - diamond league race analysis</i>									
date	05-Jun-22	time	7.08	12.98	19.22	26.13	26.13	8 / 2			
reaction time	0.183	interval		5.90	6.24	6.91		# of strides	12.98	13.15	-0.17
wind	1.1 m/s	velocity	7.06	8.47	8.01	7.24	7.65		7.70	7.60	
<b>Nagano, Mariko (JPN) (1994)</b>											
<b>FINAL</b> - 2018 Japanese Corporate Championships (Osaka, JPN)		<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	22-Sep-18	time	6.56	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	-0.24
wind	0.2 m/s	velocity	7.62	9.07	8.52	7.76	8.20		8.29	8.12	
<b>FINAL</b> - 2016 Japanese National Championships (Nagoya, JPN)		<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>									
date	26-Jun-16	time	6.57	12.00	17.71	23.96	23.96	/ 5			
reaction time		interval		5.43	5.71	6.25	<b>PB</b>	# 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	
<b>C FINAL</b> - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)		<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>									
date	03-May-16	time	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	
<b>Nagura, Chiaki (JPN) (1993)</b>											
<b>FINAL</b> - 2018 Japanese Corporate Championships (Osaka, JPN)		<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	22-Sep-18	time	6.64	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	-0.04
wind	0.2 m/s	velocity	7.53	9.04	8.52	7.89	8.20		8.22	8.19	
<b>Nakamura, Mitsugi (JPN) (1996)</b>											
<b>FINAL</b> - 2015 Japanese National Championships (Niigata, JPN)		<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>									
date	27-Jun-15	time	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	
<b>Nakamura, Mizuki (JPN) (1996)</b>											
<b>B FINAL</b> - 2018 Shizuoka International Meeting (Fukuroi, JPN)		<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>									
date	03-May-18	time	6.78	12.36	18.23	24.62	24.62	7 / 4			
reaction time	0.184	interval		5.58	5.87	6.39		# of strides	12.36	12.26	0.10
wind	0.7 m/s	velocity	7.37	8.96	8.52	7.82	8.12	99.2	8.09	8.16	
<b>Heat 3</b> - 2018 Shizuoka International Meeting (Fukuroi, JPN)		<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>									
date	03-May-18	time	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	
<b>FINAL</b> - 2017 Japanese National Championships (Osaka, JPN)		<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>									
date	25-Jun-17	time	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	
<b>Nakano, Makoto (JPN) (1997)</b>											
<b>FINAL</b> - 2015 Japanese National Championships (Niigata, JPN)		<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>									
date	27-Jun-15	time	6.65	12.20	17.98	24.38	24.38	2 / 6			
reaction time	0.164	interval		5.55	5.78	6.40		# of strides	12.20	12.18	0.02
wind	0.1 m/s	velocity	7.52	9.01	8.65	7.81	8.20	112.0	8.20	8.21	
<b>Nana Djimou Ida, Antoinette (FRA) (1981)</b>											
<b>Heptathlon - Heat 4</b> - 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	-0.33
wind	-0.3 m/s	velocity	7.45	9.03	8.38	7.56	8.05		8.16	7.95	
<b>Neal, Tangela (USA) (1979)</b>											
<b>B FINAL</b> - 2008 Windsprint (Sundsvall, SWE)		<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>									
date	06-Jul-08	time		12.25	18.12	24.51	24.51	4 / 3			
reaction time		interval			5.87	6.39		# of strides	12.25	12.26	-0.01

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

wind 1.2 m/s velocity 8.16 8.52 7.82 8.16 8.16 8.16

<b>Neita, Daryll (GBR) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
date	17-Sep-23	time	6.29	11.32	16.59	22.35	22.35	4 / 5			
reaction time	0.148	interval		5.03	5.27	5.76		# of strides	11.32	11.03	0.29
wind	0.3 m/s	velocity	7.95	9.94	9.49	8.68	8.95	92.0	8.83	9.07	
<b>FINAL - 2023 Memorial van Damme (Brussels, BEL)</b> <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	
<b>FINAL - 2023 Weltklasse (Zürich, SUI)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
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	
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b> <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	<b>PB</b>		# 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	
<b>Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time		11.41		22.39	22.39	7 / 2			
reaction time	0.161	interval			10.98			# of strides	11.41	10.98	0.43
wind	-0.4 m/s	velocity		8.76		9.11	8.93	91.0	8.76	9.11	
<b>FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
date	21-Jul-23	time	6.44	11.50	16.81	22.54	22.54	1 / 5			
reaction time	0.218	interval		5.06	5.31	5.73		# of strides	11.50	11.04	0.46
wind	0.2 m/s	velocity	7.76	9.88	9.42	8.73	8.87		8.70	9.06	
<b>FINAL - 2023 Bauhaus Galan (Stockholm, SWE)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
date	02-Jul-23	time	6.32	11.37	16.65	22.50	22.50	7 / 1			
reaction time	0.175	interval		5.05	5.28	5.85		# of strides	11.37	11.13	0.24
wind	-0.6 m/s	velocity	7.91	9.90	9.47	8.55	8.89	93.0	8.80	8.98	
<b>FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)</b> <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	<b>PB</b>	# 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	
<b>Nekhubui, Shirley (RSA) (2000)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 4 - 2022 World Athletics Championships (Eugene, OR)</b> <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		11.84		23.46	23.46	7 / 7			
reaction time	0.186	interval			11.62			# of strides	11.84	11.62	0.22
wind	0.4 m/s	velocity		8.45		8.61	8.53	193.5	8.45	8.61	
<b>Nelson, Ashleigh (GBR) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2021 Athletissima (Lausanne, SUI)</b> <i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	6.5	11.8	17.3	23.14	23.14	7 / 5			
reaction time	0.154	interval		5.30	5.50	5.84		# of strides	11.80	11.34	0.46
wind	2.5 m/s	velocity	7.69	9.43	9.09	8.56	8.64	97.2	8.47	8.82	
<b>FINAL - 2019 The Match - Europe v USA (Minsk, BLR)</b> <i>European Athletics (2019) - race analysis</i>											
date	10-Sep-19	time		11.74		23.22	23.22	6 / 4			
reaction time	0.171	interval			11.48			# of strides	11.74	11.48	0.26
wind	-0.1 m/s	velocity		8.52		8.71	8.61	95.2	8.52	8.71	
<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b> <i>Omega Timing (2019) - diamond league race analysis</i>											
date	05-Jul-19	time	6.5	11.6	17.1	22.85	22.85	2 / 4			
reaction time	0.154	interval		5.1	5.5	5.75	<b>PB</b>	# 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	
<b>FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)</b> <i>Butler (2011) - Gay's last 100 in Manchester street 150</i>											

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



date	15-May-11	time	6.41	11.78	17.64	17.64	4 / 4			
reaction time		interval		5.37	5.86	<b>PB</b>	# of strides	11.78		11.23
wind	1.6 m/s	velocity	7.80	9.31	8.53	8.50		8.49		8.90

<b>Nemes, Rita (HUN) (1989)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heptathlon - Heat 2</b> - 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	0.30
wind	-0.1 m/s	velocity	7.89		8.08	7.99	93.7	7.89	8.08	
<b>Nestoret, Maguy (FRA) (1969)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)						<i>Federle (2003) - http://www.fgs.uni-halle.de</i>				
date	30-Jun-91	time	11.74		23.22	23.22	/ 3			
reaction time		interval			11.48		# of strides	11.74	11.48	0.26
wind	-3.4 m/s	velocity	8.52		8.71	8.61		8.52	8.71	
<b>Neumiarzhyskaya, Alena (BLR) (1980)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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	<b>PB</b>	# 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	
<b>Niederberfer, Julia (SUI) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2022 Athletissima (Lausanne, SUI)						<i>Omega Timing (2022) - diamond league race analysis</i>				
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	
<b>Niisaka, Takako (JPN) (2002)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)						<i>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	-0.08
wind	-1.3 m/s	velocity	7.53	9.09	8.56	7.84	8.21	105.5	8.24	8.18
<b>Nilsson, Evelina (SWE) (1994)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>C FINAL</b> - 2012 Windsprint (Sundsvall, SWE)						<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>				
date	17-Jun-12	time	13.16		26.39	26.39	/ 5			
reaction time		interval			13.23		# of strides	13.16	13.23	-0.07
wind	0.1 m/s	velocity	7.60		3.79	7.58		7.60	7.56	
<b>Nilsson, Pernilla (SWE) (1992)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>A FINAL</b> - 2014 Windsprint (Sundsvall, SWE)						<i>Johansen (2014) - www.ssg.se/windsprint/Spiltider/</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	
<b>Niwa, Arisa (JPN) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN)						<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>				
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	0.70
wind	0.3 m/s	velocity	7.34	8.76	8.98	8.00	8.22	7.99	8.46	
<b>Nkansa, Delphine (BEL) (2001)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2023 Memorial van Damme (Brussels, BEL)						<i>Omega Timing (2023) - diamond league race analysis</i>				
date	08-Sep-23	time	6.44	11.74	17.42	23.43	23.43	2 / 7		
reaction time	0.154	interval		5.30	5.68	6.01	# of strides	11.74	11.69	0.05
wind	0.2 m/s	velocity	7.76	9.43	8.80	8.32	8.54	102.0	8.52	8.55
<b>Njobvu, Rhodah (ZAM) (1994)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 6</b> - 2023 World Athletics Championships (Budapest, HUN)						<i>Seiko Timing (2023) - world championship race analysis</i>				
date	23-Aug-23	time	12.06		23.82	23.82	3 / 7			
reaction time	0.180	interval			11.76		# of strides	12.06	11.76	0.30
wind	-0.3 m/s	velocity	8.29		8.50	8.40	97.0	8.29	8.50	
<b>Nobayashi, Yumi (JPN) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN)						<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>				

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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	<b>PB</b>	# 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	

**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) - the run performance of the 2011 world and japanese top 200m sprinters*

date	12-Jun-11	time	6.66	12.21	18.08	24.39	24.39	/ 6			
reaction time		interval		5.55	5.87	6.31		# of strides	12.21	12.18	0.03
wind	-0.7 m/s	velocity	7.51	9.01	8.52	7.92	8.20		8.19	8.21	

**Nomura, Mayu (JPN)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2012 Japanese National High School Championships (Nagasaki, JPN)** *Yoshino (2012) - 65th high school championships: JAF scientific committee- biomechanics*

date	01-Aug-12	time	6.99	12.90	18.54	24.78	24.78	1 / 9			
reaction time		interval		5.91	5.64	6.24		# of strides	12.90	11.88	1.02
wind	0.3 m/s	velocity	7.15	8.46	8.87	8.01	8.07		7.75	8.42	

**Nouiri, Houda (MAR) (1998)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)** *Omega Timing (2023) - diamond league race analysis*

date	28-May-23	time	7.01	12.77	18.67	25.01	25.01	6 / 3			
reaction time	0.234	interval		5.76	5.90	6.34	<b>PB</b>	# 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	

**Novotná, Lenka (CZE) (1997)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)** *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	7.28	13.18	19.46	26.36	26.36	8 / 6			
reaction time	0.277	interval		5.90	6.28	6.90		# of strides	13.18	13.18	0.00
wind	-1.1 m/s	velocity	6.87	8.47	7.96	7.25	7.59		7.59	7.59	

**Nuneva, Anelia (BUL) (1962)** 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		11.58	16.94	22.68	22.68	5 / 6			
reaction time	0.201	interval			5.36	5.74	<b>PB</b>	# 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	

**Nwokocha, Grace (NGR) (2001)** 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		11.48		22.49	22.49	8 / 5			
reaction time	0.170	interval				11.01		# of strides	11.48	11.01	0.47
wind	1.4 m/s	velocity		8.71		9.08	8.89	95.5	8.71	9.08	

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

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	

**Obregón, Darlenis (COL) (1986)** 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	6.55	11.84	17.06	23.42	23.42	3 / 5			
reaction time	0.177	interval		5.29	5.22	6.36		# of strides	11.84	11.58	0.26
wind	0.3 m/s	velocity	7.63	9.45	9.58	7.86	8.54		8.45	8.64	

**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)** *Kefu (2023) - performance analysis of heptathletes in the 2022 season*

date	04-Jun-22	time	7.08	12.90	19.12	26.06	26.06	9 / 4			
reaction time		interval		5.82	6.22	6.94		# of strides	12.90	13.16	-0.26
wind	0.9 m/s	velocity	7.06	8.59	8.04	7.20	7.67		7.75	7.60	

**Heptathlon - Heat 3 - 2020 Japanese Multi-Event National Championships (Nagano, JPN)** *Nagano (2020) - research athlete performance technique- 2020 databook*

date	26-Sep-20	time	6.95	12.83	19.04	25.88	25.88	3 / 5			
reaction time		interval		5.88	6.21	6.84		# of strides	12.83	13.05	-0.22
wind	1.1 m/s	velocity	7.19	8.50	8.05	7.31	7.73		7.79	7.66	

**O'Connor, Kate (IRL) (2000)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)** *Seiko Timing (2023) - world championship race analysis*

date	19-Aug-23	time		12.57		24.78	24.78	3 / 4			
reaction time	0.129	interval				12.21		# of strides	12.57	12.21	0.36

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DV=Drug Violation

wind -0.1 m/s velocity 7.96 8.19 8.07 98.2 7.96 8.19

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Odiog, Ofonime (BRN) (1997)</b>											
<b>Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	19-Jul-22	time	11.73		23.31	23.31	1 / 7				
reaction time	0.160	interval			11.58		# of strides	11.73	11.58	0.15	
wind	1.4 m/s	velocity	8.53		8.64	8.58	98.0	8.53	8.64		
<b>Heat 1 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time	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		
<b>FINAL - 2018 Asian Games (Jakarta, INA)</b>		<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	29-Aug-18	time	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	
<b>Semi-Final 3 - 2017 IAAF World Championships (London, GBR)</b>		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 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		
<b>Oeser, Jennifer (GER) (1983)</b>											
<b>Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)</b>		<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		
<b>Ofilii, Favour (NGR) (2002)</b>											
<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)</b>		<i>Seiko Timing (2023) - world championship race analysis</i>									
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		
<b>Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b>		<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		
<b>FINAL - 2022 Commonwealth Games (Birmingham, GBR)</b>		<i>Longines Timing (2022) - commonwealth games race analysis</i>									
date	06-Aug-22	time	6.2	11.4	16.7	22.51	22.51	6 / 2			
reaction time	0.161	interval		5.20	5.30	5.81		# of strides	11.40	11.11	0.29
wind	0.6 m/s	velocity	8.06	9.62	9.43	8.61	8.88	94.2	8.77	9.00	
<b>Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	19-Jul-22	time	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		
<b>Heat 6 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time	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		
<b>Ogrăzeanu, Andreea (ROU) (1990)</b>											
<b>Heat 1 - 2009 IAAF World Championships (Berlin, GER)</b>		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	19-Aug-09	time	6.55	11.75	17.31	23.42	23.42	7 / 6			
reaction time	0.247	interval		5.20	5.56	6.11		# of strides	11.75	11.67	0.08
wind	0.3 m/s	velocity	7.63	9.62	8.99	8.18	8.54	8.51	8.57		
<b>Ogunkoya, Falilat (NGR) (1968)</b>											
<b>FINAL - 1998 World Cup (Johannesburg, RSA) (Altitude)</b>		<i>Veney - 200m women from PJ</i>									
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		

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<b>FINAL - 1986 IAAF World Junior Championships (Athens, GRE)</b>								<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>		
date	19-Jul-86	time	11.68	17.25	23.11	23.11	/ 1			
reaction time		interval		5.57	5.86	<b>CR</b>	# of strides	11.68	11.43	0.25
wind	0.6 m/s	velocity	8.56	8.98	8.53	8.65		8.56	8.75	

<b>Ohuruogu, Christine (GBR) (1984)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)</b>								<i>Butler (2011) - Gay's last 100 in Manchester street 150</i>		
date	15-May-11	time	6.84	12.43	18.26	24.48	24.48	3 / 4		
reaction time		interval		5.59	5.83	6.22		# of strides	12.43	12.05
wind	2.6 m/s	velocity	7.31	8.94	8.58	8.04	8.17		8.05	8.30

<b>FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)</b>								<i>Jalava (2010) - www.tilastopaja.org</i>		
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		

<b>FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)</b>								<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>		
date	17-May-09	time	6.41	11.56	17.10	17.10	/ 2			<b>50-150m</b>
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

<b>Heat 2 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)</b>								<i>Jalava (2009) - www.tilastopaja.org</i>		
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		

<b>Oishi, Sayaka (JPN) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2020 Japanese National Championships (Niigata, JPN)</b>								<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>		
date	03-Oct-20	time	6.57	11.88	17.54	23.78	23.78	6 / 3		
reaction time	0.153	interval		5.31	5.66	6.24	<b>PB</b>	# 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

<b>FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)</b>								<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>		
date	20-Sep-20	time	6.68	12.11	17.79	23.85	23.85	4 / 1		
reaction time	0.179	interval		5.43	5.68	6.06	<b>PB</b>	# of strides	12.11	11.74
wind	0.6 m/s	velocity	7.49	9.21	8.80	8.25	8.39		8.26	8.52

<b>Race 2 - 2020 World Athletics Trials (Fuji, JPN)</b>								<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>		
date	06-Sep-20	time	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
wind	-0.7 m/s	velocity	7.62	9.33	8.70	8.01	8.36		8.39	8.34

<b>Okabe, Nao (JPN) (1988)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2011 Japanese National Championships (Kumagaya, JPN)</b>								<i>Kyohei (2012) - the run performance of the 2011 world and 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
wind	-0.7 m/s	velocity	7.66	9.21	8.62	8.05	8.34		8.36	8.33

<b>Okagbare, Blessing (NGR) (1988)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)</b>								<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
wind	0.2 m/s	velocity	7.69	9.80	9.43	8.76	8.85	92.5	8.62	9.08

<b>FINAL - 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>								<i>Omega Timing (2021) - diamond league race analysis</i>		
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
wind	0.7 m/s	velocity	7.81	9.80	9.09	8.36	8.70	93.2	8.70	8.71

<b>FINAL - 2019 Weltklasse (Zürich, SUI)</b>								<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
wind	-0.4 m/s	velocity	7.69	10.00	9.43	8.59	8.84	94.0	8.70	8.99

<b>FINAL - 2019 Müller Grand Prix (Birmingham, GBR)</b>								<i>Omega Timing (2019) - diamond league race analysis</i>		
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

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	

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Oki, Sayaka (JPN) (1995)</b>											
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN)									<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>		
date	01-Aug-12	time	6.99	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	
<b>Okparaebo, Ezinne (NOR) (1988)</b>											
<b>A FINAL</b> - 2014 Windsprint (Sundsvall, SWE)									<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>		
date	20-Jul-14	time		11.69	23.69	23.69	3 / 2				
reaction time		interval			12.00			# of strides	11.69	12.00	-0.31
wind	2.7 m/s	velocity		8.55	8.33	8.44			8.55	8.33	
<b>Okumura, Yuri (JPN) (2000)</b>											
<b>FINAL</b> - 2017 Japanese National High School Championships (Yamagata, JPN)									<i>Kota (2017) - 70th high school championships: JAF scientific committee</i>		
date	01-Aug-17	time	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	0.24
wind	-0.2 m/s	velocity	8.00	8.28	8.70	7.94	8.22		8.14	8.30	
<b>Okuno, Yuko (JPN) (1993)</b>											
<b>FINAL</b> - 2009 Japanese National High School Championships (Nara, JPN)									<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>		
date	01-Aug-09	time	6.83	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	
<b>Olear, Elizabeth (USA) (1988)</b>											
<b>FINAL</b> - 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	
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA)									<i>USATF Women's Sprint Development (2003)</i>		
date	21-Jun-03	time			18.09	24.42	24.42	2 / 7			
reaction time		interval				6.33		# of strides			
wind	-1.5 m/s	velocity			8.29	7.90	8.19				
<b>Onodera, Ayami (JPN) (2003)</b>											
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)									<i>Shibayama (2021) - national high school and U20 national championships</i>		
date	31-Jul-21	time	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	0.51
wind	2.2 m/s	velocity	8.05	8.40	8.90	8.29	8.40		8.22	8.58	
<b>Onuora, Anyika (GBR) (1984)</b>											
<b>FINAL</b> - 2013 Great CityGames (Manchester, GBR) (150m straightaway)									<i>Minshull (2013) - world bests for shakes-drayton and felix in manchester</i>		
date	25-May-13	time		11.20	16.63		16.63	1 / 2			
reaction time		interval			5.43		<b>PB</b>	# of strides	11.20		
wind	0.2 m/s	velocity		8.93	9.21		9.02		8.93		
<b>FINAL</b> - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)									<i>Jalava (2012) - www.tilastopaja.org</i>		
date	15-Sep-12	time	6.36	11.34	16.70		16.70	3 / 1			<b>50-150m</b>
reaction time		interval		4.98	5.36		<b>PB</b>	# of strides	11.34		10.34
wind	1.0 m/s	velocity	7.86	10.04	9.33		8.98		8.82		9.67
<b>B FINAL</b> - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									<i>Jalava (2009) - www.tilastopaja.org</i>		
date	17-May-09	time		11.75	17.68		17.68	1 / 1			
reaction time		interval			5.93			# of strides	11.75		
wind	0.3 m/s	velocity		8.51	8.43		8.48		8.51		
<b>Heat 2</b> - 2009 Great CityGames (Manchester, GBR) (150m straightaway)									<i>Jalava (2009) - www.tilastopaja.org</i>		
date	17-May-09	time		11.98	17.98		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		

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DV=Drug Violation

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Onyali, Mary (NGR) (1968)</b>											
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b>										<i>Veney - 200m women from PJ</i>	
date	01-Aug-96	time	11.37	16.63	22.38	22.38	4 / 3				
reaction time	0.231	interval		5.26	5.75		# of strides	11.37	11.01	0.36	
wind	0.3 m/s	velocity	8.80	9.51	8.70	8.94		8.80	9.08		
<b>FINAL - 1995 IAAF World Championships (Göteborg, SWE)</b>										<i>Veney - 200m women from PJ</i>	
date	25-Aug-95	time	11.39	16.73	22.71	22.71	8 / <del>7</del> 6				
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		
<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b>										<i>Veney - 200m women from PJ</i>	
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	94.0	8.80	9.12		
<b>FINAL - 1989 IAAF World Cup (Canberra, AUS)</b>										<i>Pascua (1990) - atletismo (I) carreras y marcha</i>	
date	08-Sep-89	time	11.56	17.00	22.82	22.82	/ 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		
<b>Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)</b>										<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	<b>PB</b>	# 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	
<b>FINAL - 1987 IAAF World Championships (Rome, ITA)</b>										<i>Veney - 200m women from PJ</i>	
date	03-Sep-87	time	11.67	16.90	22.52	22.52	6 / 6				
reaction time		interval		5.23	5.62	<b>PB</b>	# 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		
<b>FINAL - 1986 IAAF World Junior Championships (Athens, GRE)</b>										<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>	
date	19-Jul-86	time	11.82	17.17	23.30	23.30	/ 2				
reaction time		interval		5.35	6.13		# of strides	11.82	11.48	0.34	
wind	0.6 m/s	velocity	8.46	9.35	8.16	8.58		8.46	8.71		
<b>Oosterwegel, Emma (NED) (1998)</b>											
<b>Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b>										<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	0.36	
wind	-0.1 m/s	velocity	8.02		8.26	8.14	99.0	8.02	8.26		
<b>Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)</b>										<i>Timing by Seiko (2022) - world athletics championships race analysis</i>	
date	17-Jul-22	time	12.58		24.43	24.43	3 / 3				
reaction time	0.198	interval			11.85		# of strides	12.58	11.85	0.73	
wind	1.5 m/s	velocity	7.95		8.44	8.19	96.5	7.95	8.44		
<b>Oshiro, Akari (JPN) (2001)</b>											
<b>FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)</b>										<i>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		
<b>Oshiro, Juri (JPN) (2001)</b>											
<b>FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)</b>										<i>Ryutaro (2018) - research on athlete performance and technique</i>	
date	21-Oct-18	time	6.79	12.45	18.41	24.94	24.94	2 / 8			
reaction time	0.168	interval		5.66	5.96	6.53	# of strides	12.45	12.49	-0.04	
wind	1.5 m/s	velocity	7.36	8.83	8.39	7.66	8.02	8.03	8.01		
<b>Östlund, Elin (SWE) (1991)</b>											
<b>B FINAL - 2012 Windsprint (Sundsvall, SWE)</b>										<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>	
date	17-Jun-12	time	12.55		24.63	24.63	/ 2				
reaction time		interval			12.08		# of strides	12.55	12.08	0.47	
wind	1.9 m/s	velocity	7.97		4.06	8.12		7.97	8.28		
<b>Ottey, Merlene (JAM) (1960)</b>											

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<b>FINAL - 1997 IAAF World Championships (Athens, GRE)</b> <i>Ritzdorf (1997) - biomechanical research project at Vllth world championships 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	
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b> <i>Veney ????</i>											
date	01-Aug-96	time		11.28	16.51	22.24	22.24	5 / 2			
reaction time	0.194	interval			5.23	5.73		# of strides	11.28	10.96	0.32
wind	0.3 m/s	velocity		8.87	9.56	8.73	8.99		8.87	9.12	
<b>FINAL - 1995 IAAF World Championships (Göteborg, SWE)</b> <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	
<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b> <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	
<b>FINAL - 1992 Olympic Games (Barcelona, ESP)</b> <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	
<b>FINAL - 1991 IAAF World Championships (Tokyo, JPN)</b> <i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>											
date	30-Aug-91	time	11.17		22.21	22.21	5 / 3				
reaction time		interval			11.04			# of strides	11.17	11.04	0.13
wind	-2.4 m/s	velocity	8.95		9.06	9.00	93.7		8.95	9.06	
<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b> <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	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	<b>PB</b>	# 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	
<b>Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)</b> <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	
<b>FINAL - 1987 IAAF World Championships (Rome, ITA)</b> <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	03-Sep-87	time	6.24	11.35	16.49	22.06	22.06	4 / 3			
reaction time	0.177	interval		5.11	5.14	5.57	<b>PB</b>	# 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	
<b>Semi-Final 1 - 1987 IAAF World Championships (Rome, ITA)</b> <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	
<b>Heat 4 - 1987 IAAF World Championships (Rome, ITA)</b> <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	
<b>FINAL - 1984 Olympic Games (Los Angeles, CA)</b> <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	<b>PB</b>	# 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	
<b>FINAL - 1983 IAAF World Championships (Helsinki, FIN)</b> <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	
<b>FINAL - 1980 Olympic Games (Moscow, URS)</b> <i>Veney - 200m women from PJ</i>											

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date	30-Jul-80	time	11.51	16.71	22.20	22.20	3 / 3			
reaction time	0.157	interval		5.20	5.49	<b>PB</b>	# 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	

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>O'Rourke, Derval (IRL) (1981)</b>											
<b>FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)</b> <i>Galava (2012) - www.tilastopaja.org</i>											
date	20-May-12	time	12.06	18.25	18.25	1 / 4					
reaction time		interval		6.19	<b>PB</b>	# of strides	12.06				
wind	-0.4 m/s	velocity	8.29	8.08	8.22		8.29				
<b>Owusu-Afriyie, Nana (AUS) (1999)</b>											
<b>FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)</b> <i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>											
date	19-May-19	time	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	
<b>Oyepitan, Abi (GBR) (1979)</b>											
<b>FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)</b> <i>Butler (2011) - Gay's last 100 in Manchester street 150</i>											
date	15-May-11	time	6.50	11.72	17.34	17.34	1 / 1			<b>50-150m</b>	
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	
<b>FINAL - 2004 Olympic Games (Athens, GRE)</b> <i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>											
date	25-Aug-04	time	11.5		22.9	22.87	5 / 7				
reaction time		interval			11.4		# of strides	11.50	11.40	0.10	
wind	0.8 m/s	velocity	8.70		8.77	8.75		8.70	8.77		
<b>Pähler, Stefanie (GER) (1993)</b>											
<b>FINAL - 2010 German National Youth Championships (Ulm, GER)</b> <i>Graubner (2010) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-10	time	12.48	18.15	24.22	24.22	1 / 2				
reaction time		interval		5.67	6.07	<b>PB</b>	# of strides	12.48	11.74	0.74	
wind	-0.2 m/s	velocity	8.01	8.82	8.24	8.26		8.01	8.52		
<b>Palframan, Justine (RSA) (1993)</b>											
<b>Semi-Final 1 - 2017 IAAF World Championships (London, GBR)</b> <i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>											
date	10-Aug-17	time	11.62	17.08	23.05	23.21	2 / 7				
reaction time	0.146	interval		5.46	5.97		# of strides	11.62	11.43	0.19	
wind	-0.2 m/s	velocity	8.61	9.16	8.38	8.62	100.0	8.61	8.75		
<b>Panboon, Fanny (SWE) (1995)</b>											
<b>C FINAL - 2012 Windsprint (Sundsvall, SWE)</b> <i>(2012) - www.elitandslag.se/SprintHack/KortSprint.aspx</i>											
date	17-Jun-12	time	12.76		25.97	25.97	1 / 4				
reaction time		interval			13.21		# of strides	12.76	13.21	-0.45	
wind	0.1 m/s	velocity	7.84		3.85	7.70		7.84	7.57		
<b>Paschke, Melanie (GER) (1970)</b>											
<b>FINAL - 1995 IAAF World Championships (Göteborg, SWE)</b> <i>Veney - 200m women from PJ</i>											
date	25-Aug-95	time	11.43	16.71	22.60	22.60	7 / <del>5</del> 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		
<b>Pelham, Shaunta (USA) (1978)</b>											
<b>Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)</b> <i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	6.42	11.71	17.17	23.26	23.26	4 / <del>4</del> 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	
<b>Heat 2 - 2004 USA Olympic Trials (Sacramento, CA)</b> <i>USATF Women's Sprint Development (2004)</i>											
date	16-Jul-04	time	6.39	11.75	17.32	23.62	23.62	7 / <del>5</del> 4			
reaction time		interval		5.36	5.57	6.30		# of strides	11.75	11.87	-0.12
wind	-0.3 m/s	velocity	7.82	9.33	8.98	7.94	8.47		8.51	8.42	
<b>FINAL - 2003 USATF National Championships (Palo Alto, CA)</b> <i>USATF Women's Sprint Development (2003)</i>											
date	22-Jun-03	time	6.66	11.96	17.40	23.32	23.32	2 / <del>7</del> 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	

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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Pérec, Marie-José (FRA) (1968)</b>										
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b>										Veney ????
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	
<b>Semi-Final 1 - 1996 Olympic Games (Atlanta, GA)</b>										Vazel (2011) - speed reserve in the 400m
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	
<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b>										Veney - 200m women from PJ
date	19-Aug-93	time	6.32	11.36	16.52	22.20	22.20	7 / 4		
reaction time	0.194	interval		5.04	5.16	5.68	# of strides	11.36	10.84	0.52
wind	0.0 m/s	velocity	7.91	9.92	9.69	8.80	85.2	8.80	9.23	
<b>Pereira, Shanti Veronica (SGP) (1996)</b>										
<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)</b>										Seiko Timing (2023) - world championship race analysis
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	
<b>Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b>										Seiko Timing (2023) - world championship race analysis
date	23-Aug-23	time	11.64		22.57	22.57	8 / 2			
reaction time	0.187	interval			10.93	NR PB	# of strides	11.64	10.93	0.71
wind	-0.4 m/s	velocity	8.59		9.15	8.86	97.0	8.59	9.15	
<b>Heat 3 - 2022 World Athletics Championships (Eugene, OR)</b>										Timing by Seiko (2022) - world athletics championships race analysis
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	
<b>Perkins, Angel (USA) (1984)</b>										
<b>FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)</b>										USATF Women's Sprint Development (2003)
date	21-Jun-03	time	12.03	17.68	23.82	23.82	1 / 4			
reaction time		interval		5.65	6.14		# of strides	12.03	11.79	0.24
wind	-1.5 m/s	velocity	8.31	8.85	8.14	8.40		8.31	8.48	
<b>Perry, Nanceen (USA) (1977)</b>										
<b>FINAL - 2000 USA Olympic Trials (Sacramento, CA)</b>										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			10.98	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	
<b>FINAL - 1996 USATF National Junior Championships (Delaware, OH)</b>										USATF Women's Sprint Development (1996)
date	29-Jun-96	time	6.65	11.96	17.50	23.52	23.52	4 / 1		
reaction time		interval		5.31	5.54	6.02	# of strides	11.96	11.56	0.40
wind	-1.3 m/s	velocity	7.52	9.42	9.03	8.31	8.50	8.36	8.65	
<b>Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)</b>										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	
<b>Philipp, Andrea (GER) (1971)</b>										
<b>FINAL - 1999 IAAF World Championships (Sevilla, ESP)</b>										Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999
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	
<b>Semi-Final 1 - 1999 IAAF World Championship (Sevilla, ESP) (TV Analysis)</b>										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	

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<b>FINAL - 1997 European Cup (Munich, GER)</b>										<i>Jung (2003) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>		
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	<b>=PB</b>	# 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		

<b>Pickler, Diana (USA) (1983)</b>												
<b>Heptathlon - Heat 2 - 2009 IAAF World Championships (Berlin, GER)</b>										<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		

<b>Pierre, Barbara (USA) (1987)</b>												
<b>FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b>										<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>		
date	03-May-16	time	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		

<b>Pillay, Geraldine (RSA) (1977)</b>												
<b>FINAL - 2008 Windsprint (Sundsvall, SWE)</b>										<i>(2008) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a></i>		
date	06-Jul-08	time		12.15	17.89	24.12	24.12	4 / 4				
reaction time		interval			5.74	6.23		# of strides	12.15	11.97	0.18	
wind	1.3 m/s	velocity		8.23	8.71	8.03	8.29		8.23	8.35		

<b>Poelman, Jacqueline (NED) (1973)</b>												
<b>FINAL - 2002 European Championships (Munich, GER)</b>										<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>		
date	09-Aug-02	time	6.53	11.83	17.32	23.31	23.31	7 / 7				
reaction time	0.163	interval		5.30	5.49	5.99		# of strides	11.83	11.48	0.35	
wind	-0.3 m/s	velocity	7.66	9.43	9.11	8.35	8.58		8.45	8.71		

<b>Semi-Final 2 - 2002 European Championships (Munich, GER)</b>										<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>		
date	09-Aug-02	time	6.50	11.69	17.20	23.14	23.14	/ 4				
reaction time	0.152	interval		5.19	5.51	5.94		# of strides	11.69	11.45	0.24	
wind	0.0 m/s	velocity	7.69	9.63	9.07	8.42	8.64		8.55	8.73		

<b>Pointet, Léonie (SUI) (2001)</b>												
<b>Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b>										<i>Seiko Timing (2023) - world championship race analysis</i>		
date	23-Aug-23	time		11.83		23.16	23.16	8 / 5				
reaction time	0.147	interval				11.33	<b>PB</b>	# 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		

<b>FINAL - 2023 Athletissima (Lausanne, SUI)</b>										<i>Omega Timing (2023) - diamond league race analysis</i>		
date	30-Jun-23	time	6.44	11.78	17.44	23.58	23.58	8 / 5				
reaction time	0.156	interval		5.34	5.66	6.14		# of strides	11.78	11.80	-0.02	
wind	-0.4 m/s	velocity	7.76	9.36	8.83	8.14	8.48		8.49	8.47		

<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>										<i>Omega Timing (2022) - diamond league race analysis</i>		
date	26-Aug-22	time	6.3	11.6	17.2	23.30	23.30	4 / 1				
reaction time	0.156	interval		5.30	5.60	6.10		# of strides	11.60	11.70	-0.10	
wind	-0.9 m/s	velocity	7.94	9.43	8.93	8.20	8.58		8.62	8.55		

<b>FINAL - 2021 Athletissima (Lausanne, SUI)</b>										<i>Omega Timing (2021) - diamond league race analysis</i>		
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		

<b>Popkova, Vera (URS) (1943)</b>												
<b>FINAL - 1963 International Sportweek (Tokyo, JPN)</b>										<i>(1964) - einschätzung der einzelnen leichtathletischen disziplinen</i>		
date	13-Oct-63	time		12.0		24.3	24.30	/ 2				
reaction time		interval				12.30		# of strides	12.00	12.30	-0.30	
wind	???	velocity		8.33		8.13	8.23		8.33	8.13		

<b>Power, Adrienne (CAN) (1981)</b>												
<b>Heat 3 - 2009 IAAF World Championships (Berlin, GER)</b>										<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>		
date	19-Aug-09	time	6.50	11.76	17.33	23.38	23.38	3 / <del>6</del> 5				
reaction time	0.176	interval		5.26	5.57	6.05		# of strides	11.76	11.62	0.14	
wind	0.0 m/s	velocity	7.69	9.51	8.98	8.26	8.55		8.50	8.61		

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Prandini, Jenna (USA) (1992)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	17-Sep-23	time	6.30	11.35	16.68	22.68	22.68	5 / 7			
reaction time	0.179	interval		5.05	5.33	6.00		# of strides	11.35	11.33	0.02
wind	0.3 m/s	velocity	7.94	9.90	9.38	8.33	8.82	97.0	8.81	8.83	
<b>FINAL - 2023 Memorial van Damme (Brussels, BEL)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	08-Sep-23	time	6.35	11.34	16.67	22.47	22.47	4 / 3			
reaction time	0.203	interval		4.99	5.33	5.80		# of strides	11.34	11.13	0.21
wind	0.2 m/s	velocity	7.87	10.02	9.38	8.62	8.90	96.0	8.82	8.98	
<b>FINAL - 2023 Weltklasse (Zürich, SUI)</b>			<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	
<b>FINAL - 2023 Meeting de Paris (Paris, FRA)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
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	
<b>FINAL - 2022 Weltklasse (Zürich, SUI)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	08-Sep-22	time	6.31	11.30	16.62	22.45	22.45	6 / 4			
reaction time	0.155	interval		4.99	5.32	5.83		# of strides	11.30	11.15	0.15
wind	-0.9 m/s	velocity	7.92	10.02	9.40	8.58	8.91	96.0	8.85	8.97	
<b>FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	06-Aug-22	time	6.25	11.24	16.52	22.39	22.39	5 / 3			
reaction time	0.168	interval		4.99	5.28	5.87		# of strides	11.24	11.15	0.09
wind	0.2 m/s	velocity	8.00	10.02	9.47	8.52	8.93	95.7	8.90	8.97	
<b>Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)</b>			<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	
<b>Heat 6 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		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	
<b>FINAL - 2022 Prefontaine Classic (Eugene, OR)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
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	
<b>FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>			<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	
<b>FINAL - 2016 USA Olympic Trials (Eugene, OR)</b>			<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
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	0.07
wind	-0.6 m/s	velocity		8.85		8.90	8.88	96.2	8.85	8.90	
<b>FINAL - 2015 NCAA Championships (Eugene, OR)</b>			<i>USTFCCCA (2017) - NCAA DI outdoor championship history</i>								
date	13-Jun-15	time		11.3		22.2	22.21	3 / 2			
reaction time		interval				10.90	<b>PB</b>	# of strides	11.30	10.90	0.40
wind	1.9 m/s	velocity		8.85		9.17	9.00		8.85	9.17	
<b>FINAL - 2014 NCAA Championships (Eugene, OR)</b>			<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	0.40
wind	2.2 m/s	velocity		8.70		9.01	8.84		8.70	9.01	

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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Privalova, Irina (RUS) (1968)</b>											
<b>FINAL</b> - 1995 IAAF World Championships (Göteborg, SWE)											Veney - 200m women from PJ
date	25-Aug-95	time	11.17	16.40	22.12	22.12	5 / 3-2				
reaction time	0.189	interval		5.23	5.72		# of strides	11.17	10.95	0.22	
wind	-2.2 m/s	velocity	8.95	9.56	8.74	9.04	92.2	8.95	9.13		
<b>FINAL</b> - 1993 IAAF World Championships (Stuttgart, GER)											Veney - 200m women from PJ
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	0.47
wind	0.0 m/s	velocity	8.00	9.90	9.54	8.94	9.04	91.5	8.85	9.23	
<b>Privalova, Irina (EUN) (1968)</b>											
<b>FINAL</b> - 1992 Olympic Games (Barcelona, ESP)											Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016
date	06-Aug-92	time	11.2		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		
<b>Privalova, Irina (URS) (1968)</b>											
<b>FINAL</b> - 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		
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)											Federle (2003) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>
date	30-Jun-91	time	11.50		22.48	22.48	1 / 1				
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		
<b>Procházková, Barbora (CZE) (1991)</b>											
<b>Heat 3</b> - 2013 Czech Republic National Championships (Tábor, CZE)											Fehér (2013) - Final report men's & women's Czech Republic national champs
date	16-Jun-13	time	6.64	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	
<b>Prorochenko, Tatyana (URS) (1952)</b>											
<b>FINAL</b> - 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		
<b>Pulkkinen, Aino (FIN) (1998)</b>											
<b>Heat 1</b> - 2023 World Athletics Championships (Budapest, HUN)											Seiko Timing (2023) - world championship race analysis
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		
<b>Purvis, Ashton (USA) (1992)</b>											
<b>FINAL</b> - 2008 USATF National Junior Championships (Columbus, OH)											USATF Women's Sprint Development with HPC (2008)
date	22-Jun-08	time	11.99	17.61	23.80	23.80	7 / 3				
reaction time		interval		5.62	6.19		# of strides	11.99	11.81	0.18	
wind	-2.4 m/s	velocity	8.34	8.90	8.08	8.40		8.34	8.47		
<b>Qu Haixia (CHN) (1995)</b>											
<b>FINAL</b> - 2019 Chinese World Championships Trials (Shenyang, CHN)											Jiang (2019) - data analysis women's sprint finals the world championships trials
date	03-Aug-19	time	6.71	12.10	18.08	24.63	24.63	2 / 8			
reaction time		interval		5.39	5.98	6.55		# of strides	12.10	12.53	-0.43
wind	0.2 m/s	velocity	7.45	9.28	8.36	7.63	8.12		8.26	7.98	
<b>Quach Thi Lan (VIE) (1995)</b>											
<b>FINAL</b> - 2018 Asian Games (Jakarta, INA)											Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018
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	
<b>Raffai, Estelle (FRA) (1998)</b>											
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)											Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m
date	10-Aug-17	time	11.54	17.14	23.27	23.45	3 / 8				

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

reaction time	0.183	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

**Rammak, Saida (MAR) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	05-Jun-22	time	7.03	12.98	19.31	26.14	26.14	5 / 3			
reaction time	0.172	interval		5.95	6.33	6.83	<b>PB</b>	# of strides	12.98	13.16	-0.18
wind	1.1 m/s	velocity	7.11	8.40	7.90	7.32	7.65		7.70	7.60	

**Rao, Vandana (IND) (1963)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1985 World Cup (Canberra, AUS)							<i>Veney - 200m women from PJ</i>			
date	04-Oct-85	time		12.5	24.38	24.38	3 / 8			
reaction time		interval			11.88		# of strides	12.50	11.88	0.62
wind	-0.7 m/s	velocity	8.00	8.42	8.20			8.00	8.42	

**Ray, Shannon (USA) (1995)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2022 Doha Diamond League (Doha, QAT)							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	13-May-22	time	6.5	11.9	17.4	23.15	23.15	1 / 8			
reaction time	0.158	interval		5.40	5.50	5.75		# of strides	11.90	11.25	0.65
wind	1.3 m/s	velocity	7.69	9.26	9.09	8.70	8.64	104.5	8.40	8.89	

**Réga, Chantal (FRA) (1955)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 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		
<b>Semi-Final 2</b> - 1976 Olympic Games (Montreal, CAN)							<i>Breizer (1984) - sprint competition analysis</i>				
date	28-Jul-76	time		11.60	17.21	23.00	23.00	5 / 4			
reaction time		interval			5.61	5.79	<b>PB</b>	# of strides	11.60	11.40	0.20
wind	0.0 m/s	velocity	8.62	8.91	8.64	8.70			8.62	8.77	

**Renzhina, Yekaterina (RUS) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)							<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>				
date	10-May-15	time	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	

**Rhett, Amandi (USA) (1982)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Heat 1</b> - 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	

**Richards-Ross, Sanya (USA) (1985)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2012 Olympic Games (London, GBR)							<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	08-Aug-12	time		11.35	22.39	22.39	6 / 5				
reaction time	0.171	interval			11.04		# of strides	11.35	11.04	0.31	
wind	-0.2 m/s	velocity	8.81	9.06	8.93			96.7	8.81	9.06	
<b>FINAL</b> - 2012 USA Olympic Trials (Eugene, OR)							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	30-Jun-12	time		11.4	22.22	22.22	4 / 3				
reaction time	0.177	interval			10.82		# of strides	11.40	10.82	0.58	
wind	1.0 m/s	velocity	8.77	9.24	9.00			8.77	9.24		
<b>FINAL</b> - 2012 Great CityGames (Manchester, GBR) (200m straightaway)							<i>Jalava (2012) - www.tilastopaja.org</i>				
date	20-May-12	time		11.63	22.71	22.71	3 / 1				
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		

**Richards, Sanya (USA) (1985)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2008 IAAF World Athletics Final (Stuttgart, GER)							<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	13-Sep-08	time	6.36	11.48	16.83	22.50	22.50	3 / 1			
reaction time	0.156	interval		5.12	5.35	5.67		# of strides	11.48	11.02	0.46
wind	0.1 m/s	velocity	7.86	9.77	9.35	8.82	8.89		8.71	9.07	

**FINAL** - 2007 IAAF World Championships (Osaka, JPN)*Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

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

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	

**FINAL - 2006 IAAF World Cup (Athens, GRE) (TV Analysis)**Graubner (2008) - <http://www.fgs.uni-halle.de>

date	17-Sep-06	time	11.39	22.23	22.23	6 / 1			
reaction time	0.162	interval		10.84		# of strides	11.39	10.84	0.55
wind	-0.2 m/s	velocity	8.78	9.23	9.00		8.78	9.23	

**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	<b>PB</b>	# 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	

**Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

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	0.58
wind	-0.2 m/s	velocity	8.78	9.25	9.01	99.7	8.78	9.25	

**Heat 2 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

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	

**FINAL - 2021 Memorial van Damme (Brussels, BEL)**

Omega Timing (2021) - diamond league race analysis

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
wind	0.4 m/s	velocity	7.94	10.00	9.26	8.70	8.91	101.0	8.85

**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	

**Riedl, Julia (GER) (1992) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2010 German National Junior Championships (Ulm, GER)**Graubner (2010) - <http://www.fgs.uni-halle.de>

date	07-Aug-10	time	12.43	18.15	24.45	24.45	/ 3		
reaction time		interval		5.72	6.30		# of strides	12.43	12.02
wind	-0.1 m/s	velocity	8.05	8.74	7.94	8.18		8.05	8.32

**Heat 3 - 2010 German National Junior Championships (Ulm, GER)**Graubner (2010) - <http://www.fgs.uni-halle.de>

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) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2010 German National Junior Championships (Ulm, GER)**Graubner (2010) - <http://www.fgs.uni-halle.de>

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

**Heat 2 - 2010 German National Junior Championships (Ulm, GER)**Graubner (2010) - <http://www.fgs.uni-halle.de>

date	07-Aug-10	time	12.32	18.16	24.60	24.60	/ 1		
reaction time		interval		5.84	6.44		# of strides	12.32	12.28
wind	0.3 m/s	velocity	8.12	8.56	7.76	8.13		8.12	8.14

**Rivers, Theodosha (USA) (1979) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1996 USATF National Junior Championships (Delaware, OH)**

USATF Women's Sprint Development (1996)

date	29-Jun-96	time	6.95	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

**Roberts, Tameka (USA) (1974) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

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

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	0.37
wind	-0.5 m/s	velocity	8.42	9.24	8.20	8.55		8.42	8.69	

<b>Rockmeier, Gabi (GER) (1973)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 2002 European Championships (Munich, GER)</b>		<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	09-Aug-02	time	6.43	11.59	17.02	23.00	23.00	8 / 5			
reaction time	0.139	interval		5.16	5.43	5.98		# of strides	11.59	11.41	0.18
wind	-0.3 m/s	velocity	7.78	9.69	9.21	8.36	8.70		8.63	8.76	
<b>Semi-Final 2 - 2002 European Championships (Munich, GER)</b>		<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></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	
<b>Heat 1 - 2002 European Championships (Munich, GER)</b>		<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	08-Aug-02	time	6.53	11.72	17.20	23.24	23.24	/ 2			
reaction time	0.141	interval		5.19	5.48	6.04		# of strides	11.72	11.52	0.20
wind	-1.1 m/s	velocity	7.66	9.63	9.12	8.28	8.61		8.53	8.68	
<b>FINAL - 2001 European Cup (Bremen, GER)</b>		<i>Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	24-Jun-01	time	6.46	11.65	17.12	23.04	23.04	/ 4			
reaction time	0.137	interval		5.19	5.47	5.92	<b>PB</b>	# of strides	11.65	11.39	0.26
wind	0.3 m/s	velocity	7.74	9.63	9.14	8.45	8.68		8.58	8.78	
<b>Rooks, Cynethia (USA) (1984)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	04-Jul-08	time	6.62	11.96	17.55	23.66	23.66	4 / 7			
reaction time		interval		5.34	5.59	6.11		# of strides	11.96	11.70	0.26
wind	0.5 m/s	velocity	7.55	9.36	8.94	8.18	8.45	103.5	8.36	8.55	
<b>Rosa, Vitoria Cristina (BRA) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 6 - 2023 World Athletics Championships (Budapest, HUN)</b>		<i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time		12.21		23.86	23.86	2 / 8			
reaction time	0.164	interval				11.65		# of strides	12.21	11.65	0.56
wind	-0.3 m/s	velocity		8.19		8.58	8.38	97.0	8.19	8.58	
<b>FINAL - 2023 FBK Games (Hengelo, NED)</b>		<i>Omega Timing (2023) - continental tour race analysis</i>									
date	04-Jun-23	time	6.52	11.79	17.21	23.03	23.03	3 / 5			
reaction time	0.189	interval		5.27	5.42	5.82		# of strides	11.79	11.24	0.55
wind	1.4 m/s	velocity	7.67	9.49	9.23	8.59	8.68	94.7	8.48	8.90	
<b>Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	19-Jul-22	time		11.63		22.47	22.47	7 / 4			
reaction time	0.155	interval				10.84	<b>NR PB</b>	# 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	
<b>Heat 3 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time		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	
<b>FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)</b>		<i>Omega Timing (2022) - diamond league race analysis</i>									
date	06-Aug-22	time	6.44	11.63	17.03	22.89	22.89	8 / 8			
reaction time	0.172	interval		5.19	5.40	5.86		# of strides	11.63	11.26	0.37
wind	0.2 m/s	velocity	7.76	9.63	9.26	8.53	8.74	94.2	8.60	8.88	
<b>Semi-Final 3 - 2017 IAAF World Championships (London, GBR)</b>		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m</i>									
date	10-Aug-17	time		11.37	16.94	23.14	23.31	9 / 6			
reaction time	0.173	interval			5.57	6.20		# of strides	11.37	11.77	-0.40
wind	-0.2 m/s	velocity		8.80	8.98	8.06	8.58	95.3	8.80	8.50	
<b>Roseby, Hasani (USA) (1982)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
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	-0.01

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

wind -1.3 m/s velocity 7.89 8.99 8.88 7.96 8.40 8.40 8.40

**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

**Rosius, Rani (BEL) (2000)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Omega Timing (2021) - diamond league race analysis*

**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 0.01  
 wind 0.4 m/s velocity 7.58 9.43 8.62 8.21 8.41 100.0 8.40 8.41

**Rosolová, Denisa (CZE) (1986)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Feher (2013) - Final report men's & women's Czech Republic national champs*

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

**Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report men's & women's Czech Republic national champs*

date 16-Jun-13 time 6.62 11.94 17.68 24.04 24.04 4 / 1  
 reaction time 0.231 interval 5.32 5.74 6.36 # of strides 11.94 12.10 -0.16  
 wind -1.1 m/s velocity 7.55 9.40 8.71 7.86 8.32 8.38 8.26

**FINAL - 2012 Great CityGames (Manchester, GBR) (200m straightaway)***Jalava (2012) - www.tilastopaja.org*

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

**Rusakova, Natalya (RUS) (1980)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Graubner (2007) - http://www.fgs.uni-halle.de*

**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 0.34  
 wind -2.0 m/s velocity 8.60 9.35 8.42 8.73 8.60 8.86

**Russel, Carrie (JAM) (1990)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*(2013) - www.ssg.se/windsprint/Splittider/*

**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 -0.02  
 wind -0.1 m/s velocity 8.54 8.98 8.12 8.53 8.54 8.53

**Safronnikova, Natalia (BLR) (1973)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Graubner (2007) - http://www.fgs.uni-halle.de*

**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 0.28  
 wind 0.3 m/s velocity 7.84 9.80 9.36 8.53 8.82 8.71 8.93

**FINAL - 1997 European Cup (Munich, GER)***Jung (2003) - http://www.fgs.uni-halle.de*

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 0.38  
 wind -0.2 m/s velocity 7.61 9.43 9.07 8.36 8.56 8.42 8.70

**Safronova, Olga (KAZ) (1991)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
*Timing by Seiko (2022) - world athletics championships race analysis*

**Heat 1 - 2022 World Athletics Championships (Eugene, OR)**  
 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

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

date 05-Jul-19 time 6.5 11.8 17.3 23.53 23.53 5 / 7  
 reaction time 0.143 interval 5.3 5.5 6.23 # of strides 11.80 11.73 0.07  
 wind 1.0 m/s velocity 7.69 9.43 9.09 8.03 8.50 96.5 8.47 8.53

**FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)***Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

date 19-May-19 time 6.32 11.45 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

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



wind 0.5 m/s velocity 7.91 9.75 9.21 8.06 8.67 95.7 8.73 8.60

**FINAL - 2018 Asian Games (Jakarta, INA)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date 29-Aug-18 time 6.48 11.74 17.21 23.43 23.43 5 / 5  
 reaction time 0.144 interval 5.26 5.47 6.22 # of strides 11.74 11.69 0.05  
 wind -0.7 m/s velocity 7.72 9.51 9.14 8.04 8.54 96.7 8.52 8.55

**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 6.45 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

**Saito, Ami (JPN) (1999)**

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

**FINAL - 2021 Japanese National Championships (Osaka, JPN)***Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date 27-Jun-21 time 6.48 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

**FINAL - 2020 Japanese National Championships (Niigata, JPN)***Takahashi (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

**FINAL - 2019 Japanese National Championships (Fukuoka, JPN)***Yamanaka (2019) - research on athlete performance and technique- 2019 data book*

date 30-Jun-19 time 6.56 12.02 17.78 24.04 24.04 6 / 3  
 reaction time 0.116 interval 5.46 5.76 6.26 # of strides 12.02 12.02 0.00  
 wind -0.4 m/s velocity 7.62 9.16 8.68 7.99 8.32 105.7 8.32 8.32

**B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuuroi, JPN)***Kobayashi (2019) - research on athlete performance technique- 2019 databook*

date 03-May-19 time 6.71 12.20 17.95 24.21 24.21 7 / 3  
 reaction time interval 5.49 5.75 6.26 # of strides 12.20 12.01 0.19  
 wind -0.3 m/s velocity 7.45 9.11 8.70 7.99 8.26 105.7 8.20 8.33

**FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date 21-Oct-18 time 6.72 12.26 18.10 24.56 24.56 6 / 6  
 reaction time 0.178 interval 5.54 5.84 6.46 # of strides 12.26 12.30 -0.04  
 wind 1.5 m/s velocity 7.44 9.03 8.56 7.74 8.14 8.16 8.13

**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 8 / 8  
 reaction time 0.188 interval 5.54 5.82 6.34 # of strides 12.23 12.16 0.07  
 wind -0.2 m/s velocity 7.47 9.03 8.59 7.89 8.20 8.18 8.22

**FINAL - 2016 Japanese National High School Championships (Okayama, JPN)***Kota (2016) - 69th high school championships: JAF scientific committee*

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 0.06  
 wind 1.2 m/s velocity 8.31 8.61 8.88 8.14 8.47 8.45 8.50

**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 0.04  
 wind 1.8 m/s velocity 7.70 9.51 8.96 8.16 8.53 8.51 8.54

**B FINAL - 2016 Shizuoka International Athletics Meeting (Fukuuroi, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

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

**Saito, Manami (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 6.33 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 0.08  
 wind -0.2 m/s velocity 7.90 8.12 8.47 7.68 8.03 8.01 8.06

**FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)***Enomoto (2015) - 68th high school championships: JAF scientific committee*

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	0.50
wind	-3.4 m/s velocity	7.72	7.79	8.40	7.75	7.91	7.75	8.06

**Saito, Rina (JPN) (1997)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2018 Japanese National Championships (Yamaguchi, JPN)					<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	24-Jun-18	time	6.64	12.17	17.94	24.19	24.19	2 / 6		
reaction time	0.180	interval	5.53	5.77	6.25	<b>PB</b>	# of strides	12.17	12.02	0.15
wind	1.1 m/s	velocity	7.53	9.04	8.67	8.00	8.27	8.22	8.32	

**Sakamoto, Minami (JPN) (2006)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN)					<i>Shima (2022) - national high school championships biomechanics data collection</i>					
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	12.39	0.01
wind	-1.2 m/s	velocity	6.86	9.78	8.53	7.66	8.07	8.06	8.07	
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)					<i>Shibayama (2021) - national high school and U20 national championships</i>					
date	31-Jul-21	time	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	

**Sakiyama, Ayaka (JPN)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2007 Japanese National High School Championships (Saga, JPN)					<i>Hitorara (2007) - 60st high school championships: JAF scientific committee</i>					
date	04-Aug-07	time	6.71	12.40	18.55	25.08	25.08	6 / 3		
reaction time		interval	5.69	6.15	6.53		# of strides	12.40	12.68	-0.28
wind	-2.1 m/s	velocity	7.45	8.79	8.13	7.66	7.97	8.06	7.89	

**Salivaara, Katja (FIN) (1980)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>B FINAL</b> - 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	5 / 4			
reaction time		interval	6.15	6.81			# of strides	12.56	12.96	-0.40
wind	1.2 m/s	velocity	7.96	8.13	7.34	7.84		7.96	7.72	

**Samotysova, Lyudmila (URS) (1939)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 2</b> - 1969 European Championships (Athens, GRE)					<i>(1964) - einschätzung der einzelnen leichtathletischen disziplinen</i>					
date	18-Sep-69	time	11.90		24.30	24.20	1 / 2			
reaction time		interval			12.40		# of strides	11.90	12.40	-0.50
wind	-2.0 m/s	velocity	8.40		8.06	8.26		8.40	8.06	

**Samuel, Jamile (NED) (1992)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2023 FBK Games (Hengelo, NED)					<i>Omega Timing (2023) - continental tour race analysis</i>					
date	04-Jun-23	time	6.56	11.94	17.50	23.45	23.45	2 / 7		
reaction time	0.155	interval	5.38	5.56	5.95		# of strides	11.94	11.51	0.43
wind	1.4 m/s	velocity	7.62	9.29	8.99	8.40	8.53	100.5	8.38	8.69
<b>FINAL</b> - 2019 Weltklasse (Zürich, SUI)					<i>Omega Timing (2019) - diamond league race analysis</i>					
date	29-Aug-19	time	6.5	11.7	17.2	23.15	23.15	1 / 8		
reaction time	0.148	interval	5.2	5.5	5.95		# of strides	11.70	11.45	0.25
wind	-0.4 m/s	velocity	7.69	9.62	9.09	8.40	8.64	102.0	8.55	8.73

**Samuelsson, Jessica (SWE) (1985)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>D FINAL</b> - 2014 Windsprint (Sundsvall, SWE)					<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>					
date	20-Jul-14	time	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	
<b>Heptathlon - Heat 1</b> - 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	24.71	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	

**Sanders, Nicola (GBR) (1982)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2012 Great CityGames (Manchester, GBR) (200m straightaway)					<i>Jalava (2012) - www.tilastopaja.org</i>					
date	20-May-12	time	11.90		23.79	23.79	4 / 4			
reaction time		interval			11.89		# of strides	11.90	11.89	0.01
wind	-0.3 m/s	velocity	8.40		4.20	8.41		8.40	8.41	

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Sano, Fuyumi (JPN) (1989)</b>											
<b>FINAL</b> - 2007 Japanese National High School Championships (Saga, JPN)		<i>Hitorara (2007) - 60st high school championships: JAF scientific committee</i>									
date	04-Aug-07	time	6.79	12.58	18.72	25.08	25.08	1 / 2			
reaction time		interval		5.79	6.14	6.36		# of strides	12.58	12.50	0.08
wind	-2.1 m/s	velocity	7.36	8.64	8.14	7.86	7.97		7.95	8.00	
<b>Sasaki, Azusa (JPN) (1998)</b>											
<b>FINAL</b> - 2016 Japanese National High School Championships (Okayama, JPN)		<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>									
date	01-Aug-16	time	6.07	12.04	17.80	24.00	24.00	6 / 2			
reaction time	0.153	interval		5.97	5.76	6.20	<b>PB</b>	# of strides	12.04	11.96	0.08
wind	1.2 m/s	velocity	8.24	8.38	8.68	8.06	8.33		8.31	8.36	
<b>Sasaki, Nao (JPN) (2005)</b>											
<b>FINAL</b> - 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	
<b>Sato, Chihiro (JPN) (2002)</b>											
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)		<i>Yama (2019) - research on athlete performance and technique- 2019 data book</i>									
date	20-Oct-19	time	6.88	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	0.30
wind	-1.3 m/s	velocity	7.27	8.74	8.35	7.92	8.03	102.0	7.94	8.13	
<b>Sato, Misato (JPN) (2003)</b>											
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)		<i>Shibayama (2021) - national high school and U20 national championships</i>									
date	31-Jul-21	time	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	0.63
wind	2.2 m/s	velocity	8.05	8.39	8.94	8.40	8.44		8.22	8.67	
<b>FINAL</b> - 2021 Japanese U20 National Championships (Osaka, JPN)		<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>									
date	27-Jun-21	time	6.80	12.45	18.15	24.25	24.25	4 / 1			
reaction time	0.190	interval		5.65	5.70	6.10	<b>PB</b>	# of strides	12.45	11.80	0.65
wind	-0.4 m/s	velocity	7.35	8.85	8.77	8.20	8.25	105.7	8.03	8.47	
<b>Satou, Aoi (JPN) (2004)</b>											
<b>FINAL</b> - 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	-0.02
wind	-1.2 m/s	velocity	6.84	9.98	8.64	7.63	8.11		8.12	8.10	
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)		<i>Shibayama (2021) - national high school and U20 national championships</i>									
date	31-Jul-21	time	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	
<b>Schachtschneider, Maike (GER) (1994)</b>											
<b>FINAL</b> - 2010 German National Youth Championships (Ulm, GER)		<i>Graubner (2010) - http://www.fgs.uni-halle.de</i>									
date	08-Aug-10	time		12.51	18.23	24.48	24.48	1 / 5			
reaction time		interval			5.72	6.25		# of strides	12.51	11.97	0.54
wind	-0.2 m/s	velocity		7.99	8.74	8.00	8.17		7.99	8.35	
<b>Schippers, Dafne (NED) (1992)</b>											
<b>FINAL</b> - 2021 Golden Gala Pietro Mennea (Florence, ITA)		<i>Omega Timing (2021) - diamond league race analysis</i>									
date	10-Jun-21	time	6.5	11.6	17.1	23.03	23.03	4 / 6			
reaction time	0.134	interval		5.10	5.50	5.93		# of strides	11.60	11.43	0.17
wind	0.2 m/s	velocity	7.69	9.80	9.09	8.43	8.68	95.0	8.62	8.75	
<b>FINAL</b> - 2019 Weltklasse (Zürich, SUI)		<i>Omega Timing (2019) - diamond league race analysis</i>									
date	29-Aug-19	time	6.4	11.4	16.7	22.46	22.46	3 / 4			
reaction time	0.162	interval		5.0	5.3	5.76		# of strides	11.40	11.06	0.34
wind	-0.4 m/s	velocity	7.81	10.00	9.43	8.68	8.90	93.5	8.77	9.04	
<b>FINAL</b> - 2019 Müller Grand Prix (Birmingham, GBR)		<i>Omega Timing (2019) - diamond league race analysis</i>									
date	18-Aug-19	time	6.4	11.5	16.9	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

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

wind 0.4 m/s velocity 7.81 9.80 9.26 8.46 8.77 94.5 8.70 8.84

**FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2019) - diamond league race analysis*

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

**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

**Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date 10-Aug-17 time 6.26 11.25 16.58 22.49 22.49 5 / 1  
 reaction time 0.155 interval 4.99 5.33 5.91 # of strides 11.25 11.24 0.01  
 wind -0.2 m/s velocity 7.99 10.02 9.38 8.46 8.89 93.1 8.89 8.90

**Heat 1 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date 08-Aug-17 time 6.28 11.31 16.63 22.63 22.63 6 / 1  
 reaction time 0.146 interval 5.03 5.32 6.00 # of strides 11.31 11.32 -0.01  
 wind 0.5 m/s velocity 7.96 9.94 9.40 8.33 8.84 92.0 8.84 8.83

**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 91.7 8.93 9.36

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

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

**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 8.97 9.28

**FINAL - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date 28-Aug-15 time 6.22 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 0.63  
 wind 0.2 m/s velocity 8.04 10.18 9.92 9.16 9.25 90.5 8.98 9.52

**Schmidt, Annika (GER) (1983)**

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

**FINAL - 2010 German National Junior Championships (Ulm, GER)***Graubner (2010) - http://www.fgs.uni-halle.de*

date 07-Aug-10 time 12.64 18.57 25.02 25.02 / 5  
 reaction time interval 5.93 6.45 # of strides 12.64 12.38 0.26  
 wind -0.1 m/s velocity 7.91 8.43 7.75 7.99 7.91 8.08

**Heat 5 - 2010 German National Junior Championships (Ulm, GER)***Graubner (2010) - http://www.fgs.uni-halle.de*

date 07-Aug-10 time 12.52 18.32 24.68 24.68 / 1  
 reaction time interval 5.80 6.36 **PB** # of strides 12.52 12.16 0.36  
 wind 0.9 m/s velocity 7.99 8.62 7.86 8.10 7.99 8.22

**Schmidová, Martina (CZE) (1990)**

**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 6.72 12.53 17.84 23.97 23.97 7 / 4  
 reaction time 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

**Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report men's & women's Czech Republic national champs*

date 16-Jun-13 time 6.77 12.21 18.02 24.38 24.38 5 / 2  
 reaction time interval 5.44 5.81 6.36 # of strides 12.21 12.17 0.04  
 wind -1.2 m/s velocity 7.39 9.19 8.61 7.86 8.20 8.19 8.22

**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*

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

date	26-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	

**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 / 6			
reaction time	0.207	interval		5.29	5.55	6.08	=PB	# of strides	11.92	11.63	0.29
wind	-0.1 m/s	velocity	7.54	9.45	9.01	8.22	8.49		8.39	8.60	

#### Scott, Aurieyall (USA) (1992)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 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	

#### Sedney, Zoë (NED) (2001)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 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	-0.24
wind	-0.4 m/s	velocity	7.82	9.45	8.77	8.04	8.47	8.56	8.39		

#### Seidlová, Klára (CZE) (1994)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2013 Czech Republic National Championships (Tábor, CZE)											
date	16-Jun-13	time	6.67	12.14	17.89	24.12	24.12	2 / 5			
reaction time	0.144	interval		5.47	5.75	6.23		# of strides	12.14	11.98	0.16
wind	0.3 m/s	velocity	7.50	9.14	8.70	8.03	8.29	8.24	8.35		

**Heat 1** - 2013 Czech Republic National Championships (Tábor, CZE) *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.67	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		

#### Seko, Nodoka (JPN) (1991)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2009 Japanese National High School Championships (Nara, JPN)											
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		

**FINAL** - 2008 Japanese National High School Championships (Kumagaya, JPN) *Abe (2008) - 61st high school championships: JAF scientific committee*

date	01-Aug-08	time	6.65	12.30	18.31	24.80	24.80	1 / 2			
reaction time		interval		5.65	6.01	6.49		# of strides	12.30	12.50	-0.20
wind	-2.4 m/s	velocity	7.52	8.85	8.32	7.70	8.06	8.13	8.00		

#### Semedo, Gorete (STP) (1996)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 2</b> - 2023 World Athletics Championships (Budapest, HUN)										
date	23-Aug-23	time		12.02	23.69	23.69	9 / 8			
reaction time	0.239	interval			11.67		# of strides	12.02	11.67	0.35
wind	-0.7 m/s	velocity		8.32	8.57	8.44	98.0	8.32	8.57	

#### Seta, Haruna (JPN) (2006)

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

#### Sevilla, Paula (ESP) (1997)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 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	0.40
wind	0.8 m/s	velocity	7.60	9.24	8.98	8.31	8.48	8.34	8.63		

#### Seyni, Aminatou (NIG) (1996)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2022 World Athletics Championships (Eugene, OR)										
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	

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

**Semi-Final 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	

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

date	18-Jul-22	time	11.50	21.98	21.98	6 / 1			
reaction time	0.174	interval		10.48	<b>NR PB</b>	# 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	

**Sharipova, Nigina (UZB) (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	6.57	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	

**Sheehy, Ciara (IRL) (1980)****50m****100m****150m****200m****Official Time****Lane / Place****0-100m****100-200m****Differential****Semi-Final 1 - 2002 European Championships (Munich, GER)***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	0.25
wind	1.0 m/s	velocity	7.60	9.47	8.96	8.29	8.52		8.43	8.61	

**Heat 1 - 2002 European Championships (Munich, GER)***Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	08-Aug-02	time	6.42	11.64	17.16	23.25	23.25	/ 3			
reaction time	0.163	interval		5.22	5.52	6.09		# of strides	11.64	11.61	0.03
wind	-1.1 m/s	velocity	7.79	9.58	9.06	8.21	8.60		8.59	8.61	

**Shi Yarong (CHN) (1996)****50m****100m****150m****200m****Official Time****Lane / Place****0-100m****100-200m****Differential****FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)***Jiang (2019) - data analysis women's sprint finals the world championships trials*

date	03-Aug-19	time	6.57	11.90	17.64	23.84	23.84	7 / 4			
reaction time		interval		5.33	5.74	6.20	<b>PB</b>	# of strides	11.90	11.94	-0.04
wind	0.2 m/s	velocity	7.61	9.38	8.71	8.06	8.39		8.40	8.38	

**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	

**FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)***Enomoto (2015) - 68th high school championships: JAF scientific committee*

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	12.31	0.17
wind	-3.4 m/s	velocity	7.95	8.08	8.38	7.89	8.07		8.01	8.12	

**Shimada, Kohane (JPN) (2006)****50m****100m****150m****200m****Official Time****Lane / Place****0-100m****100-200m****Differential****FINAL - 2021 Japanese U16 National Championships (Matsuyama, JPN)***Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	23-Oct-21	time	6.68	12.12	17.96	24.59	17.96	5 / 1			
reaction time		interval		5.44	5.84			# of strides	12.12		<b>50-150m</b> 11.28
wind	1.1 m/s	velocity	7.49	9.19	8.56		11.14	79.0	8.25		8.87

**Shimada, Yukina (JPN) (1998)****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	6.65	12.35	18.29	24.64	24.64	4 / 7			
reaction time	0.188	interval		5.70	5.94	6.35		# of strides	12.35	12.29	0.06
wind	0.2 m/s	velocity	7.52	8.77	8.42	7.87	8.12		8.10	8.14	

**FINAL - 2017 Japanese National Championships (Osaka, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	6.55	12.11	18.05	24.38	24.38	3 / 7			
reaction time	0.159	interval		5.56	5.94	6.33		# of strides	12.11	12.27	-0.16
wind	-0.2 m/s	velocity	7.63	8.99	8.42	7.90	8.20		8.26	8.15	

**FINAL - 2016 Japanese National High School Championships (Okayama, JPN)***Kota (2016) - 69th high school championships: JAF scientific committee*

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	

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Shimura, Hitomi (JPN) (1990)</b>											
<b>FINAL</b> - 2018 Japanese Corporate Championships (Osaka, JPN)		<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	22-Sep-18	time	6.75	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	-0.18
wind	0.2 m/s	velocity	7.41	8.79	8.31	7.58	7.98		8.04	7.92	
<b>Shtanhyeyeva, Iryna (UKR) (1982)</b>											
<b>FINAL</b> - 2007 European Cup (Munich, GER)		<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>									
date	24-Jun-07	time		11.77	17.21	23.13	23.13	1 / 3			
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	
<b>Shuri, Ogi (JPN)</b>											
<b>U20 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)		<i>Nijima (2019) - research on athlete performance and technique- 2019 data book</i>									
date	20-Oct-19	time	6.63	12.25	18.18	24.61	24.61	2 / 5			
reaction time	0.173	interval		5.62	5.93	6.43		# of strides	12.25	12.36	-0.11
wind	-0.8 m/s	velocity	7.54	8.90	8.43	7.78	8.13	114.5	8.16	8.09	
<b>Simmons, Alexia (USA) (1977)</b>											
<b>FINAL</b> - 1996 USATF National Junior Championships (Delaware, OH)		<i>USATF Women's Sprint Development (1996)</i>									
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	<b>PB</b>	# of strides	11.98	12.20	-0.22
wind	-1.3 m/s	velocity	7.45	9.49	8.59	7.84	8.27		8.35	8.20	
<b>Simpson, Sherone (JAM) (1984)</b>											
<b>FINAL</b> - 2015 IAAF World Championships (Beijing, CHN)		<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>									
date	28-Aug-15	time		11.4		22.5	22.50	9 / 8			
reaction time	0.148	interval				11.10		# of strides	11.40	11.10	0.30
wind	0.2 m/s	velocity		8.77		9.01	8.89		8.77	9.01	
<b>FINAL</b> - 2011 IAAF World Championships (Daegu, KOR)		<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>									
date	02-Sep-11	time		11.5		23.17	23.17	7 / 8			
reaction time	0.169	interval				11.67		# of strides	11.50	11.67	-0.17
wind	-1.0 m/s	velocity		8.70		8.57	8.63	99.0	8.70	8.57	
<b>FINAL</b> - 2008 Olympic Games (Beijing, CHN)		<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>									
date	21-Aug-08	time		11.32		22.36	22.36	8 / 6			
reaction time	0.167	interval				11.04		# of strides	11.32	11.04	0.28
wind	0.6 m/s	velocity		8.83		9.06	8.94	98.2	8.83	9.06	
<b>Siwek, Agnieszka (POL) (1962)</b>											
<b>Semi-Final 2</b> - 1988 Olympic Games (Seoul, KOR)		<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>									
date	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	
<b>Slettum, Elisabeth (NOR) (1986)</b>											
<b>Heat 3</b> - 2022 World Athletics Championships (Eugene, OR)		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	18-Jul-22	time		11.95		23.55	23.55	7 / 7			
reaction time	0.158	interval				11.60		# of strides	11.95	11.60	0.35
wind	1.1 m/s	velocity		8.37		8.62	8.49	93.0	8.37	8.62	
<b>A FINAL</b> - 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	
<b>B FINAL</b> - 2014 Windsprint (Sundsvall, SWE)		<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>									
date	20-Jul-14	time		12.49		24.11	24.11	4 / 1			
reaction time		interval				11.62		# of strides	12.49	11.62	0.87
wind	1.8 m/s	velocity		8.01		8.61	8.30		8.01	8.61	
<b>B FINAL</b> - 2013 Windsprint (Sundsvall, SWE)		<i>(2013) - www.ssg.se/windsprint/Splittider/</i>									
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

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DV=Drug Violation

wind -0.1 m/s velocity 8.26 8.96 8.42 8.47 8.26 8.68

**B FINAL - 2012 Windsprint (Sundsvall, SWE)**(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

date 17-Jun-12 time 12.83 25.16 25.16 / 3  
 reaction time interval 12.33 # of strides 12.83 12.33 0.50  
 wind 1.9 m/s velocity 7.79 3.97 7.95 7.79 8.11

**FINAL - 2008 Windsprint (Sundsvall, SWE)**(2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

date 06-Jul-08 time 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

**Smallwood-Cook, Kathy (GBR) (1960) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 1984 Olympic Games (Los Angeles, CA)** Vogel (1984) - olympische spiele in los angeles  
 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

**FINAL - 1983 IAAF World Championships (Helsinki, FIN)**

Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints

date 14-Aug-83 time 11.55 16.78 22.37 22.37 3 / 3  
 reaction time 0.213 interval 5.23 5.59 # of strides 11.55 10.82 0.73  
 wind 1.5 m/s velocity 8.66 9.56 8.94 8.94 91.0 8.66 9.24

**Smallwood, Kathy (GBR) (1960)****FINAL - 1982 European Championships (Athens, GRE)**

Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdenisziplinen 1981/84

date 09-Sep-82 time 11.44 22.13 22.13 / 2  
 reaction time interval 10.69 **NUR** # of strides 11.44 10.69 0.75  
 wind 0.9 m/s velocity 8.74 9.35 9.04 8.74 9.35

**FINAL - 1980 Olympic Games (Moscow, URS)**

Veney - 200m women from PJ

date 30-Jul-80 time 11.79 17.06 22.61 22.61 7 / 5  
 reaction time 0.176 interval 5.27 5.55 # of strides 11.79 10.82 0.97  
 wind 1.4 m/s velocity 8.48 9.49 9.01 8.85 8.48 9.24

**Smith, Angelique (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 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

**Smith, Rachelle (USA) (1981) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 2006 USATF National Championships (Indianapolis, IN)** USATF Women's Sprint Development (2006)  
 date 25-Jun-06 time 6.34 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 9.20

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

USATF Women's Sprint Development (2005)

date 26-Jun-05 time 6.41 11.35 17.13 22.22 22.22 7 / 2  
 reaction time interval 4.94 5.78 5.09 **PB** # of strides 11.35 10.87 0.48  
 wind 0.3 m/s velocity 7.80 10.12 8.65 9.82 9.00 95.5 8.81 9.20

**Boone, Rachelle (USA) (1981)****FINAL - 2004 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (2004)

date 18-Jul-04 time 6.34 11.58 16.90 22.69 22.69 2 / ~~5~~ 5  
 reaction time interval 5.24 5.32 5.79 # of strides 11.58 11.11 0.47  
 wind -1.2 m/s velocity 7.89 9.54 9.40 8.64 8.81 96.7 8.64 9.00

**Semi-Final 1 - 2004 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (2004)

date 17-Jul-04 time 6.32 11.47 16.83 22.69 22.69 6 / ~~3~~ 2  
 reaction time interval 5.15 5.36 5.86 # of strides 11.47 11.22 0.25  
 wind 0.5 m/s velocity 7.91 9.71 9.33 8.53 8.81 8.72 8.91

**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

**Smith, Stephanie (USA) (1985) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

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



**FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)**

USATF Women's Sprint Development (2003)

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	

**Smolarek, Joanna (POL) (1965)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**FINAL - 1991 European Cup (Frankfurt, GER)**Federle (2003) - <http://www.fgs.uni-halle.de>

date	30-Jun-91	time		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	

**Sneen, Siv (NOR) (1992)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**C FINAL - 2012 Windsprint (Sundsvall, SWE)**(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

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	

**Sögenesand, Emelie (NOR) (1994)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**F FINAL - 2014 Windsprint (Sundsvall, SWE)**Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://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	-0.48
wind	0.1 m/s	velocity		7.28		7.04	7.16		7.28	7.04	

**Solcan, Elena (ROU) (1970)**

50m 100m 150m 200m Official Time Lane / Place

0-100m 100-200m Differential

**FINAL - 1991 European Cup (Frankfurt, GER)**Federle (2003) - <http://www.fgs.uni-halle.de>

date	30-Jun-91	time		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	

**Solomon, Shalonda (USA) (1985)**

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		11.4		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	

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

USATF Women's Sprint Development with HPC (2008)

date	06-Jul-08	time	6.31	11.46	16.69	22.36	22.36	8 / 7			
reaction time		interval		5.15	5.23	5.67		# of strides	11.46	10.90	0.56
wind	5.6 m/s	velocity	7.92	9.71	9.56	8.82	8.94		8.73	9.17	

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

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.34	11.56	16.76	22.48	22.48	4 / 3			
reaction time		interval		5.22	5.20	5.72		# of strides	11.56	10.92	0.64
wind	0.0 m/s	velocity	7.89	9.58	9.62	8.74	8.90		8.65	9.16	

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

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.49	11.57	16.95	22.68	22.68	6 / 1			
reaction time		interval		5.08	5.38	5.73		# of strides	11.57	11.11	0.46
wind	1.6 m/s	velocity	7.70	9.84	9.29	8.73	8.82		8.64	9.00	

**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	

**FINAL - 2006 USATF National Championships (Indianapolis, IN)**

USATF Women's Sprint Development (2006)

date	25-Jun-06	time	6.39	11.57	16.90	22.47	22.47	6 / 2			
reaction time		interval		5.18	5.33	5.57		# of strides	11.57	10.90	0.67
wind	0.3 m/s	velocity	7.82	9.65	9.38	8.98	8.90		8.64	9.17	

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

USATF Women's Sprint Development (2005)

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	

**FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)**

USATF Women's Sprint Development (2003)

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

date	21-Jun-03	time	6.59	12.01	17.47	23.37	23.37	6 / 1			
reaction time		interval		5.42	5.46	5.90		# of strides	12.01	11.36	0.65
wind	-1.5 m/s	velocity	7.59	9.23	9.16	8.47	8.56		8.33	8.80	
<b>Sönnerfors, Marie (SWE) (1993)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>D FINAL - 2014 Windsprint (Sundsvall, SWE)</b>			<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	
<b>Sotáková, Jana (CZE) (1993)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2013 Czech Republic National Championships (Tábor, CZE)</b>			<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.82	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	-0.05
wind	0.3 m/s	velocity	7.33	8.91	8.39	7.67	8.03		8.05	8.01	
<b>Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)</b>			<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.90	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	
<b>Soumaré, Myriam (FRA) (1986)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2012 Olympic Games (London, GBR)</b>			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	08-Aug-12	time		11.41		22.63	22.63	2 / 7			
reaction time	0.157	interval				11.22		# of strides	11.41	11.22	0.19
wind	-0.2 m/s	velocity		8.76		8.91	8.84	98.2	8.76	8.91	
<b>FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)</b>			<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	-0.01
wind	2.6 m/s	velocity	7.79	9.52	8.94	8.21	8.57		8.57	8.56	
<b>Sprunger, Ellen (SUI) (1986)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)</b>			<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>								
date	07-May-16	time	6.46	11.60	17.18		17.18	1 / 2			
reaction time		interval		5.14	5.58		<b>PB</b>	# of strides	11.60		10.72
wind	1.0 m/s	velocity	7.74	9.73	8.96		8.73		8.62		9.33
<b>Sprunger, Léa (SUI) (1990)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)</b>			<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>								
date	07-May-16	time	6.44	11.55	17.06		17.06	1 / 1			
reaction time		interval		5.11	5.51		<b>PB</b>	# of strides	11.55		10.62
wind	1.0 m/s	velocity	7.76	9.78	9.07		8.79		8.66		9.42
<b>Stecher, Renate (GDR) (1950)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1976 Olympic Games (Montreal, CAN)</b>			<i>Breizer (1984) - sprint competition analysis</i>								
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	
<b>Semi-Final 1 - 1976 Olympic Games (Montreal, CAN)</b>			<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	
<b>FINAL - 1973 East German Spitzenklasse (Dresden, GDR)</b>			<i>Breizer (1984) - sprint competition analysis</i>								
date	21-Jul-73	time		11.32	16.86	22.38	22.38				
reaction time		interval			5.54	5.52	<b>WR</b>	# 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	
<b>FINAL - 1972 Olympic Games (Munich, FRG)</b>			<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>								
date	09-Jul-72	time		11.28	16.54	22.40	22.40	6 / 1			
reaction time		interval			5.26	5.86	<b>=WR</b>	# 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	
<b>Steiner, Abby (USA) (1999)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>

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

**FINAL - 2023 Meeting de Paris (Paris, FRA)***Omega Timing (2023) - diamond league race analysis*

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	

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

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	

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

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	

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

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	

**Stewart, Kerron (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		11.4		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	

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

date	13-Sep-08	time	6.41	11.51	16.88	22.72	22.72	4 / 3			
reaction time	0.162	interval		5.10	5.37	5.84		# of strides	11.51	11.21	0.30
wind	0.1 m/s	velocity	7.80	9.80	9.31	8.56	8.80		8.69	8.92	

**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		11.15		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	

**Stevens, Deajah (USA) (1995)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m*

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	

**Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m*

date	10-Aug-17	time		11.26	16.64	22.55	22.71	6 / 2			
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	

**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		11.5		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	

**FINAL - 2016 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

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	

**Strachan, Anthonique (BAH) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2023 Prefontaine Classic (Eugene, OR)***Omega Timing (2023) - diamond league race analysis*

date	17-Sep-23	time	6.32	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	

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

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

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 7.92 9.88 9.47 8.83 8.96 88.0 8.80 9.14

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

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

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

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

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

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

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

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

**FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2023) - diamond league race analysis*

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

**FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2023) - diamond league race analysis*

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

**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 -87.38  
 wind 1.9 m/s velocity 8.82 1.01 8.82 1.01

**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

**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

**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

**Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 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 0.38  
 wind -0.2 m/s velocity 8.55 9.12 8.58 8.62 88.3 8.55 8.84

**Straub, Regina (GER) (1992)**

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

**B FINAL - 2010 German National Junior Championships (Ulm, GER)***Graubner (2010) - <http://www.fgs.uni-halle.de>*

date 07-Aug-10 time 12.83 18.86 25.37 25.37 / 5  
 reaction time interval 6.03 6.51 # of strides 12.83 12.54 0.29  
 wind -0.2 m/s velocity 7.79 8.29 7.68 7.88 7.79 7.97

**Streidt, Ellen (GDR) (1952)**

**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 11.64 17.04 22.75 22.75 3 / 4

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

reaction time	interval	5.40	5.71	# of strides	11.64	11.11	0.53	
wind	1.1 m/s velocity	8.59	9.26	8.76	8.79	102.2	8.59	9.00

<b>Ström, Malin (SWE) (1986)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>B FINAL</b> - 2015 Windsprint (Sundsvall, SWE) <i>(2015) - www.windsprint/Splittider/</i>										
date	26-Jul-15	time	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	
<b>B FINAL</b> - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	24-Jul-07	time	12.33	18.15	24.39	24.39	4 / 1			
reaction time	interval			5.82	6.24		# of strides	12.33	12.06	0.27
wind	2.0 m/s velocity		8.11	8.59	8.01	8.20		8.11	8.29	
<b>Sturgis, Cambrea (USA) (1999)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2022 Prefontaine Classic (Eugene, OR) <i>Omega Timing (2022) - diamond league race analysis</i>										
date	28-May-22	time	6.33	11.55	16.96	22.85	22.85	3 / 6		
reaction time	0.170 interval		5.22	5.41	5.89		# of strides	11.55	11.30	0.25
wind	1.3 m/s velocity		7.90	9.58	9.24	8.49	100.2	8.66	8.85	
<b>Sturup, Chandra (BAH) (1971)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1996 Olympic Games (Atlanta, GA) <i>Veney - 200m women from PJ</i>										
date	01-Aug-96	time	11.32	16.68	22.54	22.54	8 / 6			
reaction time	0.165 interval			5.36	5.86		# of strides	11.32	11.22	0.10
wind	0.3 m/s velocity		8.83	9.33	8.53	8.87		8.83	8.91	
<b>Stuy, Hrustyna (UKR) (1988)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2011 IAAF World Championships (Daegu, KOR) <i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>										
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	
<b>Štychová, Martina (CZE) (1992)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 1</b> - 2013 Czech Republic National Championships (Tábor, CZE) <i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>										
date	16-Jun-13	time	7.04	12.73	18.77	25.32	25.32	6 / 5		
reaction time	0.214 interval		5.69	6.04	6.55		# of strides	12.73	12.59	0.14
wind	-1.2 m/s velocity		7.10	8.79	8.28	7.63	7.90	7.86	7.94	
<b>Suarez, Gabriela Anahi (ECU) (2001)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 3</b> - 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	19-Jul-22	time	11.39		22.74	22.74	3 / 4			
reaction time	0.142 interval				11.35	<b>NR PB</b>	# of strides	11.39	11.35	0.04
wind	-0.1 m/s velocity		8.78		8.81	8.80	99.7	8.78	8.81	
<b>Heat 1</b> - 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	
<b>Suchovská, Erika (CZE) (1967)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2001 European Cup (Bremen, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>										
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	0.37
wind	0.3 m/s velocity		7.53	9.19	8.82	8.28	8.41	8.28	8.54	
<b>Sugiyama, Sumire (JPN) (1997)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN) <i>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	<b>PB</b>	# of strides	12.44	12.16	0.28
wind	-3.4 m/s velocity		7.90	8.18	8.64	7.85	8.13	8.04	8.22	
<b>Sulek, Adrianna (POL) (1999)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heptathlon - Heat 2</b> - 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	<b>PB</b>	# 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	

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

<b>Sulyán, Alexa (HUN) (2005)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time	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	
<b>Suzuki, Kazuha (JPN) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2019 Japanese National High School Championships (Okinawa, JPN) - 72nd high school champs: JAF scientific committee - biomechanics data</b>										
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
wind	1.3 m/s	velocity	7.51	9.07	8.65	7.86	8.23	8.22	8.24	0.03
<b>Szewinska, Irena (POL) (1946)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1972 Olympic Games (Munich, FRG)</b> <i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>										
date	09-Jul-72	time	11.66	17.02	22.74	22.74	5 / 3			
reaction time		interval		5.36	5.72		# of strides	11.66	11.08	0.58
wind	1.1 m/s	velocity	8.58	9.33	8.74	8.80	89.2	8.58	9.03	
<b>Ta Lou, Marie Josée (CIV) (1988)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b> <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
wind	0.3 m/s	velocity	8.13	9.90	9.52	8.85	9.05	97.5	8.93	9.17
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>										
date	25-Aug-23	time	11.41		22.64	22.64	2 / 8			
reaction time	0.179	interval			11.23		# of strides	11.41	11.23	0.18
wind	0.1 m/s	velocity	8.76		8.90	8.83	97.0	8.76	8.90	
<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>										
date	24-Aug-23	time	11.31		22.26	22.26	6 / 3			
reaction time	0.157	interval			10.95		# of strides	11.31	10.95	0.36
wind	-0.2 m/s	velocity	8.84		9.13	8.98	96.2	8.84	9.13	
<b>Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time	11.41		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	
<b>FINAL - 2023 Bauhaus Galan (Stockholm, SWE)</b> <i>Omega Timing (2023) - diamond league race analysis</i>										
date	02-Jul-23	time	6.21	11.34	16.73	22.70	22.70	5 / 4		
reaction time	0.152	interval		5.13	5.39	5.97		# of strides	11.34	11.36
wind	-0.6 m/s	velocity	8.05	9.75	9.28	8.38	8.81	48.7	8.82	8.80
<b>FINAL - 2023 Meeting de Paris (Paris, FRA)</b> <i>Omega Timing (2023) - diamond league race analysis</i>										
date	09-Jun-23	time	6.11	11.18	16.49	22.34	22.34	7 / 3		
reaction time	0.168	interval		5.07	5.31	5.85		# of strides	11.18	11.16
wind	-0.4 m/s	velocity	8.18	9.86	9.42	8.55	8.95	98.5	8.94	8.96
<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b> <i>Omega Timing (2022) - diamond league race analysis</i>										
date	09-Jun-22	time	6.30	11.46	16.86	22.77	22.77	2 / 5		
reaction time	0.182	interval		5.16	5.40	5.91		# of strides	11.46	11.31
wind	1.3 m/s	velocity	7.94	9.69	9.26	8.46	8.78	101.2	8.73	8.84
<b>FINAL - 2021 Herculis Meeting International d'Athlétisme (Monaco, MON)</b> <i>Omega Timing (2021) - diamond league race analysis</i>										
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
wind	0.7 m/s	velocity	8.06	10.00	9.43	8.70	8.99	99.0	8.93	9.05
<b>FINAL - 2021 Bauhaus Galan (Stockholm, SWE)</b> <i>Omega Timing (2021) - diamond league race analysis</i>										
date	04-Jul-21	time	6.2	11.3	16.6	22.36	22.36	6 / 2		
reaction time	0.156	interval		5.10	5.30	5.76		# of strides	11.30	11.06
wind	-0.4 m/s	velocity	8.06	9.80	9.43	8.68	8.94	98.2	8.85	9.04
<b>FINAL - 2021 Golden Gala Pietro Mennea (Florence, ITA)</b> <i>Omega Timing (2021) - diamond league race analysis</i>										

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

date	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	

**FINAL - 2019 Müller Grand Prix (Birmingham, GBR)***Omega Timing (2019) - diamond league race analysis*

date	18-Aug-19	time	6.4	11.6	17.1	24.18	24.18	3 / 8			
reaction time	0.149	interval		5.2	5.5	7.08		# of strides	11.60	12.58	-0.98
wind	0.4 m/s	velocity	7.81	9.62	9.09	7.06	8.27		8.62	7.95	

**FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2019) - diamond league race analysis*

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	

**FINAL - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	11-Aug-17	time	6.17	11.17	16.39	22.08	22.08	4 / 2			
reaction time	0.199	interval		5.00	5.22	5.69	<b>NR</b>	# 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	

**Semi-Final 3 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	10-Aug-17	time	6.23	11.26	16.60	22.50	22.50	5 / 1			
reaction time	0.198	interval		5.03	5.34	5.90		# of strides	11.26	11.24	0.02
wind	-0.2 m/s	velocity	8.03	9.94	9.36	8.47	8.89	99.3	8.88	8.90	

**Heat 6 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

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	

**FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)***Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020*

date	17-Aug-16	time		11.3		22.21	22.21	3 / 4			
reaction time	0.153	interval				10.91	<b>NR PB</b>	# of strides	11.30	10.91	0.39
wind	-0.1 m/s	velocity		8.85		9.17	9.00	98.0	8.85	9.17	

**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	6.37	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	

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

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	

**Táborská, Monika (CZE) (1988)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.68	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	-0.41
wind	-1.2 m/s	velocity	7.49	9.06	8.35	7.55	8.06		8.20	7.93	

**Taji, Haruka (JPN) (2002)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.87	12.41	18.23	24.58	24.58	5 / 3			
reaction time	0.179	interval		5.54	5.82	6.35		# of strides	12.41	12.17	0.24
wind	1.5 m/s	velocity	7.28	9.03	8.59	7.87	8.14		8.06	8.22	

**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)***Seiko Timing (2023) - world championship race analysis*

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	

**FINAL - 2023 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2023) - diamond league race analysis*

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	-0.08

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

wind -0.6 m/s velocity 7.72 9.45 8.96 7.97 8.47 99.2 8.50 8.44

<b>Takahashi, Momoko (JPN) (1988)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2011 Japanese National Championships (Kumagaya, JPN)						<i>Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters</i>					
date	12-Jun-11	time	6.69	12.14	17.97	24.15	24.15	/ 5			
reaction time		interval		5.45	5.83	6.18		# of strides	12.14	12.01	0.13
wind	-0.7 m/s	velocity	7.47	9.17	8.58	8.09	8.28		8.24	8.33	

<b>Takamori, Maho (JPN) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN)						<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	

<b>Takashima, Saki (JPN) (2002)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2020 Japanese National Championships (Niigata, JPN)						<i>Hirokawa (2020) - research on athlete performance and technique- 2020 data book</i>					
date	03-Oct-20	time	6.80	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	0.39
wind	-0.1 m/s	velocity	7.35	8.98	8.65	8.06	8.21	104.0	8.08	8.35	

<b>FINAL</b> - 2019 Japanese National High School Championships (Okinawa, JPN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Kobayashi (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>											
date	07-Aug-19	time	6.69	12.14	17.73	23.76	23.76	3 / 2			
reaction time		interval		5.45	5.59	6.03	<b>PB</b>	# 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	

<b>Takeishi, Konomi (JPN) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2020 All Japan Corporate Championships (Kumagaya, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	20-Sep-20	time	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	

<b>Takenaka, Hikaru (JPN) (1993)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2010 Japanese National High School Championships (Okinawa, JPN)						<i>Matsuo (2010) - 63rd high school championships: JAF scientific committee</i>					
date	01-Aug-10	time	7.06	12.91	18.74	24.94	24.94	/ 3			
reaction time		interval		5.85	5.83	6.20		# of strides	12.91	12.03	0.88
wind	1.0 m/s	velocity	7.08	8.55	8.58	8.06	8.02		7.75	8.31	

<b>Takita, Izumi (JPN) (2002)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2021 Ready Steady Tokyo (Tokyo, JPN)						<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>					
date	09-May-21	time	6.70	12.19	17.86	23.99	23.99	5 / 2			
reaction time	0.133	interval		5.49	5.67	6.13	<b>PB</b>	# 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	

<b>Takita, Shizumi (JPN) (2002)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)						<i>Yama (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	

<b>Taplin, Cheryl (USA) (1972)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 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	<b>PB</b>	# 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	

<b>Semi-Final 2</b> - 1996 USA Olympic Trials (Atlanta, GA)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>USATF Women's Sprint Development (1996)</i>											
date	22-Jun-96	time		11.67	17.18	22.95	22.95	4 / 4			
reaction time		interval			5.51	5.77		# of strides	11.67	11.28	0.39
wind	0.5 m/s	velocity		8.57	9.07	8.67	8.71		8.57	8.87	

<b>Tarasova, Yuliya (UZB) (1986)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heptathlon - Heat 3</b> - 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	-0.26
wind	-0.2 m/s	velocity	7.35	9.31	8.49	7.65	8.13		8.22	8.05	



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Tarmoh, Jeneba (USA) (1989)</b>											
<b>FINAL - 2016 USA Olympic Trials (Eugene, OR)</b>		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
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	-0.12	
wind	-0.6 m/s	velocity	8.47		8.39	8.43		8.47	8.39		
<b>FINAL - 2015 IAAF World Championships (Beijing, CHN)</b>		<i>Butler (2019) - IAAF world championships - Doha 2019: statistics handbook</i>									
date	28-Aug-15	time	11.2		22.3	22.31	8 / 6				
reaction time	0.150	interval			11.10		# of strides	11.20	11.10	0.10	
wind	0.2 m/s	velocity	8.93		9.01	8.96	90.2	8.93	9.01		
<b>FINAL - 2012 USA Olympic Trials (Eugene, OR)</b>		<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		
<b>FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)</b>		<i>USATF Women's Sprint Development (2006)</i>									
date	23-Jun-06	time	6.64	11.73	17.22	23.14	23.14	4 / 3			
reaction time		interval		5.09	5.49	5.92	<b>PB</b>	# of strides	11.73	11.41	0.32
wind	0.9 m/s	velocity	7.53	9.82	9.11	8.45	8.64		8.53	8.76	
<b>Tashiro, Narumi (JPN) (1991)</b>											
<b>FINAL - 2009 Japanese National High School Championships (Nara, JPN)</b>		<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>									
date	01-Aug-09	time	6.74	12.40	18.18	24.21	24.21	5 / 1			
reaction time		interval		5.66	5.78	6.03		# of strides	12.40	11.81	0.59
wind	0.3 m/s	velocity	7.42	8.83	8.65	8.29	8.26		8.06	8.47	
<b>Tavares, Sónia (POR) (1986)</b>											
<b>FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)</b>		<i>Jalava (2012) - www.tilastopaja.org</i>									
date	20-May-12	time		11.84	17.82		17.82	4 / 3			
reaction time		interval			5.98		<b>PB</b>	# of strides	11.84		
wind	-0.4 m/s	velocity		8.45	8.36		8.42		8.45		
<b>Terry, Twanisha (USA) (1999)</b>											
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>		<i>Omega Timing (2023) - diamond league race analysis</i>									
date	17-Sep-23	time	6.19	11.17	16.41	22.21	22.21	9 / 4			
reaction time	0.143	interval		4.98	5.24	5.80		# of strides	11.17	11.04	0.13
wind	0.3 m/s	velocity	8.08	10.04	9.54	8.62	9.00	101.7	8.95	9.06	
<b>FINAL - 2023 Weltklasse (Zürich, SUI)</b>		<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	
<b>Theisen, Brianne (CAN) (1988)</b>											
<b>Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)</b>		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	15-Aug-09	time	6.88	12.35	18.29	24.62	24.62	8 / 6			
reaction time	0.185	interval		5.47	5.94	6.33		# of strides	12.35	12.27	0.08
wind	0.0 m/s	velocity	7.27	9.14	8.42	7.90	8.12		8.10	8.15	
<b>Thiam, Nafissatou (BEL) (1994)</b>											
<b>Heptathlon - Heat 1 - 2022 World Athletics Championships (Eugene, OR)</b>		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>									
date	17-Jul-22	time		12.35		24.39	24.39	2 / 2			
reaction time	0.138	interval				12.04		# of strides	12.35	12.04	0.31
wind	1.5 m/s	velocity		8.10		8.31	8.20	91.0	8.10	8.31	
<b>Thomas, Andrea (GER) (1963)</b>											
<b>FINAL - 1991 European Cup (Frankfurt, GER)</b>		<i>Federle (2003) - http://www.fgs.uni-halle.de</i>									
date	30-Jun-91	time		11.56		23.08	23.08	1 / 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	
<b>Thomas, Andrea (FRG) (1963)</b>											
<b>Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)</b>		<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	0.31
wind	1.70 m/s	velocity	7.82	9.58	9.11	8.61	8.73	95.2	8.61	8.85	

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

Thomas, Gabrielle (USA) (1996)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b> <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	
<b>Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>											
date	24-Aug-23	time	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	
<b>Heat 5 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time	11.47			22.26	22.26	8 / 1			
reaction time	0.168	interval				10.79		# of strides	11.47	10.79	0.68
wind	-1.3 m/s	velocity	8.72			9.27	8.98	88.5	8.72	9.27	
<b>FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)</b> <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	
<b>FINAL - 2023 Meeting de Paris (Paris, FRA)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
date	09-Jun-23	time	6.18	11.21	16.42	22.05	22.05	6 / 1			
reaction time	0.170	interval		5.03	5.21	5.63		# of strides	11.21	10.84	0.37
wind	-0.4 m/s	velocity	8.09	9.94	9.60	8.88	9.07	88.0	8.92	9.23	
<b>FINAL - 2022 Weltklasse (Zürich, SUI)</b> <i>Omega Timing (2022) - diamond league race analysis</i>											
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	
<b>FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)</b> <i>Omega Timing (2022) - diamond league race analysis</i>											
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	
<b>FINAL - 2022 Doha Diamond League (Doha, QAT)</b> <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	
<b>FINAL - 2020 USA Olympic Trials (Eugene, OR)</b> <i>Vazel (2021) - https://twitter.com/pjvazel/status/1409396275791994886?s=21</i>											
date	26-Jun-21	time	11.12			21.61	21.61	6 / 1			
reaction time	0.173	interval				10.49	<b>PB</b>	# of strides	11.12	10.49	0.63
wind	1.3 m/s	velocity	8.99			9.53	9.25	90.0	8.99	9.53	
<b>FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)</b> <i>Omega Timing (2019) - diamond league race analysis</i>											
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	
<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b> <i>Omega Timing (2019) - diamond league race analysis</i>											
date	05-Jul-19	time	6.4	11.6	17.0	22.69	22.69	6 / 1			
reaction time	0.144	interval		5.2	5.4	5.69		# of strides	11.60	11.09	0.51
wind	1.0 m/s	velocity	7.81	9.62	9.26	8.79	8.81	90.5	8.62	9.02	
<b>FINAL - 2017 NCAA Championships (Eugene, OR)</b> <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	
<b>FINAL - 2016 USA Olympic Trials (Eugene, OR)</b> <i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	10-Jul-16	time	11.6			22.72	22.72	8 / 6			
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	

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

<b>Thomas, Vashti (USA) (1990)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>A FINAL - 2013 Windsprint (Sundsvall, SWE)</b> <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		
<b>Thompson-Herah, Elaine (JAM) (1992)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2022 Commonwealth Games (Birmingham, GBR)</b> <i>Longines Timing (2022) - commonwealth games race analysis</i>											
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	<b>CR</b>	# 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	
<b>FINAL - 2022 World Athletics Championships (Eugene, OR)</b> <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	21-Jul-22	time		11.36		22.39	22.39	2 / 7			
reaction time	0.139	interval				11.03		# of strides	11.36	11.03	0.33
wind	0.6 m/s	velocity		8.80		9.07	8.93	97.0	8.80	9.07	
<b>Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)</b> <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	19-Jul-22	time		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	
<b>Heat 2 - 2022 World Athletics Championships (Eugene, OR)</b> <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	
<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b> <i>Omega Timing (2022) - diamond league race analysis</i>											
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	
<b>FINAL - 2020 Olympic Games (Tokyo, JPN)</b> <i>Vazel (2021) - https://twitter.com/pjvazel/status/1422593785813377036?s=21</i>											
date	03-Aug-21	time		10.99	16.06	21.53	21.53	7 / 1			
reaction time	0.173	interval			5.07	5.47	<b>NR PB</b>	# of strides	10.99	10.54	0.45
wind	0.8 m/s	velocity		9.10	9.86	9.14	9.29	96.7	9.10	9.49	
<b>FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)</b> <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	
<b>Thompson, Elaine (JAM) (1992)</b>											
<b>FINAL - 2019 Weltklasse (Zürich, SUI)</b> <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	
<b>FINAL - 2019 Herculis Meeting International d'Athlétisme (Monaco, MON)</b> <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	
<b>FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)</b> <i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>											
date	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	
<b>FINAL - 2015 IAAF World Championships (Beijing, CHN)</b> <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	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	<b>PB</b>	# of strides	11.06	10.60	0.46
wind	0.2 m/s	velocity	8.05	10.31	9.88	9.03	9.23	95.5	9.04	9.43	
<b>Thompson, Shauna (GBR) (1992)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)</b> <i>Jalava (2010) - www.tilastopaja.org</i>											
date	16-May-10	time		11.47	17.05		17.05	4 / 2			

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

reaction time	interval	5.58	# of strides	11.47
wind - 0.4 m/s	velocity	8.72 8.96	8.80	8.72

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

date	17-May-09	time	6.40	11.60	17.20	17.20	/ 3	<b>50-150m</b>
reaction time	interval	5.20	5.60	<b>PB</b>	# of strides	11.60	10.80	
wind	0.1 m/s	velocity	7.81	9.62	8.93	8.72	8.62	9.26

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

**Tirlea, Ionela (ROU) (1976)**

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

**Tomb, Stine (NOR) (1986)**

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

date	20-Jul-14	time	12.71	25.33	25.33	5 / 4	
reaction time	interval	12.62	# of strides	12.71	12.62	0.09	
wind	1.8 m/s	velocity	7.87	7.92	7.90	7.87	7.92

**Tomoko, Inada (JPN)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2007 Japanese National High School Championships (Saitama, JPN) (2007) - 60st high school championships: JAF scientific committee- biomechanics**

date	04-Aug-07	time	6.75	12.41	18.49	24.90	24.90	5 / 1	
reaction time	interval	5.66	6.08	6.41	# of strides	12.41	12.49	-0.08	
wind	-2.1 m/s	velocity	7.41	8.83	8.22	7.80	8.03	8.06	8.01

**Tong Zenghuan (CHN) (1995)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**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	0.46	
wind	0.9 m/s	velocity	8.03	8.33	8.85	8.17	8.33	99.7	8.18	8.50

**FINAL - 2020 Chinese Olympic Trials (Shaoxing, CHN)**

CAA Hurdle Development (2021)

date	13-Jun-21	time	12.00	23.71	23.71	4 / 3		
reaction time	0.245	interval	11.71	# of strides	12.00	11.71	0.29	
wind	0.2 m/s	velocity	8.33	8.54	8.44	100.2	8.33	8.54

**Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)**

CAA Hurdle Development (2021)

date	12-Jun-21	time	11.73	23.71	23.71	3 / 2		
reaction time	0.218	interval	11.98	# of strides	11.73	11.98	-0.25	
wind	-0.4 m/s	velocity	8.53	8.35	8.44	101.0	8.53	8.35

**Torihara, Saki (JPN) (1992)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2009 Japanese National High School Championships (Nara, JPN)**

Matsuo (2009) - 62nd high school championships: JAF scientific committee

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

**Tornemark, Pernilla (SWE) (1985)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**B FINAL - 2015 Windsprint (Sundsvall, SWE)**(2015) - [www.windsprint/Splittider/](http://www.windsprint/Splittider/)

date	26-Jul-15	time	12.60	24.80	24.80	4 / 1	
reaction time	interval	12.20	# of strides	12.60	12.20	0.40	
wind	1.6 m/s	velocity	7.94	8.20	8.06	7.94	8.20

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

date	20-Jul-14	time	12.55	24.81	24.81	3 / 3	
reaction time	interval	12.26	# of strides	12.55	12.26	0.29	
wind	1.8 m/s	velocity	7.97	8.16	8.06	7.97	8.16

**B FINAL - 2012 Windsprint (Sundsvall, SWE)**(2012) - [www.elitlandslag.se/SprintHack/KortSprint.aspx](http://www.elitlandslag.se/SprintHack/KortSprint.aspx)

date	17-Jun-12	time	12.81	25.27	25.27	/ 4
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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	

<b>Torrence, Gwen (USA) (1965)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 1996 USA Olympic Trials (Atlanta, GA)</b>						<i>USATF Women's Sprint Development (1996)</i>					
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		
<b>Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)</b>						<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		
<b>FINAL - 1995 IAAF World Championships (Göteborg, SWE)</b>						<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	<b>DQ</b>	# of strides	11.14	10.63	0.51	
wind	-2.2 m/s	velocity	8.98	9.94	8.93	9.19	96.0	8.98	9.41		
<b>FINAL - 1995 USATF National Championships (Sacramento, CA)</b>						<i>USATF Women's Sprint Development (1995)</i>					
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	
<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b>						<i>Veney - 200m women from PJ</i>					
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	
<b>FINAL - 1992 Olympic Games (Barcelona, ESP)</b>						<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	
<b>Semi-Final 2 - 1992 Olympic Games (Barcelona, ESP)</b>						<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	<b>PB</b>	# 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	
<b>FINAL - 1991 IAAF World Championships (Tokyo, JPN)</b>						<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	
<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b>						<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>					
date	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	
<b>Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)</b>						<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>					
date	29-Sep-88	time	6.58	11.66	16.94	22.53	22.53	6 / 3			
reaction time	0.264	interval		5.08	5.28	5.59		# of strides	11.66	10.87	0.79
wind	1.8 m/s	velocity	7.60	9.84	9.47	8.94	8.88		8.58	9.20	
<b>FINAL - 1987 IAAF World Championships (Rome, ITA)</b>						<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	<b>PB</b>	# 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		

<b>Townsend, Tiffany (USA) (1989)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)</b>						<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	21-May-17	time	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	-0.05
wind	0.6 m/s	velocity	7.81	9.56	9.03	8.14	8.58	98.5	8.60	8.56	

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

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

date	23-Jul-16	time	11.45	22.63	22.63	7 / 2			
reaction time	0.191	interval		11.18		# of strides	11.45	11.18	0.27
wind	-0.8 m/s	velocity	8.73	8.94	8.84		8.73	8.94	

**FINAL - 2016 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

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	

**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
wind	1.0 m/s	velocity	7.79	9.63	9.29	8.53	8.75		11.24

**FINAL - 2008 USATF National Junior Championships (Columbus, OH)***USATF Women's Sprint Development with HPC (2008)*

date	22-Jun-08	time	12.11	17.63	23.60	23.60	4 / 1		
reaction time		interval		5.52	5.97		# of strides	12.11	11.49
wind	-2.4 m/s	velocity	8.26	9.06	8.38	8.47		8.26	8.70

**Trandenkova, Marina (RUS) (1967)**

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 Vth world championships athletics*

date	08-Aug-97	time	6.25	11.39	16.75	22.51	22.65	1 / 6	
reaction time	0.138	interval		5.14	5.36	5.76		# of strides	11.39
wind	-0.7 m/s	velocity	8.00	9.73	9.33	8.68	8.83	100.5	8.78

**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	1 / 3	
reaction time		interval		5.24	5.47	6.03		# of strides	11.66
wind	-0.2 m/s	velocity	7.79	9.54	9.14	8.29	8.64		8.58

**FINAL - 1995 IAAF World Championships (Göteborg, SWE)***Veney - 200m women from PJ*

date	10-Aug-95	time	11.68	17.06	22.84	22.84	1 / <del>8</del> 7		
reaction time		interval		5.38	5.78	<b>PB</b>		# of strides	11.68
wind	-2.2 m/s	velocity	8.56	9.29	8.65	8.76	101.5		8.56

**Tschirch, Cathleen (GER) (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	17.51	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

**Tsimanouskaya, Krystsina (POL) (1996)**

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
wind	-0.2 m/s	velocity	8.52		8.62	8.57	101.0		8.52

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

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
wind	-0.3 m/s	velocity	8.64		8.85	8.74	99.0		8.64

**Tsimanouskaya, Krystsina (BLR) (1996)****FINAL - 2019 The Match - Europe v USA (Minsk, BLR)***European Athletics (2019) - race analysis*

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

**Tsuchihashi, Tomoka (JPN) (1995)**

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

**FINAL - 2012 Japanese National High School Championships (Niigata, JPN)***Yasunori (2012) - 65th high school championships: JAF scientific committee*

date	01-Aug-12	time	6.73	12.43	17.96	24.24	24.24	3 / 2	
reaction time		interval		5.70	5.53	6.28		# of strides	12.43
wind	0.3 m/s	velocity	7.43	8.77	9.04	7.96	8.25		8.05

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

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	

**FINAL - 2021 Japanese National Championships (Osaka, JPN)***Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	27-Jun-21	time	6.59	12.01	17.58	23.65	23.65	7 / 2			
reaction time	0.192	interval		5.42	5.57	6.07		# of strides	12.01	11.64	0.37
wind	-1.0 m/s	velocity	7.59	9.23	8.98	8.24	8.46	98.0	8.33	8.59	

**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	<b>PB</b>	# 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	

**Race 2 - 2020 World Athletics Trials (Fuji, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	06-Sep-20	time	6.58	11.95	17.65	23.81	23.81	5 / 1			
reaction time		interval		5.37	5.70	6.16	<b>PB</b>	# of strides	11.95	11.86	0.09
wind	-0.7 m/s	velocity	7.60	9.31	8.77	8.12	8.40		8.37	8.43	

**Turner, Laura (GBR) (1982)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)***Butler (2011) - Gay's last 100 in Manchester street 150*

date	15-May-11	time	6.36	11.66	17.43		17.43	2 / 3		<b>50-150m</b>
reaction time		interval		5.30	5.77		<b>PB</b>	# of strides	11.66	11.07
wind	1.6 m/s	velocity	7.86	9.43	8.67		8.61		8.58	9.03

**Turpin, Esther (FRA) (1996)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heptathlon - Heat 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	19-Aug-23	time		12.67	25.04	25.04		2 / 6			
reaction time	0.208	interval			12.37			# of strides	12.67	12.37	0.30
wind	-0.1 m/s	velocity		7.89	8.08	7.99		97.0	7.89	8.08	

**Tymińska, Karolina (POL) (1984)**

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

**Tyson, Cleo (USA) (1986)**

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

date	24-Jun-05	time		11.55	17.06	22.93	22.93	6 / 1			
reaction time		interval			5.51	5.87		# of strides	11.55	11.38	0.17
wind	0.6 m/s	velocity		8.66	9.07	8.52	8.72		8.66	8.79	

**Uba, Rufina (NGR) (1959)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 1985 World Cup (Canberra, AUS)***Veney - 200m women from PJ*

date	04-Oct-85	time		12.2	24.03	24.03		2 / 7			
reaction time		interval			11.83			# of strides	12.20	11.83	0.37
wind	-0.7 m/s	velocity		8.20	8.45	8.32			8.20	8.45	

**Uchiyama, Kyoka (JPN) (2003)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)***Uchiyama (2019) - research on athlete performance and technique- 2019 data book*

date	20-Oct-19	time	6.72	12.27	18.19	24.44	24.44	7 / 4			
reaction time	0.175	interval		5.55	5.92	6.25		# of strides	12.27	12.17	0.10
wind	-1.3 m/s	velocity	7.44	9.01	8.45	8.00	8.18	105.0	8.15	8.22	

**Ullgren, Moa (SWE) (1996)**

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

date	20-Jul-14	time		13.17	26.30	26.30		2 / 4			
reaction time		interval			13.13			# of strides	13.17	13.13	0.04
wind	1.3 m/s	velocity		7.59	7.62	7.60			7.59	7.62	

**Usui, Ayane (JPN) (2000)**

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

date	21-Oct-18	time	6.72	12.34	18.10	24.22	24.22	8 / 3			
reaction time	0.163	interval		5.62	5.76	6.12		# of strides	12.34	11.88	0.46
wind	1.5 m/s	velocity	7.44	8.90	8.68	8.17	8.26		8.10	8.42	

<b>FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)</b>										<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>		
date	05-Aug-18	time	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		

**Utsunomiya, Eri (JPN) (1993)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**      **100-200m**      **Differential**

**Heptathlon - Heat 3 - 2019 Japanese National Multi-Event Championships (Nagano, JPN)**      *Matsubayashi (2019) - research on athlete performance and technique*

date	08-Jun-19	time	6.77	12.46	18.46	24.88	24.88	5 / 3				
reaction time		interval		5.69	6.00	6.42		# of strides	12.46	12.42	0.04	
wind	3.2 m/s	velocity	7.39	8.79	8.33	7.79	8.04		8.03	8.05		

**Heptathlon - Heat 3 - 2018 Japanese National Multi-Event Championships (Nagano, JPN)**      *Matsubayashi (2018) - research on athlete performance and technique*

date	16-Jun-18	time	6.76	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		

**Heptathlon - Heat 3 - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)**      *Matsubayashi (2018) - research on athlete performance and technique*

date	21-Apr-18	time	6.72	12.37	18.40	24.79	24.79	8 / 1				
reaction time		interval		5.65	6.03	6.39	<b>PB</b>	# of strides	12.37	12.42	-0.05	
wind	-0.4 m/s	velocity	7.44	8.85	8.29	7.82	8.07		8.08	8.05		

**Vaičule, Gunta (LAT) (1995)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**      **100-200m**      **Differential**

**FINAL - 2019 Athletissima (Lausanne, SU1)**      *Omega Timing (2019) - diamond league race analysis*

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		

**Valeria, Martha (COL) (1996)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**      **100-200m**      **Differential**

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

date	19-Aug-23	time		12.64		25.67	25.67	5 / 5				
reaction time	0.184	interval				13.03		# of strides	12.64	13.03	-0.39	
wind	-0.1 m/s	velocity		7.91		7.67	7.79	103.0	7.91	7.67		

**van Hünenstijn, Marije (NED) (1995)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**      **100-200m**      **Differential**

**FINAL - 2021 Athletissima (Lausanne, SU1)**      *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		

**FINAL - 2021 Bauhaus Galan (Stockholm, SWE)**      *Omega Timing (2021) - diamond league race analysis*

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	0.72	
wind	-0.4 m/s	velocity	7.58	9.26	9.09	8.65	8.59	95.0	8.33	8.87		

**van Vliet, Leonie (NED) (1993)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**      **100-200m**      **Differential**

**FINAL - 2021 Athletissima (Lausanne, SU1)**      *Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	6.6	12.0	17.8	23.90	23.90	1 / 8				
reaction time	0.232	interval		5.40	5.80	6.10		# of strides	12.00	11.90	0.10	
wind	2.5 m/s	velocity	7.58	9.26	8.62	8.20	8.37	96.0	8.33	8.40		

**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)**      *Seiko Timing (2023) - world championship race analysis*

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		

**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		

**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		

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



<b>Vetter, Anouk (NED) (1993)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b>							<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		
<b>Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)</b>							<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
date	17-Jul-22	time	12.18		23.73	23.73	8 / 3				
reaction time	0.168	interval			11.55		# of strides	12.18	11.55	0.63	
wind	1.4 m/s	velocity	8.21		8.66	8.43	95.0	8.21	8.66		
<b>Vidts, Noor (BEL) (1996)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
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		
<b>Heptathlon - Heat 2 - 2022 World Athletics Championships (Eugene, OR)</b>							<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		
<b>Vinogradova, Yelena (URS) (1964)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1991 IAAF World Championships (Tokyo, JPN)</b>							<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>				
date	30-Aug-91	time	11.60		23.10	23.10	8 / 8				
reaction time		interval			11.50		# of strides	11.60	11.50	0.10	
wind	-2.4 m/s	velocity	8.62		8.70	8.66		8.62	8.70		
<b>Voronina, Ekaterina (UZB) (1992)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heptathlon - Heat 1 - 2023 World Athletics Championships (Budapest, HUN)</b>							<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		
<b>Voronova-Pomoshnikova, Natalya (UR)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b>							<i>Veney - 200m women from PJ</i>				
date	19-Aug-93	time	6.41	11.48	16.82	22.50	22.50	8 / 6			
reaction time	0.262	interval		5.07	5.34	5.68		# of strides	11.48	11.02	0.46
wind	0.0 m/s	velocity	7.80	9.86	9.36	8.80	8.89	95.2	8.71	9.07	
<b>Wada, Maki (JPN) (1986)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2019 Japanese National Championships (Fukuoka, JPN)</b>							<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>				
date	30-Jun-19	time	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	
<b>FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)</b>							<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>				
date	19-May-19	time	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	
<b>FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)</b>							<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>				
date	22-Sep-18	time	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	
<b>FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)</b>							<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>				
date	24-Jun-18	time	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	
<b>FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)</b>							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	03-May-17	time	6.58	12.31	18.40	25.10	25.10	2 / 8			
reaction time		interval		5.73	6.09	6.70		# of strides	12.31	12.79	-0.48
wind	-0.5 m/s	velocity	7.60	8.73	8.21	7.46	7.97		8.12	7.82	

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<b>FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)</b>					<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>						
date	18-Apr-15	time	6.67	12.33	18.23	24.63	24.63	1 / 7			
reaction time		interval		5.66	5.90	6.40		# of strides	12.33	12.30	0.03
wind	1.7 m/s	velocity	7.50	8.83	8.47	7.81	8.12	105.5	8.11	8.13	

<b>FINAL - 2011 Japanese National Championships (Kumagaya, JPN)</b>					<i>Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters</i>						
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	-0.50
wind	-0.7 m/s	velocity	7.23	8.33	7.73	7.19	7.59		7.74	7.45	

<b>Wallström, Frida (SWE) (1995)</b>					<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>						
<b>F FINAL - 2014 Windsprint (Sundsvall, SWE)</b>											
date	20-Jul-14	time		13.50	27.22	27.22	3 / 1				
reaction time		interval			13.72	<b>PB</b>	# of strides	13.50	13.72	-0.22	
wind	0.1 m/s	velocity		7.41	7.29	7.35		7.41	7.29		

<b>Walther, Gesine (GDR) (1962)</b>					<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>						
<b>FINAL - 1982 GDR vs. USA (Karl-Marx-Stadt, GDR)</b>											
date	09-Sep-82	time		11.27	22.24	22.24	/ 2				
reaction time		interval			10.97	<b>PB</b>	# of strides	11.27	10.97	0.30	
wind	0.9 m/s	velocity		8.87	9.12	8.99		8.87	9.12		

<b>Walton, Sue (USA) (1972)</b>					<i>USATF Women's Sprint Development (1995)</i>						
<b>FINAL - 1995 USATF National Championships (Sacramento, CA)</b>											
date	18-Jun-95	time	6.45	11.76	17.30	23.28	23.28	8 / 6			
reaction time		interval		5.31	5.54	5.98		# of strides	11.76	11.52	0.24
wind	2.3 m/s	velocity	7.75	9.42	9.03	8.36	8.59		8.50	8.68	

<b>Washington, Ariana (USA) (1996)</b>					<i>USTFCCCA (2017) - NCAA DI outdoor championship history</i>						
<b>FINAL - 2017 NCAA Championships (Eugene, OR)</b>											
date	10-Jun-17	time		11.6	22.4	22.39	8 / 2				
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	

<b>FINAL - 2016 USA Olympic Trials (Eugene, OR)</b>					<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	

<b>Washington, Demetria (USA) (1979)</b>					<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>						
<b>FINAL - 2007 Windsprint (Sundsvall, SWE)</b>											
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	0.21
wind	0.6 m/s	velocity		8.20	8.77	7.96	8.27		8.20	8.35	

<b>Watanabe, Hikaru (JPN) (1996)</b>					<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
<b>FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)</b>											
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	<b>PB</b>	# 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	

<b>Watanabe, Misato (JPN) (1990)</b>					<i>Abe (2008) - 61st high school championships: JAF scientific committee</i>						
<b>FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)</b>											
date	01-Aug-08	time	6.72	12.30	18.32	24.81	24.81	/ 3			
reaction time		interval		5.58	6.02	6.49		# of strides	12.30	12.51	-0.21
wind	-2.4 m/s	velocity	7.44	8.96	8.31	7.70	8.06		8.13	7.99	

<b>Wei Yongli (CHN) (1991)</b>					<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>						
<b>FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)</b>											
date	03-Aug-19	time	6.49	11.70	17.31	23.46	23.46	3 / 2			
reaction time		interval		5.21	5.61	6.15		# of strides	11.70	11.76	-0.06
wind	0.2 m/s	velocity	7.70	9.60	8.91	8.13	8.53		8.55	8.50	

<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b>					<i>Omega Timing (2019) - diamond league race analysis</i>						
date	05-Jul-19	time	6.6	12.0	17.6	23.68	23.68	1 / 8			

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

reaction time	0.172	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

**FINAL - 2018 Asian Games (Jakarta, INA)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	29-Aug-18	time	6.37	11.64	17.20	23.27	23.27	4 / 3		
reaction time	0.158	interval	5.27	5.56	6.07	# of strides	11.64	11.63	0.01	
wind	-0.7 m/s	velocity	7.85	9.49	8.99	8.24	8.59	97.5	8.59	8.60

**Weissenberg, Sophie (GER) (1997)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heptathlon - Heat 3 - 2023 World Athletics Championships (Budapest, HUN)** *Seiko Timing (2023) - world championship race analysis*

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	

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

date	17-Jul-22	time	12.20	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	

**Wessolly, Jessica-Bianca (GER) (1996)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2023 FBK Games (Hengelo, NED)** *Omega Timing (2023) - continental tour race analysis*

date	04-Jun-23	time	6.74	12.21	17.91	24.04	24.04	1 / 8		
reaction time	0.187	interval	5.47	5.70	6.13	# of strides	12.21	11.83	0.38	
wind	1.4 m/s	velocity	7.42	9.14	8.77	8.16	8.32	100.5	8.19	8.45

**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	

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

date	18-Jul-22	time	11.73	22.87	22.87	6 / 4			
reaction time	0.159	interval	11.14	# of strides	11.73	11.14	0.59		
wind	2.5 m/s	velocity	8.53	8.98	8.75	96.0	8.53	8.98	

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

date	26-Aug-21	time	6.5	11.8	17.3	23.11	23.11	3 / 4		
reaction time	0.151	interval	5.30	5.50	5.81	# of strides	11.80	11.31	0.49	
wind	2.5 m/s	velocity	7.69	9.43	9.09	8.61	8.65	98.0	8.47	8.84

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

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	

**White, Kayla (USA) (1996)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2023 Prefontaine Classic (Eugene, OR)** *Omega Timing (2023) - diamond league race analysis*

date	17-Sep-23	time	6.22	11.32	16.60	22.49	22.49	6 / 6		
reaction time	0.140	interval	5.10	5.28	5.89	# of strides	11.32	11.17	0.15	
wind	0.3 m/s	velocity	8.04	9.80	9.47	8.49	8.89	92.0	8.83	8.95

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

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	

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

date	23-Aug-23	time	11.54	22.62	22.62	4 / 3			
reaction time	0.144	interval	11.08	# of strides	11.54	11.08	0.46		
wind	-0.3 m/s	velocity	8.67	9.03	8.84	92.2	8.67	9.03	

**FINAL - 2023 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2023) - diamond league race analysis*

date	21-Jul-23	time	6.24	11.35	16.72	22.54	22.54	3 / 5		
reaction time	0.153	interval	5.11	5.37	5.82	# of strides	11.35	11.19	0.16	
wind	0.2 m/s	velocity	8.01	9.78	9.31	8.59	8.87	8.81	8.94	

**FINAL - 2023 Meeting de Paris (Paris, FRA)***Omega Timing (2023) - diamond league race analysis*

date	09-Jun-23	time	6.20	11.32	16.73	22.67	22.67	8 / 5			
reaction time	0.173	interval		5.12	5.41	5.94		# of strides	11.32	11.35	-0.03
wind	-0.4 m/s	velocity	8.06	9.77	9.24	8.42	8.82		94.0	8.83	8.81

**FINAL - 2023 FBK Games (Hengelo, NED)***Omega Timing (2023) - continental tour race analysis*

date	04-Jun-23	time	6.24	11.38	16.77	22.56	22.56	4 / 3			
reaction time	0.144	interval		5.14	5.39	5.79		# of strides	11.38	11.18	0.20
wind	1.4 m/s	velocity	8.01	9.73	9.28	8.64	8.87		93.5	8.79	8.94

**FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2023) - diamond league race analysis*

date	28-May-23	time	6.26	11.43	16.76	22.52	22.52	7 / 4			
reaction time	0.158	interval		5.17	5.33	5.76		# of strides	11.43	11.09	0.34
wind	0.8 m/s	velocity	7.99	9.67	9.38	8.68	8.88		93.0	8.75	9.02

**White, Kelli (USA) (1977)**

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

date	22-Jun-03	time	6.26	11.46	16.63	22.21	22.21	5 / <del>4</del>			
reaction time		interval		5.20	5.17	5.58	<b>DV</b>	# of strides	11.46	10.75	0.71
wind	0.0 m/s	velocity	7.99	9.62	9.67	8.96	9.00		8.73	9.30	

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

date	10-Aug-01	time		11.2		22.56	22.56	3 / <del>3</del>			
reaction time	0.147	interval				11.36	<b>DV</b>	# 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

**Whitney, Kaylin (USA) (1998)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**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	11.79	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	-0.05
wind	0.6 m/s	velocity	7.80	9.29	8.77	8.14	8.46		97.5	8.48	8.45

**Whyte, Natalliah (JAM) (1997)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time		11.33		22.52	22.52	7 / 3			
reaction time	0.154	interval				11.19		# of strides	11.33	11.19	0.14
wind	-0.1 m/s	velocity		8.83		8.94	8.88		97.0	8.83	8.94

**Heat 4 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

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

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

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

**Wieß, Patricia (GER)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2010 German National Junior Championships (Ulm, GER)***Graubner (2010) - <http://www.fgs.uni-halle.de>*

date	07-Aug-10	time		13.13	19.15	25.46	25.46	/ 8			
reaction time		interval			6.02	6.31		# of strides	13.13	12.33	0.80
wind	-0.1 m/s	velocity		7.62	8.31	7.92	7.86		7.62	8.11	

**Williams, Aleah (USA) (1981)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

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	-0.40
wind	-1.1 m/s	velocity	7.82	9.42	8.77	7.81	8.40		8.55	8.26	

**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 / <del>4</del> 3			
reaction time		interval		5.29	5.58	6.32		# of strides	11.66	11.90	-0.24
wind	-0.3 m/s	velocity	7.85	9.45	8.96	7.91	8.49		8.58	8.40	

**Williams, Angela (USA) (1980)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

**Semi-Final 1 - 1996 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (1996)

date	22-Jun-96	time	11.98	17.35	23.40	23.40	2 / 7			
reaction time		interval		5.37	6.05	<b>PB</b>	# 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	

**Williams, Bianca (GBR) (1993)**

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	11.46		22.45	22.45	5 / 4			
reaction time	0.156	interval			10.99	<b>PB</b>	# of strides	11.46	10.99	0.47
wind	-0.2 m/s	velocity	8.73		9.10	8.91	99.0	8.73	9.10	

**Heat 4 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

date	23-Aug-23	time	11.62		22.67	22.67	7 / 3			
reaction time	0.167	interval			11.05		# of strides	11.62	11.05	0.57
wind	-0.4 m/s	velocity	8.61		9.05	8.82	98.5	8.61	9.05	

**Semi-Final 3 - 2017 IAAF World Championships (London, GBR)**

Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - Women's 200m

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	

**Williams, Briana (JAM) (2002)**

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

**FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)**

Koyama (2018) - research on athlete performance and technique- 2018 data book

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	<b>CR NJR</b>	# 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

**Williams, Charonda (USA) (1987)**

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

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)**

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

**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
wind	0.3 m/s	velocity	7.74	9.78	9.19	8.62	8.77	8.64	8.90	0.33

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

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

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
wind	0.3 m/s	velocity	7.74	9.71	9.17	8.31	8.67	8.61	8.72	0.14

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

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	0.39

**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
wind	1.3 m/s	velocity	7.58	9.36	9.06	8.49	8.57	8.38	8.76	0.53

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

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

**Williams, Christania (JAM) (1994)**

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

**A FINAL - 2015 Windsprint (Sundsvall, SWE)**

(2015) - www.windsprint/Splittider/

date	26-Jul-15	time		12.25		24.33	24.33	2 / 4		
reaction time		interval				12.08		# of strides	12.25	12.08
wind	0.8 m/s	velocity		8.16		8.28	8.22	8.16	8.28	0.17

**A FINAL - 2014 Windsprint (Sundsvall, SWE)**

Johansen (2014) - www.ssg.se/windsprint/Splittider/

date	20-Jul-14	time		11.81		23.22	23.22	4 / 1		
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified  
DV=Drug Violation

reaction time	interval			11.41		# of strides	11.81	11.41	0.40
wind	2.7 m/s	velocity	8.47	8.76	8.61		8.47	8.76	

<b>Williams, Jodean (JAM) (1993)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)						<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017 - 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	
<b>Williams, Jodie (GBR) (1993)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Müller British Grand Prix (Gateshead, GBR)						<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
wind	0.2 m/s	velocity	7.81	9.62	9.43	8.77	8.85	94.0	8.62	9.09
<b>FINAL</b> - 2019 Athletissima (Lausanne, SUI)						<i>Omega Timing (2019) - diamond league race analysis</i>				
date	05-Jul-19	time	6.4	11.5	16.9	22.75	22.75	4 / 2		
reaction time	0.142	interval		5.1	5.4	5.85		# of strides	11.50	11.25
wind	1.0 m/s	velocity	7.81	9.80	9.26	8.55	8.79	95.2	8.70	8.89
<b>FINAL</b> - 2013 Great CityGames (Manchester, GBR) (150m straightaway)						<i>Minshull (2013) - world bests for shakes-draxton and felix in manchester</i>				
date	25-May-13	time		11.32	16.81		16.81	4 / 4		
reaction time		interval			5.49		<b>PB</b>	# of strides	11.32	
wind	0.2 m/s	velocity		8.83	9.11		8.92		8.83	
<b>Williams, Kendell (USA) (1995)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heptathlon - Heat 2</b> - 2022 World Athletics Championships (Eugene, OR)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
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
wind	1.4 m/s	velocity		7.92		7.91	7.91		7.92	7.91
<b>Williams, Lauren Rain (USA) (1999)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 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	6.40	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
<b>Williams, Lauryn (USA) (1983)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2013 Great CityGames (Manchester, GBR) (150m straightaway)						<i>Minshull (2013) - world bests for shakes-draxton and felix in manchester</i>				
date	25-May-13	time		11.20	16.64		16.64	3 / 3		
reaction time		interval			5.44		<b>PB</b>	# of strides	11.20	
wind	0.2 m/s	velocity		8.93	9.19		9.01		8.93	
<b>FINAL</b> - 2008 IAAF World Athletics Final (Stuttgart, GER)						<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
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
<b>FINAL</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
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
<b>Semi-Final 1</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.34	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
wind	-0.1 m/s	velocity	7.89	9.63	9.56	8.58	8.85		8.67	9.04
<b>Quarter-Final 3</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.47	11.70	17.08	23.12	23.12	4 / 3		
reaction time		interval		5.23	5.38	6.04		# of strides	11.70	11.42
wind	0.0 m/s	velocity	7.73	9.56	9.29	8.28	8.65		8.55	8.76
<b>Heat 1</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	04-Jul-08	time		11.91	17.33	23.30	23.30	8 / 3		
reaction time		interval			5.42	5.97		# of strides	11.91	11.39

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

wind 1.4 m/s velocity 8.40 9.23 8.38 8.58 100.5 8.40 8.78

**FINAL - 2007 IAAF World Athletics Final (Stuttgart, GER)***Graubner (2007) - <http://www.fgs.uni-halle.de>*

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

**Williams, Monique (NZL) (1985)**

**Semi-Final 3 - 2009 IAAF World Championships (Berlin, GER)** *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 20-Aug-09 time 6.42 11.51 16.79 22.90 22.90 6 / 3  
 reaction time 0.180 interval 5.09 5.28 6.11 **NR** # of strides 11.51 11.39 0.12  
 wind 0.5 m/s velocity 7.79 9.82 9.47 8.18 8.73 8.69 8.78

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

date 19-Aug-09 time 6.41 11.53 17.01 22.96 22.96 5 / 2  
 reaction time 0.144 interval 5.12 5.48 5.95 **NR** # of strides 11.53 11.43 0.10  
 wind 0.0 m/s velocity 7.80 9.77 9.12 8.40 8.71 8.67 8.75

**Williams, Sa'de (USA) (1989)**

**FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)** *USATF Women's Sprint Development (2006)*  
 date 23-Jun-06 time 6.64 11.99 17.58 23.54 23.54 8 / 7  
 reaction time interval 5.35 5.59 5.96 # of strides 11.99 11.55 0.44  
 wind 0.9 m/s velocity 7.53 9.35 8.94 8.39 8.50 8.34 8.66

**Williams, Sherika (JAM) (1985)**

**A FINAL - 2015 Windsprint (Sundsvall, SWE)** *(2015) - [www.windsprint/Splittider/](http://www.windsprint/Splittider/)*  
 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

**Williams, Tameka (SKN) (1989)**

**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

**Wilson, Latoria (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 0.30  
 wind 1.3 m/s velocity 7.62 9.33 9.07 8.18 8.50 8.39 8.61

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

**Wisil, Toea (PNG) (1988)**

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)** *Takahashi (2017) - 200m running performance analysis in the 2017 season*  
 date 21-May-17 time 6.30 11.49 17.10 23.40 23.40 6 / 3  
 reaction time 0.157 interval 5.19 5.61 6.30 # of strides 11.49 11.91 -0.42  
 wind 0.6 m/s velocity 7.94 9.63 8.91 7.94 8.55 103.5 8.70 8.40

**Wisse, Yvonne (NED) (1982)**

**Heptathlon - Heat 1 - 2009 IAAF World Championships (Berlin, GER)** *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 15-Aug-09 time 6.84 12.28 18.26 24.78 24.78 6 / 8  
 reaction time 0.173 interval 5.44 5.98 6.52 # of strides 12.28 12.50 -0.22  
 wind 0.0 m/s velocity 7.31 9.19 8.36 7.67 8.07 8.14 8.00

**Wittstock, Estie (RSA) (1980)**

**FINAL - 2012 Windsprint (Sundsvall, SWE)** *(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)*  
 date 17-Jun-12 time 12.21 23.90 23.90 / 4  
 reaction time interval 11.69 # of strides 12.21 11.69 0.52  
 wind 2.2 m/s velocity 8.19 4.18 8.37 8.19 8.55

**Wöckel, Bärbel (GDR) (1955)**

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

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

**FINAL - 1984 Olympischen Tag (Potsdam, GDR)***Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdenisziplinen 1981/84*

date	21-Jul-84	time	11.27	21.85	21.85	/ 2			
reaction time		interval		10.58	<b>PB</b>	# of strides	11.27	10.58	0.69
wind	0.3 m/s	velocity	8.87	9.45	9.15		8.87	9.45	

*Eckert-Wöckel. Bärbel (GDR) (1955)***FINAL - 1980 Olympic Games (Moscow, URS)***Veney - 200m women from PJ*

date	30-Jul-80	time	11.46	16.59	22.03	22.03	1 / 1		
reaction time		interval		5.13	5.44	<b>OR</b>	# of strides	11.46	10.57
wind	1.4 m/s	velocity	8.73	9.75	9.19	9.08	101.5	8.73	9.46

**FINAL - 1976 Olympic Games (Montreal, CAN)***Breizer (1984) - sprint competition analysis*

date	28-Jul-76	time	11.32	16.82	22.37	22.37	2 / 1		
reaction time		interval		5.50	5.55	<b>OR</b>	# of strides	11.32	11.05
wind	0.0 m/s	velocity	8.83	9.09	9.01	8.94		8.83	9.05

**Semi-Final 2 - 1976 Olympic Games (Montreal, CAN)***Lamare (1976) - les jeux de la XXI olympia, Montreal 1976*

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	

**Yamada, Akari (JPN) (1992)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2009 Japanese National High School Championships (Nara, JPN)***Matsuo (2009) - 62nd high school championships: JAF scientific committee*

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

**Yamada, Eri (JPN) (1993)**

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

date	06-Aug-11	time	6.67	13.47	18.20	24.63	24.63	/ 3	
reaction time		interval		6.80	4.73	6.43		# of strides	13.47
wind	0.0 m/s	velocity	7.50	7.35	10.57	7.78	8.12		7.42

**Yamada, Miki (JPN) (1999)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**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	3 / 8	
reaction time		interval		5.47	5.91	6.29		# of strides	12.19
wind	0.5 m/s	velocity	7.44	9.14	8.46	7.95	8.20	105.7	8.20

**A FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Kobayashi (2019) - research on athlete performance technique- 2019 databook*

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
wind	-1.2 m/s	velocity	7.49	9.11	8.59	7.84	8.21	104.0	8.22

**FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	24-Jun-18	time	6.71	12.15	17.79	23.92	23.92	3 / 3	
reaction time		interval		5.44	5.64	6.13	<b>PB</b>	# of strides	12.15
wind	1.1 m/s	velocity	7.45	9.19	8.87	8.16	8.36		8.23

**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		interval		5.94	5.77	6.41		# of strides	12.25
wind	-0.2 m/s	velocity	7.92	8.42	8.67	7.80	8.19		8.16

**Yamada, Miku (JPN) (1999)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 1 - 2019 Asian Athletics Championships (Doha, QAT)***Takahashi (2019) - race analysis top 200m athletes- domestic and international*

date	23-Apr-19	time	6.59	12.00	17.82	24.09	24.09	2 / 5	
reaction time		interval		5.41	5.82	6.27		# of strides	12.00
wind	1.0 m/s	velocity	7.59	9.24	8.59	7.97	8.30		8.33

**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		interval		5.72	5.92	6.46		# of strides	12.70
wind	1.5 m/s	velocity	7.16	8.74	8.45	7.74	7.97		7.87

**Yamagata, Aiha (JPN) (2005)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2022 Japanese National High School Championships (Naruto, JPN)***shima (2022) - national high school championships biomechanics data collection*

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



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	

**FINAL** - 2021 Japanese High School National Championships (Fukui, JPN) *Shibayama (2021) - national high school and U20 national championships*

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	0.57
wind	2.2 m/s	velocity	8.04	8.32	8.82	8.35	8.37		8.18	8.58	

### Yamasaki, Yuki (JPN) (1995)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Heptathlon - FINAL</b> - 2022 Japanese Multi-Event National Championships (Akita, JPN) <i>Takefu (2023) - performance analysis of heptathletes in the 2022 season</i>											
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	-0.30
wind	0.9 m/s	velocity	7.28	8.79	8.22	7.37	7.87		7.96	7.78	

**Heptathlon - Heat 1** - 2022 Michitaka Kinami Memorial (Osaka, JPN)

*Takefu (2023) - performance analysis of heptathletes in the 2022 season*

date	30-Apr-22	time	6.75	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	

**Heptathlon - Heat 3** - 2020 Japanese Multi-Event National Championships (Nagano, JPN) *Matsubayashi (2020) - research athlete performance technique- 2020 databook*

date	26-Sep-20	time	6.78	12.42	18.34	24.81	24.81	5 / 1			
reaction time		interval		5.64	5.92	6.47		# of strides	12.42	12.39	0.03
wind	1.1 m/s	velocity	7.37	8.87	8.45	7.73	8.06		8.05	8.07	

**Heptathlon - Heat 3** - 2019 Japanese National Multi-Event Championships (Nagano, JPN) *Matsubayashi (2019) - research on athlete performance and technique*

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	0.07
wind	3.2 m/s	velocity	7.34	8.88	8.42	7.78	8.06		8.04	8.08	

**Heptathlon - Heat 3** - 2018 Japanese National Multi-Event Championships (Nagano, JPN) *Matsubayashi (2018) - research on athlete performance and technique*

date	16-Jun-18	time	6.82	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	

**Heptathlon - Heat 3** - 2018 Tokyo Combined Event Meeting (Tokyo, JPN)

*Matsubayashi (2018) - research on athlete performance and technique*

date	21-Apr-18	time	6.75	12.47	18.33	25.22	25.22	3 / 2			
reaction time		interval		5.72	5.86	6.89		# of strides	12.47	12.75	-0.28
wind	-0.4 m/s	velocity	7.41	8.74	8.53	7.26	7.93		8.02	7.84	

### Yanagiya, Tomomi (JPN) (1999)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>C FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN) <i>Kobayashi (2019) - research on athlete performance technique- 2019 databook</i>											
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	0.23
wind	-0.3 m/s	velocity	7.44	9.12	8.73	8.01	8.27		8.20	8.35	

**FINAL** - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)

*Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.73	12.17	17.92	24.25	24.25	7 / 5			
reaction time	0.169	interval		5.44	5.75	6.33		# of strides	12.17	12.08	0.09
wind	1.5 m/s	velocity	7.43	9.19	8.70	7.90	8.25		8.22	8.28	

### Yoshida, Sayumi (JPN) (1997)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Race 2</b> - 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	<b>PB</b>	# of strides	12.04	11.99	0.05
wind	-0.7 m/s	velocity	7.52	9.28	8.68	8.03	8.32		8.31	8.34	

### Yosypenko, Lyudmyla (UKR) (1984)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Heptathlon - Heat 1</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	15-Aug-09	time	6.67	12.01	17.64	23.86	23.86	5 / 2			
reaction time	0.177	interval		5.34	5.63	6.22		# of strides	12.01	11.85	0.16
wind	0.0 m/s	velocity	7.50	9.36	8.88	8.04	8.38		8.33	8.44	

### Young, Jessica (USA) (1987)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2006 USATF National Junior Championships (Indianapolis, IN) <i>USATF Women's Sprint Development (2006)</i>										
date	23-Jun-06	time	6.64	12.01	17.60	23.50	23.50	2 / 6		

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

reaction time	interval	5.37	5.59	5.90	<b>PB</b>	# 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

**Young-Stone, Dannette (USA) (1964)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
*USATF Women's Sprint Development (1996)*

FINAL - 1996 USA Olympic Trials (Atlanta, GA)	date	23-Jun-96	time	11.27	16.48	22.18	22.18	5 / 2			
	reaction time	interval	5.21	5.70	<b>PB</b>	# 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		

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

date	22-Jun-96	time	11.39	16.68	22.31	22.31	3 / 1			
reaction time	interval	5.29	5.63	<b>PB</b>	# 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		

**FINAL - 1995 USATF National Championships (Sacramento, CA)** *USATF Women's Sprint Development (1995)*

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	0.35		
wind	2.3 m/s	velocity	7.69	9.38	9.11	8.35	8.58	8.45	8.71	

**FINAL - 1993 IAAF World Championships (Stuttgart, GER)** *Veney - 200m women from PJ*

date	19-Aug-93	time	6.66	11.88	17.26	23.04	23.04	1 / 8		
reaction time	0.189	interval	5.22	5.38	5.78	# of strides	11.88	11.16	0.72	
wind	0.0 m/s	velocity	7.51	9.58	9.29	8.65	8.68	8.42	8.96	

**Young, Dannette (USA) (1964)**

**FINAL - 1991 IAAF World Championships (Tokyo, JPN)** *Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	30-Aug-91	time	11.48			22.87	22.87	6 / 6		
reaction time	interval				11.39	# of strides	11.48	11.39	0.09	
wind	-2.4 m/s	velocity	8.71			8.78	8.75	101.2	8.71	8.78

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

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		

**Yuan Qiqi (CHN) (1995)**

**Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)** *CAA Hurdle Development (2021)*

date	12-Jun-21	time	12.43			25.30	25.30	2 / 6		
reaction time	0.199	interval			12.87	# of strides	12.43	12.87	-0.44	
wind	-0.2 m/s	velocity	8.05			7.77	7.91	119.7	8.05	7.77

**Yuasa, Kanako (JPN) (1997)**

**Race 2 - 2020 World Athletics Trials (Fuji, JPN)** *Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	06-Sep-20	time	6.56	12.07	17.93	24.21	24.21	3 / 6		
reaction time	interval	5.51	5.86	6.28	# of strides	12.07	12.14	-0.07		
wind	-0.7 m/s	velocity	7.62	9.07	8.53	7.96	8.26	8.29	8.24	

**B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)** *Kobayashi (2019) - research on athlete performance technique- 2019 databook*

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

**FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)** *Enomoto (2015) - 68th high school championships: JAF scientific committee*

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	

**Yusuf, Fatima (NGR) (1971)**

**FINAL - 1999 IAAF World Championships (Sevilla, ESP)** *Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	27-Aug-99	time	6.30	11.37	16.68	22.42	22.42	7 / 6		
reaction time	0.147	interval	5.07	5.31	5.74	# of strides	11.37	11.05	0.32	
wind	0.6 m/s	velocity	7.94	9.86	9.42	8.71	8.92	8.80	9.05	

**Zamzow-Mahler, Ashtin (USA) (1996)**

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

date	17-Jul-22	time	12.25			25.15	25.15	7 / 7		
reaction time	0.170	interval			12.90	# of strides	12.25	12.90	-0.65	

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

wind 1.5 m/s velocity 8.16 7.75 7.95 102.0 8.16 7.75

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Zaytseva, Olga (RUS) (1984)</b>											
<b>Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)</b>		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	20-Aug-09	time	6.47	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	
<b>Heat 3 - 2009 IAAF World Championships (Berlin, GER)</b>		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	19-Aug-09	time	6.51	11.76	17.32	23.28	23.28	4 / 4			
reaction time	0.178	interval		5.25	5.56	5.96		# of strides	11.76	11.52	0.24
wind	0.0 m/s	velocity	7.68	9.52	8.99	8.39	8.59		8.50	8.68	
<b>Zhang Xiaoqiong (CHN) (1966)</b>											
<b>FINAL - 1989 IAAF World Cup (Barcelona, ESP)</b>		<i>Pascua (1990) - atletismo (I) carreras y marcha</i>									
date	08-Sep-89	time	12.22	18.06	24.25	24.25		/ 8			
reaction time		interval		5.84	6.19			# of strides	12.22	12.03	0.19
wind	0.2 m/s	velocity	8.18	8.56	8.08	8.25			8.18	8.31	
<b>Zhirova, Marina (URS) (1963)</b>											
<b>FINAL - 1986 European Championships (Stuttgart, FRG)</b>		<i>Veney - 200m women from PJ</i>									
date	29-Jun-86	time	11.66		23.18	23.18		2 / 8			
reaction time	0.199	interval			11.52			# of strides	11.66	11.52	0.14
wind	-0.8 m/s	velocity	8.58		8.68	8.63			8.58	8.68	
<b>FINAL - 1985 World Cup (Canberra, AUS)</b>		<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	
<b>Zhou Yanbing (CHN) (1996)</b>											
<b>FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)</b>		<i>Jiang (2019) - data analysis women's sprint finals the world championships trials</i>									
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	-0.04
wind	0.2 m/s	velocity	7.62	9.07	8.50	8.03	8.27		8.29	8.26	
<b>Zhu Cuiwei (CHN) (2000)</b>											
<b>Heat 2 - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>		<i>CAA Hurdle Development (2021)</i>									
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		106.5	8.33	7.87	
<b>Zhu Cuiyan (CHN) (2000)</b>											
<b>Heat 1 - 2020 Chinese Olympic Trials (Shaoxing, CHN)</b>		<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	-0.31
wind	-0.2 m/s	velocity	8.24		8.03	8.13		104.5	8.24	8.03	
<b>Züblin, Linda (SUI) (1986)</b>											
<b>Heptathlon - Heat 3 - 2009 IAAF World Championships (Berlin, GER)</b>		<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	-0.42
wind	-0.2 m/s	velocity	7.43	8.96	8.32	7.44	7.99		8.12	7.86	