

Women's 100m Split Times - by athlete

LAST UPDATE: 29-Sep-23

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Abe, Hidemi (JPN) (1990)																		
FINAL - 2007 Japanese National High School Championships (Saga, JPN) <i>Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics data</i>																		
date	03-Aug-07	time	3.28	4.38	5.45	6.52	7.59	8.67	9.76	10.85	12.01	12.01	4 / 5					
reaction time		interval		1.10	1.07	1.07	1.07	1.08	1.09	1.09	1.16		# of strides	4.38	3.21	3.26		
wind	1.3 m/s	velocity	6.10	9.09	9.35	9.35	9.35	9.26	9.17	9.17	8.62	8.33		6.85	9.35	9.20		
Abinusawa, Moforehan (USA) (2003)																		
U20 FINAL - 2020 Millrose Games (New York, NY) <i>PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/</i>																		
date	08-Feb-20	time	2.24	3.33	4.38	5.39	6.41	7.43				7.43	4 / 2					
reaction time		interval		1.09	1.05	1.01	1.02	3.05					# of strides	4.38	3.05			
		velocity	4.46	9.17	9.52	9.90	9.80	9.84				8.08		6.85	9.84			
Adachi, Marin (JPN) (2003)																		
FINAL - 2020 Japanese National Championships (Niigata, JPN) <i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>																		
date	02-Oct-20	time	2.01	3.19	4.28	5.33	6.38	7.43	8.49	9.57	10.67	11.80	11.80	7 / 6				
reaction time	0.112	interval		1.18	1.09	1.05	1.05	1.05	1.06	1.08	1.10	1.13		# of strides	4.28	3.15	3.24	
wind	0.5 m/s	velocity	4.98	8.47	9.17	9.52	9.52	9.52	9.43	9.26	9.09	8.85	8.47		7.01	9.52	9.26	
FINAL - 2020 World Athletics Trials (Fuji, JPN) <i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>																		
date	06-Sep-20	time	2.06	3.26	4.35	5.40	6.45	7.49	8.55	9.62	10.72	11.84	11.84	/ 3				
reaction time		interval		1.20	1.09	1.05	1.05	1.04	1.06	1.07	1.10	1.12		# of strides	4.35	3.14	3.23	
wind	1.4 m/s	velocity	4.85	8.33	9.17	9.52	9.52	9.62	9.43	9.35	9.09	8.93	8.45		6.90	9.55	9.29	
Adachi, Sayaka (JPN) (1996)																		
FINAL - 2018 National Sports Festival (Fukui, JPN) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																		
date	06-Oct-18	time	2.15	3.45	4.63	5.76	6.88	7.98	9.08	10.20	11.32	12.46	12.46	1 / 8				
reaction time	0.148	interval		1.30	1.18	1.13	1.12	1.10	1.10	1.12	1.12	1.14		# of strides	4.63	3.35	3.34	
wind	-2.8 m/s	velocity	4.65	7.69	8.47	8.85	8.93	9.09	9.09	8.93	8.93	8.77	8.03		56.0	6.48	8.96	8.98
FINAL - 2014 Japanese National High School Championships (Kofu, JPN) <i>Yanagiya (2014) - research on athlete performance and technique- 2014 data book</i>																		
date	31-Jul-14	time	2.15	3.36	4.48	5.57	6.64	7.72	8.81	9.90	11.01	12.19	12.19	/ 4				
reaction time		interval		1.21	1.12	1.09	1.07	1.08	1.09	1.09	1.11	1.18		# of strides	4.48	3.24	3.29	
wind	-2.4 m/s	velocity	4.65	8.26	8.93	9.17	9.35	9.26	9.17	9.17	9.01	8.47	8.20		6.70	9.26	9.12	
Adachi, Yuha (JPN) (2002)																		
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN) <i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>																		
date	04-Oct-19	time			4.41		6.59				12.15	12.15	3 / 7					
reaction time	0.162	interval				2.18					5.56		# of strides	4.41				
wind	-1.5 m/s	velocity			6.80	3.03					8.99	8.23		54.0	6.80			
Adamek, Klaudia (POL) (1999)																		
B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI) <i>Omega Timing (2021) - diamond league race analysis</i>																		
date	26-Aug-21	time		3.3		5.4		7.4		9.5		11.53	11.53	2 / 8				
reaction time	0.137	interval			2.10		2.00		2.10		2.03		# of strides					
wind	2.7 m/s	velocity		6.06		9.52		10.00		9.52		9.85	8.67					
Adlerová, Kristyna (CZE) (1996)																		
Heat 3 - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time		3.70		6.15		8.53		10.96		13.48	13.48	7 / 6				
reaction time	0.368	interval			2.45		2.38		2.43		2.52		# of strides					
wind	-3.0 m/s	velocity		5.41		8.16		8.40		8.23		7.94	7.42					
Adriansson, Hanna (SWE) (1992)																		
A FINAL - 2014 Windsprint (Sundsvall, SWE) <i>(2014) - www.ssg.se/windsprint/Splittider/</i>																		
date	20-Jul-14	time		4.43			7.59		9.73		11.92	11.92		7 / 5				
reaction time		interval					3.16		2.14		2.19		# of strides	4.43	3.16			
wind	1.2 m/s	velocity		6.77			9.49		9.35		9.13	8.39			6.77	9.49		
A FINAL - 2013 Windsprint (Sundsvall, SWE) <i>(2013) - www.ssg.se/windsprint/Splittider/</i>																		
date	28-Jul-13	time		4.42			7.54		9.68		11.91	11.91		8 / 8				
reaction time		interval					3.12		2.14		2.23		# of strides	4.42	3.12			
wind	2.2 m/s	velocity		6.79			9.62		9.35		8.97	8.40			6.79	9.62		
B FINAL - 2010 Windsprint (Sundsvall, SWE) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>																		
date	08-Aug-10	time		4.47			7.64		9.78		12.02	12.02		/ 3				
reaction time		interval					3.17		2.14		2.24		# of strides	4.47	3.17			
wind	2.2 m/s	velocity		6.71			9.46		9.35		8.93	8.32			6.71	9.46		
Agren, Tove (SWE) (1996)																		

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

D FINAL - 2013 Windsprint (Sundsvall, SWE)(2013) - www.ssg.se/windsprint/Splittider/

date	28-Jul-13	time	4.52	7.77	9.97	12.22	12.22	5 / 2
reaction time		interval		3.25	2.20	2.25	# of strides	4.52 3.25
wind	2.7 m/s	velocity	6.64	9.23	9.09	8.89	8.18	6.64 9.23

Ahouré-Demps, Murielle (CIV) (1987)**FINAL - 2023 Athletissima (Lausanne, SUI)** *Omega Timing (2023) - diamond league race analysis*

date	30-Jun-23	time	2.02	3.17	4.21	5.21	6.21	7.20	8.20	9.20	10.22	11.27	11.27	1 / 7
reaction time	0.145	interval		1.15	1.04	1.00	1.00	0.99	1.00	1.00	1.02	1.05	# of strides	4.21 2.99 3.02
wind	-0.8 m/s	velocity	4.95	8.70	9.62	10.00	10.00	10.10	10.00	10.00	9.80	9.52	51.0	7.13 10.03 9.93

Ahouré, Murielle (CIV) (1987)**FINAL - 2017 IAAF World Championships (London, GBR)** *Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m*

date	06-Aug-17	time	2.01	3.15	4.18	5.14	6.10	7.07	8.00	8.97	9.96	10.98	10.98	8 / 4
reaction time	0.184	interval		1.14	1.03	0.96	0.96	0.97	0.93	0.97	0.99	1.02	# of strides	4.18 2.89 2.89
wind	-0.1 m/s	velocity	4.98	8.77	9.71	10.42	10.42	10.31	10.75	10.31	10.10	9.80	52.4	7.18 10.38 10.38

Ahye, Michelle-Lee (TTO) (1992)**FINAL - 2023 FBK Games (Hengelo, NED)** *Omega Timing (2023) - continental tour race analysis*

date	04-Jun-23	time	2.01	3.17	4.23	5.23	6.23	7.22	8.22	9.23	10.27	11.35	11.35	7 / 8
reaction time		interval		1.16	1.06	1.00	1.00	0.99	1.00	1.01	1.04	1.08	# of strides	4.23 2.99 3.05
wind	-0.1 m/s	velocity	4.98	8.62	9.43	10.00	10.00	10.10	10.00	9.90	9.62	9.26	51.0	7.09 10.03 9.84

FINAL - 2017 IAAF World Championships (London, GBR)*Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m*

date	06-Aug-17	time	2.02	3.19	4.23	5.19	6.14	7.09	8.05	9.02	10.01	11.01	11.01	3 / 6
reaction time	0.151	interval		1.17	1.04	0.96	0.95	0.95	0.96	0.97	0.99	1.00	# of strides	4.23 2.86 2.92
wind	-0.1 m/s	velocity	4.95	8.55	9.62	10.42	10.53	10.53	10.42	10.31	10.10	10.00	50.5	7.09 10.49 10.27

Akinosun, Morolake (USA) (1994)**FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)** *Omega Timing (2023) - diamond league race analysis*

date	02-Jun-23	time	2.04	3.19	4.24	5.23	6.21	7.18	8.16	9.13	10.14	11.20	11.20	6 / 4
reaction time	0.161	interval		1.15	1.05	0.99	0.98	0.97	0.98	0.97	1.01	1.06	# of strides	4.24 2.94 2.96
wind	-0.4 m/s	velocity	4.90	8.70	9.52	10.10	10.20	10.31	10.20	10.31	9.90	9.43	53.2	7.08 10.20 10.14

FINAL - 2020 Millrose Games (New York, NY)*PrimeTime Timing (2020) - <http://results.nyrrmillrosegames.org/>*

date	08-Feb-20	time	2.16	3.24	4.45		7.16						7.16	3 / 2
reaction time	0.191	interval		1.08	1.21		2.71						# of strides	4.45 2.71
		velocity	4.63	9.26	8.26		11.07						8.38	34.0 6.74 11.07

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

date	09-Sep-19	time				6.47						11.39	11.39	8 / 3
reaction time	0.174	interval										4.92	# of strides	
wind	-0.8 m/s	velocity				7.73						10.16	8.78	53.7

Akinyemi, Folake (NOR) (1990)**FINAL - 2011 Windsprint (Sundsvall, SWE)** *(2011) - www.ssg.se/en/Windsprint/Split-times/*

date	31-Jul-11	time		4.39			7.54		9.65		11.85	11.85	2 / 5
reaction time		interval					3.15		2.11		2.20	# of strides	4.39 3.15
wind	0.2 m/s	velocity		6.83			9.52		9.48		9.09	8.44	6.83 9.52

Alexander, Erica (USA) (1990)**FINAL - 2008 USATF National Junior Championships (Columbus, OH)** *USATF Women's Sprint Development with HPC (2008)*

date	20-Jun-08	time	2.13	3.21	4.30	5.32	6.34	7.36	8.38	9.45	10.52	11.59	11.59	3 / 6
reaction time		interval		1.08	1.09	1.02	1.02	1.02	1.02	1.07	1.07	1.07	# of strides	4.30 3.06 3.16
wind	1.3 m/s	velocity	4.69	9.26	9.17	9.80	9.80	9.80	9.80	9.35	9.35	9.35	8.63	6.98 9.80 9.49

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

date	22-Jun-06	time	2.10	3.27	4.30	5.30	6.31	7.36	8.34	9.38	10.43	11.52	11.52	8 / 7
reaction time		interval		1.17	1.03	1.00	1.01	1.05	0.98	1.04	1.05	1.09	# of strides	4.30 3.06 3.07
wind	1.2 m/s	velocity	4.76	8.55	9.71	10.00	9.90	9.52	10.20	9.62	9.52	9.17	8.68	6.98 9.80 9.77

Alfred, Julien (LCA) (2001)**FINAL - 2022 Commonwealth Games (Birmingham, GBR)** *Longines Timing (2022) - commonwealth games race analysis*

date	03-Aug-22	time		3.1		5.0		7.0		8.9		11.01	11.01	6 / 2
reaction time	0.139	interval				1.90		2.00		1.90		2.11	# of strides	
wind	0.4 m/s	velocity		6.45		10.53		10.00		10.53		9.48	9.08	51.2

Alfredsson, Marine (SWE) (1993)**D FINAL - 2012 Windsprint (Sundsvall, SWE)** *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	17-Jun-12	time		4.57			7.82		10.04		12.35	12.35	/ 1
reaction time		interval					3.25		2.22		2.31	# of strides	4.57 3.25
wind	1.5 m/s	velocity		6.56			9.23		9.01		8.66	8.10	6.56 9.23

B FINAL - 2009 Windsprint (Sundsvall, SWE)(2009) - www.ssg.se/en/Windsprint/Split-times/

date	25-Jul-09	time	4.67	8.01	10.26	12.63	12.63	/ 5		
reaction time		interval		3.34	2.25	2.37		# of strides	4.67	3.34
wind	2.5 m/s	velocity	6.42	8.98	8.89	8.44	7.92		6.42	8.98

Al-Gasara, Rakia (BRN) (1982)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	16-Aug-09	time	3.32	4.37	5.39	7.42	9.42	11.49	11.49	4 / 3		
reaction time	0.199	interval		1.05	1.02	2.03	2.00	2.07	DV	# of strides	4.37	3.05
wind	-0.1 m/s	velocity	6.02	9.52	9.80	9.85	10.00	9.66	8.70		6.86	9.84

Al-Khalidi, Hajar Saad (BRN) (1995)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2018 Asian Games (Jakarta, INA)Takahashi (2019) - *running performance analysis women's 100m leading sprinters- world, asia, and japan*

date	26-Aug-18	time	1.99	3.14	4.19	5.21	6.22	7.22	8.24	9.26	10.31	11.38	11.38	3 / 4		
reaction time	0.127	interval		1.15	1.05	1.02	1.01	1.00	1.02	1.02	1.05	1.07		# of strides	4.19	3.03
wind	0.3 m/s	velocity	5.03	8.70	9.52	9.80	9.90	10.00	9.80	9.80	9.52	9.35	8.79	51.9	7.16	9.90

Allen, Liliana (CUB) (1970)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 1 - 1996 International French Championships (Bercy, FRA)Gajer (1996) - *analyse des frequences, amplitudes et vitesse pour les courses de 60m*

date	10-Feb-96	time	2.00	3.28	4.36	5.43	6.47	7.53				7.53	/ 5		
reaction time		interval		1.28	1.08	1.07	1.04	1.06					# of strides	4.36	3.17
		velocity	5.00	7.81	9.26	9.35	9.62	9.43						6.88	9.46

FINAL - 1992 Olympic Games (Barcelona, ESP)Arnold (1992) - *1992 Olympic report: 100m men*

date	01-Aug-92	time	3.10		5.13	7.11	9.13	11.19	11.19	1 / 8		
reaction time	0.174	interval			2.03	1.98	2.02	2.06		# of strides		
wind	-1.0 m/s	velocity	6.45		9.85	10.10	9.90	9.71	8.94	48.0		

FINAL - 1990 Goodwill Games (Seattle, WA)Lyle (1990) - *goodwill games women's 100m splits*

date	24-Jul-90	time	2.04	3.19	4.22	5.26	6.24	7.22	8.24	10.32	11.39	11.50	8 / 7		
reaction time		interval		1.15	1.03	1.04	0.98	0.98	1.02	2.08	1.07		# of strides	4.22	3.00
wind	0.0 m/s	velocity	4.90	8.70	9.71	9.62	10.20	10.20	9.80	9.62	9.35	8.70		7.11	10.00

Alozie, Glory (ESP) (1977)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	07-Aug-02	time	3.21	4.26	5.28	7.26	9.26	11.32	11.32	/ 4		
reaction time	0.150	interval		1.05	1.02	1.98	2.00	2.06		# of strides	4.26	3.00
wind	-0.7 m/s	velocity	6.23	9.52	9.80	10.10	10.00	9.71	8.83		7.04	10.00

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

date	07-Aug-02	time	3.19	4.25	5.27	7.24	9.23	11.32	11.32	/ 2		
reaction time	0.142	interval		1.06	1.02	1.97	1.99	2.09		# of strides	4.25	2.99
wind	0.0 m/s	velocity	6.27	9.43	9.80	10.15	10.05	9.57	8.83		7.06	10.03

Heat 1 - 2002 European Championships (Munich, GER)Graubner (2009) - <http://www.fgs.uni-halle.de>

date	06-Aug-02	time	3.22	4.27	5.29	7.28	9.30	11.42	11.42	/ 1		
reaction time	0.155	interval		1.05	1.02	1.99	2.02	2.12		# of strides	4.27	3.01
wind	0.1 m/s	velocity	6.21	9.52	9.80	10.05	9.90	9.43	8.76		7.03	9.97

Al-Shammari, Mudhawi (KUW) (1998)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	28-May-21	time	3.3		5.5	7.6	9.7	11.88	11.88	1 / 8		
reaction time	0.177	interval			2.20	2.10	2.06	2.22	NR PB	# of strides		
wind	1.1 m/s	velocity	6.06		9.09	9.52	9.71	9.01	8.42	52.5		

Alstermark, Linnéa (SWE) (1992)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

B FINAL - 2010 Windsprint (Sundsvall, SWE)(2010) - www.ssg.se/en/Windsprint/Split-times/

date	08-Aug-10	time	4.44		7.64	9.83	12.12	12.12	/ 6		
reaction time		interval			3.20	2.19	2.29		# of strides	4.44	3.20
wind	2.2 m/s	velocity	6.76		9.38	9.13	8.73	8.25		6.76	9.38

Anderberg, Nikki (SWE) (2002)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

National FINAL - 2021 Bauhaus Galan (Stockholm, SWE)Omega Timing (2021) - *diamond league race analysis*

date	04-Jul-21	time	3.4		5.5	7.6	9.7	11.97	11.97	3 / 7		
reaction time	0.153	interval			2.10	2.10	2.10	2.27		# of strides		
wind	-1.3 m/s	velocity	5.88		9.52	9.52	9.52	8.81	8.35	48.0		

Anderson, Alexandria (USA) (1987)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

USATF Women's Sprint Development with HPC (2008)

date	28-Jun-08	time	2.14	3.24	4.22	5.24	6.20	7.16	8.07	9.08	10.07	11.07	11.07	2 / 7		
reaction time		interval		1.10	0.98	1.02	0.96	0.96	0.91	1.01	0.99	1.00	PB	# of strides	4.22	2.94
wind	1.8 m/s	velocity	4.67	9.09	10.20	9.80	10.42	10.42	10.99	9.90	10.10	10.00	9.03	46.5	7.11	10.20

Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	27-Jun-08	time	2.14	3.24	4.25	5.22	6.14	7.07	8.04	8.99	9.96	10.98	10.98	6 / 4			
reaction time		interval		1.10	1.01	0.97	0.92	0.93	0.97	0.95	0.97	1.02		# of strides	4.25	2.82	2.89
wind	3.4 m/s	velocity	4.67	9.09	9.90	10.31	10.87	10.75	10.31	10.53	10.31	9.80	9.11		7.06	10.64	10.38
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	27-Jun-08	time	2.10	3.22	4.25	5.23	6.19	7.14	8.09	9.07	10.06	11.08	11.08	5 / 2			
reaction time		interval		1.12	1.03	0.98	0.96	0.95	0.95	0.98	0.99	1.02		# of strides	4.25	2.89	2.92
wind	2.2 m/s	velocity	4.76	8.93	9.71	10.20	10.42	10.53	10.53	10.20	10.10	9.80	9.03		7.06	10.38	10.27
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)														<i>USATF Women's Sprint Development (2006)</i>			
date	22-Jun-06	time	2.12	3.25	4.26	5.25	6.19	7.18	8.14	9.13	10.11	11.12	11.12	3 / 1			
reaction time		interval		1.13	1.01	0.99	0.94	0.99	0.96	0.99	0.98	1.01		# of strides	4.26	2.92	2.93
wind	1.2 m/s	velocity	4.72	8.85	9.90	10.10	10.64	10.10	10.42	10.10	10.20	9.90	8.99		7.04	10.27	10.24
FINAL - 2005 USATF National Junior Championships (Carson, CA)														<i>USATF Women's Sprint Development (2005)</i>			
date	23-Jun-05	time	2.18	2.34	4.41	5.46	6.54	7.53	8.58	9.60	10.63	11.69	11.69	5 / 3			
reaction time		interval		0.16	2.07	1.05	1.08	0.99	1.05	1.02	1.03	1.06		# of strides	4.41	3.12	3.10
wind	-1.1 m/s	velocity	4.59	62.50	4.83	9.52	9.26	10.10	9.52	9.80	9.71	9.43	8.55		6.80	9.62	9.68
Anderson, Andrea (USA) (1977)																	
FINAL - 1996 USATF National Junior Championships (Delaware, OH)														<i>USATF Women's Sprint Development (1996)</i>			
date	28-Jun-96	time	2.20		4.40		6.28	7.29			10.42	11.64	11.64	3 / 3			
reaction time		interval			2.20		1.88	1.01			3.13	1.22		# of strides	4.40	2.89	3.13
wind	0.5 m/s	velocity	4.55		9.09		10.64	9.90			9.58	8.20	8.59		6.82	10.38	9.58
Anderson, Shani (GBR) (1975)																	
B FINAL - 2001 European Cup (Bremen, GER)														<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>			
date	23-Jun-01	time		3.30	4.37	5.41		7.42		9.42		11.69	11.69	1 / 5			
reaction time		interval			1.07	1.04		2.01		2.00		2.27		# of strides	4.37	3.05	
wind	1.8 m/s	velocity		6.06	9.35	9.62		9.95		10.00		8.81	8.55		6.86	9.84	
Andrysková, Pavla (CZE) (1978)																	
FINAL - 2001 European Cup (Bremen, GER)														<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>			
date	23-Jun-01	time		3.34	4.42	5.46		7.50		9.57		11.73	11.73	1 / 7			
reaction time		interval			1.08	1.04		2.04		2.07		2.16		# of strides	4.42	3.08	
wind	2.8 m/s	velocity		5.99	9.26	9.62		9.80		9.66		9.26	8.53		6.79	9.74	
Anim, Vida (GHA) (1983)																	
Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)														<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>			
date	17-Aug-09	time		3.19	4.24	5.25		7.30		9.33		11.43	11.43	1 / 6			
reaction time		interval			1.05	1.01		2.05		2.03		2.10		# of strides	4.24	3.06	
wind	-0.1 m/s	velocity		6.27	9.52	9.90		9.76		9.85		9.52	8.75		7.08	9.80	
Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)														<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>			
date	16-Aug-09	time		3.15	4.20	5.22		7.25		9.26		11.34	11.34	6 / 4			
reaction time		interval			1.05	1.02		2.03		2.01		2.08		# of strides	4.20	3.05	
wind	0.8 m/s	velocity		6.35	9.52	9.80		9.85		9.95		9.62	8.82		50.2	7.14	9.84
Heat 2 - 2009 IAAF World Championships (Berlin, GER)														<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>			
date	16-Aug-09	time		3.21	4.26	5.27		7.28		9.29		11.38	11.38	8 / 2			
reaction time		interval			1.05	1.01		2.01		2.01		2.09		# of strides	4.26	3.02	
wind	-0.3 m/s	velocity		6.23	9.52	9.90		9.95		9.95		9.57	8.79		7.04	9.93	
B FINAL - 2009 ISTAF (Berlin, GER)														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
date	14-Jun-09	time		3.22	4.28	5.30		7.33		9.39		11.46	11.46	1 / 1			
reaction time		interval			1.06	1.02		2.03		2.06		2.07		# of strides	4.28	3.05	
wind	0.1 m/s	velocity		6.21	9.43	9.80		9.85		9.71		9.66	8.73		7.01	9.84	
Anye, Michelle-Lee (TTO) (1992)																	
FINAL - 2022 Meeting de Paris (Paris, FRA)														<i>Omega Timing (2022) - diamond league race analysis</i>			
date	18-Jun-22	time		3.13		5.15		7.05		9.04		11.07	11.07	2 / 5			
reaction time		interval				2.02		1.90		1.99		2.03		# of strides			
wind	0.5 m/s	velocity		6.39		9.90		10.53		10.05		9.85	9.03		51.0		
Aoki, Masumi (JPN) (1994)																	
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)														<i>Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics</i>			
date	04-Aug-11	time				6.53		7.57		8.66		9.76	10.89	5 / 3			
reaction time		interval						1.04		1.09		1.10	1.13		# of strides		3.32
wind	-1.0 m/s	velocity				7.66		9.62		9.17		9.09	8.85				9.04

FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)														<i>Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics</i>				
date	30-Jul-10	time	2.03	3.24	5.47	6.56	7.65	8.76	9.91	11.06	12.23	12.23	6 / 1					
reaction time		interval		1.21	2.23	1.09	1.09	1.11	1.15	1.15	1.17		# of strides				3.29	
wind	-3.2 m/s	velocity	4.93	8.26	8.97	9.17	9.17	9.01	8.70	8.70	8.55	8.18					9.12	
Aono, Akari (JPN) (2000)																		
U20 FINAL - 2018 National Sports Festival (Fukui, JPN)														<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	05-Oct-18	time	2.09	3.31	4.43	5.49	6.54	7.58	8.63	9.69	10.77	11.88	6 / 3					
reaction time	0.141	interval		1.22	1.12	1.06	1.05	1.04	1.05	1.06	1.08	1.11	# of strides	4.43	3.15	3.19		
wind	-0.1 m/s	velocity	4.78	8.20	8.93	9.43	9.52	9.62	9.52	9.43	9.26	9.01	8.42	55.0	6.77	9.52	9.40	
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)														<i>Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data</i>				
date	30-Jul-17	time		4.44			7.69			11.00	12.15	12.15	6 / 3					
reaction time	0.151	interval					3.25			3.31	1.15		# of strides	4.44	3.25	3.31		
wind	-3.0 m/s	velocity		6.76			9.23			9.06	8.70	8.23		6.76	9.23	9.06		
Aoyama, Hanae (JPN) (2002)																		
FINAL - 2020 Japanese High School National Championships (Hiroshima, JPN)														<i>Kobayashi (2020) - national high school and U20 national championships</i>				
date	24-Oct-20	time	2.05	3.23	4.32	5.36	6.39	7.42	8.47	9.53	10.61	11.71	3 / 2					
reaction time	0.164	interval		1.18	1.09	1.04	1.03	1.03	1.05	1.06	1.08	1.10	# of strides	4.32	3.10	3.19		
wind	2.0 m/s	velocity	4.88	8.47	9.17	9.62	9.71	9.71	9.52	9.43	9.26	9.09	8.54	49.6	6.94	9.68	9.40	
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)														<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>				
date	23-Aug-20	time	2.06	3.25	4.34	5.41	6.46	7.53	8.60	9.70	10.82	11.97	4 / 5					
reaction time	0.158	interval		1.19	1.09	1.07	1.05	1.07	1.07	1.10	1.12	1.15	# of strides	4.34	3.19	3.29		
wind	-0.9 m/s	velocity	4.85	8.40	9.17	9.35	9.52	9.35	9.35	9.09	8.93	8.70	8.35	6.91	9.40	9.12		
Aoyama, Kae (JPN) (2002)																		
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)														<i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>				
date	04-Oct-19	time		4.35		6.47				11.96	11.96		5 / 1					
reaction time	0.159	interval				2.12				5.49			# of strides	4.35				
wind	-1.5 m/s	velocity		6.90		3.09				9.11	8.36		51.2	6.90				
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)														<i>Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>				
date	05-Aug-19	time	2.08	3.23	4.30	5.34	6.38	7.43	8.48	9.55	10.63	11.73	2 / 5					
reaction time		interval		1.15	1.07	1.04	1.04	1.05	1.05	1.07	1.08	1.10	# of strides	4.30	3.13	3.20		
wind	-0.1 m/s	velocity	4.81	8.70	9.35	9.62	9.62	9.52	9.35	9.26	9.09	8.53	50.0	6.98	9.58	9.38		
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)														<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	28-Jun-19	time	2.04	3.20	4.28	5.32	6.35	7.39	8.44	9.51	10.61	11.73	3 / 3					
reaction time	0.160	interval		1.16	1.08	1.04	1.03	1.04	1.05	1.07	1.10	1.12	# of strides	4.28	3.11	3.22		
wind	0.6 m/s	velocity	4.90	8.62	9.26	9.62	9.71	9.62	9.52	9.35	9.09	8.93	8.53	50.9	7.01	9.65	9.32	
Aoyama, Seika (JPN) (1996)																		
FINAL - 2014 Japanese National High School Championships (Kofu, JPN)														<i>Yanagiya (2014) - research on athlete performance and technique- 2014 data book</i>				
date	31-Jul-14	time	2.11	3.31	4.42	5.50	6.57	7.64	8.73	9.82	10.94	12.12	12.12	1 / 3				
reaction time		interval		1.20	1.11	1.08	1.07	1.07	1.09	1.09	1.12	1.18	# of strides	4.42	3.22	3.30		
wind	-2.4 m/s	velocity	4.74	8.33	9.01	9.26	9.35	9.35	9.17	9.17	8.93	8.47	8.25	6.79	9.32	9.09		
FINAL - 2013 Japanese National High School Championships (Oita, JPN)														<i>Matsuo (2013) - 66th high school championships: JAF scientific committee- biomechanics data</i>				
date	31-Jul-13	time	2.13	3.31	4.41	5.48	6.55	7.62	8.69	9.77	10.88	12.02	12.02	1 / 5				
reaction time		interval		1.18	1.10	1.07	1.07	1.07	1.07	1.08	1.11	1.14	# of strides	4.41	3.21	3.26		
wind	-0.5 m/s	velocity	4.69	8.47	9.09	9.35	9.35	9.35	9.35	9.26	9.01	8.77	8.32	6.80	9.35	9.20		
Araki, Shino (JPN) (1997)																		
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)														<i>Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics data</i>				
date	30-Jul-15	time		4.33	5.40	6.44	7.53	8.60	9.69	10.81	11.96	11.96	1 / 4					
reaction time		interval			1.07	1.04	1.09	1.07	1.09	1.12	1.15	PB	# of strides	4.33	3.20	3.28		
wind	-1.2 m/s	velocity		6.93	9.35	9.62	9.17	9.35	9.17	8.93	8.70	8.36		6.93	9.38	9.15		
Ardissone, Laura (ITA) (1969)																		
FINAL - 1994 Italian National Championships (Naples, ITA)														<i>Locatelli (2000) - the mechanics and energetics of the 100m sprint</i>				
date	???	time	1.98	3.29	4.39	5.40	6.44	7.46				11.77	11.77					
reaction time		interval		1.31	1.10	1.01	1.04	1.02				4.31		# of strides	4.39	3.07		
wind	???	velocity	5.05	7.63	9.09	9.90	9.62	9.80				9.28	8.50		6.83	9.77		
Arron, Christine (FRA) (1973)																		
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)														<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>				
date	23-Sep-07	time		3.22	4.24	5.23	7.19		9.16		11.20	11.20	3 / 3					
reaction time	0.158	interval			1.02	0.99	1.96		1.97		2.04		# of strides	4.24	2.95			
wind	-0.6 m/s	velocity		6.21	9.80	10.10	10.20		10.15		9.80	8.93	46.4	7.08	10.17			

FINAL - 2007 IAAF World Championships (Osaka, JPN)

date	27-Aug-07	time	2.03	3.15	4.16	5.13	6.09	7.06	8.03	9.02	10.04	11.08	11.08	5 / 6			
reaction time	0.164	interval		1.12	1.01	0.97	0.96	0.97	0.97	0.99	1.02	1.04		# of strides	4.16	2.90	2.98
wind	-0.2 m/s	velocity	4.93	8.93	9.90	10.31	10.42	10.31	10.31	10.10	9.80	9.62	9.03	46.0	7.21	10.34	10.07

*Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data***FINAL - 1999 IAAF World Championships (Sevilla, ESP)**

date	22-Aug-99	time	1.84	2.96	3.95	4.93	5.89	6.84	7.80	8.78	9.79	10.81	10.97	2 / 6			
reaction time	0.162	interval		1.12	0.99	0.98	0.96	0.95	0.96	0.98	1.01	1.02		# of strides	3.95	2.89	2.95
wind	-0.1 m/s	velocity	5.43	8.93	10.10	10.20	10.42	10.53	10.42	10.20	9.90	9.80	9.12		7.59	10.38	10.17

*Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999***FINAL - 1997 IAAF World Championships (Athens, GRE)**

date	03-Aug-97	time	1.89	3.04	4.06	5.04	6.00	6.95	7.91	8.88	9.87	10.88	11.05	4 / 4			
reaction time	0.165	interval		1.15	1.02	0.98	0.96	0.95	0.96	0.97	0.99	1.01		# of strides	4.06	2.89	2.92
wind	0.4 m/s	velocity	5.29	8.70	9.80	10.20	10.42	10.53	10.42	10.31	10.10	9.90	9.05	45.2	7.39	10.38	10.27

*Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997***Artymata, Eleni (CYP) (1986)**

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	17-Aug-09	time		3.32	4.39	5.42		7.45		9.45		11.49	11.49	2 / 8			
reaction time	0.164	interval			1.07	1.03		2.03		2.00		2.04		# of strides	4.39	3.06	
wind	-0.1 m/s	velocity		6.02	9.35	9.71		9.85		10.00		9.80	8.70		6.83	9.80	

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

date	16-Aug-09	time		3.28	4.33	5.35		7.36		9.33		11.37	11.37	7 / 5			
reaction time	0.169	interval			1.05	1.02		2.01		1.97		2.04	PB	# of strides	4.33	3.03	
wind	0.8 m/s	velocity		6.10	9.52	9.80		9.95		10.15		9.80	8.80	46.7	6.93	9.90	

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships***Heat 9 - 2009 IAAF World Championships (Berlin, GER)**

date	16-Aug-09	time		3.27	4.34	5.38		7.42		9.41		11.47	11.47	6 / 3			
reaction time	0.169	interval			1.07	1.04		2.04		1.99		2.06		# of strides	4.34	3.08	
wind	-0.5 m/s	velocity		6.12	9.35	9.62		9.80		10.05		9.71	8.72		6.91	9.74	

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships***Aruhn, Lena (SWE) (1970)**

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2007 Windsprint (Sundsvall, SWE)

date	24-Jul-07	time			4.45		7.68		9.80		11.96	11.96		/ 3			
reaction time		interval					3.23		2.12		2.16			# of strides	4.45	3.23	
wind	1.0 m/s	velocity			6.74		9.29		9.43		9.26	8.36			6.74	9.29	

*(2007) - www.ssg.se/en/Windsprint/Split-times/***Asano, Natsumi (JPN) (1998)**

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2016 Japanese National High School Championships (Okayama, JPN)

date	30-Jul-16	time		3.25	4.43	5.51	6.61	7.70	8.81	9.93		12.23	12.23	/ 7			
reaction time	0.157	interval			1.18	1.08	1.10	1.09	1.11	1.12		2.30		# of strides	4.43	3.27	
wind	1.6 m/s	velocity		6.15	8.47	9.26	9.09	9.17	9.01	8.93		8.70	8.18		6.77	9.17	

*Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data***Asher-Smith, Dina (GBR) (1995)**

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2023 Prefontaine Classic (Eugene, OR)

date	16-Sep-23	time	1.98	3.10	4.12	5.10	6.07	7.03	8.00	8.97	9.95	10.96	10.96	7 / 7			
reaction time	0.139	interval		1.12	1.02	0.98	0.97	0.96	0.97	0.97	0.98	1.01		# of strides	4.12	2.91	2.92
wind	0.8 m/s	velocity	5.05	8.93	9.80	10.20	10.31	10.42	10.31	10.31	10.20	9.90	9.12	49.0	7.28	10.31	10.27

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

date	08-Sep-23	time	1.98	3.10	4.12	5.11	6.07	7.04	8.00	8.98	9.96	10.97	10.97	4 / 3			
reaction time	0.140	interval		1.12	1.02	0.99	0.96	0.97	0.96	0.98	0.98	1.01		# of strides	4.12	2.92	2.92
wind	0.0 m/s	velocity	5.05	8.93	9.80	10.10	10.42	10.31	10.42	10.20	10.20	9.90	9.12	49.2	7.28	10.27	10.27

*Omega Timing (2023) - diamond league race analysis***FINAL - 2023 London Athletics Meet (London, GBR)**

date	23-Jul-23	time	1.98	3.08	4.08	5.04	5.99	6.93	7.88	8.85	9.84	10.85	10.85	3 / 2			
reaction time	0.144	interval		1.10	1.00	0.96	0.95	0.94	0.95	0.97	0.99	1.01		# of strides	4.08	2.85	2.91
wind	1.2 m/s	velocity	5.05	9.09	10.00	10.42	10.53	10.64	10.53	10.31	10.10	9.90	9.22	49.0	7.35	10.53	10.31

*Omega Timing (2023) - diamond league race analysis***FINAL - 2022 Prefontaine Classic (Eugene, OR)**

date	28-May-22	time		3.09		5.08		7.01		8.95		10.98	10.98	5 / 4			
reaction time	0.116	interval				1.99		1.93		1.94		2.03		# of strides			
wind	0.7 m/s	velocity		6.47		10.05		10.36		10.31		9.85	9.11	49.0			

*Omega Timing (2022) - diamond league race analysis***FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)**

date	21-May-22	time		3.11		5.12		7.08		9.07		11.11	11.11	5 / 1			
reaction time	0.144	interval				2.01		1.96		1.99		2.04		# of strides			
wind	-0.1 m/s	velocity		6.43		9.95		10.20		10.05		9.80	9.00	49.0			

*Omega Timing (2022) - diamond league race analysis***FINAL - 2021 Weltklasse (Zürich, SUI)**

date	09-Sep-21	time		3.1		5.1		7.0		8.9		10.87	10.87	3 / 2			
reaction time	0.141	interval				2.00		1.90		1.90		1.97		# of strides			

Omega Timing (2021) - diamond league race analysis

wind	0.6 m/s	velocity	6.45	10.00	10.53	10.53	10.15	9.20	48.0															
FINAL - 2019 IAAF World Championships (Doha, QAT)										Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan														
date	29-Sep-19	time	1.95	3.05	4.06	5.02	5.97	6.91	7.86	8.83	9.82	10.83	10.83	7 / 2										
reaction time	0.129	interval		1.10	1.01	0.96	0.95	0.94	0.95	0.97	0.99	1.01	NR PB	# of strides	4.06	2.85	2.91							
wind	0.1 m/s	velocity	5.13	9.09	9.90	10.42	10.53	10.64	10.53	10.31	10.10	9.90	9.23	48.7	7.39	10.53	10.31							
FINAL - 2019 Memorial van Damme (Brussels, BEL)										Omega Timing (2019) - diamond league race analysis														
date	06-Sep-19	time		3.1		5.1		7.0		8.9		10.88	10.88	4 / 1										
reaction time	0.120	interval				2.0		1.9		1.9		1.98		# of strides										
wind	-0.3 m/s	velocity		6.45		10.00		10.53		10.53		10.10	9.19	49.2										
Ashford, Evelyn (USA) (1957)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1990 Goodwill Games (Seattle, WA)										Lyle (1990) - goodwill games women's 100m splits														
date	24-Jul-90	time	2.14	3.20	4.24	5.24	6.22	7.18	8.15		10.15	11.24	11.24	4 / 5										
reaction time		interval		1.06	1.04	1.00	0.98	0.96	0.97		2.00	1.09		# of strides	4.24	2.94	2.97							
wind	0.0 m/s	velocity	4.67	9.43	9.62	10.00	10.20	10.42	10.31		10.00	9.17	8.90		7.08	10.20	10.10							
FINAL - 1988 Olympic Games (Seoul, KOR)										Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988														
date	25-Sep-88	time	2.02	3.13	4.15	5.11	6.07	7.01	7.96	8.91	9.87	10.83	10.83	6 / 2										
reaction time	0.176	interval		1.11	1.02	0.96	0.96	0.94	0.95	0.95	0.96	0.96		# of strides	4.15	2.86	2.86							
wind	3.0 m/s	velocity	4.95	9.01	9.80	10.42	10.42	10.64	10.53	10.53	10.42	10.42	9.23	50.8	7.23	10.49	10.49							
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)										Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988														
date	24-Sep-88	time	2.03	3.14	4.19	5.18	6.14	7.08	8.04	9.02	10.01	10.99	10.99	6 / 1										
reaction time	0.170	interval		1.11	1.05	0.99	0.96	0.94	0.96	0.98	0.99	0.98		# of strides	4.19	2.89	2.93							
wind	0.5 m/s	velocity	4.93	9.01	9.52	10.10	10.42	10.64	10.42	10.20	10.10	10.20	9.10		7.16	10.38	10.24							
FINAL - 1983 IAAF World Championships (Helsinki, FIN)										Butler (2013) - IAAF world championships statistics handbook- moscow 2013														
date	08-Aug-83	time			4.13								dnf	2 / --										
reaction time		interval												# of strides	4.13									
wind	-0.5 m/s	velocity			7.26										7.26									
Semi-Final 2 - 1983 IAAF World Championships (Helsinki, FIN)													Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints											
date	08-Aug-83	time		3.12		5.15	6.11	7.05	8.03	8.99		10.99	10.99	8 / 1										
reaction time	0.201	interval				2.03	0.96	0.94	0.98	0.96		2.00	CR	# of strides		7.05								
wind	-0.6 m/s	velocity		6.41		9.85	10.42	10.64	10.20	10.42		10.00	9.10	50.5		4.26								
Asumnu, Gloria (USA) (1985)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)										USATF Women's Sprint Development with HPC (2008)														
date	28-Jun-08	time	2.04	3.17	4.18	5.17	6.12	7.11	8.10	9.09	10.09	11.13	11.13	6 / 6										
reaction time		interval		1.13	1.01	0.99	0.95	0.99	0.99	0.99	1.00	1.04		# of strides	4.18	2.93	2.98							
wind	3.2 m/s	velocity	4.90	8.85	9.90	10.10	10.53	10.10	10.10	10.10	10.00	9.62	8.98	49.0	7.18	10.24	10.07							
Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)										USATF Women's Sprint Development with HPC (2008)														
date	27-Jun-08	time	2.02	3.12	4.14	5.13	6.04	7.04	8.01	9.03	10.01	11.02	11.02	4 / 3										
reaction time		interval		1.10	1.02	0.99	0.91	1.00	0.97	1.02	0.98	1.01		# of strides	4.14	2.90	2.97							
wind	2.3 m/s	velocity	4.95	9.09	9.80	10.10	10.99	10.00	10.31	9.80	10.20	9.90	9.07		7.25	10.34	10.10							
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)										USATF Women's Sprint Development with HPC (2008)														
date	27-Jun-08	time	2.15	3.14	4.17	5.17	6.11	7.11	8.07	9.07	10.09	11.10	11.10	7 / 2										
reaction time		interval		0.99	1.03	1.00	0.94	1.00	0.96	1.00	1.02	1.01		# of strides	4.17	2.94	2.98							
wind	3.5 m/s	velocity	4.65	10.10	9.71	10.00	10.64	10.00	10.42	10.00	9.80	9.90	9.01		7.19	10.20	10.07							
Atatou, Wided (FRA) (1999)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - Heat 3 - 2022 Athletissima (Lausanne, SUI)										Omega Timing (2022) - diamond league race analysis														
date	26-Aug-22	time		3.3		5.5		7.6		9.8		12.04	12.04	5 / 6										
reaction time		interval				2.20		2.10		2.20		2.24		# of strides										
wind	0.8 m/s	velocity		6.06		9.09		9.52		9.09		8.93	8.31											
Atcho, Sarah (SUI) (1995)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)										Swiss Athletics (2016) - sprint and hurdle analysis														
date	21-May-16	time				6.53						11.92	11.92	1 / 2										
reaction time		interval										5.39		# of strides										
wind	-1.8m/s	velocity				7.66						9.28	8.39											
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI)												Swiss Athletics (2016) - sprint and hurdle analysis												
date	07-May-16	time				6.56						11.85	11.85	1 / 4										
reaction time		interval										5.29		# of strides										
wind	0.4 m/s	velocity				7.62						9.45	8.44											
FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)												Swiss Athletics (2016) - sprint and hurdle analysis												

date	27-Feb-16	time	4.38	7.45	7.45	/ 3												
reaction time		interval		3.07	PB	# of strides	4.38	3.07										
		velocity	6.85	9.77	8.05	31.2	6.85	9.77										
Semi-Final 1 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)										Swiss Athletics (2016) - sprint and hurdle analysis								
date	27-Feb-16	time	4.44	7.52	7.52	/ 2												
reaction time		interval		3.08		# of strides	4.44	3.08										
		velocity	6.76	9.74	7.98		6.76	9.74										
Auerswald, Ingrid (GDR) (1957)																		
A Final - 1984 Olympischen Tag (Potsdam, GDR)										Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84								
date	20-Jul-84	time	4.20	7.13	9.09	11.13	11.13	/ 2										
reaction time		interval		2.93	1.96	2.04		# of strides	4.20	2.93								
wind	-0.5 m/s	velocity	7.14	10.24	10.20	9.80	8.98		7.14	10.24								
A Final - 1981 ????										Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84								
date	13-Jun-81	time	4.30	7.25	9.26	11.34	11.34	???										
reaction time		interval		2.95	2.01	2.08		# of strides	4.30	2.95								
wind	???	velocity	6.98	10.17	9.95	9.62	8.82		6.98	10.17								
Avramenka, Natalia (BLR) (1975)																		
C FINAL - 2001 European Cup (Bremen, GER)										Graubner (2007) - http://www.fgs.uni-halle.de								
date	23-Jun-01	time	3.30	4.37	5.40	7.45	9.55	11.76	11.76	/ 5								
reaction time	0.137	interval		1.07	1.03	2.05	2.10	2.21		# of strides	4.37	3.08						
wind	-0.2 m/s	velocity	6.06	9.35	9.71	9.76	9.52	9.05	8.50		6.86	9.74						
Azuma, Naomi (JPN) (1998)																		
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)										Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data								
date	30-Jul-16	time	3.24	4.42	5.51	6.61	7.70	8.78	9.91	12.18	12.18	/ 5						
reaction time	0.160	interval		1.18	1.09	1.10	1.09	1.08	1.13	2.27		# of strides	4.42	3.28				
wind	1.6 m/s	velocity	6.17	8.47	9.17	9.09	9.17	9.26	8.85	8.81	8.21		6.79	9.15				
Baba, Komi (JPN) (1993)																		
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)										Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics								
date	04-Aug-11	time		6.54	7.60	8.68	9.81	10.98	12.18	12.18	8 / 7							
reaction time		interval			1.06	1.08	1.13	1.17	1.20		# of strides						3.38	
wind	-1.0 m/s	velocity		7.65	9.43	9.26	8.85	8.55	8.33	8.21							8.88	
Backman, Elin (SWE) (1988)																		
C FINAL - 2012 Windsprint (Sundsvall, SWE)										(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx								
date	17-Jun-12	time	4.55	7.85	10.05	12.30	12.30	/ 1										
reaction time		interval		3.30	2.20	2.25		# of strides	4.55	3.30								
wind	0.6 m/s	velocity	6.59	9.09	9.09	8.89	8.13		6.59	9.09								
B FINAL - 2011 Windsprint (Sundsvall, SWE)										(2011) - www.ssg.se/en/Windsprint/Split-times/								
date	31-Jul-11	time	4.41	7.58	9.68	11.87	11.87	1 / 5										
reaction time		interval		3.17	2.10	2.19		# of strides	4.41	3.17								
wind	3.4 m/s	velocity	6.80	9.46	9.52	9.13	8.42		6.80	9.46								
Backus, LaKeisha (USA) (1976)																		
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)										USATF Women's Sprint Development (2004)								
date	10-Jul-04	time	2.19	3.30	4.36	5.39	6.38	7.39	8.39	9.41	10.45	11.52	11.52	8 / 8 7				
reaction time		interval		1.11	1.06	1.03	0.99	1.01	1.00	1.02	1.04	1.07		# of strides	4.36	3.03	3.06	
wind	-0.7 m/s	velocity	4.57	9.01	9.43	9.71	10.10	9.90	10.00	9.80	9.62	9.35	8.68	54.0	6.88	9.90	9.80	
Quarter-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)										USATF Women's Sprint Development (2004)								
date	09-Jul-04	time	2.15	3.30	4.32	5.34	6.32	7.34	8.32	9.39	10.44	11.53	11.53	4 / 5 4				
reaction time		interval		1.15	1.02	1.02	0.98	1.02	0.98	1.07	1.05	1.09		# of strides	4.32	3.02	3.10	
wind	-1.4 m/s	velocity	4.65	8.70	9.80	9.80	10.20	9.80	10.20	9.35	9.52	9.17	8.67	54.2	6.94	9.93	9.68	
FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)										Winckler (2008) - running parameters								
date	06-Mar-99	time	4.23	7.31								7.31		3 / 2				
reaction time		interval		3.08										# of strides	4.23	3.08		
		velocity	7.09	9.74								8.21		35	7.09	9.74		
Bahl, Nadja (GER) (1992)																		
FINAL - 2010 German National Junior Championships (Ulm, GER)										Graubner (2010) - http://www.fgs.uni-halle.de								
date	06-Aug-10	time	3.40	4.48	5.52	7.59	9.71	11.93	11.93	/ 3								
reaction time		interval		1.08	1.04	2.07	2.12	2.22		# of strides	4.48	3.11						
wind	0.4 m/s	velocity	5.88	9.26	9.62	9.66	9.43	9.01	8.38		6.70	9.65						
Bailey, Aleen (JAM) (1980)																		

FINAL - 2009 IAAF World Championships (Berlin, GER)																Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	17-Aug-09	time	3.24	4.27	5.27		7.23		9.18	11.16	11.16		1 / 8												
reaction time	0.173	interval			1.03	1.00		1.96	1.95	1.98			# of strides	4.27	2.96										
wind	0.1 m/s	velocity	6.17	9.71	10.00		10.20		10.26	10.10	8.96			7.03	10.14										
Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)																Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	17-Aug-09	time	3.23	4.26	5.25		7.22		9.16	11.16	11.16		6 / 4												
reaction time	0.199	interval			1.03	0.99		1.97	1.94	2.00			# of strides	4.26	2.96										
wind	-0.1 m/s	velocity	6.19	9.71	10.10		10.15		10.31	10.00	8.96			47.5	7.04	10.14									
Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)																Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	16-Aug-09	time	3.20	4.23	5.23		7.19		9.11	11.12	11.12		3 / 2												
reaction time	0.171	interval			1.03	1.00		1.96	1.92	2.01			# of strides	4.23	2.96										
wind	0.8 m/s	velocity	6.25	9.71	10.00		10.20		10.42	9.95	8.99			47.0	7.09	10.14									
Heat 5 - 2009 IAAF World Championships (Berlin, GER)																Graubner (2009) - biomechanical analyses at the 12th IAAF world championships									
date	16-Aug-09	time	3.22	4.27	5.28		7.28		9.25	11.29	11.29		4 / 1												
reaction time	0.174	interval			1.05	1.01		2.00	1.97	2.04			# of strides	4.27	3.01										
wind	-0.7 m/s	velocity	6.21	9.52	9.90		10.00		10.15	9.80	8.86			7.03	9.97										
Bailey, Angela (CAN) (1962)																									
FINAL - 1990 Goodwill Games (Seattle, WA)																Lyle (1990) - goodwill games women's 100m splits									
date	24-Jul-90	time	2.14	3.22	4.27	5.29	6.32	7.35	8.34		10.44	11.59	11.57	1 / 8											
reaction time		interval		1.08	1.05	1.02	1.03	1.03	0.99		2.10	1.15		# of strides	4.27	3.08	3.09								
wind	0.0 m/s	velocity	4.67	9.26	9.52	9.80	9.71	9.71	10.10		9.52	8.70	8.64		7.03	9.74	9.71								
FINAL - 1987 IAAF World Championships (Rome, ITA)																Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes									
date	30-Aug-87	time	2.07	3.19	4.22	5.22	6.21	7.16	8.12	9.11	10.15	11.18	11.18	8 / 7 6											
reaction time	0.191	interval		1.12	1.03	1.00	0.99	0.95	0.96	0.99	1.04	1.03		# of strides	4.22	2.94	2.99								
wind	-0.5 m/s	velocity	4.83	8.93	9.71	10.00	10.10	10.53	10.42	10.10	9.62	9.71	8.94		50.2	7.11	10.20	10.03							
Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)																Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics									
date	30-Aug-87	time		4.20				7.12				11.07	11.07	2 / 4											
reaction time		interval						2.92				3.95		# of strides	4.20	2.92									
wind	0.7 m/s	velocity		7.14				10.27				10.13	9.03		52.0	7.14	10.27								
Quarter-Final 3 - 1987 IAAF World Championships (Rome, ITA)																Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics									
date	29-Aug-87	time		4.25				7.22				11.31	11.31	7 / 2											
reaction time		interval						2.97				4.09		# of strides	4.25	2.97									
wind	-1.6 m/s	velocity		7.06				10.10				9.78	8.84		52.0	7.06	10.10								
Heat 3 - 1987 IAAF World Championships (Rome, ITA)																Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics									
date	29-Aug-87	time		4.38				7.41				11.52	11.52	/ 2											
reaction time		interval						3.03				4.11		# of strides	4.38	3.03									
wind	1.0 m/s	velocity		6.85				9.90				9.73	8.68		6.85	9.90									
FINAL - 1983 IAAF World Championships (Helsinki, FIN)																Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints									
date	08-Aug-83	time	3.10		5.15	6.12	7.11	8.10	9.10		11.20	11.20	7 / 5												
reaction time	0.157	interval			2.05	0.97	0.99	0.99	1.00		2.10			# of strides											
wind	-0.5 m/s	velocity	6.45		9.76	10.31	10.10	10.10	10.00		9.52	8.93		53.2											
Ball, Juan (USA) (1972)																									
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)																USATF Women's Sprint Development (1996)									
date	15-Jun-96	time	2.02		4.22		6.24			10.30	11.39	11.39	1 / 7												
reaction time		interval			2.20		2.02			4.06	1.09			# of strides	4.22										
wind	0.2 m/s	velocity	4.95		9.09		9.90			9.85	9.17	8.78		49.3	7.11										
Bamane, Gladys (SWE) (1989)																									
A FINAL - 2015 Windsprint (Sundsvall, SWE)																(2015) - www.windsprint/Splittider/									
date	26-Jul-15	time		4.42			7.66		9.82		12.03	12.03	7 / 6												
reaction time		interval					3.24		2.16		2.21			# of strides	4.42	3.24									
wind	0.9 m/s	velocity		6.79			9.26		9.26		9.05	8.31			6.79	9.26									
B FINAL - 2014 Windsprint (Sundsvall, SWE)																(2014) - www.ssg.se/windsprint/Splittider/									
date	20-Jul-14	time		4.44			7.64		9.79		11.99	11.99	4 / 1												
reaction time		interval					3.20		2.15		2.20			# of strides	4.44	3.20									
wind	2.3 m/s	velocity		6.76			9.38		9.30		9.09	8.34			6.76	9.38									
Bangué, Frédérique (FRA) (1976)																									
C FINAL - 2001 European Cup (Bremen, GER)																Graubner (2007) - http://www.fgs.uni-halle.de									
date	23-Jun-01	time	3.22	4.27	5.29		7.28		9.34		11.44	11.44	/ 1												
reaction time	0.126	interval			1.05	1.02		1.99	2.06		2.10			# of strides	4.27	3.01									

wind	-0.2 m/s	velocity	6.21	9.52	9.80	10.05	9.71	9.52	8.74	7.03	9.97
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FINAL - 1997 European Cup (Munich, GER)Jung (2003) - <http://www.fgs.uni-halle.de>

date	21-Jun-97	time	2.17	4.34	7.34	9.39	11.48	11.48			
reaction time		interval		2.17	3.00	2.05	2.09		# of strides	4.34	3.00
wind	0.6 m/s	velocity	4.61	4.61	10.00	9.76	9.57	8.71		6.91	10.00

Banno, Rio (JPN) (1990)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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Semi-Final 3 - 2017 National Sports Festival (Matsuyama, JPN)

Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season

date	07-Oct-17	time	2.08	3.27	4.35	5.43	6.48	7.53	8.58	9.65	10.74	11.84	11.84	/ 4	
reaction time	0.154	interval		1.19	1.08	1.08	1.05	1.05	1.05	1.07	1.09	1.10	PB	# of strides	4.35 3.18 3.21
wind	0.7 m/s	velocity	4.81	8.40	9.26	9.26	9.52	9.52	9.52	9.35	9.17	9.09	8.45	49.4	6.90 9.43 9.35

Baptiste, Kelly-Ann (TTO) (1986)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 2017 IAAF World Championships (London, GBR)

Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m

date	06-Aug-17	time	2.01	3.17	4.22	5.18	6.13	7.08	8.05	9.04	10.05	11.09	11.09	2 / 8	
reaction time	0.142	interval		1.16	1.05	0.96	0.95	0.95	0.97	0.99	1.01	1.04		# of strides	4.22 2.86 2.97
wind	-0.1 m/s	velocity	4.98	8.62	9.52	10.42	10.53	10.53	10.31	10.10	9.90	9.62	9.02	51.0	7.11 10.49 10.10

FINAL - 2011 IAAF World Championships (Daegu, KOR)

KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011

date	29-Aug-11	time	2.99	4.11	5.08	6.05	7.01	7.97	8.91	9.91	10.98	10.98	10.98	5 / 3	
reaction time	0.151	interval		1.12	0.97	0.97	0.96	0.96	0.94	1.00	1.07			# of strides	4.11 2.90 2.89
wind	-1.4 m/s	velocity	6.69	8.93	10.31	10.31	10.42	10.42	10.64	10.00	9.35	9.11		50.0	7.30 10.34 10.38

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

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

date	17-Aug-09	time	3.13	4.15	5.14		7.11		9.04		11.07	11.07	11.07	7 / 5	
reaction time	0.141	interval		1.02	0.99		1.97		1.93		2.03			# of strides	4.15 2.96
wind	-0.1 m/s	velocity	6.39	9.80	10.10		10.15		10.36		9.85	9.03			7.23 10.14

Quarter-Final 4 - 2009 IAAF World Championships (Berlin, GER)

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

date	16-Aug-09	time	3.11	4.14	5.13		7.08		9.02		11.05	11.05	11.05	3 / 3	
reaction time	0.154	interval		1.03	0.99		1.95		1.94		2.03			# of strides	4.14 2.94
wind	-0.4 m/s	velocity	6.43	9.71	10.10		10.26		10.31		9.85	9.05		48.7	7.25 10.20

Heat 9 - 2009 IAAF World Championships (Berlin, GER)

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

date	16-Aug-09	time	3.17	4.25	5.29		7.37		9.38		11.42	11.42	11.42	7 / 1	
reaction time	0.143	interval		1.08	1.04		2.08		2.01		2.04			# of strides	4.25 3.12
wind	-0.5 m/s	velocity	6.31	9.26	9.62		9.62		9.95		9.80	8.76			7.06 9.62

FINAL - 2009 ISTAF (Berlin, GER)Graubner (2009) - <http://www.fgs.uni-halle.de>

date	14-Jun-09	time	3.20	4.23	5.23		7.20		9.24		11.33	11.33	11.33	/ 7	
reaction time	0.164	interval		1.03	1.00		1.97		2.04		2.09			# of strides	4.23 2.97
wind	0.1 m/s	velocity	6.25	9.71	10.00		10.15		9.80		9.57	8.83			7.09 10.10

Baptiste, Kimbely (GBR) (1992)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 2019 Müller Grand Prix (Birmingham, GBR)

Omega Timing (2019) - diamond league race analysis

date	18-Aug-19	time	3.4		5.5		7.5		9.6		11.71	11.71	11.71	9 / 7	
reaction time	0.139	interval			2.1		2.0		2.1		2.11			# of strides	
wind	-0.9 m/s	velocity	5.88		9.52		10.00		9.52		9.48	8.54		50.5	

Barber, MeLisa (USA) (1980)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)

USATF Women's Sprint Development with HPC (2008)

date	28-Jun-08	time	2.05	3.17	4.19	5.17	6.16	7.09	8.05	9.05	10.06	11.07	11.07	1 / 6	
reaction time		interval		1.12	1.02	0.98	0.99	0.93	0.96	1.00	1.01	1.01		# of strides	4.19 2.90 2.97
wind	1.8 m/s	velocity	4.88	8.93	9.80	10.20	10.10	10.75	10.42	10.00	9.90	9.90	9.03	51.7	7.16 10.34 10.10

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

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.07	3.19	4.19	5.17	6.15	7.14	8.13	9.09	10.11	11.10	11.10	7 / 5	
reaction time		interval		1.12	1.00	0.98	0.98	0.99	0.99	0.96	1.02	0.99		# of strides	4.19 2.95 2.97
wind	2.3 m/s	velocity	4.83	8.93	10.00	10.20	10.20	10.10	10.10	10.42	9.80	10.10	9.01		7.16 10.17 10.10

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

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.06	3.18	4.20	5.21	6.19	7.19	8.17	9.15	10.17	11.19	11.19	7 / 4	
reaction time		interval		1.12	1.02	1.01	0.98	1.00	0.98	0.98	1.02	1.02		# of strides	4.20 2.99 2.98
wind	1.4 m/s	velocity	4.85	8.93	9.80	9.90	10.20	10.00	10.20	10.20	9.80	9.80	8.94		7.14 10.03 10.07

FINAL - 2005 USATF National Championships (Carson, CA)

USATF Women's Sprint Development (2005)

date	25-Jun-05	time	1.99	3.12	4.15	5.16	6.13	7.11	8.07	9.07	10.04	11.10	11.10	6 / 1	
reaction time		interval		1.13	1.03	1.01	0.97	0.98	0.96	1.00	0.97	1.06		# of strides	4.15 2.96 2.93
wind	-1.6 m/s	velocity	5.03	8.85	9.71	9.90	10.31	10.20	10.42	10.00	10.31	9.43	9.01	51.2	7.23 10.14 10.24

Semi-Final 1 - 2005 USATF National Championships (Carson, CA)

USATF Women's Sprint Development (2005)

date	25-Jun-05	time	2.04	3.12	4.12	5.08	6.04	6.99	7.93	8.89	9.88	10.87	10.87	6 / 1			
reaction time		interval		1.08	1.00	0.96	0.96	0.95	0.94	0.96	0.99	0.99		# of strides	4.12	2.87	2.89
wind	3.0 m/s	velocity	4.90	9.26	10.00	10.42	10.42	10.53	10.64	10.42	10.10	10.10	9.20		7.28	10.45	10.38
Heat 3 - 2005 USATF National Championships (Carson, CA)														<i>USATF Women's Sprint Development (2005)</i>			
date	24-Jun-05	time	1.99	3.16	4.17	5.14	6.13	7.12	8.05	9.04	10.04	11.04	11.04	4 / 1			
reaction time		interval		1.17	1.01	0.97	0.99	0.99	0.93	0.99	1.00	1.00	PB	# of strides	4.17	2.95	2.92
wind	1.4 m/s	velocity	5.03	8.55	9.90	10.31	10.10	10.10	10.75	10.10	10.00	10.00	9.06		7.19	10.17	10.27
Barber, Mikele (USA) (1980)																	
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	27-Jun-08	time	2.12	3.22	4.28	5.28	6.25	7.21	8.18	9.18	10.16	11.29	11.29	1 / 8			
reaction time		interval		1.10	1.06	1.00	0.97	0.96	0.97	1.00	0.98	1.13		# of strides	4.28	2.93	2.95
wind	0.7 m/s	velocity	4.72	9.09	9.43	10.00	10.31	10.42	10.31	10.00	10.20	8.85	8.86		7.01	10.24	10.17
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	27-Jun-08	time	2.13	3.27	4.32	5.30	6.28	7.25	8.26	9.25	10.27	11.29	11.29	6 / 5			
reaction time		interval		1.14	1.05	0.98	0.98	0.97	1.01	0.99	1.02	1.02		# of strides	4.32	2.93	3.02
wind	2.2 m/s	velocity	4.69	8.77	9.52	10.20	10.20	10.31	9.90	10.10	9.80	9.80	8.86		6.94	10.24	9.93
FINAL - 2006 USATF National Championships (Indianapolis, IN)														<i>USATF Women's Sprint Development (2006)</i>			
date	23-Jun-06	time	2.10	3.26	4.29	5.29	6.25	7.24	8.20	9.21	10.24	11.27	11.27	6 / 6 5			
reaction time		interval		1.16	1.03	1.00	0.96	0.99	0.96	1.01	1.03	1.03	PB	# of strides	4.29	2.95	3.00
wind	-0.9 m/s	velocity	4.76	8.62	9.71	10.00	10.42	10.10	10.42	9.90	9.71	9.71	8.87		51.7	6.99	10.17
Bårdsgård Kulset, Malin (NOR) (1996)																	
B FINAL - 2017 Windsprint (Sundsvall, SWE)														<i>(2017) - www.windsprint/Splittider/</i>			
date	30-Jul-17	time		4.64		6.77	7.84					12.24	12.24	4 / 2			
reaction time		interval				2.13	1.07					4.40		# of strides	4.64	3.20	
wind	1.6 m/s	velocity		6.47		9.39	9.35					9.09	8.17		6.47	9.38	
Barta, Sydney (USA) (2004) (T64)																	
Para FINAL - 2023 Prefontaine Classic (Eugene, OR)														<i>Omega Timing (2023) - diamond league race analysis</i>			
date	17-Sep-23	time	2.64	4.04	5.33	6.57	7.79	9.02	10.25	11.52	12.79	14.10	14.10	1 / 7			
reaction time	0.305	interval		1.40	1.29	1.24	1.22	1.23	1.23	1.27	1.27	1.31		# of strides	5.33	3.69	3.77
wind	0.7 m/s	velocity	3.79	7.14	7.75	8.06	8.20	8.13	8.13	7.87	7.87	7.63	7.09		56.0	5.63	7.96
Bartoletta, Tianna (USA) (1985)																	
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)														<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>			
date	21-May-17	time	2.05	3.24	4.29	5.32	6.32	7.33	8.34	9.36	10.40	11.47	11.47	1 / 3			
reaction time	0.194	interval		1.19	1.05	1.03	1.00	1.01	1.01	1.02	1.04	1.07		# of strides	4.29	3.04	3.07
wind	0.8 m/s	velocity	4.88	8.40	9.52	9.71	10.00	9.90	9.90	9.80	9.62	9.35	8.72		50.3	6.99	9.77
FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)														<i>Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters</i>			
date	08-May-16	time	2.01	3.12	4.15	5.15	6.12	7.10	8.09	9.11	10.16	11.23	11.23	5 / 1			
reaction time		interval		1.11	1.03	1.00	0.97	0.98	0.99	1.02	1.05	1.07		# of strides	4.15	2.95	3.06
wind	-1.7 m/s	velocity	4.98	9.01	9.71	10.00	10.31	10.20	10.10	9.80	9.52	9.35	8.90		51.1	7.23	10.17
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)														<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>			
date	10-May-15	time	2.01	3.13	4.18	5.19	6.19	7.18	8.18	9.18	10.20	11.26	11.26	5 / 1			
reaction time		interval		1.12	1.05	1.01	1.00	0.99	1.00	1.00	1.02	1.06		# of strides	4.18	3.00	3.02
wind	1.2 m/s	velocity	4.98	8.93	9.52	9.90	10.00	10.10	10.00	10.00	9.80	9.43	8.88		49.2	7.18	10.00
FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN)														<i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>			
date	11-May-14	time	2.01	3.14	4.17	5.16	6.15	7.12	8.11	9.12	10.14	11.18	11.18	4 / 1			
reaction time		interval		1.13	1.03	0.99	0.99	0.97	0.99	1.01	1.02	1.04		# of strides	4.17	2.95	3.02
wind	-0.8 m/s	velocity	4.98	8.85	9.71	10.10	10.10	10.31	10.10	9.90	9.80	9.62	8.94		50.3	7.19	10.17
Madison, Tianna (USA) (1985)																	
FINAL - 2011 Windsprint (Sundsvall, SWE)														<i>(2011) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	31-Jul-11	time		4.27			7.33		9.36		11.51	11.51		1 / 4			
reaction time		interval					3.06		2.03		2.15			# of strides	4.27	3.06	
wind	0.2 m/s	velocity		7.03			9.80		9.85		9.30	8.69			7.03	9.80	
FINAL - 2010 Windsprint (Sundsvall, SWE)														<i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	08-Aug-10	time		4.20			7.18		9.18		11.29	11.29		1 / 2			
reaction time		interval					2.98		2.00		2.11			# of strides	4.20	2.98	
wind	2.4 m/s	velocity		7.14			10.07		10.00		9.48	8.86			7.14	10.07	
FINAL - 2009 Windsprint (Sundsvall, SWE)														<i>(2009) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	25-Jul-09	time		4.25			7.23		9.22		11.32	11.32		1 / 2			
reaction time		interval					2.98		1.99		2.10			# of strides	4.25	2.98	
wind	2.0 m/s	velocity		7.06			10.07		10.05		9.52	8.83			7.06	10.07	

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bartsevich, Yulia (BLR) (1979)																
Semi-Final 2 - 2002 European Championships (Munich, GER)												Graubner (2009) - http://www.fgs.uni-halle.de				
date	07-Aug-02	time	3.19	4.24	5.25		7.26		9.30		11.44	11.44	/ 5			
reaction time	0.122	interval		1.05	1.01		2.01		2.04		2.14		# of strides	4.24	3.02	
wind	0.3 m/s	velocity	6.27	9.52	9.90		9.95		9.80		9.35	8.74		7.08	9.93	
Heat 1 - 2002 European Championships (Munich, GER)																
												Graubner (2009) - http://www.fgs.uni-halle.de				
date	06-Aug-02	time	3.17	4.21	5.22		7.22		9.28		11.42	11.42	/ 2			
reaction time	0.143	interval		1.04	1.01		2.00		2.06		2.14		# of strides	4.21	3.01	
wind	0.1 m/s	velocity	6.31	9.62	9.90		10.00		9.71		9.35	8.76		7.13	9.97	
B FINAL - 2001 European Cup (Bremen, GER)																
												Graubner (2007) - http://www.fgs.uni-halle.de				
date	23-Jun-01	time	3.44	4.51	5.55		7.61		9.72		11.46	11.46	/ 3			
reaction time	0.294	interval		1.07	1.04		2.06		2.11		1.74	PB	# of strides	4.51	3.10	
wind	1.8 m/s	velocity	5.81	9.35	9.62		9.71		9.48		11.49	8.73		6.65	9.68	
Bass, Gina (GAM) (1995)																
FINAL - 2023 Memorial van Damme (Brussels, BEL)												Omega Timing (2023) - <i>diamond league race analysis</i>				
date	08-Sep-23	time	2.00	3.13	4.16	5.16	6.13	7.11	8.10	9.10	10.13	11.18	11.18	8 / 6		
reaction time	0.139	interval		1.13	1.03	1.00	0.97	0.98	0.99	1.00	1.03	1.05		# of strides	4.16	2.95 3.02
wind	0.0 m/s	velocity	5.00	8.85	9.71	10.00	10.31	10.20	10.10	10.00	9.71	9.52	8.94	52.0	7.21	10.17 9.93
FINAL - 2022 Meeting de Paris (Paris, FRA)																
												Omega Timing (2022) - <i>diamond league race analysis</i>				
date	18-Jun-22	time	3.19		5.22		7.19		9.18		11.24	11.24	8 / 7			
reaction time	0.193	interval			2.03		1.97		1.99		2.06		# of strides			
wind	0.5 m/s	velocity	6.27		9.85		10.15		10.05		9.71	8.90	52.2			
Baur, Eva (GER) (1991)																
FINAL - 2010 German National Junior Championships (Ulm, GER)												Graubner (2010) - http://www.fgs.uni-halle.de				
date	06-Aug-10	time	3.48	4.58	5.65		7.80		9.97		12.18	12.18	/ 6			
reaction time		interval		1.10	1.07		2.15		2.17		2.21		# of strides	4.58	3.22	
wind	0.4 m/s	velocity	5.75	9.09	9.35		9.30		9.22		9.05	8.21		6.55	9.32	
Bazolo, Lorène Dorcas (POR) (1983)																
National FINAL - 2023 Weltklasse (Zürich, SUI)												Omega Timing (2023) - <i>diamond league race analysis</i>				
date	31-Aug-23	time	2.07	3.22	4.26	5.27	6.26	7.25	8.25	9.27	10.30	11.35	11.35	7 / 2		
reaction time	0.153	interval		1.15	1.04	1.01	0.99	0.99	1.00	1.02	1.03	1.05		# of strides	4.26	2.99 3.05
wind	-0.1 m/s	velocity	4.83	8.70	9.62	9.90	10.10	10.10	10.00	9.80	9.71	9.52	8.81		7.04	10.03 9.84
FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)																
												Omega Timing (2022) - <i>diamond league race analysis</i>				
date	05-Jun-22	time	3.13		5.17		7.13		9.13		11.22	11.22	4 / 3			
reaction time	0.147	interval			2.04		1.96		2.00		2.09		# of strides			
wind	0.3 m/s	velocity	6.39		9.80		10.20		10.00		9.57	8.91	49.0			
Becerra, Soraya (SUI) (2004)																
National B FINAL - 2023 Weltklasse (Zürich, SUI)												Omega Timing (2023) - <i>diamond league race analysis</i>				
date	31-Aug-23	time	2.16	3.37	4.46	5.53	6.59	7.65	8.72	9.81	10.92	12.03	12.03	2 / 8		
reaction time	0.128	interval		1.21	1.09	1.07	1.06	1.06	1.07	1.09	1.11	1.11		# of strides	4.46	3.19 3.27
wind	-0.2 m/s	velocity	4.63	8.26	9.17	9.35	9.43	9.43	9.35	9.17	9.01	9.01	8.31		6.73	9.40 9.17
Belohlavová, Petra (CZE) (1998)																
Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)												Feher (2014) - <i>Final report from the U18 & U20 Czech Republic national championships</i>				
date	28-Jun-14	time	3.59		5.89		8.14		10.43		12.76	12.76	1 / 6			
reaction time	0.216	interval			2.30		2.25		2.29		2.33		# of strides			
wind	-1.4 m/s	velocity	5.57		8.70		8.89		8.73		8.58	7.84				
Benth, Katia (FRA) (1975)																
FINAL - 2001 European Cup (Bremen, GER)												Graubner (2007) - http://www.fgs.uni-halle.de				
date	23-Jun-01	time	3.26	4.31	5.32		7.29		9.29		11.38	11.38	/ 3			
reaction time	0.134	interval		1.05	1.01		1.97		2.00		2.09		# of strides	4.31	2.98	
wind	2.8 m/s	velocity	6.13	9.52	9.90		10.15		10.00		9.57	8.79		6.96	10.07	
Berclaz, Manon (SUI) (2003)																
B FINAL - Heat 3 - 2022 Athletissima (Lausanne, SUI)												Omega Timing (2022) - <i>diamond league race analysis</i>				
date	26-Aug-22	time	3.4		5.6		7.8		10.0		12.39	12.39	8 / 7			
reaction time		interval			2.20		2.20		2.20		2.39		# of strides			
wind	0.8 m/s	velocity	5.88		9.09		9.09		9.09		8.37	8.07				
Berneryd, Saga (SWE) (1999)																
B FINAL - 2017 Windsprint (Sundsvall, SWE)												(2017) - www.windsprint/splittider/				
date	30-Jul-17	time		4.64		6.89	8.00		10.28		12.62	12.62	3 / 4			

reaction time	interval				2.25	1.11		2.28	2.34			# of strides	4.64	3.36
wind	1.6 m/s	velocity		6.47	8.89	9.01		8.77	8.55	7.92			6.47	8.93
A FINAL - 2016 Windsprint (Sundsvall, SWE)												(2016) - www.windsprint/Splittider/		
date	31-Jul-16	time		4.69		7.96			12.36	12.36		1 / 8		
reaction time		interval				3.27			4.40	PB		# of strides	4.69	3.27
wind	2.0 m/s	velocity		6.40		9.17			9.09	8.09			6.40	9.17
Heat 2 - 2016 Windsprint (Sundsvall, SWE)												(2016) - www.windsprint/Splittider/		
date	31-Jul-16	time		4.67		8.00			12.50	12.50		6 / 2		
reaction time		interval				3.33			4.50			# of strides	4.67	3.33
wind	1.8 m/s	velocity		6.42		9.01			8.89	8.00			6.42	9.01
Berntsson, Lena (SWE) (1978)														
FINAL - 2012 Windsprint (Sundsvall, SWE)														
date	17-Jun-12	time		4.36		7.47		9.60	11.79	11.79		7 / 5		
reaction time		interval				3.11		2.13	2.19			# of strides	4.36	3.11
wind	1.0 m/s	velocity		6.88		9.65		9.39	9.13	8.48			6.88	9.65
FINAL - 2009 Windsprint (Sundsvall, SWE)												(2009) - www.ssg.se/en/Windsprint/Split-times/		
date	25-Jul-09	time		4.29		7.36		9.45	11.64	11.64		1 / 3		
reaction time		interval				3.07		2.09	2.19			# of strides	4.29	3.07
wind	2.0 m/s	velocity		6.99		9.77		9.57	9.13	8.59			6.99	9.77
FINAL - 2008 Windsprint (Sundsvall, SWE)												(2008) - www.ssg.se/en/Windsprint/Split-times/		
date	06-Jul-08	time		4.26		7.32		9.47	11.67	11.67		1 / 4		
reaction time		interval				3.06		2.15	2.20			# of strides	4.26	3.06
wind	1.0 m/s	velocity		7.04		9.80		9.30	9.09	8.57			7.04	9.80
Bikar, Alenka (SLO) (1974)														
FINAL - 2002 European Championships (Munich, GER)														
date	07-Aug-02	time		3.28	4.36	5.40		7.42	9.49	11.63	11.63		8	
reaction time	0.141	interval			1.08	1.04		2.02	2.07	2.14		# of strides	4.36	3.06
wind	-0.7 m/s	velocity		6.10	9.26	9.62		9.90	9.66	9.35	8.60		6.88	9.80
Semi-Final 1 - 2002 European Championships (Munich, GER)												Graubner (2009) - http://www.fgs.uni-halle.de		
date	07-Aug-02	time		3.13	4.18	5.20		7.20	9.23	11.37	11.37		14	
reaction time	0.162	interval			1.05	1.02		2.00	2.03	2.14		# of strides	4.18	3.02
wind	0.0 m/s	velocity		6.39	9.52	9.80		10.00	9.85	9.35	8.80		7.18	9.93
Bily, Laurence (FRA) (1963)														
FINAL - 1987 European Cup (Prague, TCH)														
date	28-Jun-87	time		2.04	3.23	4.26	5.27	6.29	7.29	8.31	9.34	10.38	11.44	
reaction time		interval			1.19	1.03	1.01	1.02	1.00	1.02	1.03	1.04	1.06	
wind	-0.4 m/s	velocity		4.90	8.40	9.71	9.90	9.80	10.00	9.80	9.71	9.62	9.43	
Bingham, Khamica (CAN) (1994)														
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)														
date	13-Jul-21	time		3.2		5.2		7.2	9.2	11.23	11.23		6 / 2	
reaction time	0.158	interval			2.00		2.00	2.00	2.00	2.03		# of strides		
wind	1.5 m/s	velocity		6.25		10.00		10.00	10.00	9.85	8.90			
Bisschops, Minke (NED) (2002)														
B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI)														
date	26-Aug-21	time		3.3		5.4		7.4	9.4	11.52	11.52		8 / 6	
reaction time	0.139	interval			2.10		2.00	2.00	2.00	2.12		# of strides		
wind	2.7 m/s	velocity		6.06		9.52		10.00	10.00	9.43	8.68			
Block, Zhanna (UKR) (1972)														
FINAL - 2001 IAAF World Championships (Edmonton, CA)														
date	06-Aug-01	time		1.95	3.04	4.08	5.06	6.00	6.95	7.91	8.86	9.83	10.82	
reaction time	0.123	interval			1.09	1.04	0.98	0.94	0.95	0.96	0.95	0.97	0.99	
wind	-0.2 m/s	velocity		5.13	9.17	9.62	10.20	10.64	10.53	10.42	10.53	10.31	10.10	
FINAL - 2000 Olympic Games (Sydney, AUS)												Veney - Sydney 100m women's splits		
date	24-Sep-00	time		4.09		6.20	7.23	8.21		10.11	11.20	11.20	7 / 5 4	
reaction time	0.223	interval				2.11	1.03	0.98		1.90	1.09		# of strides	4.09
wind	-0.4 m/s	velocity		7.33		9.48	9.71	10.20		10.53	9.17	8.93		3.14
Tamopolskaya-Pintusevich, Zhanna (UKR) (1972)														
FINAL - 1999 IAAF World Championships (Sevilla, ESP)														
date	22-Aug-99	time		1.83	2.94	3.96	4.94	5.90	6.86	7.82	8.79	9.78	10.82	
reaction time	0.135	interval			1.11	1.02	0.98	0.96	0.96	0.96	0.97	0.99	1.04	

wind	-0.1 m/s	velocity	5.46	9.01	9.80	10.20	10.42	10.42	10.42	10.31	10.10	9.62	9.13	7.58	10.34	10.27
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FINAL - 1997 IAAF World Championships (Athens, GRE) *Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997*

date	03-Aug-97	time	1.86	2.98	3.99	4.96	5.90	6.84	7.78	8.74	9.72	10.72	10.85	5 / 2			
reaction time	0.130	interval		1.12	1.01	0.97	0.94	0.94	0.94	0.96	0.98	1.00	NR	# of strides	3.99	2.85	2.88
wind	0.4 m/s	velocity	5.38	8.93	9.90	10.31	10.64	10.64	10.64	10.42	10.20	10.00	9.22	49.8	7.52	10.53	10.42

Blos, Martina (GDR) (1957)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1976 East German Olympic Qualifier (Karl-Marx-Stadt, GDR) <i>Heß (1978) - geschwindigkeitsdynamik von sprintern 100m-lauf beir wettkampflaufen olympiazyklus 73/76</i>															
date	29-May-76	time		4.26		7.22		9.19		11.19	11.19	/ 3			
reaction time		interval				2.96		1.97		2.00	PB	# of strides	4.26	2.96	
wind	1.3 m/s	velocity		7.04		10.14		10.15		10.00	8.94		7.04	10.14	

Bisschops, Minke (NED) (2002)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - Heat 3 - 2022 Athletissima (Lausanne, SUI) <i>Omega Timing (2022) - diamond league race analysis</i>															
date	26-Aug-22	time		3.3		5.3		7.4		9.4	11.66	11.66	6 / 2		
reaction time		interval				2.00		2.10		2.00	2.26	# of strides			
wind	0.8 m/s	velocity		6.06		10.00		9.52		10.00	8.85	8.58			

Bodendorf, Carla (GDR) (1953)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1976 East German Olympic Qualifier (Karl-Marx-Stadt, GDR) <i>Heß (1978) - geschwindigkeitsdynamik von sprintern 100m-lauf beir wettkampflaufen olympiazyklus 73/76</i>															
date	29-May-76	time		4.31		7.28		9.23		11.22	11.22	/ 5			
reaction time		interval				2.97		1.95		1.99	PB	# of strides	4.31	2.97	
wind	1.3 m/s	velocity		6.96		10.10		10.26		10.05	8.91		6.96	10.10	

Bohlén-Kinn, Therése (SWE) (1987)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 Windsprint (Sundsvall, SWE) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>															
date	08-Aug-10	time		4.54		7.71		9.84		12.07	12.07	/ 7			
reaction time		interval				3.17		2.13		2.23		# of strides	4.54	3.17	
wind	2.4 m/s	velocity		6.61		9.46		9.39		8.97	8.29		6.61	9.46	

FINAL - 2009 Windsprint (Sundsvall, SWE)

date	25-Jul-09	time		4.47		7.60		9.68		11.85	11.85	/ 6			
reaction time		interval				3.13		2.08		2.17		# of strides	4.47	3.13	
wind	2.0 m/s	velocity		6.71		9.58		9.62		9.22	8.44		6.71	9.58	

B FINAL - 2007 Windsprint (Sundsvall, SWE)

date	24-Jul-07	time		4.50		7.77		9.96		12.22	12.22	/ 1			
reaction time		interval				3.27		2.19		2.26		# of strides	4.50	3.27	
wind	0.9 m/s	velocity		6.67		9.17		9.13		8.85	8.18		6.67	9.17	

Bolingo, Cynthia (BEL) (1993)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Memorial Van Damme (Brussels, BEL) <i>Omega Timing (2020) - diamond league race analysis</i>															
date	04-Sep-20	time		3.3		5.4		7.5		9.6	11.72	11.72	7 / 6		
reaction time	0.172	interval				2.10		2.10		2.12		# of strides			
wind	0.2 m/s	velocity		6.06		9.52		9.52		9.43	8.53	51.5			

Bongiorni, Anna (ITA) (1993)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA) <i>Omega Timing (2020) - diamond league race analysis</i>															
date	17-Sep-20	time		3.2		5.3		7.2		9.3	11.38	11.38	1 / 7		
reaction time	0.152	interval				2.10		1.90		2.10	2.08	# of strides			
wind	0.2 m/s	velocity		6.25		9.52		10.53		9.52	8.79	53.0			

Bourdin, Helene (SWE) (1980)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2010 Windsprint (Sundsvall, SWE) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>															
date	08-Aug-10	time		4.60		7.78		9.89		12.05	12.05	/ 4			
reaction time		interval				3.18		2.11		2.16		# of strides	4.60	3.18	
wind	2.2 m/s	velocity		6.52		9.43		9.48		9.26	8.30		6.52	9.43	

Bouší, Kristyna (CZE) (1996)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 3 - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>															
date	28-Jun-14	time		3.65		6.07		8.46		10.88	13.37	13.37	2 / 5		
reaction time	0.187	interval				2.42		2.39		2.42	2.49	# of strides			
wind	-3.0 m/s	velocity		5.48		8.26		8.37		8.26	8.03	7.48			

Bowie, Tori (USA) (1990)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2017 IAAF World Championships (London, GBR) <i>Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m</i>																
date	06-Aug-17	time		2.07		3.22		4.24		5.18	6.11	7.04	7.98	8.93	9.88	10.85
reaction time	0.182	interval				1.15		1.02		0.94	0.93	0.93	0.94	0.95	0.95	0.97
wind	-0.1 m/s	velocity		4.83		8.70		9.80		10.64	10.75	10.75	10.64	10.53	10.53	10.31

Boyle, Raelene (AUS) (1951)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 1972 Olympic Games (Munich, FRG)*Breizer (1984) - sprint competition analysis*

date	02-Sep-72	time	4.16	7.20	9.23	11.23	11.23	1 / 2		
reaction time		interval		3.04	2.03	2.00		# of strides	4.16	3.04
wind	-0.2 m/s	velocity	7.21	9.87	9.85	10.00	8.90	53.5	7.21	9.87

Božková Katerina (CZE) (1998)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)***Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	3.58	6.02	8.47	10.98	13.61	13.61	1 / 8	
reaction time	0.184	interval		2.44	2.45	2.51	2.63		# of strides	
wind	-4.3 m/s	velocity	5.59	8.20	8.16	7.97	7.60	7.35		

Bracháčková, Petra (CZE) (1997)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE)***Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	2.27	3.50	4.69	5.84	7.00	8.16	9.36	10.56	11.78	13.02	13.02	7 / 6	
reaction time	0.146	interval		1.23	1.19	1.15	1.16	1.16	1.20	1.20	1.22	1.24		# of strides	4.69 3.47 3.62
wind	-6.4 m/s	velocity	4.41	8.13	8.40	8.70	8.62	8.62	8.33	8.33	8.20	8.06	7.68		6.40 8.65 8.29

Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)*Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	3.53	5.80	8.04	10.34	12.70	12.70	7 / 3	
reaction time	0.192	interval		2.27	2.24	2.30	2.36		# of strides	
wind	-1.4 m/s	velocity	5.67	8.81	8.93	8.70	8.47	7.87		

Braun, Franziska (GER) (1993)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2010 German National Youth Championships (Ulm, GER)***Graubner (2010) - <http://www.fgs.uni-halle.de>*

date	07-Aug-10	time	3.34	4.44	5.51	7.66	9.82	12.07	12.07	1 / 8	
reaction time		interval		1.10	1.07	2.15	2.16	2.25		# of strides	4.44 3.22
wind	-0.3 m/s	velocity	5.99	9.09	9.35	9.30	9.26	8.89	8.29		6.76 9.32

Brázdilová, Lenka (CZE) (1982)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Heat 3 - 2012 Czech Republic National Indoor Championships (Praha, CZE)***Feher (2012) - Czech Republic indoor national championships - women's 60m*

date	25-Feb-12	time	2.27	3.53	4.71	5.86	7.00	8.14	8.14	7 / 6	
reaction time	0.204	interval		1.26	1.18	1.15	1.14	1.14		# of strides	4.71 3.43
		velocity	4.41	7.94	8.47	8.70	8.77	8.77			6.37 8.75

Breen, Melissa (AUS) (1990)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Heat 1 - 2017 Mikio Oda Memorial (Hiroshima, JPN)***Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

date	29-Apr-17	time	2.06	3.23	4.30	5.33	6.34	7.35	8.36	9.38	10.41	11.46	11.46	1 / 1	
reaction time		interval		1.17	1.07	1.03	1.01	1.01	1.01	1.02	1.03	1.05		# of strides	4.30 3.05 3.06
wind	2.4 m/s	velocity	4.85	8.55	9.35	9.71	9.90	9.90	9.90	9.80	9.71	9.52	8.73		50.7 6.98 9.84 9.80

FINAL - 2016 Mikio Oda Memorial (Hiroshima, JPN)*Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters*

date	29-Apr-16	time	2.11	3.26	4.32	5.34	6.34	7.37	8.41	9.45	10.52	11.59	11.59	1 / 1	
reaction time		interval		1.15	1.06	1.02	1.00	1.03	1.04	1.04	1.07	1.07		# of strides	4.32 3.05 3.15
wind	-1.8 m/s	velocity	4.74	8.70	9.43	9.80	10.00	9.71	9.62	9.62	9.35	9.35	8.63		50.3 6.94 9.84 9.52

FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)*Matsuo (2015) - 2015 men's & women's 100m race analysis*

date	10-May-15	time	2.07	3.22	4.28	5.30	6.32	7.33	8.34	9.38	10.41	11.49	11.49	6 / 5	
reaction time		interval		1.15	1.06	1.02	1.02	1.01	1.01	1.04	1.03	1.08		# of strides	4.28 3.05 3.08
wind	1.2 m/s	velocity	4.83	8.70	9.43	9.80	9.80	9.90	9.90	9.62	9.71	9.26	8.70		50.7 7.01 9.84 9.74

FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)*Matsuo (2015) - 2015 men's & women's 100m race analysis*

date	19-Apr-15	time	2.07	3.22	4.27	5.29	6.30	7.31	8.33	9.36	10.40	11.47	11.47	6 / 1	
reaction time		interval		1.15	1.05	1.02	1.01	1.01	1.02	1.03	1.04	1.07		# of strides	4.27 3.04 3.09
wind	-0.2 m/s	velocity	4.83	8.70	9.52	9.80	9.90	9.90	9.80	9.71	9.62	9.35	8.72		50.0 7.03 9.87 9.71

FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN)*Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

date	11-May-14	time	2.09	3.24	4.29	5.31	6.31	7.32	8.32	9.35	10.39	11.45	11.45	5 / 2	
reaction time		interval		1.15	1.05	1.02	1.00	1.01	1.00	1.03	1.04	1.06		# of strides	4.29 3.03 3.07
wind	-0.8 m/s	velocity	4.78	8.70	9.52	9.80	10.00	9.90	10.00	9.71	9.62	9.43	8.73		51.6 6.99 9.90 9.77

A FINAL - 2014 Miko Oda Memorial (Hiroshima, JPN)*Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

date	29-Apr-14	time	2.07	3.20	4.23	5.23	6.21	7.19	8.19	9.19	10.22	11.28	11.28	4 / 1	
reaction time		interval		1.13	1.03	1.00	0.98	0.98	1.00	1.00	1.03	1.06		# of strides	4.23 2.96 3.03
wind	1.5 m/s	velocity	4.83	8.85	9.71	10.00	10.20	10.20	10.00	10.00	9.71	9.43	8.87		50.7 7.09 10.14 9.90

FINAL - 2011 Miko Oda Memorial (Hiroshima, JPN)*Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride*

date	29-Apr-11	time	2.05	3.21	4.25	5.25	6.24	7.22	8.21	9.21	10.23	11.27	11.27	5 / 1	
reaction time		interval		1.16	1.04	1.00	0.99	0.98	0.99	1.00	1.02	1.04		# of strides	4.25 2.97 3.01
wind	2.6 m/s	velocity	4.88	8.62	9.62	10.00	10.10	10.20	10.10	10.00	9.80	9.62	8.87		50.5 7.06 10.10 9.97

Brice, Tremedia (USA) (1981)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Semi-Final 1 - 2005 USATF National Championships (Carson, CA)***USATF Women's Sprint Development (2005)*

date	25-Jun-05	time	2.10	3.22	4.29	5.29	6.30	7.29	8.26	9.27	10.29	11.36	11.36	1 / 6			
reaction time		interval		1.12	1.07	1.00	1.01	0.99	0.97	1.01	1.02	1.07		# of strides	4.29	3.00	3.00
wind	3.0 m/s	velocity	4.76	8.93	9.35	10.00	9.90	10.10	10.31	9.90	9.80	9.35	8.80		6.99	10.00	10.00
Heat 1 - 2005 USATF National Championships (Carson, CA)														<i>USATF Women's Sprint Development (2005)</i>			
date	24-Jun-05	time	2.06	3.29	4.31	5.39	6.43	7.45	8.46	9.49	10.54	11.58	11.58	9 / 3			
reaction time		interval		1.23	1.02	1.08	1.04	1.02	1.01	1.03	1.05	1.04		# of strides	4.31	3.14	3.09
wind	-2.0 m/s	velocity	4.85	8.13	9.80	9.26	9.62	9.80	9.90	9.71	9.52	9.62	8.64		6.96	9.55	9.71
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>			
date	10-Jul-04	time	2.10	3.23	4.28	5.30	6.28	7.30	8.31	9.32	10.34	11.41	11.41	7 / 7 6			
reaction time		interval		1.13	1.05	1.02	0.98	1.02	1.01	1.01	1.02	1.07		# of strides	4.28	3.02	3.04
wind	-0.7 m/s	velocity	4.76	8.85	9.52	9.80	10.20	9.80	9.90	9.90	9.80	9.35	8.76	49.2	7.01	9.93	9.87
Quarter-Final 4 - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>			
date	09-Jul-04	time	2.19	3.33	4.37	5.37	6.37	7.37	8.39	9.41	10.44	11.50	11.50	5 / 4			
reaction time		interval		1.14	1.04	1.00	1.00	1.00	1.02	1.02	1.03	1.06		# of strides	4.37	3.00	3.07
wind	-0.8 m/s	velocity	4.57	8.77	9.62	10.00	10.00	10.00	9.80	9.80	9.71	9.43	8.70	49.7	6.86	10.00	9.77
Brisco, Mikiah (USA) (1996)																	
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)														<i>Omega Timing (2022) - diamond league race analysis</i>			
date	21-May-22	time		3.16		5.19		7.14		9.10		11.14	11.14	3 / 3			
reaction time	0.125	interval				2.03		1.95		1.96		2.04		# of strides			
wind	-0.1 m/s	velocity		6.33		9.85		10.26		10.20		9.80	8.98	48.2			
Broadus, Juanita (USA) (1985)																	
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	27-Jun-08	time	2.07	3.17	4.22	5.31	6.35	7.47	8.57	9.79	10.99	12.44	12.44	4 / 7			
reaction time		interval		1.10	1.05	1.09	1.04	1.12	1.10	1.22	1.20	1.45		# of strides	4.22	3.25	3.52
wind	3.5 m/s	velocity	4.83	9.09	9.52	9.17	9.62	8.93	9.09	8.20	8.33	6.90	8.04		7.11	9.23	8.52
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)														<i>USATF Women's Sprint Development (2003)</i>			
date	22-Jun-03	time	2.19	3.34	4.44	5.49	6.54	7.56	8.58	9.66	10.70	11.78	11.78	2 / 4			
reaction time		interval		1.15	1.10	1.05	1.05	1.02	1.02	1.08	1.04	1.08		# of strides	4.44	3.12	3.14
wind	0.7 m/s	velocity	4.57	8.70	9.09	9.52	9.52	9.80	9.80	9.26	9.62	9.26	8.49		6.76	9.62	9.55
Brookins, LaKya (USA) (1989)																	
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)														<i>USATF Women's Sprint Development (2006)</i>			
date	22-Jun-06	time	2.10	3.22	4.28	5.29	6.28	7.29	8.29	9.31	10.38	11.56	11.56	1 / 8			
reaction time		interval		1.12	1.06	1.01	0.99	1.01	1.00	1.02	1.07	1.18		# of strides	4.28	3.01	3.09
wind	1.2 m/s	velocity	4.76	8.93	9.43	9.90	10.10	9.90	10.00	9.80	9.35	8.47	8.65		7.01	9.97	9.71
Brooks, Sheri-Ann (JAM) (1983)																	
FINAL - 2009 ISTAF (Berlin, GER)														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
date	14-Jun-09	time		3.19	4.21	5.19		7.14		9.15		11.18	11.18	/ 3			
reaction time	0.165	interval			1.02	0.98		1.95		2.01		2.03		# of strides	4.21	2.93	
wind	0.1 m/s	velocity		6.27	9.80	10.20		10.26		9.95		9.85	8.94		7.13	10.24	
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)														<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>			
date	23-Sep-07	time		3.21	4.23	5.22		7.21		9.23		11.33	11.33	8 / 6			
reaction time	0.153	interval			1.02	0.99		1.99		2.02		2.10		# of strides	4.23	2.98	
wind	-0.6 m/s	velocity		6.23	9.80	10.10		10.05		9.90		9.52	8.83		7.09	10.07	
Brubak, Mari Gilde (NOR) (1990)																	
A FINAL - 2017 Windsprint (Sundsvall, SWE)														<i>(2017) - www.windsprint/Splittider/</i>			
date	30-Jul-17	time			4.47		6.56	7.61		9.78		11.98	11.98	7 / 6			
reaction time		interval					2.09	1.05		2.17		2.20		# of strides	4.47	3.14	
wind	0.3 m/s	velocity			6.71		9.57	9.52		9.22		9.09	8.35		6.71	9.55	
B FINAL - 2015 Windsprint (Sundsvall, SWE)														<i>(2015) - www.windsprint/Splittider/</i>			
date	26-Jul-15	time			4.44			7.59		9.75		11.97	11.97	4 / 2			
reaction time		interval						3.15		2.16		2.22		# of strides	4.44	3.15	
wind	2.1 m/s	velocity			6.76			9.52		9.26		9.01	8.35		6.76	9.52	
C FINAL - 2014 Windsprint (Sundsvall, SWE)														<i>(2014) - www.ssg.se/windsprint/Splittider/</i>			
date	20-Jul-14	time			4.50			7.76		9.94		12.18	12.18	3 / 3			
reaction time		interval						3.26		2.18		2.24		# of strides	4.50	3.26	
wind	0.7 m/s	velocity			6.67			9.20		9.17		8.93	8.21		6.67	9.20	
B FINAL - 2013 Windsprint (Sundsvall, SWE)														<i>(2013) - www.ssg.se/windsprint/Splittider/</i>			
date	28-Jul-13	time			4.51			7.64		9.75		11.97	11.97	1 / 5			
reaction time		interval						3.13		2.11		2.22		# of strides	4.51	3.13	

wind	2.6 m/s	velocity			6.65			9.58		9.48		9.01	8.35		6.65	9.58		
Bryant, Dezerea (USA) (1993)																		
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)																		
date	09-Sep-19	time				6.29						11.30	11.30	4 / 2	European Athletics (2019) - race analysis			
reaction time	0.171	interval										5.01		# of strides				
wind	-0.8 m/s	velocity				7.95						9.98	8.85	53.7				
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)																		
date	18-Aug-19	time		3.2	5.2		7.2		9.2		11.21	11.21	4 / 2	Omega Timing (2019) - diamond league race analysis				
reaction time	0.155	interval			2.0		2.0		2.0		2.01		# of strides					
wind	-0.9 m/s	velocity		6.25	10.00		10.00		10.00		9.95	8.92	54.0					
Brzezińska, Iwona (POL) (1986)																		
B FINAL - 2009 ISTAF (Berlin, GER)																		
date	14-Jun-09	time		3.26	4.32	5.35	7.41		9.52		11.65	11.65	1 / 8	Graubner (2009) - http://www.fgs.uni-halle.de				
reaction time	0.186	interval			1.06	1.03	2.06		2.11		2.13		# of strides	4.32	3.09			
wind	0.1 m/s	velocity		6.13	9.43	9.71	9.71		9.48		9.39	8.58	6.94	9.71				
Buckel, Carlotta (GER) (1991)																		
FINAL - 2010 German National Junior Championships (Ulm, GER)																		
date	06-Aug-10	time		3.52	4.64	5.73	7.88		10.06		12.31	12.31	1 / 7	Graubner (2010) - http://www.fgs.uni-halle.de				
reaction time		interval			1.12	1.09	2.15		2.18		2.25		# of strides	4.64	3.24			
wind	0.4 m/s	velocity		5.68	8.93	9.17	9.30		9.17		8.89	8.12	6.47	9.26				
Burghardt, Alexandra (GER) (1994)																		
FINAL - 2021 Athletissima (Lausanne, SUI)																		
date	26-Aug-21	time		3.2	5.2		7.2		9.1		11.12	11.12	1 / 8	Omega Timing (2021) - diamond league race analysis				
reaction time	0.155	interval			2.00		2.00		1.90		2.02		# of strides					
wind	1.7 m/s	velocity		6.25	10.00		10.00		10.53		9.90	8.99	48.0					
FINAL - 2010 German National Youth Championships (Ulm, GER)																		
date	07-Aug-10	time		3.37	4.45	5.50	7.58		9.72		11.95	11.95	1 / 4	Graubner (2010) - http://www.fgs.uni-halle.de				
reaction time		interval			1.08	1.05	2.08		2.14		2.23		# of strides	4.45	3.13			
wind	-0.3 m/s	velocity		5.93	9.26	9.52	9.62		9.35		8.97	8.37	6.74	9.58				
Semi-Final 3 - 2010 German National Youth Championships (Ulm, GER)																		
date	07-Aug-10	time		3.36	4.43	5.47	7.53		9.64		11.83	11.83	1 / 1	Graubner (2010) - http://www.fgs.uni-halle.de				
reaction time		interval			1.07	1.04	2.06		2.11		2.19	PB	# of strides	4.43	3.10			
wind	0.5 m/s	velocity		5.95	9.35	9.62	9.71		9.48		9.13	8.45	6.77	9.68				
Bürgi, Céline (SUI) (1999)																		
National B FINAL - 2023 Weltklasse (Zürich, SUI)																		
date	31-Aug-23	time		2.10	3.30	4.38	5.42	6.46	7.50	8.55	9.63	10.72	11.82	11.82	4 / 4	Omega Timing (2023) - diamond league race analysis		
reaction time	0.129	interval			1.20	1.08	1.04	1.04	1.04	1.05	1.08	1.09	1.10		# of strides	4.38	3.12	3.22
wind	-0.2 m/s	velocity		4.76	8.33	9.26	9.62	9.62	9.62	9.52	9.26	9.17	9.09	8.46		6.85	9.62	9.32
Burkett, Aspen (USA) (1976)																		
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)																		
date	15-Jun-96	time		2.12	4.33		6.44				10.38	11.45	11.45	7 / 7	USATF Women's Sprint Development (1996)			
reaction time		interval			2.21		2.11				3.94	1.07		# of strides	4.33			
wind	1,1 m/s	velocity		4.72	9.05		9.48				10.15	9.35	8.73	50.5	6.93			
Busk, Daniella (SWE) (1993)																		
National FINAL - 2021 Bauhaus Galan (Stockholm, SWE)																		
date	04-Jul-21	time		3.4		5.5		7.6		9.7		11.76	11.76	8 / 6	Omega Timing (2021) - diamond league race analysis			
reaction time	0.175	interval				2.10		2.10		2.10		2.06		# of strides				
wind	-1.3 m/s	velocity		5.88		9.52		9.52		9.52		9.71	8.50	49.5				
A FINAL - 2015 Windsprint (Sundsvall, SWE)																		
date	26-Jul-15	time			4.51		7.67		9.78		11.92	11.92	3 / 4	(2015) - www.windsprint/Splittider/				
reaction time		interval					3.16		2.11		2.14		# of strides	4.51	3.16			
wind	0.9 m/s	velocity			6.65		9.49		9.48		9.35	8.39		6.65	9.49			
A FINAL - 2013 Windsprint (Sundsvall, SWE)																		
date	28-Jul-13	time			4.44		7.50		9.55		11.68	11.68	7 / 6	(2013) - www.ssg.se/windsprint/Splittider/				
reaction time		interval					3.06		2.05		2.13		# of strides	4.44	3.06			
wind	2.2 m/s	velocity			6.76		9.80		9.76		9.39	8.56		6.76	9.80			
B FINAL - 2011 Windsprint (Sundsvall, SWE)																		
date	31-Jul-11	time			4.46		7.59		9.66		11.85	11.85	7 / 3	(2011) - www.ssg.se/en/Windsprint/Split-times/				
reaction time		interval					3.13		2.07		2.19		# of strides	4.46	3.13			

wind	3.4 m/s	velocity				6.73				9.58				9.66				9.13				8.44				6.73				9.58																	
Caisová, Hana (CZE) (1995)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m																														
Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																	<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																														
date	28-Jun-14	time	3.71			6.15			8.55			10.98			13.48			13.48			2 / 6																										
reaction time	0.212	interval	2.44			2.40			2.43			2.50						# of strides																													
wind	-0.1 m/s	velocity	5.39			8.20			8.33			8.23			8.00			7.42																													
Campbell-Brown, Veronica (JAM) (19			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m																														
FINAL - 2011 IAAF World Championships (Daegu, KOR)																	<i>KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011</i>																														
date	29-Aug-11	time	3.12			4.17			5.13			6.10			7.04			7.99			8.92			9.91			10.97			10.97			8 / 2														
reaction time	0.234	interval	1.05			0.96			0.97			0.94			0.95			0.93			0.99			1.06			# of strides			4.17			2.87			2.86											
wind	-1.4 m/s	velocity	6.41			9.52			10.42			10.31			10.64			10.53			10.75			10.10			9.43			9.12			49.6			7.19			10.45			10.49					
FINAL - 2010 Osaka Grand Prix (Osaka, JPN)																	<i>Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride</i>																														
date	08-May-10	time	2.03			3.15			4.17			5.16			6.12			7.08			8.04			9.01			10.00			11.02			11.02			/ 1											
reaction time		interval	1.12			1.02			0.99			0.96			0.96			0.96			0.97			0.99			1.02			# of strides			4.17			2.91			2.92								
wind	-0.1 m/s	velocity	4.93			8.93			9.80			10.10			10.42			10.42			10.31			10.10			9.80			9.07			50.3			7.19			10.31			10.27					
FINAL - 2009 IAAF World Championships (Berlin, GER)																	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>																														
date	17-Aug-09	time	3.12			4.14			5.12			7.06			8.97			10.95			10.95			6 / 4																							
reaction time	0.135	interval				1.02			0.98			1.94			1.91			1.98			# of strides			4.14			2.92																				
wind	0.1 m/s	velocity	6.41			9.80			10.20			10.31			10.47			10.10			9.13			49.5			7.25			10.27																	
Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)																	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>																														
date	17-Aug-09	time	3.13			4.16			5.15			7.10			9.02			11.00			11.00			3 / 2																							
reaction time	0.148	interval				1.03			0.99			1.95			1.92			1.98			# of strides			4.16			2.94																				
wind	-0.1 m/s	velocity	6.39			9.71			10.10			10.26			10.42			10.10			9.09			7.21			10.20																				
Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)																	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>																														
date	16-Aug-09	time	3.10			4.11			5.09			7.04			8.96			10.99			10.99			4 / 1																							
reaction time	0.156	interval				1.01			0.98			1.95			1.92			2.03			# of strides			4.11			2.93																				
wind	0.1 m/s	velocity	6.45			9.90			10.20			10.26			10.42			9.85			9.10			49.0			7.30			10.24																	
Heat 6 - 2009 IAAF World Championships (Berlin, GER)																	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>																														
date	16-Aug-09	time	3.12			4.15			5.15			7.17			9.19			11.34			11.34			3 / 1																							
reaction time	0.138	interval				1.03			1.00			2.02			2.02			2.15			# of strides			4.15			3.02																				
wind	-0.6 m/s	velocity	6.41			9.71			10.00			9.90			9.90			9.30			8.82			7.23			9.93																				
Campbell, Veronica (JAM) (1982)																	<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>																														
FINAL - 2007 IAAF World Championships (Osaka, JPN)																	<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>																														
date	27-Aug-07	time	2.01			3.14			4.15			5.11			6.07			7.02			7.97			8.96			9.97			11.01			11.01			7 / 1											
reaction time	0.167	interval	1.13			1.01			0.96			0.96			0.95			0.95			0.99			1.01			1.04			# of strides			4.15			2.87			2.95								
wind	-0.2 m/s	velocity	4.98			8.85			9.90			10.42			10.42			10.53			10.53			10.10			9.90			9.62			9.08			49.2			7.23			10.45			10.17		
Semi-Final 2 - 2007 IAAF World Championships (Osaka, JPN)																	<i>Matsuo (2009) - analysis of speed patterns in 100m sprints</i>																														
date	27-Aug-07	time	2.00			3.12			4.12			5.10			6.07			7.02			7.98			8.96			9.93			10.99			10.99			7 / 1											
reaction time	0.144	interval	1.12			1.00			0.98			0.97			0.95			0.96			0.98			0.97			1.06			# of strides			4.12			2.90			2.91								
wind	-0.1 m/s	velocity	5.00			8.93			10.00			10.20			10.31			10.53			10.42			10.20			10.31			9.43			9.10			48.2			7.28			10.34			10.31		
Carey, Annie (USA) (2004) (T44)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m																														
Para FINAL - 2023 Prefontaine Classic (Eugene, OR)																	<i>Omega Timing (2023) - diamond league race analysis</i>																														
date	17-Sep-23	time	2.51			3.90			5.20			6.48			7.76			9.06			10.37			11.70			13.09			14.53			14.53			7 / 8											
reaction time	0.262	interval	1.39			1.30			1.28			1.28			1.30			1.31			1.33			1.39			1.44			# of strides			5.20			3.86			4.03								
wind	0.7 m/s	velocity	3.98			7.19			7.69			7.81			7.81			7.69			7.63			7.52			7.19			6.94			6.88			5.77			7.77			7.44					
Carter, Antonette (USA) (1984)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m																														
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)																	<i>USATF Women's Sprint Development (2003)</i>																														
date	22-Jun-03	time	2.20			3.40			4.45			5.49			6.54			7.55			8.59			9.64			10.74			11.79			11.79			4 / 5											
reaction time		interval	1.20			1.05			1.04			1.05			1.01			1.04			1.05			1.10			1.05			# of strides			4.45			3.10			3.19								
wind	0.7 m/s	velocity	4.55			8.33			9.52			9.62			9.52			9.90			9.62			9.52			9.09			9.52			8.48			6.74			9.68			9.40					
Carter, Khrystal (USA) (1988)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m																														
FINAL - 2005 USATF National Junior Championships (Carson, CA)																	<i>USATF Women's Sprint Development (2005)</i>																														
date	23-Jun-05	time	2.18			3.37			4.47			5.52			6.57			7.62			8.67			9.74			10.83			11.96			11.96			9 / 8											
reaction time		interval	1.19			1.10			1.05			1.05			1.05			1.05			1.07			1.09			1.13			# of strides			4.47			3.15			3.21								
wind	-1.1 m/s	velocity	4.59			8.40			9.09			9.52			9.52			9.52			9.52			9.35			9.17			8.85			8.36			6.71			9.52			9.35					
Čechová, Katerina (CZE) (1988)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m																														
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)																	<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>																														
date	15-Jun-13	time	2.11			3.22			4.26			5.25			6.24			7.24			8.26			9.28			10.31			11.37			11.37			4 / 1											
reaction time	0.147	interval	1.11			1.04			0.99			0.99			1.00			1.02			1.02			1.03			1.06			# of strides			4.26			2.98			3.07								
wind	-0.2 m/s	velocity	4.74			9.01			9.62			10.10			10.10			10.00			9.80			9.80			9.71			9.43			8.80			7.04			10.07			9.77					

Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)															<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>														
date	15-Jun-13	time	3.22		5.30		7.32		8.34		11.46		11.46		4 / 1														
reaction time	0.147	interval			2.08		2.02		1.02		3.12				# of strides														
wind	-0.6 m/s	velocity	6.21		9.62		9.90		19.61		6.41		8.73																
FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)															<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>														
date	25-Feb-12	time	2.08	3.24	4.28	5.31	6.29	7.30					7.30		4 / 1														
reaction time	0.176	interval		1.16	1.04	1.03	0.98	1.01					PB		# of strides	4.28	3.02												
		velocity	4.81	8.62	9.62	9.71	10.20	9.90					8.22			7.01	9.93												
Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)															<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>														
date	25-Feb-12	time	2.11	3.25	4.33	5.35	6.35	7.36					7.35		4 / 1														
reaction time	0.150	interval		1.14	1.08	1.02	1.00	1.01							# of strides	4.33	3.03												
		velocity	4.74	8.77	9.26	9.80	10.00	9.90					8.16			6.93	9.90												
Heat 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)															<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>														
date	25-Feb-12	time	2.09	3.30	4.35	5.33	6.36	7.39					7.39		4 / 1														
reaction time	0.141	interval		1.21	1.05	0.98	1.03	1.03							# of strides	4.35	3.04												
		velocity	4.78	8.26	9.52	10.20	9.71	9.71					8.12			6.90	9.87												
C FINAL - 2009 ISTAF (Berlin, GER)															<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	14-Jun-09	time		3.28	4.35	5.38		7.46		9.60		11.75	11.75		/ 3														
reaction time	0.184	interval			1.07	1.03		2.08		2.14		2.15			# of strides	4.35	3.11												
wind	0.9 m/s	velocity		6.10	9.35	9.71		9.62		9.35		9.30	8.51			6.90	9.65												
Cederkvist, Astrid (NOR) (1994)															10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2012 Windsprint (Sundsvall, SWE)															<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>														
date	17-Jun-12	time			4.42			7.59		9.77		12.04	12.04		6 / 3														
reaction time		interval						3.17		2.18		2.27			# of strides	4.42	3.17												
wind	0.7 m/s	velocity			6.79			9.46		9.17		8.81	8.31			6.79	9.46												
C FINAL - 2011 Windsprint (Sundsvall, SWE)															<i>(2011) - www.ssg.se/en/Windsprint/Split-times/</i>														
date	31-Jul-11	time			4.54			7.70		9.91		12.21	12.21		4 / 2														
reaction time		interval						3.16		2.21		2.30			# of strides	4.54	3.16												
wind	1.2 m/s	velocity			6.61			9.49		9.05		8.70	8.19			6.61	9.49												
Černochová, Martina (CZE) (1994)															10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)															<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>														
date	15-Jun-13	time		3.30				5.43		7.50		9.71	11.98	11.98		3 / 4													
reaction time	0.159	interval						2.13		2.07		2.21	2.27		# of strides														
wind	-1.1 m/s	velocity		6.06				9.39		9.66		9.05	8.81	8.35															
FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)															<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>														
date	25-Feb-12	time	2.17	3.38	4.47	5.54	6.59	7.67					7.67		1 / 7														
reaction time	0.289	interval		1.21	1.09	1.07	1.05	1.08							# of strides	4.47	3.20												
		velocity	4.61	8.26	9.17	9.35	9.52	9.26					7.82			6.71	9.38												
Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)															<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>														
date	25-Feb-12	time	2.19	3.38	4.50	5.55	6.62	7.69					7.69		2 / 4														
reaction time	0.221	interval		1.19	1.12	1.05	1.07	1.07							# of strides	4.50	3.19												
		velocity	4.57	8.40	8.93	9.52	9.35	9.35					7.80			6.67	9.40												
Heat 3 - 2012 Czech Republic National Indoor Championships (Praha, CZE)															<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>														
date	25-Feb-12	time	2.15	3.37	4.53	5.59	6.68	7.75					7.75		5 / 3														
reaction time	0.190	interval		1.22	1.16	1.06	1.09	1.07							# of strides	4.53	3.22												
		velocity	4.65	8.20	8.62	9.43	9.17	9.35					7.74			6.62	9.32												
Chabrová, Marta (CZE) (1991)															10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)															<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>														
date	15-Jun-13	time		3.37				5.54		7.66		9.85	12.10	12.10		3 / 4													
reaction time	0.162	interval						2.17		2.12		2.19	2.25		# of strides														
wind	-1.3 m/s	velocity		5.93				9.22		9.43		9.13	8.89	8.26															
Chand, Dutee (IND) (1996)															10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2018 Asian Games (Jakarta, INA)															<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>														
date	26-Aug-18	time	1.98	3.12	4.16	5.16	6.15	7.15	8.15	9.18	10.23	11.32	11.32		7 / 2														
reaction time	0.149	interval		1.14	1.04	1.00	0.99	1.00	1.00	1.03	1.05	1.09			# of strides	4.16	2.99	3.08											
wind	0.3 m/s	velocity	5.05	8.77	9.62	10.00	10.10	10.00	10.00	9.71	9.52	9.17	8.83		55.5	7.21	10.03	9.74											
Cherry, Damu (USA) (1977)															10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2008 Seiko Super Grand Prix (Kawasaki, JPN)															<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>														

date	23-Sep-08	time	2.12	3.29	4.36	5.41	6.45	7.51	8.57	9.66	10.77	11.90	11.90	/ 4			
reaction time		interval		1.17	1.07	1.05	1.04	1.06	1.06	1.09	1.11	1.13		# of strides	4.36	3.15	3.26
wind	-0.6 m/s	velocity	4.72	8.55	9.35	9.52	9.62	9.43	9.43	9.17	9.01	8.85	8.40		6.88	9.52	9.20
Chiori, Narita (JPN) (2003)																	
U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																	
date	04-Oct-19	time		4.53		6.77						12.52	12.52	8 / 8			
reaction time	0.166	interval				2.24						5.75		# of strides	4.53		
wind	-1.8 m/s	velocity		6.62		2.95						8.70	7.99	55.0	6.62		
Chivás, Silvia (CUB) (1954)																	
FINAL - 1972 Olympic Games (Munich, FRG)																	
date	02-Sep-72	time		4.18		7.18		9.21		11.24	11.24			6 / 3			
reaction time		interval				3.00		2.03		2.03				# of strides	4.18	3.00	
wind	-0.2 m/s	velocity		7.18		10.00		9.85		9.85		8.90		52.5	7.18	10.00	
Chodorová, Simona (CZE) (1998)																	
Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)																	
date	28-Jun-14	time		3.65		6.03		8.42		10.85		13.32	13.32	8 / 8			
reaction time	0.233	interval				2.38		2.39		2.43		2.47		# of strides			
wind	-1.4 m/s	velocity		5.48		8.40		8.37		8.23		8.10	7.51				
Chukwuma, Rosemary (NGR) (1996)																	
FINAL - 2022 Commonwealth Games (Birmingham, GBR)																	
date	03-Aug-22	time		3.1		5.1		7.1		9.1		11.17	11.17	3 / 4			
reaction time	0.143	interval				2.00		2.00		2.00		2.07		# of strides			
wind	0.4 m/s	velocity		6.45		10.00		10.00		10.00		9.66	8.95	52.0			
Chválková, Adéla (CZE) (1989)																	
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)																	
date	15-Jun-13	time		3.33		5.53		7.66		9.93		12.22	12.22	2 / 5			
reaction time	0.132	interval				2.20		2.13		2.27		2.29		# of strides			
wind	-0.6 m/s	velocity		6.01		9.09		9.39		8.81		8.73	8.18				
FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)																	
date	25-Feb-12	time	2.17	3.38	4.47	5.54	6.59	7.68				7.68		2 / 8			
reaction time	0.170	interval		1.21	1.09	1.07	1.05	1.09						# of strides	4.47	3.21	
		velocity	4.61	8.26	9.17	9.35	9.52	9.17				7.81			6.71	9.35	
Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)																	
date	25-Feb-12	time	2.13	3.34	4.43	5.52	6.57	7.65				7.65		2 / 4			
reaction time	0.160	interval		1.21	1.09	1.09	1.05	1.08						# of strides	4.43	3.22	
		velocity	4.69	8.26	9.17	9.17	9.52	9.26				7.84			6.77	9.32	
Heat 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)																	
date	25-Feb-12	time	2.18	3.42	4.53	5.60	6.68	7.76				7.76		2 / 4			
reaction time	0.181	interval		1.24	1.11	1.07	1.08	1.08						# of strides	4.53	3.23	
		velocity	4.59	8.06	9.01	9.35	9.26	9.26				7.73			6.62	9.29	
Clark, Tamara (USA) (1999)																	
FINAL - 2023 Weltklasse (Zürich, SUI)																	
date	31-Aug-23	time	2.01	3.17	4.22	5.23	6.22	7.20	8.19	9.19	10.20	11.23	11.23	9 / 8			
reaction time	0.136	interval		1.16	1.05	1.01	0.99	0.98	0.99	1.00	1.01	1.03		# of strides	4.22	2.98	3.00
wind	-0.2 m/s	velocity	4.98	8.62	9.52	9.90	10.10	10.20	10.10	10.00	9.90	9.71	8.90	52.2	7.11	10.07	10.00
FINAL - 2022 Memorial van Damme (Brussels, BEL)																	
date	02-Sep-22	time		3.14		5.15		7.09		9.03		11.03	11.03	2 / 6			
reaction time	0.142	interval				2.01		1.94		1.94		2.00		# of strides			
wind	0.6 m/s	velocity		6.37		9.95		10.31		10.31		10.00	9.07	51.2			
FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)																	
date	10-Aug-22	time		3.14		5.14		7.06		9.00		10.96	10.96	1 / 7			
reaction time	0.159	interval				2.00		1.92		1.94		1.96		# of strides			
wind	0.4 m/s	velocity		6.37		10.00		10.42		10.31		10.20	9.12	51.2			
Cola, Francesca (ITA) (1973)																	
B FINAL - 2001 European Cup (Bremen, GER)																	
date	23-Jun-01	time		3.35		4.45		5.51		7.58		9.66		11.80	11.80	/ 8	
reaction time	0.164	interval				1.10	1.06		2.07		2.08		2.14		# of strides	4.45	3.13
wind	1.8 m/s	velocity		5.97		9.09	9.43		9.66		9.62		9.35	8.47		6.74	9.58
Colander, LaTasha (USA) (1976)																	

FINAL - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>			
date	10-Jul-04	time	2.08	3.19	4.23	5.19	6.14	7.11	8.04	9.00	9.97	10.97	10.97	3 / 1			
reaction time	0.175	interval		1.11	1.04	0.96	0.95	0.97	0.93	0.96	0.97	1.00	PB	# of strides	4.23	2.88	2.86
wind	0.1 m/s	velocity	4.81	9.01	9.62	10.42	10.53	10.31	10.75	10.42	10.31	10.00	9.12	51.0	7.09	10.42	10.49
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>			
date	10-Jul-04	time	2.14	3.29	4.31	5.27	6.24	7.22	8.16	9.13	10.15	11.14	11.14	3 / 2 1			
reaction time		interval		1.15	1.02	0.96	0.97	0.98	0.94	0.97	1.02	0.99		# of strides	4.31	2.91	2.93
wind	-0.7 m/s	velocity	4.67	8.70	9.80	10.42	10.31	10.20	10.64	10.31	9.80	10.10	8.98	51.0	6.96	10.31	10.24
Quarter-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>			
date	09-Jul-04	time	2.12	3.25	4.31	5.30	6.26	7.24	8.21	9.21	10.23	11.35	11.35	6 / 1			
reaction time		interval		1.13	1.06	0.99	0.96	0.98	0.97	1.00	1.02	1.12		# of strides	4.31	2.93	2.99
wind	-1.6 m/s	velocity	4.72	8.85	9.43	10.10	10.42	10.20	10.31	10.00	9.80	8.93	8.81	51.2	6.96	10.24	10.03
Collier, Ashley (USA) (1992)														10m	20m	30m	40m
FINAL - 2008 USATF National Junior Championships (Columbus, OH)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	20-Jun-08	time	2.18	3.35	4.43	5.45	6.51	7.56	8.58	9.69	10.74	11.86	11.86	8 / 8			
reaction time		interval		1.17	1.08	1.02	1.06	1.05	1.02	1.11	1.05	1.12		# of strides	4.43	3.13	3.18
wind	1.3 m/s	velocity	4.59	8.55	9.26	9.80	9.43	9.52	9.80	9.01	9.52	8.93	8.43		6.77	9.58	9.43
Combe, Delphine (FRA) (1974)														10m	20m	30m	40m
Semi-Final 1 - 2002 European Championships (Munich, GER)														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
date	07-Aug-02	time	3.28	4.35	5.38		7.41		9.49		11.65	11.65		/ 8			
reaction time	0.164	interval		1.07	1.03		2.03		2.08		2.16			# of strides	4.35	3.06	
wind	0.0 m/s	velocity	6.10	9.35	9.71		9.85		9.62		9.26	8.58			6.90	9.80	
Heat 4 - 2002 European Championships (Munich, GER)														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
date	06-Aug-02	time	3.25	4.31	5.34		7.34		9.37		11.45	11.45		/ 3			
reaction time	0.154	interval		1.06	1.03		2.00		2.03		2.08			# of strides	4.31	3.03	
wind	0.3 m/s	velocity	6.15	9.43	9.71		10.00		9.85		9.62	8.73			6.96	9.90	
B FINAL - 2001 European Cup (Bremen, GER)														<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>			
date	23-Jun-01	time	3.37	4.46	5.51		7.58		9.66		11.79	11.79		/ 7			
reaction time	0.124	interval		1.09	1.05		2.07		2.08		2.13			# of strides	4.46	3.12	
wind	1.8 m/s	velocity	5.93	9.17	9.52		9.66		9.62		9.39	8.48			6.73	9.62	
Cunliffe, Hannah (USA) (1996)														10m	20m	30m	40m
FINAL - 2021 Doha Diamond League (Doha, QAT)														<i>Omega Timing (2021) - diamond league race analysis</i>			
date	28-May-21	time	3.2		5.2		7.2		9.2		11.22	11.22		7 / 5			
reaction time	0.135	interval			2.00		2.00		2.00		2.02			# of strides			
wind	1.1 m/s	velocity	6.25		10.00		10.00		10.00		9.90	8.91		50.0			
FINAL - 2020 Millrose Games (New York, NY)														<i>PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/</i>			
date	08-Feb-20	time	2.17	3.27	4.29	5.33	6.32	7.30				7.30		7 / 5			
reaction time	0.147	interval		1.10	1.02	1.04	0.99	0.98						# of strides	4.29	3.01	
		velocity	4.61	9.09	9.80	9.62	10.10	10.20				8.22		31.0	6.99	9.97	
Cunningham, Nadia (JAM) (1978)														10m	20m	30m	40m
FINAL - 2007 Windsprint (Sundsvall, SWE)														<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	24-Jul-07	time		4.43			7.58		9.71		11.92	11.92		/ 2			
reaction time		interval					3.15		2.13		2.21			# of strides	4.43	3.15	
wind	1.0 m/s	velocity		6.77			9.52		9.39		9.05	8.39			6.77	9.52	
Cuthbert, Juliet (JAM) (1964)														10m	20m	30m	40m
FINAL - 1992 Olympic Games (Barcelona, ESP)														<i>Arnold (1992) - 1992 Olympic report: 100m men</i>			
date	01-Aug-92	time	3.12		5.09		6.97		8.91		10.83	10.83		3 / 2			
reaction time	0.163	interval			1.97		1.88		1.94		1.92	PB		# of strides			
wind	-1.0 m/s	velocity	6.41		10.15		10.64		10.31		10.42	9.23		49.5			
FINAL - 1988 Olympic Games (Seoul, KOR)														<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>			
date	25-Sep-88	time	2.03	3.15	4.18	5.14	6.10	7.07	8.04	9.07	10.14	11.26	11.26	7 / 7			
reaction time	0.165	interval		1.12	1.03	0.96	0.96	0.97	0.97	1.03	1.07	1.12		# of strides	4.18	2.89	3.07
wind	3.0 m/s	velocity	4.93	8.93	9.71	10.42	10.42	10.31	10.31	9.71	9.35	8.93	8.88	48.8	7.18	10.38	9.77
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)														<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>			
date	25-Sep-88	time	2.05	3.21	4.25	5.23	6.18	7.13	8.11	9.10	10.10	11.10	11.10	2 / 4			
reaction time	0.156	interval		1.16	1.04	0.98	0.95	0.95	0.98	0.99	1.00	1.00		# of strides	4.25	2.88	2.97
wind	0.5 m/s	velocity	4.88	8.62	9.62	10.20	10.53	10.53	10.20	10.10	10.00	10.00	9.01		7.06	10.42	10.10
Dagry, Samantha (SUI) (1994)														10m	20m	30m	40m
FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)														<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>			

date	21-May-16	time	6.64	12.23	12.23	/ 4
reaction time		interval		5.59		# of strides
wind	-1.8m/s	velocity	7.53	8.94	8.18	

FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)

Swiss Athletics (2016) - sprint and hurdle analysis

date	27-Feb-16	time	4.47	7.65	7.65	/ 7
reaction time		interval		3.18	=PB	# of strides
		velocity	6.71	9.43	7.84	32.8
						4.47 3.18 6.71 9.43

Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)

Swiss Athletics (2016) - sprint and hurdle analysis

date	27-Feb-16	time	4.48	7.65	7.65	/ 4
reaction time		interval		3.17	PB	# of strides
		velocity	6.70	9.46	7.84	32.8
						4.48 3.17 6.70 9.46

Daigle-Bowen, Angela (USA) (1976)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 5 - 2008 USA Olympic Trials (Eugene, OR)

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.08	3.20	4.26	5.24	6.24	7.26	8.25	9.30	10.34	11.39	11.39	4 / 6			
reaction time		interval		1.12	1.06	0.98	1.00	1.02	0.99	1.05	1.04	1.05		# of strides	4.26	3.00	3.08
wind	2.2 m/s	velocity	4.81	8.93	9.43	10.20	10.00	9.80	10.10	9.52	9.62	9.52	8.78		7.04	10.00	9.74

Daigle, Angela (USA) (1976)**FINAL - 2005 USATF National Championships (Carson, CA)**

USATF Women's Sprint Development (2005)

date	25-Jun-05	time	1.99	3.14	4.18	5.19	6.21	7.23	8.21	9.24	10.31	11.41	11.41	7 / 6			
reaction time		interval		1.15	1.04	1.01	1.02	1.02	0.98	1.03	1.07	1.10		# of strides	4.18	3.05	3.08
wind	-1.6 m/s	velocity	5.03	8.70	9.62	9.90	9.80	9.80	10.20	9.71	9.35	9.09	8.76		52.5	7.18	9.84

Semi-Final 2 - 2005 USATF National Championships (Carson, CA)

USATF Women's Sprint Development (2005)

date	25-Jun-05	time	2.02	3.14	4.14	5.11	6.13	7.11	8.06	9.04	10.04	11.09	11.09	6 / 2			
reaction time		interval		1.12	1.00	0.97	1.02	0.98	0.95	0.98	1.00	1.05		# of strides	4.14	2.97	2.93
wind	2.1 m/s	velocity	4.95	8.93	10.00	10.31	9.80	10.20	10.53	10.20	10.00	9.52	9.02		7.25	10.10	10.24

Heat 1 - 2005 USATF National Championships (Carson, CA)

USATF Women's Sprint Development (2005)

date	24-Jun-05	time	2.03	3.19	4.22	5.27	6.29	7.26	8.24	9.29	10.34	11.40	11.40	8 / 1			
reaction time		interval		1.16	1.03	1.05	1.02	0.97	0.98	1.05	1.05	1.06		# of strides	4.22	3.04	3.08
wind	-2.0 m/s	velocity	4.93	8.62	9.71	9.52	9.80	10.31	10.20	9.52	9.52	9.43	8.77		7.11	9.87	9.74

FINAL - 2004 USA Olympic Trials (Sacramento, CA)

USATF Women's Sprint Development (2004)

date	10-Jul-04	time	2.03	3.15	4.17	5.19	6.16	7.14	8.14	9.16	10.17	11.23	11.23	8 / 3 7			
reaction time		interval		1.12	1.02	1.02	0.97	0.98	1.00	1.02	1.01	1.06	PB	# of strides	4.17	2.97	3.03
wind	0.1 m/s	velocity	4.93	8.93	9.80	9.80	10.31	10.20	10.00	9.80	9.90	9.43	8.90		51.5	7.19	10.10

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

USATF Women's Sprint Development (2004)

date	10-Jul-04	time	2.05	3.15	4.18	5.18	6.14	7.16	8.14	9.14	10.19	11.27	11.27	1 / 4 3			
reaction time		interval		1.10	1.03	1.00	0.96	1.02	0.98	1.00	1.05	1.08		# of strides	4.18	2.98	3.03
wind	-0.7 m/s	velocity	4.88	9.09	9.71	10.00	10.42	9.80	10.20	10.00	9.52	9.26	8.87		51.5	7.18	10.07

Quarter-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)

USATF Women's Sprint Development (2004)

date	09-Jul-04	time	2.07	3.15	4.17	5.19	6.17	7.18	8.17	9.23	10.29	11.42	11.42	7 / 3 2			
reaction time		interval		1.08	1.02	1.02	0.98	1.01	0.99	1.06	1.06	1.13		# of strides	4.17	3.01	3.11
wind	-1.0 m/s	velocity	4.83	9.26	9.80	9.80	10.20	9.90	10.10	9.43	9.43	8.85	8.76		52.0	7.19	9.97

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

USATF Women's Sprint Development (2003)

date	20-Jun-03	time	2.07	3.23	4.24	5.25	6.25	7.26	8.26	9.30	10.33	11.39	11.39	8 / 3 6			
reaction time		interval		1.16	1.01	1.01	1.00	1.01	1.00	1.04	1.03	1.06		# of strides	4.24	3.02	3.07
wind	-1.1 m/s	velocity	4.83	8.62	9.90	9.90	10.00	9.90	10.00	9.62	9.71	9.43	8.78		7.08	9.93	9.77

Daniels, Teahna (USA) (1997)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2023 FBK Games (Hengelo, NED)

Omega Timing (2023) - continental tour race analysis

date	04-Jun-23	time	2.08	3.24	4.30	5.31	6.31	7.32	8.35	9.39	10.44	11.57	11.57	3 / 9			
reaction time		interval		1.16	1.06	1.01	1.00	1.01	1.03	1.04	1.05	1.13		# of strides	4.30	3.02	3.12
wind	-0.1 m/s	velocity	4.81	8.62	9.43	9.90	10.00	9.90	9.71	9.62	9.52	8.85	8.64		49.0	6.98	9.93

FINAL - 2022 Prefontaine Classic (Eugene, OR)

Omega Timing (2022) - diamond league race analysis

date	28-May-22	time	3.15		5.17		7.13		9.09		11.13	11.13	8 / 8				
reaction time	0.131	interval			2.02		1.96		1.96		2.04		# of strides				
wind	0.7 m/s	velocity	6.35		9.90		10.20		10.20		9.80	8.98		49.0			

FINAL - 2021 Prefontaine Classic (Eugene, OR)

Omega Timing (2021) - diamond league race analysis

date	21-Aug-21	time	3.1		5.1		7.0		8.9		10.83	10.83	1 / 4				
reaction time	0.129	interval			2.00		1.90		1.90		1.93	PB	# of strides				
wind	0.9 m/s	velocity	6.45		10.00		10.53		10.53		10.36	9.23		48.0			

FINAL - 2020 Olympic Games (Tokyo, JPN)

Vazel (2021) - analyzing the olympic 100-meter sprints

date	31-Jul-21	time				4.17			7.08	9.03	11.02	11.02	3 / 7					
reaction time	0.144	interval							2.91	3.94	1.99		# of strides	4.17	2.91			
wind	-0.6 m/s	velocity				7.19			10.31	5.08	10.05	9.07	48.0	7.19	10.31			
FINAL - 2020 Millrose Games (New York, NY)										PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/								
date	08-Feb-20	time	2.17	3.26	4.30	5.29	6.29	7.29			7.29		4 / 4					
reaction time	0.162	interval		1.09	1.04	0.99	1.00	1.00					# of strides	4.30	2.99			
		velocity	4.61	9.17	9.62	10.10	10.00	10.00				8.23	31.2	6.98	10.03			
FINAL - 2019 Meeting de Paris (Paris, FRA)										Omega Timing (2019) - <i>diamond league race analysis</i>								
date	24-Aug-19	time					6.2				11.16	11.16	3 / 4					
reaction time	0.158	interval									4.96		# of strides					
wind	-0.2 m/s	velocity					8.06				10.08	8.96	48.0					
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)										Omega Timing (2019) - <i>diamond league race analysis</i>								
date	18-Aug-19	time		3.2		5.2		7.2	9.2	11.24	11.24		5 / 3					
reaction time	0.132	interval				2.0		2.0	2.0	2.04			# of strides					
wind	-0.9 m/s	velocity		6.25		10.00		10.00	10.00	9.80	8.90		48.0					
Davies, Samantha (GBR) (1979)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
C FINAL - 2001 European Cup (Bremen, GER)										Graubner (2007) - http://www.fgs.uni-halle.de								
date	23-Jun-01	time		3.31	4.39	5.44		7.52		9.62		11.77	11.77	/ 6				
reaction time	0.173	interval			1.08	1.05		2.08		2.10		2.15		# of strides	4.39	3.13		
wind	-0.2 m/s	velocity		6.04	9.26	9.52		9.62		9.52		9.30	8.50	6.83	9.58			
Davin, Elisabeth (BEL) (1981)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2010 Windsprint (Sundsvall, SWE)										(2010) - www.ssg.se/en/Windsprint/Split-times/								
date	08-Aug-10	time			4.36			7.49		9.60		11.83	11.83	/ 5				
reaction time		interval						3.13		2.11		2.23		# of strides	4.36	3.13		
wind	2.4 m/s	velocity			6.88			9.58		9.48		8.97	8.45	6.88	9.58			
Davis, Candice (USA) (1985)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2008 Seiko Super Grand Prix (Kawasaki, JPN)										Akirabun (2009) - <i>race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>								
date	23-Sep-08	time		2.11	3.30	4.39	5.45	6.49	7.54	8.61	9.69	10.79	11.89	11.89	/ 2			
reaction time		interval			1.19	1.09	1.06	1.04	1.05	1.07	1.08	1.10	1.10		# of strides	4.39	3.15	3.25
wind	-0.6 m/s	velocity		4.74	8.40	9.17	9.43	9.62	9.52	9.35	9.26	9.09	9.09	8.41	6.83	9.52	9.23	
Davis, Kristina (USA) (1988)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2005 USATF National Junior Championships (Carson, CA)										USATF Women's Sprint Development (2005)								
date	23-Jun-05	time		2.12	3.29	4.39	5.46	6.52	7.58	8.63	9.71	10.75	11.67	11.87	2 / 4			
reaction time		interval			1.17	1.10	1.07	1.06	1.06	1.05	1.08	1.04	0.92		# of strides	4.39	3.19	3.17
wind	-1.1 m/s	velocity		4.72	8.55	9.09	9.35	9.43	9.43	9.52	9.26	9.62	10.87	8.42	6.83	9.40	9.46	
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)										USATF Women's Sprint Development (2003)								
date	22-Jun-03	time		2.15	3.32	4.40	5.47	6.54	7.57	8.59	9.68	10.79	11.89	11.89	3 / 6			
reaction time		interval			1.17	1.08	1.07	1.07	1.03	1.02	1.09	1.11	1.10		# of strides	4.40	3.17	3.22
wind	0.7 m/s	velocity		4.65	8.55	9.26	9.35	9.35	9.71	9.80	9.17	9.01	9.09	8.41	6.82	9.46	9.32	
Davis, Iris (USA) (1950)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 1972 Olympic Games (Munich, FRG)										Breizer (1984) - <i>sprint competition analysis</i>								
date	02-Sep-72	time			4.18			7.20		9.25		11.32	11.32	4 / 4				
reaction time		interval						3.02		2.05		2.07		# of strides	4.18	3.02		
wind	-0.2 m/s	velocity			7.18			9.93		9.76		9.66	8.83	51.5	7.18	9.93		
Davis, Tamari (USA) (2003)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2022 Athletissima (Lausanne, SUI)										Omega Timing (2022) - <i>diamond league race analysis</i>								
date	26-Aug-22	time		3.03		5.02		6.94		8.89		10.94	10.94	1 / 4				
reaction time	0.115	interval			1.99		1.92	1.95		2.05				# of strides				
wind	0.0 m/s	velocity		6.60		10.05		10.42		10.26		9.76	9.14	48.0				
Davis-Thompson, Pauline (BAH) (196																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)										Brüggemann (1990) - <i>scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	25-Sep-88	time		2.07	3.20	4.27	5.28	6.27	7.23	8.19	9.16	10.13	11.12	11.12	1 / 6			
reaction time	0.203	interval			1.13	1.07	1.01	0.99	0.96	0.96	0.97	0.97	0.99		# of strides	4.27	2.96	2.90
wind	2.6 m/s	velocity		4.83	8.85	9.35	9.90	10.10	10.42	10.42	10.31	10.31	10.10	8.99	7.03	10.14	10.34	
de Moura, Lucimar (BRA) (1974)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Quarter-Final 4 - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - <i>biomechanical analyses at the 12th IAAF world championships</i>								
date	16-Aug-09	time		3.19	4.24	5.26		7.30		9.32		11.44	11.44	8 / 5				
reaction time	0.153	interval			1.05	1.02		2.04		2.02		2.12		# of strides	4.24	3.06		
wind	-0.4 m/s	velocity		6.27	9.52	9.80		9.80		9.90		9.43	8.74	7.08	9.80			

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

date	16-Aug-09	time	3.21	4.27	5.29	7.33	9.32	11.41	11.41	2 / 1		
reaction time	0.129	interval		1.06	1.02	2.04	1.99	2.09		# of strides	4.27	3.06
wind	0.1 m/s	velocity	6.23	9.43	9.80	9.80	10.05	9.57	8.76		7.03	9.80

Graubner (2009) - biomechanical analyses at the 12th IAAF world championships**de Raedt, Jana (BEL) (2007)**

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)

date	08-Sep-23	time	2.19	3.41	4.50	5.58	6.64	7.70	8.78	9.87	10.97	12.11	12.11	6 / 4			
reaction time	0.188	interval		1.22	1.09	1.08	1.06	1.06	1.08	1.09	1.10	1.14		# of strides	4.50	3.20	3.27
wind	0.4 m/s	velocity	4.57	8.20	9.17	9.26	9.43	9.43	9.26	9.17	9.09	8.77	8.26		6.67	9.38	9.17

Omega Timing (2023) - diamond league race analysis**Del Ponte, Ajla (SUI) (1996)**

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 2022 Meeting de Paris (Paris, FRA)

date	18-Jun-22	time	3.18	5.22	7.22	9.24	11.34	11.34	6 / 8			
reaction time	0.143	interval		2.04	2.00	2.02	2.10		# of strides			
wind	0.5 m/s	velocity	6.29	9.80	10.00	9.90	9.52	8.82	50.5			

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

date	05-Jun-22	time	3.19	5.24	7.24	9.28	11.42	11.42	7 / 5			
reaction time	0.125	interval		2.05	2.00	2.04	2.14		# of strides			
wind	0.3 m/s	velocity	6.27	9.76	10.00	9.80	9.35	8.76	51.0			

Omega Timing (2022) - diamond league race analysis**FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)**

date	21-May-22	time	3.24	5.36	7.44	9.55	11.72	11.72	8 / 9			
reaction time	0.138	interval		2.12	2.08	2.11	2.17		# of strides			
wind	-0.1 m/s	velocity	6.17	9.43	9.62	9.48	9.22	8.53	51.7			

Omega Timing (2022) - diamond league race analysis**FINAL - 2021 Weltklasse (Zürich, SUI)**

date	09-Sep-21	time	3.2	5.1	7.1	9.0	10.93	10.93	6 / 3			
reaction time	0.116	interval		1.90	2.00	1.90	1.93		# of strides			
wind	0.6 m/s	velocity	6.25	10.53	10.00	10.53	10.36	9.15	50.5			

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

date	26-Aug-21	time	3.2	5.2	7.1	9.0	10.97	10.97	2 / 6			
reaction time	0.129	interval		2.00	1.90	1.90	1.97		# of strides			
wind	1.7 m/s	velocity	6.25	10.00	10.53	10.53	10.15	9.12	49.7			

Omega Timing (2021) - diamond league race analysis**FINAL - 2020 Olympic Games (Tokyo, JPN)**

date	31-Jul-21	time	4.14	7.04	8.99	10.97	10.97	8 / 5			
reaction time	0.129	interval		2.90	3.93	1.98		# of strides	4.14	2.90	
wind	-0.6 m/s	velocity	7.25	10.34	5.09	10.10	9.12	49.7	7.25	10.34	

Vazel (2021) - analyzing the olympic 100-meter sprints**FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)**

date	13-Jul-21	time	3.3	5.3	7.2	9.2	11.19	11.19	5 / 1			
reaction time	0.178	interval		2.00	1.90	2.00	1.99		# of strides			
wind	1.5 m/s	velocity	6.06	10.00	10.53	10.00	10.05	8.94				

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

date	28-May-21	time	3.2	5.3	7.3	9.3	11.36	11.36	8 / 7			
reaction time	0.132	interval		2.10	2.00	2.00	2.06		# of strides			
wind	1.1 m/s	velocity	6.25	9.52	10.00	10.00	9.71	8.80	50.2			

Omega Timing (2021) - diamond league race analysis**FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)**

date	17-Sep-20	time	3.2	5.2	7.2	9.2	11.19	11.19	6 / 4			
reaction time	0.121	interval		2.00	2.00	2.00	1.99		# of strides			
wind	0.2 m/s	velocity	6.25	10.00	10.00	10.00	10.05	8.94	50.0			

Omega Timing (2020) - diamond league race analysis**FINAL - 2020 Bauhaus Galan (Stockholm, SWE)**

date	23-Aug-20	time	3.3	5.3	7.2	9.2	11.20	11.20	5 / 1			
reaction time	0.150	interval		2.00	1.90	2.00	2.00		# of strides			
wind	1.3 m/s	velocity	6.06	10.00	10.53	10.00	10.00	8.93	50.2			

Omega Timing (2020) - diamond league race analysis**FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI)**

date	07-May-16	time	6.46	11.85	11.85	/ 3						
reaction time		interval		5.39		# of strides						
wind	0.4 m/s	velocity	7.74	9.28	8.44							

Swiss Athletics (2016) - sprint and hurdle analysis**FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)**

date	27-Feb-16	time	4.38	7.52	7.52	/ 4						
reaction time		interval		3.14		# of strides	4.38	3.14				
		velocity	6.85	9.55	7.98	32.8	6.85	9.55				

Swiss Athletics (2016) - sprint and hurdle analysis

Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)

Swiss Athletics (2016) - sprint and hurdle analysis

date	27-Feb-16	time	4.42	7.56	7.56	/ 2													
reaction time		interval		3.14			# of strides	4.42	3.14										
		velocity	6.79	9.55	7.94			6.79	9.55										

Devers, Gail (USA) (1966)**FINAL - 2004 USA Olympic Trials (Sacramento, CA)** *USATF Women's Sprint Development (2004)*

date	10-Jul-04	time	2.04	3.11	4.16	5.13	6.08	7.07	8.04	9.04	10.05	11.11	11.11	1 / 4 3					
reaction time	0.145	interval		1.07	1.05	0.97	0.95	0.99	0.97	1.00	1.01	1.06		# of strides	4.16	2.91	2.98		
wind	0.1 m/s	velocity	4.90	9.35	9.52	10.31	10.53	10.10	10.31	10.00	9.90	9.43	9.00	48.0	7.21	10.31	10.07		

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

date	10-Jul-04	time	2.07	3.16	4.16	5.16	6.12	7.11	8.09	9.09	10.11	11.18	11.18	5 / 4 3					
reaction time		interval		1.09	1.00	1.00	0.96	0.99	0.98	1.00	1.02	1.07		# of strides	4.16	2.95	3.00		
wind	-0.1 m/s	velocity	4.83	9.17	10.00	10.00	10.42	10.10	10.20	10.00	9.80	9.35	8.94	48.0	7.21	10.17	10.00		

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

date	09-Jul-04	time	2.05	3.16	4.19	5.21	6.17	7.17	8.16	9.18	10.24	11.36	11.36	4 / 2 1					
reaction time		interval		1.11	1.03	1.02	0.96	1.00	0.99	1.02	1.06	1.12		# of strides	4.19	2.98	3.07		
wind	-1.0 m/s	velocity	4.88	9.01	9.71	9.80	10.42	10.00	10.10	9.80	9.43	8.93	8.80	48.7	7.16	10.07	9.77		

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

date	20-Jun-03	time	2.10	3.17	4.19	5.19	6.16	7.14	8.11	9.11	10.14	11.16	11.16	6 / 3 2					
reaction time		interval		1.07	1.02	1.00	0.97	0.98	0.97	1.00	1.03	1.02		# of strides	4.19	2.95	3.00		
wind	-1.1 m/s	velocity	4.76	9.35	9.80	10.00	10.31	10.20	10.31	10.00	9.71	9.80	8.96		7.16	10.17	10.00		

FINAL - 1999 IAAF World Championships (Sevilla, ESP)*Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	22-Aug-99	time	1.84	2.94	3.94	4.93	5.87	6.84	7.82	8.79	9.79	10.83	10.95	6 / 5					
reaction time	0.125	interval		1.10	1.00	0.99	0.94	0.97	0.98	0.97	1.00	1.04		# of strides	3.94	2.90	2.95		
wind	-0.1 m/s	velocity	5.43	9.09	10.00	10.10	10.64	10.31	10.20	10.31	10.00	9.62	9.13		7.61	10.34	10.17		

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

date	15-Jun-96	time	1.89		4.10		5.98				9.85	10.91	10.91	3 / 2					
reaction time		interval			2.21		1.88				3.87	1.06		# of strides	4.10				
wind	1.1 m/s	velocity	5.29		9.05		10.64				10.34	9.43	9.17	48.5	7.32				

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

date	15-Jun-96	time	1.96		4.04		6.04				9.96	10.98	10.98	3 / 2					
reaction time		interval			2.08		2.00				3.92	1.02		# of strides	4.04				
wind	1,1 m/s	velocity	5.10		9.62		10.00				10.20	9.80	9.11	48.8	7.43				

FINAL - 1993 IAAF World Championships (Stuttgart, GER)*Graubner (2007) - <http://www.fgs.uni-halle.de>*

date	16-Aug-93	time		4.09			6.95		8.86		10.82	10.82	10.82	5 / 1					
reaction time	0.149	interval					2.86		1.91		1.96	CR / =PB		# of strides	4.09	2.86			
wind	0.3 m/s	velocity		7.33			10.49		10.47		10.20	9.24		47.2	7.33	10.49			

Devers-Roberts, Gail (USA) (1966)**FINAL - 1992 Olympic Games (Barcelona, ESP)***Arnold (1992) - 1992 Olympic report: 100m men*

date	01-Aug-92	time		3.06		5.03		6.93		8.87		10.82	10.82	2 / 1					
reaction time	0.138	interval				1.97		1.90		1.94		1.95	PB	# of strides					
wind	-1.0 m/s	velocity		6.54		10.15		10.53		10.31		10.26	9.24	48.2					

Dia, N'Deye Binta (SEN) (1973)**FINAL - 1996 International French Championships (Bercy, FRA)** *Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m*

date	10-Feb-96	time	2.06	3.24	4.31	5.36	6.42	7.46					7.46	/ 5					
reaction time		interval		1.18	1.07	1.05	1.06	1.04						# of strides	4.31	3.15			
		velocity	4.85	8.47	9.35	9.52	9.43	9.62					8.04		6.96	9.52			

Heat 2 - 1996 International French Championships (Bercy, FRA)*Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m*

date	10-Feb-96	time	2.10	3.28	4.35	5.39	6.43	7.47					7.47	/ 4					
reaction time		interval		1.18	1.07	1.04	1.04	1.04						# of strides	4.35	3.12			
		velocity	4.76	8.47	9.35	9.62	9.62	9.62					8.03		6.90	9.62			

Diamond, Emily (GBR) (1991)**FINAL - 2010 Windsprint (Sundsvall, SWE)** *(2010) - www.ssg.se/en/Windsprint/Split-times/*

date	08-Aug-10	time		4.46			7.63		9.71		11.86	11.86	11.86	/ 6					
reaction time		interval					3.17		2.08		2.15			# of strides	4.46	3.17			
wind	2.4 m/s	velocity		6.73			9.46		9.62		9.30	8.43			6.73	9.46			

Dietsche, Riccarda (SUI) (1996)**B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI)** *Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time		3.3		5.3		7.3		9.4		11.52	11.52	7 / 5					
reaction time	0.162	interval				2.00		2.00		2.10		2.12		# of strides					

wind	2.7 m/s	velocity	6.06	10.00	10.00	9.52	9.43	8.68												
Dogbo, Marie-Joëlle (FRA) (1975)																				
FINAL - 1996 International French Championships (Bercy, FRA)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
date	10-Feb-96	time	2.09	3.26	4.32	5.35	6.37	7.39	<i>Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m</i>											
reaction time		interval	1.17	1.06	1.03	1.02	1.02		/ 3											
		velocity	4.78	8.55	9.43	9.71	9.80	9.80	# of strides									4.32	3.07	
									8.12									6.94	9.77	
Heat 1 - 1996 International French Championships (Bercy, FRA)																				
date	10-Feb-96	time	2.02	3.28	4.35	5.39	6.40	7.43	<i>Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m</i>											
reaction time		interval		1.26	1.07	1.04	1.01	1.03	/ 2											
		velocity	4.95	7.94	9.35	9.62	9.90	9.71	# of strides									4.35	3.08	
									8.08									6.90	9.74	
Doi, Anna (JPN) (1995)																				
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
date	05-Oct-19	time			4.31		6.38		<i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>											
reaction time	0.156	interval					2.07		11.74									11.74	4 / 3	
wind	1.1 m/s	velocity			6.96		3.13		5.36										# of strides	4.31
									9.33									8.52	53.2	6.96
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)			<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	28-Jun-19	time	2.02	3.19	4.26	5.30	6.32	7.35	8.40	9.47	10.58	11.72	11.72	6 / 2						
reaction time	0.131	interval		1.17	1.07	1.04	1.02	1.03	1.05	1.07	1.11	1.14		# of strides	4.26	3.09	3.23			
wind	0.6 m/s	velocity	4.95	8.55	9.35	9.62	9.80	9.71	9.52	9.35	9.01	8.77	8.53	54.4	7.04	9.71	9.29			
FINAL - 2019 Fuse Sprint (Tottori, JPN)			<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	02-Jun-19	time	1.99	3.15	4.22	5.25	6.27	7.29	8.32	9.37	10.45	11.55	11.55	5 / 1						
reaction time	0.118	interval		1.16	1.07	1.03	1.02	1.02	1.03	1.05	1.08	1.10		# of strides	4.22	3.07	3.16			
wind	-2.2 m/s	velocity	5.03	8.62	9.35	9.71	9.80	9.80	9.71	9.52	9.26	9.09	8.66	54.6	7.11	9.77	9.49			
FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)			<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	19-May-19	time	2.00	3.17	4.25	5.29	6.33	7.38	8.43	9.50	10.60	11.72	11.72	4 / 5						
reaction time	0.130	interval		1.17	1.08	1.04	1.04	1.05	1.05	1.07	1.10	1.12		# of strides	4.25	3.13	3.22			
wind	-2.2 m/s	velocity	5.00	8.55	9.26	9.62	9.62	9.52	9.52	9.35	9.09	8.93	8.53	55.0	7.06	9.58	9.32			
FINAL - 2019 Mikio Oda Memorial (Hiroshima, JPN)			<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	28-Apr-19	time	2.04	3.22	4.29	5.31	6.33	7.35	8.38	9.43	10.52	11.64	11.64	4 / 3						
reaction time		interval		1.18	1.07	1.02	1.02	1.02	1.03	1.05	1.09	1.12		# of strides	4.29	3.06	3.17			
wind	1.9 m/s	velocity	4.90	8.47	9.35	9.80	9.80	9.80	9.71	9.52	9.17	8.93	8.59	54.2	6.99	9.80	9.46			
FINAL - 2015 Japanese National Championships (Niigata, JPN)			<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	28-Jun-15	time	2.06	3.21	4.28	5.33	6.39	7.44	8.50	9.59	10.70	11.83	11.83	5 / 3						
reaction time	0.156	interval		1.15	1.07	1.05	1.06	1.05	1.06	1.09	1.11	1.13		# of strides	4.28	3.16	3.26			
wind	-0.3 m/s	velocity	4.85	8.70	9.35	9.52	9.43	9.52	9.43	9.17	9.01	8.85	8.45	54.0	7.01	9.49	9.20			
Heat 3 - 2015 Japanese National Championships (Niigata, JPN)			<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	27-Jun-15	time	1.98	3.15	4.23	5.27	6.30	7.35	8.41	9.49	10.59	11.72	11.72	3 / 1						
reaction time	0.142	interval		1.17	1.08	1.04	1.03	1.05	1.06	1.08	1.10	1.13		# of strides	4.23	3.12	3.24			
wind	-0.5 m/s	velocity	5.05	8.55	9.26	9.62	9.71	9.52	9.43	9.26	9.09	8.85	8.53	54.0	7.09	9.62	9.26			
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)			<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	19-Apr-15	time	2.04	3.20	4.27	5.31	6.35	7.40	8.45	9.53	10.62	11.74	11.74	5 / 3						
reaction time		interval		1.16	1.07	1.04	1.04	1.05	1.05	1.08	1.09	1.12		# of strides	4.27	3.13	3.22			
wind	-0.2 m/s	velocity	4.90	8.62	9.35	9.62	9.62	9.52	9.52	9.26	9.17	8.93	8.52	54.2	7.03	9.58	9.32			
Heat 3 - 2015 Mikio Oda Memorial (Hiroshima, JPN)			<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	19-Apr-15	time	2.06	3.22	4.29	5.33	6.37	7.41	8.46	9.54	10.63	11.75	11.75	6 / 1						
reaction time		interval		1.16	1.07	1.04	1.04	1.04	1.05	1.08	1.09	1.12		# of strides	4.29	3.12	3.22			
wind	0.2 m/s	velocity	4.85	8.62	9.35	9.62	9.62	9.62	9.52	9.26	9.17	8.93	8.51	54.5	6.99	9.62	9.32			
Heat 1 - 2014 Japanese National Championships (Fukushima, JPN)			<i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>																	
date	07-Jun-14	time	2.05	3.19	4.24	5.27	6.29	7.31	8.35	9.41	10.48	11.58	11.58	4 / 1						
reaction time		interval		1.14	1.05	1.03	1.02	1.02	1.04	1.06	1.07	1.10		# of strides	4.24	3.07	3.17			
wind	0.7 m/s	velocity	4.88	8.77	9.52	9.71	9.80	9.80	9.62	9.43	9.35	9.09	8.64	54.4	7.08	9.77	9.46			
FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN)			<i>Matsuo (2014) - research on athlete performance and technique- 2014 data book</i>																	
date	11-May-14	time	2.05	3.21	4.27	5.31	6.34	7.38	8.42	9.49	10.57	11.68	11.68	6 / 5						
reaction time		interval		1.16	1.06	1.04	1.03	1.04	1.04	1.07	1.08	1.11		# of strides	4.27	3.11	3.19			
wind	-0.8 m/s	velocity	4.88	8.62	9.43	9.62	9.71	9.62	9.62	9.35	9.26	9.01	8.56	53.0	7.03	9.65	9.40			
A FINAL - 2014 Miko Oda Memorial (Hiroshima, JPN)			<i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>																	
date	29-Apr-14	time	2.04	3.19	4.24	5.26	6.27	7.29	8.33	9.39	10.46	11.57	11.57	6 / 3						
reaction time		interval		1.15	1.05	1.02	1.01	1.02	1.04	1.06	1.07	1.11		# of strides	4.24	3.05	3.17			

wind	1.5 m/s	velocity	4.90	8.70	9.52	9.80	9.90	9.80	9.62	9.43	9.35	9.01	8.64	54.4	7.08	9.84	9.46
Heat 2 - 2014 Miko Oda Memorial (Hiroshima, JPN) <i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>																	
date	29-Apr-14	time	2.07	3.22	4.26	5.27	6.27	7.27	8.30	9.35	10.41	11.50	11.50	6 / 1			
reaction time		interval		1.15	1.04	1.01	1.00	1.00	1.03	1.05	1.06	1.09		# of strides	4.26	3.01	3.14
wind	2.4 m/s	velocity	4.83	8.70	9.62	9.90	10.00	10.00	9.71	9.52	9.43	9.17	8.70	54.4	7.04	9.97	9.55
FINAL - 2013 Japanese National High School Championships (Oita, JPN) <i>Matsuo (2013) - 66th high school championships: JAF scientific committee- biomechanics data</i>																	
date	31-Jul-13	time	2.10	3.26	4.32	5.35	6.38	7.41	8.46	9.51	10.60	11.70	11.70	/ 1			
reaction time		interval		1.16	1.06	1.03	1.03	1.03	1.05	1.05	1.09	1.10		# of strides	4.32	3.09	3.19
wind	-0.5 m/s	velocity	4.76	8.62	9.43	9.71	9.71	9.71	9.52	9.52	9.17	9.09	8.55		6.94	9.71	9.40
Heat 3 - 2012 Japanese National Championships (Osaka, JPN) <i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>																	
date	08-Jun-12	time	2.05	3.18	4.22	5.23	6.23	7.24	8.26	9.31	10.37	11.47	11.47	4 / 1			
reaction time		interval		1.13	1.04	1.01	1.00	1.01	1.02	1.05	1.06	1.10		# of strides	4.22	3.02	3.13
wind	2.2 m/s	velocity	4.88	8.85	9.62	9.90	10.00	9.90	9.80	9.52	9.43	9.09	8.72	54.2	7.11	9.93	9.58
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN) <i>Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics</i>																	
date	04-Aug-11	time					6.45	7.49	8.54	9.63	10.75	11.88	11.88	7 / 1			
reaction time		interval						1.04	1.05	1.09	1.12	1.13		# of strides			3.26
wind	-1.0 m/s	velocity					7.75	9.62	9.52	9.17	8.93	8.85	8.42				9.20
Heat 3 - 2011 Japanese National Championships (Kumagaya, JPN) <i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>																	
date	10-Jun-11	time	2.08	3.23	4.29	5.33	6.36	7.41	8.46	9.54	10.63	11.75	11.75	/ 2			
reaction time		interval		1.15	1.06	1.04	1.03	1.05	1.05	1.08	1.09	1.12		# of strides	4.29	3.12	3.22
wind	0.6 m/s	velocity	4.81	8.70	9.43	9.62	9.71	9.52	9.52	9.26	9.17	8.93	8.51	54.4	6.99	9.62	9.32
Doležalová, Bára (CZE) (1996) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																	
date	28-Jun-14	time	2.29	3.53	4.70	5.81	6.93	8.06	9.20	10.34	11.52	12.77	12.77	7 / 5			
reaction time	0.259	interval		1.24	1.17	1.11	1.12	1.13	1.14	1.14	1.18	1.25		# of strides	4.70	3.36	3.46
wind	-4.5 m/s	velocity	4.37	8.06	8.55	9.01	8.93	8.85	8.77	8.77	8.47	8.00	7.83		6.38	8.93	8.67
Heat 2 - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																	
date	28-Jun-14	time		3.48		5.74		7.95		10.21		12.57	12.57	5 / 2			
reaction time	0.216	interval				2.26		2.21		2.26		2.36		# of strides			
wind	-3.2 m/s	velocity		5.75		8.85		9.05		8.85		8.47	7.96				
Dolvik, Anne (NOR) (1988) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
C FINAL - 2013 Windsprint (Sundsvall, SWE) <i>(2013) - www.ssg.se/windsprint/Splittider/</i>																	
date	28-Jul-13	time			4.60		7.84		10.00		12.23	12.23		2 / 4			
reaction time		interval					3.24		2.16		2.23			# of strides	4.60	3.24	
wind	-0.1 m/s	velocity			6.52		9.26		9.26		8.97	8.18			6.52	9.26	
Domská, Lucie (CZE) (1993) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2013 Czech Republic National Championships (Tábor, CZE) <i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>																	
date	15-Jun-13	time	2.22	3.39	4.49	5.56	6.62	7.69	8.78	9.87	10.97	12.09	12.09	8 / 8			
reaction time	0.171	interval		1.17	1.10	1.07	1.06	1.07	1.09	1.09	1.10	1.12		# of strides	4.49	3.20	3.28
wind	-0.2 m/s	velocity	4.50	8.55	9.09	9.35	9.43	9.35	9.17	9.17	9.09	8.93	8.27		6.68	9.38	9.15
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE) <i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>																	
date	15-Jun-13	time		3.41		5.61		7.75		9.92		12.12	12.12	5 / 2			
reaction time	0.153	interval				2.20		2.14		2.17		2.20		# of strides			
wind	-0.6 m/s	velocity		5.87		9.09		9.35		9.22		9.09	8.25				
Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE) <i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>																	
date	25-Feb-12	time	2.17	3.40	4.48	5.58	6.65	7.73					7.73	6 / 5			
reaction time	0.159	interval		1.23	1.08	1.10	1.07	1.08						# of strides	4.48	3.25	
		velocity	4.61	8.13	9.26	9.09	9.35	9.26					7.76		6.70	9.23	
Heat 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE) <i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>																	
date	25-Feb-12	time	2.13	3.39	4.51	5.58	6.66	7.74					7.74	3 / 3			
reaction time	0.137	interval		1.26	1.12	1.07	1.08	1.08						# of strides	4.51	3.23	
		velocity	4.69	7.94	8.93	9.35	9.26	9.26					7.75		6.65	9.29	
Dorobisz, Iwona (POL) (1980) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>																	
date	24-Jul-07	time			4.34		7.44		9.55		11.80	11.80		/ 1			
reaction time		interval					3.10		2.11		2.25			# of strides	4.34	3.10	
wind	1.0 m/s	velocity			6.91		9.68		9.48		8.89	8.47			6.91	9.68	
Douglas, Stephanie (GBR) (1969) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	

FINAL - 1991 European Cup (Frankfurt, GER)															Federle (2003) - http://www.fgs.uni-halle.de				
date	29-Jun-91	time				4.27			7.41		9.56		11.76	11.76	/ 4				
reaction time		interval							3.14		2.15		2.20		# of strides	4.27	3.14		
wind	-2.7 m/s	velocity				7.03			9.55		9.30		9.09	8.50		7.03	9.55		
Drazek, Annika (GER) (1995)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2010 German National Youth Championships (Ulm, GER)															Graubner (2010) - http://www.fgs.uni-halle.de				
date	07-Aug-10	time		3.38	4.46	5.51		7.60		9.73		11.94	11.94	/ 2					
reaction time		interval			1.08	1.05		2.09		2.13		2.21		# of strides	4.46	3.14			
wind	-0.3 m/s	velocity		5.92	9.26	9.52		9.57		9.39		9.05	8.38		6.73	9.55			
Drechsler, Heike (GDR) (1964)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1988 Olympic Games (Seoul, KOR)															Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988				
date	25-Sep-88	time		2.01	3.12	4.14	5.11	6.08	7.02	7.97	8.92	9.88	10.85	10.85	5 / 3				
reaction time	0.143	interval			1.11	1.02	0.97	0.97	0.94	0.95	0.95	0.96	0.97	# of strides	4.14	2.88	2.86		
wind	3.0 m/s	velocity		4.98	9.01	9.80	10.31	10.31	10.64	10.53	10.53	10.42	10.31	9.22	46.4	7.25	10.42	10.49	
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)															Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988				
date	25-Sep-88	time		2.00	3.10	4.12	5.12	6.08	7.03	7.98	8.93	9.90	10.91	10.91	6 / 2				
reaction time	0.216	interval			1.10	1.02	1.00	0.96	0.95	0.95	0.95	0.97	1.01	# of strides	4.12	2.91	2.87		
wind	2.6 m/s	velocity		5.00	9.09	9.80	10.00	10.42	10.53	10.53	10.53	10.31	9.90	9.17	7.28	10.31	10.45		
Daute-Drechsler, Heike (GDR) (1964)			Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes																
date	30-Aug-87	time		2.12	3.22	4.25	5.22	6.18	7.10	8.04	9.00	10.00	11.00	11.00	4 / 2				
reaction time	0.210	interval			1.10	1.03	0.97	0.96	0.92	0.94	0.96	1.00	1.00	# of strides	4.25	2.85	2.90		
wind	-0.5 m/s	velocity		4.72	9.09	9.71	10.31	10.42	10.87	10.64	10.42	10.00	10.00	9.09	46.8	7.06	10.53	10.34	
Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)															Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics				
date	30-Aug-87	time		2.16	3.27	4.28	5.24	6.17	7.12	8.07	9.02	9.98	10.95	10.95	3 / 1				
reaction time		interval			1.11	1.01	0.96	0.93	0.95	0.95	0.95	0.96	0.97	# of strides	4.28	2.84	2.86		
wind	0.7 m/s	velocity		4.63	9.01	9.90	10.42	10.75	10.53	10.53	10.53	10.42	10.31	9.13	46.0	7.01	10.56	10.49	
Quarter-Final 1 - 1987 IAAF World Championships (Rome, ITA)															Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics				
date	29-Aug-87	time		2.15	3.26	4.29	5.26	6.22	7.18	8.13	9.10	10.08	11.08	11.08	6 / 1				
reaction time		interval			1.11	1.03	0.97	0.96	0.96	0.95	0.97	0.98	1.00	# of strides	4.29	2.89	2.90		
wind	-0.38 m/s	velocity		4.65	9.01	9.71	10.31	10.42	10.42	10.53	10.31	10.20	10.00	9.03	46.0	6.99	10.38	10.34	
Heat 1 - 1987 IAAF World Championships (Rome, ITA)															Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics				
date	29-Aug-87	time		2.16	3.27	4.30	5.25	6.20	7.15	8.10	9.05	10.01	11.02	11.02	7 / 1				
reaction time		interval			1.11	1.03	0.95	0.95	0.95	0.95	0.95	0.96	1.01	# of strides	4.30	2.85	2.86		
wind	2.3 m/s	velocity		4.63	9.01	9.71	10.53	10.53	10.53	10.53	10.53	10.42	9.90	9.07	45.5	6.98	10.53	10.49	
FINAL - 1986 Goldenen Ovals (Dresden, GDR)															Tepper (1989) - zum entwicklungsstand und zum trainingssyste des ddr-frauenkurzsprints				
date	16-Aug-86	time			4.23				7.09		8.99		10.94	10.94	/ 1				
reaction time		interval							2.86		1.90		1.95	# of strides	4.23	2.86			
wind	1.0 m/s	velocity			7.09				10.49		10.53		10.26	9.14	7.09	10.49			
Droual, Laurence (FRA) (1971)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1996 International French Championships (Bercy, FRA)															Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m				
date	10-Feb-96	time		2.02	3.19	4.26	5.30	6.37	7.43				7.43	/ 4					
reaction time		interval			1.17	1.07	1.04	1.07	1.06					# of strides	4.26	3.17			
		velocity		4.95	8.55	9.35	9.62	9.35	9.43				8.08		7.04	9.46			
Heat 2 - 1996 International French Championships (Bercy, FRA)															Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m				
date	10-Feb-96	time		2.01	3.18	4.24	5.29	6.34	7.43				7.43	/ 2					
reaction time		interval			1.17	1.06	1.05	1.05	1.09					# of strides	4.24	3.19			
		velocity		4.98	8.55	9.43	9.52	9.52	9.17				8.08		7.08	9.40			
Dulgheru, Mirela (ROU) (1966)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1991 European Cup (Frankfurt, GER)															Federle (2003) - http://www.fgs.uni-halle.de				
date	29-Jun-91	time			4.37			7.54		9.71		11.94	11.94	/ 6					
reaction time		interval						3.17		2.17		2.23		# of strides	4.37	3.17			
wind	-2.7 m/s	velocity			6.86			9.46		9.22		8.97	8.38		6.86	9.46			
Dunn, Paula (GBR) (1964)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1987 European Cup (Prague, TCH)															Sušanka (1987) - hints on computer processing of biomechanical data				
date	28-Jun-87	time		2.12	3.27	4.31	5.33	6.31	7.29	8.31	9.31	10.33	11.37	11.37	6 / 4				
reaction time		interval			1.15	1.04	1.02	0.98	0.98	1.02	1.00	1.02	1.04	# of strides	4.31	2.98	3.04		
wind	-0.4 m/s	velocity		4.72	8.70	9.62	9.80	10.20	10.20	9.80	10.00	9.80	9.62	8.80	53.9	6.96	10.07	9.87	
Durst, Stephanie (USA) (1982)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2009 ISTAF (Berlin, GER)															Graubner (2009) - http://www.fgs.uni-halle.de				

date	14-Jun-09	time	3.23	4.27	5.27	7.23	9.20	11.15	11.15	/ 2			
reaction time	0.176	interval		1.04	1.00	1.96	1.97	1.95		# of strides	4.27	2.96	
wind	0.1 m/s	velocity	6.19	9.62	10.00	10.20	10.15	10.26	8.97		7.03	10.14	

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

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.09	3.19	4.26	5.26	6.26	7.22	8.24	9.26	10.23	11.26	11.26	8 / 8			
reaction time		interval		1.10	1.07	1.00	1.00	0.96	1.02	1.02	0.97	1.03		# of strides	4.26	2.96	3.01
wind	2.3 m/s	velocity	4.78	9.09	9.35	10.00	10.00	10.42	9.80	9.80	10.31	9.71	8.88		7.04	10.14	9.97

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

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.11	3.19	4.26	5.29	6.29	7.29	8.28	9.29	10.34	11.34	11.34	5 / 5			
reaction time		interval		1.08	1.07	1.03	1.00	1.00	0.99	1.01	1.05	1.00		# of strides	4.26	3.03	3.05
wind	1.1 m/s	velocity	4.74	9.26	9.35	9.71	10.00	10.00	10.10	9.90	9.52	10.00	8.82		7.04	9.90	9.84

FINAL - 2006 USATF National Championships (Indianapolis, IN)

USATF Women's Sprint Development (2006)

date	23-Jun-06	time	2.09	3.21	4.26	5.27	6.26	7.24	8.24	9.26	10.28	11.29	11.29	2 / 7 6			
reaction time		interval		1.12	1.05	1.01	0.99	0.98	1.00	1.02	1.02	1.01		# of strides	4.26	2.98	3.04
wind	-0.9 m/s	velocity	4.78	8.93	9.52	9.90	10.10	10.20	10.00	9.80	9.80	9.90	8.86		51.5	7.04	10.07

FINAL - 2006 Osaka Grand Prix (Osaka, JPN)

Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system

date	06-May-06	time	2.05	3.18	4.22	5.22	6.19	7.16	8.13	9.12	10.12	11.16	11.16	/ 2			
reaction time		interval		1.13	1.04	1.00	0.97	0.97	0.97	0.99	1.00	1.04		# of strides	4.22	2.94	2.96
wind	2.6 m/s	velocity	4.88	8.85	9.62	10.00	10.31	10.31	10.31	10.10	10.00	9.62	8.96		7.11	10.20	10.14

Earls, Jacqueline (USA) (1984)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

USATF Women's Sprint Development (2003)

date	22-Jun-03	time	2.20	3.39	4.54	5.61	6.71	7.81			12.20	12.30	1 / 9			
reaction time		interval		1.19	1.15	1.07	1.10	1.10			4.39		# of strides	4.54	3.27	
wind	0.7 m/s	velocity	4.55	8.40	8.70	9.35	9.09	9.09			9.11	8.13		6.61	9.17	

Echols, Sheila (USA) (1964)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

USATF Women's Sprint Development (1996)

date	15-Jun-96	time	2.00		4.13		6.20			10.24	11.30	11.30	8 / 6			
reaction time		interval			2.13		2.07			4.04	1.06		# of strides	4.13		
wind	1,1 m/s	velocity	5.00		9.39		9.66			9.90	9.43	8.85		50.0	7.26	

FINAL - 1990 Goodwill Games (Seattle, WA)

Lyle (1990) - goodwill games women's 100m splits

date	24-Jul-90	time	2.02	3.14	4.16	5.15	6.12	7.05	8.02	9.99	11.02	11.05	7 / 2			
reaction time		interval		1.12	1.02	0.99	0.97	0.93	0.97	1.97	1.03		# of strides	4.16	2.89	2.94
wind	0.0 m/s	velocity	4.95	8.93	9.80	10.10	10.31	10.75	10.31	10.15	9.71	9.05		7.21	10.38	10.20

FINAL - 1989 IAAF World Cup (Barcelona, ESP)

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

date	09-Sep-89	time	3.15		5.18	6.15	7.15	8.14	9.15		11.18	11.18	/ 1			
reaction time		interval			2.03	0.97	1.00	0.99	1.01		2.03		# of strides			
wind	-1.1 m/s	velocity	6.35		9.85	10.31	10.00	10.10	9.90		9.85	8.94		50.0		

Eddou, Hajar (MAR) (1999)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

Omega Timing (2022) - diamond league race analysis

date	05-Jun-22	time	3.24		5.34		7.42		9.57		11.84	11.84	3 / 6			
reaction time		interval			2.10		2.08		2.15		2.27		# of strides			
wind	0.3 m/s	velocity	6.17		9.52		9.62		9.30		8.81	8.45		49.5		

Edfors, Cecilia (SWE) (1987)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

B FINAL - 2007 Windsprint (Sundsvall, SWE)

(2007) - www.ssg.se/en/Windsprint/Split-times/

date	24-Jul-07	time			4.69		8.06		10.33		12.69	12.69	/ 2			
reaction time		interval					3.37		2.27		2.36		# of strides	4.69	3.37	
wind	0.9 m/s	velocity			6.40		8.90		8.81		8.47	7.88		6.40	8.90	

Edobar, Iyoba (JPN) (1997)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2015 Japanese National High School Championships (Wakayama, JPN) Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics data

date	30-Jul-15	time			4.33	5.38	6.41	7.44	8.47	9.52	10.60	11.72	11.72	/ 1			
reaction time		interval				1.05	1.03	1.03	1.03	1.05	1.08	1.12	PB	# of strides	4.33	3.11	3.16
wind	-1.2 m/s	velocity			6.93	9.52	9.71	9.71	9.71	9.52	9.26	8.93	8.53		6.93	9.65	9.49

FINAL - 2015 Japanese National Championships (Niigata, JPN)

Matsuo (2015) - 2015 men's & women's 100m race analysis

date	28-Jun-15	time	2.10	3.28	4.36	5.41	6.46	7.51	8.57	9.65	10.74	11.86	11.86	2 / 4			
reaction time	0.169	interval		1.18	1.08	1.05	1.05	1.05	1.06	1.08	1.09	1.12		# of strides	4.36	3.15	3.23
wind	-0.3 m/s	velocity	4.76	8.47	9.26	9.52	9.52	9.43	9.26	9.17	8.93	8.43		52.2	6.88	9.52	9.29

FINAL - 2014 Japanese National High School Championships (Kofu, JPN)

Yanagiya (2014) - research on athlete performance and technique- 2014 data book

date	31-Jul-14	time	2.13	3.32	4.42	5.49	6.55	7.61	8.70	9.80	10.93	12.06	12.06	/ 1			
reaction time		interval		1.19	1.10	1.07	1.06	1.06	1.09	1.10	1.13	1.13		# of strides	4.42	3.19	3.32

wind	-2.4 m/s	velocity	4.69	8.40	9.09	9.35	9.43	9.43	9.17	9.09	8.85	8.85	8.29	6.79	9.40	9.04	
Edwards, Torri (USA) (1977)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)			Graubner (2009) - http://www.fgs.uni-halle.de														
date	14-Sep-08	time		3.22	4.25	5.24	6.22	7.21	8.18	9.17		11.22	11.22	6 / 5			
reaction time	0.153	interval			1.03	0.99	0.98	0.99	0.97	0.99		2.05		# of strides	4.25	2.96	
wind	0.3 m/s	velocity		6.21	9.71	10.10	10.20	10.10	10.31	10.10		9.76	8.91		7.06	10.14	
FINAL - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)														
date	28-Jun-08	time	2.03	3.12	4.08	5.09	6.04	6.97	7.91	8.88	9.86	10.90	10.90	4 / 2			
reaction time		interval		1.09	0.96	1.01	0.95	0.93	0.94	0.97	0.98	1.04		# of strides	4.08	2.89	2.89
wind	1.0 m/s	velocity	4.93	9.17	10.42	9.90	10.53	10.75	10.64	10.31	10.20	9.62	9.17	50.0	7.35	10.38	10.38
Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)														
date	28-Jun-08	time	2.03	3.10	4.07	5.04	5.97	6.89	7.84	8.78	9.73	10.78	10.78	4 / 1			
reaction time		interval		1.07	0.97	0.97	0.93	0.92	0.95	0.94	0.95	1.05	PB	# of strides	4.07	2.82	2.84
wind	1.8 m/s	velocity	4.93	9.35	10.31	10.31	10.75	10.87	10.53	10.64	10.53	9.52	9.28	47.5	7.37	10.64	10.56
Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)														
date	27-Jun-08	time	2.05	3.10	4.12	5.11	5.99	6.95	7.91	8.86	9.82	10.85	10.85	3 / 1			
reaction time		interval		1.05	1.02	0.99	0.88	0.96	0.96	0.95	0.96	1.03		# of strides	4.12	2.83	2.87
wind	2.3 m/s	velocity	4.88	9.52	9.80	10.10	11.36	10.42	10.42	10.53	10.42	9.71	9.22		7.28	10.60	10.45
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			USATF Women's Sprint Development with HPC (2008)														
date	27-Jun-08	time	2.01	3.12	4.10	5.09	6.04	7.01	7.96	8.97	9.99	11.16	11.16	6 / 1			
reaction time		interval		1.11	0.98	0.99	0.95	0.97	0.95	1.01	1.02	1.17		# of strides	4.10	2.91	2.98
wind	1.1 m/s	velocity	4.98	9.01	10.20	10.10	10.53	10.31	10.53	9.90	9.80	8.55	8.96		7.32	10.31	10.07
FINAL - 2007 IAAF World Championships (Osaka, JPN)			Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data														
date	27-Aug-07	time	2.00	3.12	4.15	5.12	6.08	7.04	8.01	9.00	10.02	11.05	11.05	6 / 4			
reaction time	0.141	interval		1.12	1.03	0.97	0.96	0.96	0.97	0.99	1.02	1.03		# of strides	4.15	2.89	2.98
wind	-0.2 m/s	velocity	5.00	8.93	9.71	10.31	10.42	10.42	10.31	10.10	9.80	9.71	9.05	50.5	7.23	10.38	10.07
FINAL - 2006 USATF National Championships (Indianapolis, IN)			USATF Women's Sprint Development (2006)														
date	23-Jun-06	time	2.08	3.19	4.20	5.19	6.17	7.16	8.11	9.13	10.14	11.17	11.17	3 / 3 2			
reaction time		interval		1.11	1.01	0.99	0.98	0.99	0.95	1.02	1.01	1.03		# of strides	4.20	2.96	2.98
wind	-0.9 m/s	velocity	4.81	9.01	9.90	10.10	10.20	10.10	10.53	9.80	9.90	9.71	8.95	50.7	7.14	10.14	10.07
FINAL - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)														
date	10-Jul-04	time	2.05	3.15	4.17	5.14	6.08	7.05	8.03	9.00	10.00	11.02	11.02	4 / 2			
reaction time		interval		1.10	1.02	0.97	0.94	0.97	0.98	0.97	1.00	1.02	DV	# of strides	4.17	2.88	2.95
wind	0.1 m/s	velocity	4.88	9.09	9.80	10.31	10.64	10.31	10.20	10.31	10.00	9.80	9.07	50.7	7.19	10.42	10.17
Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)														
date	10-Jul-04	time	2.05	3.14	4.14	5.13	6.07	7.03	7.99	8.98	9.93	11.00	11.00	3 / 1			
reaction time		interval		1.09	1.00	0.99	0.94	0.96	0.96	0.99	0.95	1.07	DV	# of strides	4.14	2.89	2.90
wind	-0.1 m/s	velocity	4.88	9.17	10.00	10.10	10.64	10.42	10.42	10.10	10.53	9.35	9.09	50.2	7.25	10.38	10.34
Quarter-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)			USATF Women's Sprint Development (2004)														
date	09-Jul-04	time	2.09	3.18	4.21	5.22	6.19	7.19	8.17	9.21	10.26	11.36	11.36	6 / 1			
reaction time		interval		1.09	1.03	1.01	0.97	1.00	0.98	1.04	1.05	1.10	DV	# of strides	4.21	2.98	3.07
wind	-1.0 m/s	velocity	4.78	9.17	9.71	9.90	10.31	10.00	10.20	9.62	9.52	9.09	8.80	51.0	7.13	10.07	9.77
FINAL - 2003 USATF National Championships (Palo Alto, CA)			USATF Women's Sprint Development (2003)														
date	20-Jun-03	time	2.09	3.15	4.19	5.17	6.16	7.11	8.09	9.09	10.11	11.13	11.13	4 / 2 1			
reaction time		interval		1.06	1.04	0.98	0.99	0.95	0.98	1.00	1.02	1.02		# of strides	4.19	2.92	3.00
wind	-1.1 m/s	velocity	4.78	9.43	9.62	10.20	10.10	10.53	10.20	10.00	9.80	9.80	8.98		7.16	10.27	10.00
Eliasson, Emilia (SWE) (1989)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2007 Windsprint (Sundsvall, SWE)			(2007) - www.ssg.se/en/Windsprint/Split-times/														
date	24-Jul-07	time			4.75			8.30		10.70		13.20	13.20	/ 6			
reaction time		interval						3.55		2.40		2.50	PB	# of strides	4.75	3.55	
wind	0.9 m/s	velocity			6.32			8.45		8.33		8.00	7.58		6.32	8.45	
Emmanuel, Crystal (CAN) (1991)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)			Omega Timing (2021) - diamond league race analysis														
date	13-Jul-21	time		3.2		5.3		7.3		9.3		11.36	11.36	4 / 3			
reaction time	0.177	interval				2.10		2.00		2.00		2.06		# of strides			
wind	1.5 m/s	velocity		6.25		9.52		10.00		10.00		9.71	8.80				
FINAL - 2019 Memorial van Damme (Brussels, BEL)			Omega Timing (2019) - diamond league race analysis														
date	06-Sep-19	time		3.2		5.2		7.3		9.3		11.38	11.38	1 / 7			

reaction time	0.154	interval			2.0	2.1	2.0	2.08		# of strides
wind	-0.3 m/s	velocity	6.25	10.00	9.52	10.00	9.62	8.79		51.2
Endacott, Katherine (GBR) (1980)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
FINAL - 2010 Sparkassen-Gala (Regensburg, GER)										
date	05-Jun-10	time	3.28	4.34	5.37	7.43	9.54	11.69	11.69	
reaction time		interval	1.06	1.03	2.06	2.11	2.15			
wind	-0.4 m/s	velocity	6.10	9.43	9.71	9.71	9.48	9.30	8.55	
Engberg, Angelica (SWE) (1989)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
D FINAL - 2013 Windsprint (Sundsvall, SWE)										
date	28-Jul-13	time	4.73			8.16	10.48	12.89	12.89	
reaction time		interval				3.43	2.32	2.41		
wind	2.7 m/s	velocity	6.34			8.75	8.62	8.30	7.76	
Eritsland, Siri (NOR) (1985)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
FINAL - 2011 Windsprint (Sundsvall, SWE)										
date	31-Jul-11	time	4.43			7.62	9.80	12.11	12.11	
reaction time		interval				3.19	2.18	2.31		
wind	0.2 m/s	velocity	6.77			9.40	9.17	8.66	8.26	
Eurenius, Isabelle (SWE) (1989)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
A FINAL - 2017 Windsprint (Sundsvall, SWE)										
date	30-Jul-17	time	4.45		6.52	7.57	9.67	11.84	11.84	
reaction time		interval			2.07	1.05	2.10	2.17		
wind	0.3 m/s	velocity	6.74		9.66	9.52	9.52	9.22	8.45	
A FINAL - 2016 Windsprint (Sundsvall, SWE)										
date	31-Jul-16	time	4.42			7.53		11.72	11.72	
reaction time		interval				3.11		4.19	=PB	
wind	2.0 m/s	velocity	6.79			9.65		9.55	8.53	
Heat 1 - 2016 Windsprint (Sundsvall, SWE)										
date	31-Jul-16	time	4.44			7.57		11.85	11.85	
reaction time		interval				3.13		4.28		
wind	-0.3 m/s	velocity	6.76			9.58		9.35	8.44	
A FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time	4.46			7.59	9.69	11.83	11.83	
reaction time		interval				3.13	2.10	2.14	PB	
wind	1.2 m/s	velocity	6.73			9.58	9.52	9.35	8.45	
B FINAL - 2012 Windsprint (Sundsvall, SWE)										
date	17-Jun-12	time	4.51			7.75	9.93	12.17	12.17	
reaction time		interval				3.24	2.18	2.24		
wind	0.7 m/s	velocity	6.65			9.26	9.17	8.93	8.22	
B FINAL - 2009 Windsprint (Sundsvall, SWE)										
date	25-Jul-09	time	4.49			7.75	9.88	12.09	12.09	
reaction time		interval				3.26	2.13	2.21		
wind	2.5 m/s	velocity	6.68			9.20	9.39	9.05	8.27	
FINAL - 2007 Windsprint (Sundsvall, SWE)										
date	24-Jul-07	time	4.47			7.80	9.96	12.30	12.30	
reaction time		interval				3.33	2.16	2.34		
wind	1.0 m/s	velocity	6.71			9.01	9.26	8.55	8.13	
Evensen, Marianne (NOR) (1996)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
C FINAL - 2014 Windsprint (Sundsvall, SWE)										
date	20-Jul-14	time	4.56			7.86	10.11	12.40	12.40	
reaction time		interval				3.30	2.25	2.29		
wind	0.7 m/s	velocity	6.58			9.09	8.89	8.73	8.06	
Facey, Simone (JAM) (1985)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)										
date	10-May-15	time	2.02	3.16	4.20	5.22	6.22	7.22	8.21	9.22
reaction time		interval		1.14	1.04	1.02	1.00	0.99	1.01	1.02
wind	1.2 m/s	velocity	4.95	8.77	9.62	9.80	10.00	10.10	9.90	9.80
Fant, Felicia (USA)										
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
Quarter-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)										
date	09-Jul-04	time	2.20	3.36	4.44	5.51	6.55	7.62	8.70	9.79

reaction time	interval	1.16	1.08	1.07	1.04	1.07	1.08	1.09	1.10	1.18		# of strides	4.44	3.18	3.27		
wind	-1.0 m/s	velocity	4.55	8.62	9.26	9.35	9.62	9.35	9.26	9.17	9.09	8.47	8.29	54.0	6.76	9.43	9.17
Farina, Rossella (ITA) (1974)																	
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 1994 Italian National Championships (Naples, ITA)												<i>Locatelli (2000) - the mechanics and energetics of the 100m sprint</i>					
date	???	time	1.98	3.29	4.35	5.37	6.37	7.36				11.85	11.85				
reaction time		interval	1.31	1.06	1.02	1.00	0.99					4.49		# of strides	4.35	3.01	
wind	???	velocity	5.05	7.63	9.43	9.80	10.00	10.10				8.91	8.44		6.90	9.97	
Faulon, Marie-Noëlle (FRA) (1971)																	
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Heat 2 - 1996 International French Championships (Bercy, FRA)												<i>Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m</i>					
date	10-Feb-96	time	2.10	3.28	4.34	5.38	6.42	7.50				7.50	/ 5				
reaction time		interval	1.18	1.06	1.04	1.04	1.08							# of strides	4.34	3.16	
		velocity	4.76	8.47	9.43	9.62	9.62	9.26				8.00			6.91	9.49	
Feagin, Zundra (USA) (1973)																	
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)												<i>USATF Women's Sprint Development (1996)</i>					
date	15-Jun-96	time	2.21		4.30		6.30				10.26	11.26	11.26	1 / 5			
reaction time		interval		2.09		2.00					3.96	1.00		# of strides	4.30		
wind	1,1 m/s	velocity	4.52		9.57		10.00				10.10	10.00	8.88	51.8	6.98		
Felix, Allyson (USA) (1985)																	
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2020 Millrose Games (New York, NY)												<i>PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/</i>					
date	08-Feb-20	time	2.20	3.33	4.32	5.33	6.25	7.32				7.32	5 / 6				
reaction time	0.170	interval		1.13	0.99	1.01	0.92	1.07						# of strides	4.32	3.00	
		velocity	4.55	8.85	10.10	9.90	10.87	9.35				8.20		31.0	6.94	10.00	
FINAL - 2012 Seiko Golden Grand Prix (Kawasaki, JPN)																	
												<i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>					
date	06-May-12	time	2.06	3.24	4.25	5.23	6.20	7.18	8.17	9.17	10.18	11.22	11.22	4 / 1			
reaction time		interval		1.18	1.01	0.98	0.97	0.98	0.99	1.00	1.01	1.04		# of strides	4.25	2.93	3.00
wind	0.1 m/s	velocity	4.85	8.47	9.90	10.20	10.31	10.20	10.10	10.00	9.90	9.62	8.91	46.5	7.06	10.24	10.00
FINAL - 2009 Seiko Super Grand Prix (Kawasaki, JPN)																	
												<i>Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season</i>					
date	23-Sep-09	time	2.02	3.16	4.20	5.20	6.17	7.15	8.14	9.15	10.17	11.22	11.22	4 / 1			
reaction time		interval		1.14	1.04	1.00	0.97	0.98	0.99	1.01	1.02	1.05		# of strides	4.20	2.95	3.02
wind	-0.8 m/s	velocity	4.95	8.77	9.62	10.00	10.31	10.20	10.10	9.90	9.80	9.52	8.91	46.0	7.14	10.17	9.93
FINAL - 2008 USA Olympic Trials (Eugene, OR)																	
												<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	28-Jun-08	time	2.12	3.20	4.20	5.18	6.12	7.09	8.04	9.01	9.94	10.96	10.96	8 / 5			
reaction time		interval		1.08	1.00	0.98	0.94	0.97	0.95	0.97	0.93	1.02		# of strides	4.20	2.89	2.85
wind	1.0 m/s	velocity	4.72	9.26	10.00	10.20	10.64	10.31	10.53	10.31	10.75	9.80	9.12	45.5	7.14	10.38	10.53
Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)																	
												<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	28-Jun-08	time	2.15	3.22	4.22	5.24	6.20	7.14	8.05	9.04	10.01	11.00	11.00	3 / 3			
reaction time		interval		1.07	1.00	1.02	0.96	0.94	0.91	0.99	0.97	0.99		# of strides	4.22	2.92	2.87
wind	1.8 m/s	velocity	4.65	9.35	10.00	9.80	10.42	10.64	10.99	10.10	10.31	10.10	9.09	45.0	7.11	10.27	10.45
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)																	
												<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	27-Jun-08	time	2.10	3.22	4.22	5.20	6.14	7.11	8.06	9.01	9.94	10.98	10.98	4 / 2			
reaction time		interval		1.12	1.00	0.98	0.94	0.97	0.95	0.95	0.93	1.04		# of strides	4.22	2.89	2.83
wind	0.7 m/s	velocity	4.76	8.93	10.00	10.20	10.64	10.31	10.53	10.53	10.75	9.62	9.11		7.11	10.38	10.60
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)																	
												<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	27-Jun-08	time	2.14	3.25	4.24	5.21	6.17	7.11	8.06	9.04	9.99	11.01	11.01	8 / 1			
reaction time		interval		1.11	0.99	0.97	0.96	0.94	0.95	0.98	0.95	1.02		# of strides	4.24	2.87	2.88
wind	3.5 m/s	velocity	4.67	9.01	10.10	10.31	10.42	10.64	10.53	10.20	10.53	9.80	9.08		7.08	10.45	10.42
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)																	
												<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>					
date	23-Sep-07	time		3.22	4.24	5.23		7.18		9.15		11.15	11.15	6 / 2			
reaction time	0.167	interval			1.02	0.99		1.95		1.97		2.00		# of strides	4.24	2.94	
wind	-0.6 m/s	velocity		6.21	9.80	10.10		10.26		10.15		10.00	8.97	46.1	7.08	10.20	
FINAL - 2006 Osaka Grand Prix (Osaka, JPN)																	
												<i>Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system</i>					
date	06-May-06	time	2.04	3.18	4.20	5.20	6.17	7.14	8.10	9.08	10.08	11.11	11.11	/ 1			
reaction time		interval		1.14	1.02	1.00	0.97	0.97	0.96	0.98	1.00	1.03		# of strides	4.20	2.94	2.94
wind	2.6 m/s	velocity	4.90	8.77	9.80	10.00	10.31	10.31	10.42	10.20	10.00	9.71	9.00		7.14	10.20	10.20
Ferguson, Sheniqua (BAH) (1989)																	
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Heat 6 - 2009 IAAF World Championships (Berlin, GER)												<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>					
date	16-Aug-09	time		3.25	4.32	5.35		7.41		9.45		11.57	11.57	4 / 4			
reaction time	0.173	interval			1.07	1.03		2.06		2.04		2.12		# of strides	4.32	3.09	
wind	-0.6 m/s	velocity		6.15	9.35	9.71		9.71		9.80		9.43	8.64		6.94	9.71	

Ferguson-McKenzie, Debbie (BAH) (1976)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2011 Windsprint (Sundsvall, SWE)																	
(2011) - www.ssg.se/en/Windsprint/Split-times/																	
date	31-Jul-11	time		4.18		7.15		9.13		11.18	11.18	7 / 1					
reaction time		interval				2.97		1.98		2.05		# of strides	4.18	2.97			
wind	0.2 m/s	velocity		7.18		10.10		10.10		9.76	8.94		7.18	10.10			
FINAL - 2009 IAAF World Championships (Berlin, GER)																	
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																	
date	17-Aug-09	time	3.15	4.17	5.16		7.12		9.06		11.05	11.05	2 / 6				
reaction time	0.130	interval		1.02	0.99		1.96		1.94		1.99		# of strides	4.17	2.95		
wind	0.1 m/s	velocity	6.35	9.80	10.10		10.20		10.31		10.05	9.05	48.9	7.19	10.17		
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)																	
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																	
date	17-Aug-09	time	3.15	4.17	5.16		7.12		9.04		11.03	11.03	3 / 4				
reaction time	0.146	interval		1.02	0.99		1.96		1.92		1.99		# of strides	4.17	2.95		
wind	-0.1 m/s	velocity	6.35	9.80	10.10		10.20		10.42		10.05	9.07		7.19	10.17		
Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)																	
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																	
date	16-Aug-09	time	3.15	4.17	5.16		7.13		9.07		11.08	11.08	6 / 2				
reaction time	0.165	interval		1.02	0.99		1.97		1.94		2.01		# of strides	4.17	2.96		
wind	0.1 m/s	velocity	6.35	9.80	10.10		10.15		10.31		9.95	9.03	48.5	7.19	10.14		
Heat 4 - 2009 IAAF World Championships (Berlin, GER)																	
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																	
date	16-Aug-09	time	3.19	4.22	5.22		7.22		9.19		11.26	11.26	4 / 1				
reaction time	0.156	interval		1.03	1.00		2.00		1.97		2.07		# of strides	4.22	3.00		
wind	0.0 m/s	velocity	6.27	9.71	10.00		10.00		10.15		9.66	8.88		7.11	10.00		
FINAL - 2009 ISTAF (Berlin, GER)																	
Graubner (2009) - http://www.fgs.uni-halle.de																	
date	14-Jun-09	time	3.18	4.22	5.22		7.19		9.20		11.19	11.19	/ 5				
reaction time	0.154	interval		1.04	1.00		1.97		2.01		1.99		# of strides	4.22	2.97		
wind	0.1 m/s	velocity	6.29	9.62	10.00		10.15		9.95		10.05	8.94		7.11	10.10		
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)																	
Graubner (2009) - http://www.fgs.uni-halle.de																	
date	14-Sep-08	time	3.20	4.24	5.25	6.25	7.25	8.22	9.22		11.25	11.25	2 / 8				
reaction time	0.155	interval		1.04	1.01	1.00	1.00	0.97	1.00		2.03		# of strides	4.24	3.01		
wind	0.3 m/s	velocity	6.25	9.62	9.90	10.00	10.00	10.31	10.00		9.85	8.89		7.08	9.97		
Ferguson, Debbie (BAH) (1976)																	
FINAL - 2000 Olympic Games (Sydney, AUS)																	
Veney - Sydney 100m women's splits																	
date	24-Sep-00	time		4.03		6.17	7.20	8.21		10.18	11.29	11.29	2 / 8 7				
reaction time	0.238	interval				2.14	1.03	1.01		1.97	1.11		# of strides	4.03	3.17	2.98	
wind	-0.4 m/s	velocity		7.44		9.35	9.71	9.90		10.15	9.01	8.86		7.44	9.46	10.07	
FINAL - 2000 ISTAF (Berlin, GER)																	
Graubner (2009) - http://www.fgs.uni-halle.de																	
date	01-Sep-00	time	3.16	4.19	5.19		7.15				11.15	11.15	/ 4 3				
reaction time	0.176	interval		1.03	1.00		1.96				4.00		# of strides	4.19	2.96		
wind	0.1 m/s	velocity	6.33	9.71	10.00		10.20				10.00	8.97		7.16	10.14		
FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)																	
Winckler (2008) - running parameters																	
date	06-Mar-99	time		4.22			7.24				7.24		6 / 1				
reaction time		interval					3.02				PB		# of strides	4.22	3.02		
		velocity		7.11			9.93				8.29		31.5	7.11	9.93		
Fermely, Francette (FRA) (1969)																	
Heat 1 - 1996 International French Championships (Bercy, FRA)																	
Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m																	
date	10-Feb-96	time	2.01	3.28	4.36	5.42	6.47	7.52			7.52		/ 4				
reaction time		interval		1.27	1.08	1.06	1.05	1.05					# of strides	4.36	3.16		
		velocity	4.98	7.87	9.26	9.43	9.52	9.52			7.98			6.88	9.49		
Fiere-Cooman, Nelli (NED) (1964)																	
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)																	
Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988																	
date	25-Sep-88	time	2.01	3.12	4.15	5.16	6.13	7.11	8.10	9.09	10.10	11.13	8 / 7				
reaction time	0.312	interval		1.11	1.03	1.01	0.97	0.98	0.99	0.99	1.01	1.03	# of strides	4.15	2.96	2.99	
wind	2.6 m/s	velocity	4.98	9.01	9.71	9.90	10.31	10.20	10.10	10.10	9.90	9.71		7.23	10.14	10.03	
Finn, Michelle (USA) (1965)																	
FINAL - 1990 Goodwill Games (Seattle, WA)																	
Lyle (1990) - goodwill games women's 100m splits																	
date	24-Jul-90	time	2.02	3.14	4.16	5.15	6.12	7.04	8.02		9.99	11.02	11.05	5 / 3			
reaction time		interval		1.12	1.02	0.99	0.97	0.92	0.98		1.97	1.03	PB	# of strides	4.16	2.88	2.95
wind	0.0 m/s	velocity	4.95	8.93	9.80	10.10	10.31	10.87	10.20		10.15	9.71	9.05		7.21	10.42	10.17
Finstad Busch, Karin (NOR) (1992)																	
C FINAL - 2015 Windsprint (Sundsvall, SWE)																	
(2015) - www.windsprint/Splittider/																	

date	26-Jul-15	time											7.87	10.14	12.48	12.48	4 / 3
reaction time		interval												2.27	2.34		# of strides
wind	0.1 m/s	velocity											7.62	8.81	8.55	8.01	
Foesters, Lore (BEL) (2007)																	
U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)																	
date	08-Sep-23	time	2.06	3.26	4.36	5.43	6.50	7.57	8.67	9.78	10.92	12.10	12.10				Omega Timing (2023) - diamond league race analysis
reaction time	0.149	interval		1.20	1.10	1.07	1.07	1.07	1.10	1.11	1.14	1.18	PB				# of strides
wind	0.4 m/s	velocity	4.85	8.33	9.09	9.35	9.35	9.35	9.09	9.01	8.77	8.47	8.26				
Fomenko, Viktoriya (UKR) (1970)																	
FINAL - 1997 European Cup (Munich, GER)																	
date	21-Jun-97	time	2.11		4.37			7.50		9.61		11.76	11.76				Jung (2003) - http://www.fgs.uni-halle.de
reaction time		interval			2.26			3.13		2.11		2.15					# of strides
wind	0.6 m/s	velocity	4.74		4.58			9.58		9.48		9.30	8.50				
Fontana, Vittoria (ITA) (2000)																	
FINAL - 2020 Memorial Van Damme (Brussels, BEL)																	
date	04-Sep-20	time		3.3		5.5		7.5		9.6		11.74	11.74				Omega Timing (2020) - diamond league race analysis
reaction time	0.158	interval				2.20		2.00		2.10		2.14					# of strides
wind	0.2 m/s	velocity		6.06		9.09		10.00		9.52		9.35	8.52				
Forbes, Shashalee (JAM) (1996)																	
FINAL - 2023 Memorial van Damme (Brussels, BEL)																	
date	08-Sep-23	time	2.02	3.18	4.22	5.23	6.21	7.18	8.16	9.15	10.15	11.17	11.17				Omega Timing (2023) - diamond league race analysis
reaction time	0.140	interval		1.16	1.04	1.01	0.98	0.97	0.98	0.99	1.00	1.02					# of strides
wind	0.0 m/s	velocity	4.95	8.62	9.62	9.90	10.20	10.31	10.20	10.10	10.00	9.80	8.95				
FINAL - 2023 Weltklasse (Zürich, SUI)																	
date	31-Aug-23	time	1.99	3.14	4.17	5.16	6.14	7.11	8.09	9.08	10.08	11.12	11.12				Omega Timing (2023) - diamond league race analysis
reaction time	0.131	interval		1.15	1.03	0.99	0.98	0.97	0.98	0.99	1.00	1.04					# of strides
wind	-0.2 m/s	velocity	5.03	8.70	9.71	10.10	10.20	10.31	10.20	10.10	10.00	9.62	8.99				
FINAL - 2023 Athletissima (Lausanne, SUI)																	
date	30-Jun-23	time	2.02	3.15	4.19	5.18	6.17	7.15	8.13	9.13	10.14	11.18	11.18				Omega Timing (2023) - diamond league race analysis
reaction time	0.143	interval		1.13	1.04	0.99	0.99	0.98	0.98	1.00	1.01	1.04					# of strides
wind	-0.8 m/s	velocity	4.95	8.85	9.62	10.10	10.10	10.20	10.20	10.00	9.90	9.62	8.94				
Foster, Amy (IRL) (1988)																	
A FINAL - 2013 Windsprint (Sundsvall, SWE)																	
date	28-Jul-13	time			4.32			7.35		9.38		11.49	11.49				(2013) - www.ssg.se/windsprint/Splittider/
reaction time		interval						3.03		2.03		2.11					# of strides
wind	2.2 m/s	velocity			6.94			9.90		9.85		9.48	8.70				
Fraser-Pryce, Shelly-Ann (JAM) (1986)																	
FINAL - 2022 Weltklasse (Zürich, SUI)																	
date	08-Sep-22	time		3.06		5.00		6.86		8.72		10.65	10.65				Omega Timing (2022) - diamond league race analysis
reaction time	0.159	interval				1.94		1.86		1.86		1.93					# of strides
wind	-0.8 m/s	velocity		6.54		10.31		10.75		10.75		10.36	9.39				
FINAL - 2022 Memorial van Damme (Brussels, BEL)																	
date	02-Sep-22	time		3.06		5.00		6.85		8.74		10.74	10.74				Omega Timing (2022) - diamond league race analysis
reaction time	0.136	interval				1.94		1.85		1.89		2.00					# of strides
wind	0.6 m/s	velocity		6.54		10.31		10.81		10.58		10.00	9.31				
FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)																	
date	10-Aug-22	time		3.04		4.97		6.83		8.69		10.62	10.62				Omega Timing (2022) - diamond league race analysis
reaction time	0.134	interval				1.93		1.86		1.86		1.93					# of strides
wind	0.4 m/s	velocity		6.58		10.36		10.75		10.75		10.36	9.42				
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)																	
date	06-Aug-22	time		3.05		4.99		6.85		8.72		10.66	10.66				Omega Timing (2022) - diamond league race analysis
reaction time	0.152	interval				1.94		1.86		1.87		1.94					# of strides
wind	0.5 m/s	velocity		6.56		10.31		10.75		10.70		10.31	9.38				
FINAL - 2022 Meeting de Paris (Paris, FRA)																	
date	18-Jun-22	time		3.06		5.00		6.86		8.73		10.67	10.67				Omega Timing (2022) - diamond league race analysis
reaction time	0.137	interval				1.94		1.86		1.87		1.94					# of strides
wind	0.5 m/s	velocity		6.54		10.31		10.75		10.70		10.31	9.37				
FINAL - 2021 Athletissima (Lausanne, SUI)																	
date	26-Aug-21	time		3.1		5.0		6.9		8.7		10.60	10.60				Omega Timing (2021) - diamond league race analysis

reaction time	0.151	interval				1.90	1.90	1.80	1.90	PB	# of strides									
wind	1.7 m/s	velocity	6.45			10.53	10.53	11.11	10.53	9.43	50.0									
FINAL - 2021 Prefontaine Classic (Eugene, OR)										Omega Timing (2021) - diamond league race analysis										
date	21-Aug-21	time	3.1			5.1	6.9	8.8	10.74	10.73	4 / 2									
reaction time	0.137	interval				2.00	1.80	1.90	1.94		# of strides									
wind	0.9 m/s	velocity	6.45			10.00	11.11	10.53	10.31	9.32	50.5									
FINAL - 2020 Olympic Games (Tokyo, JPN)										Vazel (2021) - analyzing the olympic 100-meter sprints										
date	31-Jul-21	time	4.05				6.86	8.76	10.74	10.74	5 / 2									
reaction time	0.139	interval					2.81	3.88	1.98		# of strides	4.05	2.81							
wind	-0.6 m/s	velocity	7.41				10.68	5.15	10.10	9.31	50.5	7.41	10.68							
FINAL - 2021 Doha Diamond League (Doha, QAT)										Omega Timing (2021) - diamond league race analysis										
date	28-May-21	time	3.1			5.1	7.0	8.9	10.84	10.84	5 / 1									
reaction time	0.117	interval				2.00	1.90	1.90	1.94		# of strides									
wind	1.1 m/s	velocity	6.45			10.00	10.53	10.53	10.31	9.23	51.0									
Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR)										Omega Timing (2021) - diamond league race analysis										
date	23-May-21	time	2.9			5.0	7.1	9.2	11.62	11.62	6 / 3									
reaction time	0.126	interval				2.10	2.10	2.10	2.42		# of strides									
wind	-4.2 m/s	velocity	6.90			9.52	9.52	9.52	8.26	8.61	52.5									
FINAL - 2019 IAAF World Championships (Doha, QAT)										Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan										
date	29-Sep-19	time	1.92	3.02	4.01	4.96	5.89	6.82	7.75	8.70	9.69	10.71	10.71	6 / 1						
reaction time	0.134	interval		1.10	0.99	0.95	0.93	0.93	0.93	0.95	0.99	1.02		# of strides	4.01	2.81	2.87			
wind	0.1 m/s	velocity	5.21	9.09	10.10	10.53	10.75	10.75	10.75	10.53	10.10	9.80	9.34	50.7	7.48	10.68	10.45			
FINAL - 2019 Memorial van Damme (Brussels, BEL)										Omega Timing (2019) - diamond league race analysis										
date	06-Sep-19	time	3.1			5.1	7.0	8.9	10.95	10.95	5 / 2									
reaction time	0.134	interval				2.0	1.9	1.9	2.05		# of strides									
wind	-0.3 m/s	velocity	6.45			10.00	10.53	10.53	9.76	9.13	51.0									
FINAL - 2011 IAAF World Championships (Daegu, KOR)										KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011										
date	29-Aug-11	time	3.05	4.10	5.06	6.02	6.97	7.93	8.87	9.91	10.99	10.99	3 / 4							
reaction time	0.194	interval		1.05	0.96	0.96	0.95	0.96	0.94	1.04	1.08		# of strides	4.10	2.87	2.87				
wind	-1.4 m/s	velocity	6.56	9.52	10.42	10.42	10.53	10.42	10.64	9.62	9.26	9.10	50.0	7.32	10.45	10.45				
Fraser, Shelly-Ann (JAM) (1986)																				
FINAL - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
date	17-Aug-09	time	3.03	4.02	4.98		6.88		8.77	10.73	10.73	3 / 1								
reaction time	0.146	interval		0.99	0.96		1.90		1.89	1.96	AR	# of strides	4.02	2.86						
wind	0.1 m/s	velocity	6.60	10.10	10.42		10.53		10.58	10.20	9.32	49.6	7.46	10.49						
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
date	17-Aug-09	time	3.06	4.07	5.04		6.94		8.84	10.79	10.79	6 / 1								
reaction time	0.156	interval		1.01	0.97		1.90		1.90	1.95		# of strides	4.07	2.87						
wind	-0.1 m/s	velocity	6.54	9.90	10.31		10.53		10.53	10.26	9.27	7.37	10.45							
Quarter-Final 4 - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
date	16-Aug-09	time	3.14	4.15	5.12		7.06		8.96	11.02	11.02	6 / 2								
reaction time	0.191	interval		1.01	0.97		1.94		1.90	2.06		# of strides	4.15	2.91						
wind	-0.4 m/s	velocity	6.37	9.90	10.31		10.31		10.53	9.71	9.07	49.2	7.23	10.31						
Heat 1 - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - biomechanical analyses at the 12th IAAF world championships										
date	16-Aug-09	time	3.15	4.17	5.16		7.22		9.25	11.41	11.41	4 / 2								
reaction time	0.187	interval		1.02	0.99		2.06		2.03	2.16		# of strides	4.17	3.05						
wind	0.1 m/s	velocity	6.35	9.80	10.10		9.71		9.85	9.26	8.76	7.19	9.84							
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)										Graubner (2009) - http://www.fgs.uni-halle.de										
date	14-Sep-08	time	3.14	4.15	5.12	6.08	7.05	7.99	8.96	10.94	10.94	3 / 1								
reaction time	0.180	interval		1.01	0.97	0.96	0.97	0.94	0.97	1.98		# of strides	4.15	2.90						
wind	0.3 m/s	velocity	6.37	9.90	10.31	10.42	10.31	10.64	10.31	10.10	9.14	49.6	7.23	10.34						
Freeman, Emily (GBR) (1980)																				
C FINAL - 2009 ISTAF (Berlin, GER)										Graubner (2009) - http://www.fgs.uni-halle.de										
date	14-Jun-09	time	3.22	4.25	5.24		7.22		9.25	11.33	11.33	/ 1								
reaction time	0.220	interval		1.03	0.99		1.98		2.03	2.08	PB	# of strides	4.25	2.97						
wind	0.9 m/s	velocity	6.21	9.71	10.10		10.10		9.85	9.62	8.83	7.06	10.10							
Frey, Carina (GER) (1994)																				
FINAL - 2010 German National Youth Championships (Ulm, GER)										Graubner (2010) - http://www.fgs.uni-halle.de										
date	07-Aug-10	time	3.39	4.48	5.54		7.67		9.81	12.03	12.03	/ 7								

reaction time	interval	1.09	1.06	2.13	2.14	2.22	# of strides	4.48	3.19		
wind	-0.3 m/s	velocity	5.90	9.17	9.43	9.39	9.35	9.01	8.31	6.70	9.40

Semi-Final 3 - 2010 German National Youth Championships (Ulm, GER)Graubner (2010) - <http://www.fgs.uni-halle.de>

date	07-Aug-10	time	3.33	4.41	5.45	7.54	9.68	11.89	11.89	/ 2	# of strides	4.41	3.13
reaction time	0.159	interval	1.08	1.04	2.09	2.14	2.21	PB				6.80	9.58
wind	0.5 m/s	velocity	6.01	9.26	9.62	9.57	9.35	9.05	8.41				

Frey, Géraldine (SUI) (1997)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****National FINAL** - 2023 Weltklasse (Zürich, SUI) *Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	1.99	3.13	4.17	5.17	6.17	7.16	8.15	9.16	10.19	11.25	11.25	6 / 1	# of strides	4.17	2.99	3.03
reaction time	0.159	interval	1.14	1.04	1.00	1.00	0.99	0.99	1.01	1.03	1.06					7.19	10.03	9.90
wind	-0.1 m/s	velocity	5.03	8.77	9.62	10.00	10.00	10.10	10.10	9.90	9.71	9.43	8.89					

B FINAL - Heat 1 - 2022 Athletissima (Lausanne, SUI)*Omega Timing (2022) - diamond league race analysis*

date	26-Aug-22	time	3.1	5.2	7.3	9.3	11.50	11.50	6 / 4	# of strides			
reaction time	0.162	interval	2.10	2.10	2.00	2.20							
wind	-0.3 m/s	velocity	6.45	9.52	9.52	10.00	9.09	8.70					

B FINAL - Heat 2 - 2021 Athletissima (Lausanne, SUI)*Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	3.3	5.4	7.4	9.5	11.64	11.64	7 / 4	# of strides			
reaction time	0.163	interval	2.10	2.00	2.10	2.14							
wind	1.2 m/s	velocity	6.06	9.52	10.00	9.52	9.35	8.59					

Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)*Swiss Athletics (2016) - sprint and hurdle analysis*

date	27-Feb-16	time	4.47	7.67	7.67	/ 5	# of strides	4.47	3.20
reaction time	interval	3.20							
wind	velocity	6.71	9.38	7.82				6.71	9.38

Fujimori, Anna (JPN) (1994)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Semi-Final 2** - 2017 National Sports Festival (Matsuyama, JPN) *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

2017 National Sports Festival (Matsuyama, 01-14)		Matsuyama (2017) Race analysis of the men's and women's team in the 2017 season																
date	07-Oct-17	time	2.05	3.24	4.30	5.35	6.39	7.43	8.49	9.56	10.66	11.77	11.77	/ 2				
reaction time	0.132	interval	1.19	1.06	1.05	1.04	1.04	1.06	1.07	1.10	1.11			# of strides	4.30	3.13	3.23	
wind	0.5 m/s	velocity	4.88	8.40	9.43	9.52	9.62	9.62	9.43	9.35	9.09	9.01	8.50	52.0	6.98	9.58	9.29	

Heat 1 - 2014 Miko Oda Memorial (Hiroshima, JPN)*Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

date	29-Apr-14	time	2.07	3.22	4.29	5.33	6.35	7.37	8.41	9.45	10.51	11.61	11.61	4 / 2	# of strides	4.29	3.08	3.14
reaction time		interval	1.15	1.07	1.04	1.02	1.02	1.04	1.04	1.06	1.10							
wind	3.5 m/s	velocity	4.83	8.70	9.35	9.62	9.80	9.80	9.62	9.43	9.09	8.61			51.2	6.99	9.74	9.55

FINAL - 2013 Japanese National Championships (Chofu, JPN)*Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

FINAL 2013 Japanese National Championships (Sendai, JPN) / Individual (2013) / Speed change and the highest speed section appearance in the 100m race of 2012 and 2013																		
date	08-Jun-13	time	2.05	3.22	4.29	5.34	6.38	7.42	8.47	9.55	10.65	11.78	11.78	8 / 5				
reaction time		interval		1.17	1.07	1.05	1.04	1.04	1.05	1.08	1.10	1.13		# of strides	4.29	3.13	3.23	
wind	0.0 m/s	velocity	4.88	8.55	9.35	9.52	9.62	9.62	9.52	9.26	9.09	8.85	8.49	50.5	6.99	9.58	9.29	

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

date	30-Jul-12	time	6.53	7.57	8.65	9.78	10.90	12.09	12.09	8 / 6	# of strides							
reaction time	interval	1.04	1.08	1.13	1.12	1.19												3.33
wind	-0.3 m/s	velocity	7.66	9.62	9.26	8.85	8.93	8.40	8.27									9.01

Fujisawa, Sayaka (JPN) (1991)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2018 Japanese Corporate Championships (Osaka, JPN) *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

2018 Japanese Corporate Championships (Saito, 17)														Takeshi (2019)					Training performance analysis women's 100m freestyle sprinters' world, asia, and japan				
date	23-Sep-18	time	2.11	3.32	4.42	5.49	6.55	7.61	8.68	9.76	10.86	11.98	11.98	3 / 7									
reaction time	0.150	interval	1.21	1.10	1.07	1.06	1.06	1.07	1.08	1.10	1.12				# of strides	4.42	3.19	3.25					
wind	-0.1 m/s	velocity	4.74	8.26	9.09	9.35	9.43	9.43	9.35	9.26	9.09	8.93	8.35		52.6	6.79	9.40	9.23					

Heat 3 - 2017 Mikio Oda Memorial (Hiroshima, JPN)*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

Heat 5 - 2017 Mikko Gata Moncloa (Pinar del Rio, Cuba)														Masato (2017) - Race analysis of the men's and women's room in the 2017 season					
date	29-Apr-17	time	2.07	3.25	4.34	5.39	6.42	7.45	8.50	9.55	10.63	11.73	11.73	/ 2					
reaction time		interval	1.18	1.09	1.05	1.03	1.03	1.05	1.05	1.05	1.08	1.10			# of strides	4.34	3.11	3.18	
wind	2.3 m/s	velocity	4.83	8.47	9.17	9.52	9.71	9.71	9.52	9.52	9.26	9.09	8.53			50.9	6.91	9.65	9.43

Fujita, Haruka (JPN) (1992)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2008 Japanese National High School Championships (Kumagaya, JPN) *Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics data*

date	30-Jul-08	time	2.09	3.28	4.37	5.43	6.48	7.54	8.62	9.70	10.80	11.93	11.93	/ 5	# of strides	4.37	3.17	3.26
reaction time	interval	1.19	1.09	1.06	1.05	1.06	1.08	1.08	1.10	1.13	PB							
wind	0.4 m/s	velocity	9.57	8.40	9.17	9.43	9.52	9.43	9.26	9.26	9.09	8.85	8.38			6.86	9.46	9.20

Fuka Ido, Abbygail (JPN) (2001)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2019 Japanese National High School Championships (Okinawa, JPN) *Kota (2019) - 72nd high school champs: JAF scientific committee- biomechanics data*

INRAE - 2019 Japanese National High School Championships (Okinawa, JPN)										Nada (2019) - 12nd high school champs. JAF				Scientific committee - biomechanics data				
date	05-Aug-19	time	2.05	3.24	4.33	5.38	6.42	7.46	8.51	9.58	10.67	11.78	11.78	1 / 6				
reaction time		interval	1.19	1.09	1.05	1.04	1.04	1.05	1.07	1.09	1.11	PB		# of strides	4.33	3.13	3.21	
wind	-0.1 m/s	velocity	4.88	8.40	9.17	9.52	9.62	9.62	9.52	9.35	9.17	9.01	8.49		49.7	6.93	9.58	9.35

Fuksová, Karolína (CZE) (1998)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)												<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>				
date	28-Jun-14	time	3.58		5.93		8.26		10.63		13.03	13.03	6 / 3			
reaction time	0.455	interval			2.35		2.33		2.37		2.40		# of strides			
wind	-4.3 m/s	velocity	5.59		8.51		8.58		8.44		8.33	7.67				
Fukushima, Chisato (JPN) (1988)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)												<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	23-Jun-18	time	2.04	3.22	4.30	5.34	6.36	7.39	8.42	9.47	10.55	11.66	6 / 2			
reaction time	0.145	interval		1.18	1.08	1.04	1.02	1.03	1.03	1.05	1.08	1.11	# of strides	4.30	3.09	3.16
wind	0.8 m/s	velocity	4.90	8.47	9.26	9.62	9.80	9.71	9.71	9.52	9.26	9.01	8.58	54.7	6.98	9.71 9.49
FINAL - 2018 Fuse Sprint (Tottori, JPN)												<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	03-Jun-18	time	2.02	3.19	4.25	5.27	6.28	7.28	8.30	9.33	10.38	11.46	4 / 3			
reaction time		interval		1.17	1.06	1.02	1.01	1.00	1.02	1.03	1.05	1.08	# of strides	4.25	3.03	3.10
wind	1.8 m/s	velocity	4.95	8.55	9.43	9.80	9.90	10.00	9.80	9.71	9.52	9.26	8.73	54.6	7.06	9.90 9.68
FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)												<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	20-May-18	time	2.04	3.20	4.26	5.28	6.29	7.30	8.32	9.35	10.41	11.49	6 / 4			
reaction time	0.136	interval		1.16	1.06	1.02	1.01	1.01	1.02	1.03	1.06	1.08	# of strides	4.26	3.04	3.11
wind	2.3 m/s	velocity	4.90	8.62	9.43	9.80	9.90	9.90	9.80	9.71	9.43	9.26	8.70	55.0	7.04	9.87 9.65
FINAL - 2018 Mikio Oda Memorial (Hiroshima, JPN)												<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	29-Apr-18	time	2.02	3.18	4.25	5.27	6.27	7.27	8.28	9.30	10.35	11.42	4 / 1			
reaction time		interval		1.16	1.07	1.02	1.00	1.00	1.01	1.02	1.05	1.07	# of strides	4.25	3.02	3.08
wind	1.3 m/s	velocity	4.95	8.62	9.35	9.80	10.00	10.00	9.90	9.80	9.52	9.35	8.76	55.2	7.06	9.93 9.74
Heat 1 - 2017 Japanese National Championships (Osaka, JPN)												<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>				
date	23-Jun-17	time	2.05	3.20	4.25	5.29	6.30	7.32	8.35	9.40	10.46	11.55	1 / 2			
reaction time	0.145	interval		1.15	1.05	1.04	1.01	1.02	1.03	1.05	1.06	1.09	# of strides	4.25	3.07	3.14
wind	0.2 m/s	velocity	4.88	8.70	9.52	9.62	9.90	9.80	9.71	9.52	9.43	9.17	8.66	54.4	7.06	9.77 9.55
FINAL - 2016 National Sports Festival (Kitakami, JPN)												<i>Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters</i>				
date	08-Aug-16	time	2.01	3.16	4.24	5.29	6.32	7.35	8.39	9.46	10.55	11.66	7 / 1			
reaction time	0.135	interval		1.15	1.08	1.05	1.03	1.03	1.04	1.07	1.09	1.11	# of strides	4.24	3.11	3.20
wind	2.0 m/s	velocity	4.98	8.70	9.26	9.52	9.71	9.71	9.62	9.35	9.17	9.01	8.58	53.6	7.08	9.65 9.38
FINAL - 2016 Japanese National Championships (Nagoya, JPN)												<i>Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters</i>				
date	25-Jun-16	time	2.01	3.15	4.21	5.24	6.26	7.27	8.30	9.34	10.38	11.45	6 / 1			
reaction time	0.141	interval		1.14	1.06	1.03	1.02	1.01	1.03	1.04	1.04	1.07	# of strides	4.21	3.06	3.11
wind	-0.2 m/s	velocity	4.98	8.77	9.43	9.71	9.80	9.90	9.71	9.62	9.62	9.35	8.73	53.3	7.13	9.80 9.65
FINAL - 2015 Japanese National Championships (Niigata, JPN)												<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>				
date	28-Jun-15	time	2.01	3.15	4.21	5.24	6.26	7.28	8.31	9.35	10.42	11.50	7 / 1			
reaction time	0.132	interval		1.14	1.06	1.03	1.02	1.02	1.03	1.04	1.07	1.08	# of strides	4.21	3.07	3.14
wind	-0.3 m/s	velocity	4.98	8.77	9.43	9.71	9.80	9.80	9.71	9.62	9.35	9.26	8.70	53.5	7.13	9.77 9.55
Semi-Final 1 - 2015 Japanese National Championships (Niigata, JPN)												<i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>				
date	28-Jun-15	time	2.01	3.13	4.18	5.20	6.21	7.21	8.23	9.28	10.34	11.42	6 / 1			
reaction time	0.137	interval		1.12	1.05	1.02	1.01	1.00	1.02	1.05	1.06	1.08	# of strides	4.18	3.03	3.13
wind	1.9 m/s	velocity	4.98	8.93	9.52	9.80	9.90	10.00	9.80	9.52	9.43	9.26	8.76	52.5	7.18	9.90 9.58
Heat 3 - 2014 Japanese National Championships (Fukushima, JPN)												<i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>				
date	07-Jun-14	time	2.08	3.22	4.27	5.30	6.32	7.35	8.37	9.42	10.48	11.57	7 / 1			
reaction time		interval		1.14	1.05	1.03	1.02	1.03	1.02	1.05	1.06	1.09	# of strides	4.27	3.08	3.13
wind	1.1 m/s	velocity	4.81	8.77	9.52	9.71	9.80	9.71	9.80	9.52	9.43	9.17	8.64	52.0	7.03	9.74 9.58
A FINAL - 2012 Mikio Oda Memorial (Hiroshima, JPN)												<i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>				
date	29-Apr-12	time	2.03	3.15	4.20	5.23	6.24	7.24	8.25	9.27	10.29	11.34	3 / 1			
reaction time		interval		1.12	1.05	1.03	1.01	1.00	1.01	1.02	1.02	1.05	# of strides	4.20	3.04	3.05
wind	0.3 m/s	velocity	4.93	8.93	9.52	9.71	9.90	10.00	9.90	9.80	9.80	9.52	8.82	54.0	7.14	9.87 9.84
Race 2 - 2011 Fuse Sprint (Tottori, JPN)												<i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>				
date	26-Jun-11	time	1.99	3.10	4.11	5.10	6.07	7.06	8.07	9.08	10.10	11.16	7 / 1			
reaction time		interval		1.11	1.01	0.99	0.97	0.99	1.01	1.01	1.02	1.06	# of strides	4.11	2.95	3.04
wind	3.4 m/s	velocity	5.03	9.01	9.90	10.10	10.31	10.10	9.90	9.90	9.80	9.43	8.96	51.5	7.30	10.17 9.87
Race 1 - 2011 Fuse Sprint (Tottori, JPN)												<i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>				
date	26-Jun-11	time	1.99	3.11	4.15	5.15	6.16	7.14	8.14	9.15	10.19	11.24	7 / 1			
reaction time		interval		1.12	1.04	1.00	1.01	0.98	1.00	1.01	1.04	1.05	# of strides	4.15	2.99	3.05
wind	-0.3 m/s	velocity	5.03	8.93	9.62	10.00	9.90	10.20	10.00	9.90	9.62	9.52	8.90	53.4	7.23	10.03 9.84

FINAL - 2010 Mikio Oda Memorial (Hiroshima, JPN)				<i>Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride</i>														
date	29-Apr-10	time	1.96	3.09	4.13	5.14	6.14	7.13	8.13	9.14	10.17	11.21	11.21	/ 1				
reaction time		interval		1.13	1.04	1.01	1.00	0.99	1.00	1.01	1.03	1.04	NR / PB	# of strides	4.13	3.00	3.04	
wind	1.7 m/s	velocity	5.10	8.85	9.62	9.90	10.00	10.10	10.00	9.90	9.71	9.62	8.92	54.5	7.26	10.00	9.87	
Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)																		
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>																		
date	16-Aug-09	time		3.14	4.20	5.22		7.26		9.30		11.43	11.43	2 / 7				
reaction time	0.142	interval			1.06	1.02		2.04		2.04		2.13		# of strides	4.20	3.06		
wind	0.8 m/s	velocity		6.37	9.43	9.80		9.80		9.80		9.39	8.75	53.5	7.14	9.80		
Heat 1 - 2009 Japanese National Championships (Hiroshima, JPN)																		
<i>Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season</i>																		
date	27-Jun-09	time	2.02	3.16	4.20	5.22	6.23	7.23	8.23	9.25	10.30	11.32	11.32	7 / 1				
reaction time		interval		1.14	1.04	1.02	1.01	1.00	1.00	1.02	1.05	1.02		# of strides	4.20	3.03	3.07	
wind	1.5 m/s	velocity	4.95	8.77	9.62	9.80	9.90	10.00	10.00	9.80	9.52	9.80	8.83	51.2	7.14	9.90	9.77	
A FINAL - 2009 Mikio Oda Memorial (Hiroshima, JPN)																		
<i>Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season</i>																		
date	29-Apr-09	time	1.99	3.11	4.14	5.14	6.13	7.12	8.11	9.12	10.16	11.23	11.23	5 / 1				
reaction time		interval		1.12	1.03	1.00	0.99	0.99	0.99	1.01	1.04	1.07		# of strides	4.14	2.98	3.04	
wind	2.2 m/s	velocity	5.03	8.93	9.71	10.00	10.10	10.10	10.10	9.90	9.62	9.35	8.90	52.0	7.25	10.07	9.87	
FINAL - 2008 Seiko Super Grand Prix (Kawasaki, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	23-Sep-08	time	2.04	3.21	4.28	5.32	6.35	7.39	8.44	9.50	10.59	11.70	11.70	/ 1				
reaction time		interval		1.17	1.07	1.04	1.03	1.04	1.05	1.06	1.09	1.11		# of strides	4.28	3.11	3.20	
wind	-0.6 m/s	velocity	4.90	8.55	9.35	9.62	9.71	9.62	9.52	9.43	9.17	9.01	8.55		7.01	9.65	9.38	
FINAL - 2008 Nambu Chuhei Memorial (Hakodate, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	06-Jul-08	time	2.06	3.20	4.24	5.25	6.25	7.26	8.28	9.32	10.40	11.49	11.49	/ 1				
reaction time		interval		1.14	1.04	1.01	1.00	1.01	1.02	1.04	1.08	1.09		# of strides	4.24	3.02	3.14	
wind	1.5 m/s	velocity	4.85	8.77	9.62	9.90	10.00	9.90	9.80	9.62	9.26	9.17	8.70		7.08	9.93	9.55	
Heat 1 - 2008 Nambu Chuhei Memorial (Hakodate, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	06-Jul-08	time	2.07	3.22	4.28	5.32	6.35	7.37	8.39	9.42	10.48	11.56	11.56	/ 1				
reaction time		interval		1.15	1.06	1.04	1.03	1.02	1.02	1.03	1.06	1.08		# of strides	4.28	3.09	3.11	
wind	1.1 m/s	velocity	4.83	8.70	9.43	9.62	9.71	9.80	9.80	9.71	9.43	9.26	8.65		7.01	9.71	9.65	
FINAL - 2008 Japanese National Championships (Kawasaki, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	29-Jun-08	time	2.01	3.15	4.20	5.23	6.23	7.25	8.27	9.32	10.39	11.48	11.48	/ 1				
reaction time		interval		1.14	1.05	1.03	1.00	1.02	1.02	1.05	1.07	1.09		# of strides	4.20	3.05	3.14	
wind	0.4 m/s	velocity	4.98	8.77	9.52	9.71	10.00	9.80	9.80	9.52	9.35	9.17	8.71		7.14	9.84	9.55	
FINAL - 2008 Osaka Grand Prix (Osaka, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	10-May-08	time	2.06	3.21	4.28	5.33	6.35	7.37	8.39	9.43	10.48	11.56	11.56	1 / 3				
reaction time		interval		1.15	1.07	1.05	1.02	1.02	1.02	1.04	1.05	1.08		# of strides	4.28	3.09	3.11	
wind	1.2 m/s	velocity	4.85	8.70	9.35	9.52	9.80	9.80	9.80	9.62	9.52	9.26	8.65		7.01	9.71	9.65	
FINAL - 2008 Mikio Oda Memorial (Hiroshima, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	29-Apr-08	time	2.04	3.16	4.21	5.22	6.22	7.22	8.23	9.24	10.28	11.36	11.36	/ 1				
reaction time		interval		1.12	1.05	1.01	1.00	1.00	1.01	1.01	1.04	1.08	NR / PB	# of strides	4.21	3.01	3.06	
wind	1.7 m/s	velocity	4.90	8.93	9.52	9.90	10.00	10.00	9.90	9.90	9.62	9.26	8.80		7.13	9.97	9.80	
Heat 3 - 2008 Mikio Oda Memorial (Hiroshima, JPN)																		
<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																		
date	29-Apr-08	time	2.01	3.17	4.24	5.29	6.32	7.34	8.37	9.40	10.45	11.53	11.53	/ 1				
reaction time		interval		1.16	1.07	1.05	1.03	1.02	1.03	1.03	1.05	1.08		# of strides	4.24	3.10	3.11	
wind	0.7 m/s	velocity	4.98	8.62	9.35	9.52	9.71	9.80	9.71	9.71	9.52	9.26	8.67		7.08	9.68	9.65	
Fukushima, Mio (JPN) (1995)				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)																		
<i>Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics</i>																		
date	30-Jul-12	time					6.56	7.61	8.69	9.79	10.90	12.06	12.06		7 / 4			
reaction time		interval						1.05	1.08	1.10	1.11	1.16		# of strides			3.29	
wind	-0.3 m/s	velocity					7.62	9.52	9.26	9.09	9.01	8.62	8.29				9.12	
Fynes, Savatheda (BAH) (1974)				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2000 Olympic Games (Sydney, AUS)																		
<i>Veney - Sydney 100m women's splits</i>																		
date	24-Sep-00	time			4.05		6.19	7.23	8.17		10.14	11.22	11.22		8 / 2 6			
reaction time		interval					2.14	1.04	0.94		1.97	1.08		# of strides	4.05	3.18	2.91	
wind	-0.4 m/s	velocity			7.41		9.35	9.62	10.64		10.15	9.26	8.91		7.41	9.43	10.31	
FINAL - 2000 ISTAF (Berlin, GER)																		
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																		
date	01-Sep-00	time		3.06	4.07	5.05		6.98				11.03	11.03		/ 2 1			
reaction time	0.170	interval			1.01	0.98		1.93				4.05		# of strides	4.07	2.91		
wind	0.1 m/s	velocity		6.54	9.90	10.20		10.36				9.88	9.07		7.37	10.31		

Gaines, Chryste (USA) (1970)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)																	
													<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	27-Jun-08	time	2.09	3.25	4.26	5.26	6.23	7.20	8.20	9.22	10.22	11.24	11.24	8 / 7			
reaction time		interval		1.16	1.01	1.00	0.97	0.97	1.00	1.02	1.00	1.02		# of strides	4.26	2.94	3.02
wind	0.7 m/s	velocity	4.78	8.62	9.90	10.00	10.31	10.31	10.00	9.80	10.00	9.80	8.90		7.04	10.20	9.93

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

													<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	27-Jun-08	time	2.07	3.20	4.22	5.22	6.19	7.15	8.16	9.13	10.14	11.15	11.15	3 / 4			
reaction time		interval		1.13	1.02	1.00	0.97	0.96	1.01	0.97	1.01	1.01		# of strides	4.22	2.93	2.99
wind	1.8 m/s	velocity	4.83	8.85	9.80	10.00	10.31	10.42	9.90	10.31	9.90	9.90	8.97		7.11	10.24	10.03

Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)

													<i>USATF Women's Sprint Development (2004)</i>				
date	10-Jul-04	time	2.13	3.24	4.27	5.29	6.25	7.26	8.21	9.21	10.23	11.30	11.30	4 / 5			
reaction time		interval		1.11	1.03	1.02	0.96	1.01	0.95	1.00	1.02	1.07	DV	# of strides	4.27	2.99	2.97
wind	-0.1 m/s	velocity	4.69	9.01	9.71	9.80	10.42	9.90	10.53	10.00	9.80	9.35	8.85	50.5	7.03	10.03	10.10

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

													<i>USATF Women's Sprint Development (2004)</i>				
date	09-Jul-04	time	2.12	3.27	4.31	5.34	6.29	7.29	8.28	9.26	10.33	11.39	11.39	7 / 2			
reaction time		interval		1.15	1.04	1.03	0.95	1.00	0.99	0.98	1.07	1.06	DV	# of strides	4.31	2.98	3.04
wind	-1.4 m/s	velocity	4.72	8.70	9.62	9.71	10.53	10.00	10.10	10.20	9.35	9.43	8.78	51.0	6.96	10.07	9.87

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

													<i>USATF Women's Sprint Development (2003)</i>				
date	20-Jun-03	time	2.07	3.27	4.25	5.22	6.21	7.17	8.18	9.17	10.19	11.21	11.21	1 / 5			
reaction time		interval		1.20	0.98	0.97	0.99	0.96	1.01	0.99	1.02	1.02	DV	# of strides	4.25	2.92	3.02
wind	-1.1 m/s	velocity	4.83	8.33	10.20	10.31	10.10	10.42	9.90	10.10	9.80	9.80	8.92		7.06	10.27	9.93

FINAL - 2000 ISTAF (Berlin, GER)

													<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	01-Sep-00	time		3.18	4.23	5.24		7.18				11.19	11.19	/ 5 4			
reaction time	0.150	interval			1.05	1.01		1.94				4.01		# of strides	4.23	2.95	
wind	0.1 m/s	velocity		6.29	9.52	9.90		10.31				9.98	8.94		7.09	10.17	

FINAL - 2000 USA Olympic Trials (Sacramento, CA)

													<i>Lyle - miscellaneous coaching notes</i>				
date	15-Jul-00	time	2.04		4.22		6.12	7.09			10.06	11.13	11.13	/ 3			
reaction time		interval			2.18		1.90	0.97			2.97	1.07		# of strides	4.22	2.87	2.97
wind	-1.0 m/s	velocity	4.90		4.59		10.53	10.31			10.10	9.35	8.98		7.11	10.45	10.10

FINAL - 1996 USA Olympic Trials (Atlanta, GA)

													<i>USATF Women's Sprint Development (1996)</i>				
date	15-Jun-96	time	1.94		4.19		6.06				9.93	10.96	10.96	5 / 5			
reaction time		interval			2.25		1.87				3.87	1.03	PB	# of strides	4.19		
wind	1.1 m/s	velocity	5.15		8.89		10.70				10.34	9.71	9.12	50.0	7.16		

Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)

													<i>USATF Women's Sprint Development (1996)</i>				
date	15-Jun-96	time	2.00		4.22		6.10				10.00	11.02	11.02	5 / 2			
reaction time		interval			2.22		1.88				3.90	1.02	=PB	# of strides	4.22		
wind	0.2 m/s	velocity	5.00		9.01		10.64				10.26	9.80	9.07	47.8	7.11		

FINAL - 1995 USATF National Championships (Sacramento, CA)

													<i>Lyle - miscellaneous coaching notes</i>				
date	16-Jun-95	time	1.94	3.18	4.26	5.28	6.30	7.31	8.33	9.35	10.37	11.45	11.45	4 / 5			
reaction time		interval		1.24	1.08	1.02	1.02	1.01	1.02	1.02	1.02	1.08		# of strides	4.26	3.05	3.06
wind	0.0 m/s	velocity	5.15	8.06	9.26	9.80	9.80	9.90	9.80	9.80	9.80	9.26	8.73		7.04	9.84	9.80

Gaither, TyNia (BAH) (1993)

FINAL - 2022 Commonwealth Games (Birmingham, GBR)																	
													<i>Longines Timing (2022) - commonwealth games race analysis</i>				
date	03-Aug-22	time		3.1		5.2		7.1		9.1		11.23	11.23	2 / 7			
reaction time	0.125	interval				2.10		1.90		2.00		2.13		# of strides			
wind	0.4 m/s	velocity		6.45		9.52		10.53		10.00		9.39	8.90	53.2			

FINAL - 2022 FBK Games (Hengelo, NED)

													<i>Omega Timing (2022) - continental tour race analysis</i>				
date	06-Jun-22	time		3.1		5.2		7.2		9.1		11.23	11.23	4 / 2			
reaction time	0.134	interval				2.10		2.00		1.90		2.13		# of strides			
wind	0.8 m/s	velocity		6.45		9.52		10.00		10.53		9.39	8.90	53.5			

Gallignani, Laura (ITA) (1971)

FINAL - 1994 Italian National Championships (Naples, ITA)																	
													<i>Locatelli (2000) - the mechanics and energetics of the 100m sprint</i>				
date	???	time	1.92	3.22	4.31	5.35	6.36	7.43				12.01	12.01				
reaction time		interval		1.30	1.09	1.04	1.01	1.07				4.58		# of strides	4.31	3.12	
wind	???	velocity	5.21	7.69	9.17	9.62	9.90	9.35				8.73	8.33		6.96	9.62	

Gallina, Giada (ITA) (1973)

FINAL - 1994 Italian National Championships (Naples, ITA)																	
													<i>Locatelli (2000) - the mechanics and energetics of the 100m sprint</i>				
date	???	time	1.92	3.20	4.28	5.31	6.30	7.31				11.65	11.65	/ 1			

reaction time	interval	1.28	1.08	1.03	0.99	1.01						4.34		# of strides	4.28	3.03
wind	??? velocity	5.21	7.81	9.26	9.71	10.10	9.90					9.22	8.58		7.01	9.90
Gandulla, Aralis (POR) (1995)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
National FINAL - 2023 Weltklasse (Zürich, SUI)												<i>Omega Timing (2023) - diamond league race analysis</i>				
date	31-Aug-23	time	2.10	3.26	4.32	5.33	6.33	7.33	8.33	9.35	10.39	11.45		3 / 7		
reaction time	0.158	interval		1.16	1.06	1.01	1.00	1.00	1.02	1.04	1.06			# of strides	4.32	3.01
wind	-0.1 m/s	velocity	4.76	8.62	9.43	9.90	10.00	10.00	10.00	9.80	9.62	9.43	8.73		6.94	9.97
Ge Manqi (CHN) (1997)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)												<i>Jiang (2019) - data analysis of women's sprint finals in the world championships trials</i>				
date	02-Aug-19	time	2.08	3.20	4.27	5.30	6.31	7.32	8.34	9.37	10.41	11.49		6 / 3		
reaction time		interval		1.12	1.07	1.03	1.01	1.01	1.02	1.03	1.04	1.08		# of strides	4.27	3.05
wind	-1.2 m/s	velocity	4.81	8.93	9.35	9.71	9.90	9.90	9.80	9.71	9.62	9.26	8.70		7.03	9.84
Heat 2 - 2017 National Grand Prix Final (Guiyang, CHN) (Altitude)												<i>Jiang (2017) CAA sport science report</i>				
date	25-Jun-17	time	1.90	3.06	4.12	5.13	6.13	7.14	8.15	9.20	10.26	11.34	11.52	/ 1		
reaction time		interval		1.16	1.06	1.01	1.00	1.01	1.01	1.05	1.06	1.08		# of strides	4.12	3.02
wind	0.9 m/s	velocity	5.26	8.62	9.43	9.90	10.00	9.90	9.90	9.52	9.43	9.26	8.68		52.0	9.93
Gefliikh, Anna (RUS) (1983)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)												<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	16-Aug-09	time		3.23	4.28	5.29		7.32		9.33		11.46	11.46	7 / 5		
reaction time	0.199	interval			1.05	1.01		2.03		2.01		2.13		# of strides	4.28	3.04
wind	0.1 m/s	velocity		6.19	9.52	9.90		9.85		9.95		9.39	8.73		7.01	9.87
Heat 8 - 2009 IAAF World Championships (Berlin, GER)												<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	16-Aug-09	time		3.22	4.27	5.28		7.32		9.35		11.47	11.47	4 / 2		
reaction time	0.166	interval			1.05	1.01		2.04		2.03		2.12		# of strides	4.27	3.05
wind	1.1 m/s	velocity		6.21	9.52	9.90		9.80		9.85		9.43	8.72		7.03	9.84
Gerulová, Emily (CZE) (1997)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE)												<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>				
date	28-Jun-14	time	2.14	3.35	4.49	5.63	6.76	7.93	9.10	10.27	11.46	12.68	12.68	2 / 2		
reaction time	0.158	interval		1.21	1.14	1.14	1.13	1.17	1.17	1.17	1.19	1.22		# of strides	4.49	3.44
wind	-6.4 m/s	velocity	4.67	8.26	8.77	8.77	8.85	8.55	8.55	8.55	8.40	8.20	7.89		6.68	8.50
Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)												<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>				
date	28-Jun-14	time		3.33		5.56		7.80		10.12		12.51	12.51	5 / 2		
reaction time	0.154	interval				2.23		2.24		2.32		2.39		# of strides		
wind	-4.3 m/s	velocity		6.01		8.97		8.93		8.62		8.37	7.99			
Gevaert, Kim (BEL) (1978)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)												<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>				
date	23-Sep-07	time	3.16	4.19	5.19		7.18		9.21		11.29	11.29		7 / 4		
reaction time	0.143	interval			1.03	1.00		1.99		2.03		2.08		# of strides	4.19	2.99
wind	-0.6 m/s	velocity		6.33	9.71	10.00		10.05		9.85		9.62	8.86		7.16	10.03
FINAL - 2007 IAAF World Championships (Osaka, JPN)												<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>				
date	27-Aug-07	time	1.98	3.10	4.11	5.10	6.08	7.04	8.02	9.01	10.01	11.05	11.05	3 / 5		
reaction time	0.143	interval		1.12	1.01	0.99	0.98	0.96	0.98	0.99	1.00	1.04		# of strides	4.11	2.93
wind	-0.2 m/s	velocity	5.05	8.93	9.90	10.10	10.20	10.42	10.20	10.10	10.00	9.62	9.05		46.0	10.24
FINAL - 2002 European Championships (Munich, GER)												<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	07-Aug-02	time	3.15	4.19	5.19		7.17		9.18		11.23	11.22		/ 2		
reaction time	0.139	interval			1.04	1.00		1.98		2.01		2.05		# of strides	4.19	2.98
wind	-0.7 m/s	velocity		6.35	9.62	10.00		10.10		9.95		9.76	8.91		47.8	10.07
Semi-Final 1 - 2002 European Championships (Munich, GER)												<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	07-Aug-02	time	3.15	4.19	5.19		7.17		9.17		11.27	11.27		/ 1		
reaction time	0.138	interval			1.04	1.00		1.98		2.00		2.10		# of strides	4.19	2.98
wind	0.0 m/s	velocity		6.35	9.62	10.00		10.10		10.00		9.52	8.87		7.16	10.07
Heat 3 - 2002 European Championships (Munich, GER)												<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	06-Aug-02	time	3.14	4.17	5.17		7.13		9.13		11.19	11.19		/ 1		
reaction time	0.140	interval			1.03	1.00		1.96		2.00		2.06		# of strides	4.17	2.96
wind	0.0 m/s	velocity		6.37	9.71	10.00		10.20		10.00		9.71	8.94		7.19	10.14
Gjesbakk, Vilde (NOR) (1996)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2014 Windsprint (Sundsvall, SWE)												<i>(2014) - www.ssg.se/windsprint/Splittider/</i>				
date	20-Jul-14	time		4.62			7.98		10.27		12.67	12.67		7 / 7		
reaction time		interval					3.36		2.29		2.40			# of strides	4.62	3.36

wind	0.7 m/s	velocity	6.49	8.93	8.73	8.33	7.89	6.49	8.93								
Glenn, Gabrielle (USA) (1989)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2008 USATF National Junior Championships (Columbus, OH) <i>USATF Women's Sprint Development with HPC (2008)</i>																	
date	20-Jun-08	time	2.16	3.28	4.32	5.36	6.37	7.36	8.39	9.43	10.48	11.56	11.56	1 / 5			
reaction time	0.164	interval	1.12	1.04	1.04	1.01	0.99	1.03	1.04	1.05	1.08		# of strides	4.32	3.04	3.12	
wind	1.3 m/s	velocity	4.63	8.93	9.62	9.62	9.90	10.10	9.71	9.62	9.52	9.26	8.65	6.94	9.87	9.62	
Gloor, Michelle (SUI) (2000)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
B FINAL - Heat 2 - 2021 Athletissima (Lausanne, SUI) <i>Omega Timing (2021) - diamond league race analysis</i>																	
date	26-Aug-21	time		3.3		5.4		7.5		9.5		11.62	11.62	2 / 3			
reaction time	0.164	interval			2.10		2.10		2.00		2.12	PB	# of strides				
wind	1.2 m/s	velocity		6.06		9.52		9.52		10.00		9.43	8.61				
Gnafoua, Floriane (FRA) (1996)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
B FINAL - Heat 2 - 2022 Athletissima (Lausanne, SUI) <i>Omega Timing (2022) - diamond league race analysis</i>																	
date	26-Aug-22	time		3.2		5.3		7.3		9.4		11.67	11.67	7 / 2			
reaction time	0.177	interval			2.10		2.00		2.10		2.27		# of strides				
wind	-2.7 m/s	velocity		6.25		9.52		10.00		9.52		8.81	8.57				
Göhr, Marlies (GDR) (1958)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>																	
date	25-Sep-88	time	2.07	3.20	4.24	5.22	6.18	7.12	8.11	9.11	10.12	11.13	11.13	4 / 6			
reaction time	0.160	interval		1.13	1.04	0.98	0.96	0.94	0.99	1.00	1.01	1.01		# of strides	4.24	2.88	3.00
wind	0.5 m/s	velocity	4.83	8.85	9.62	10.20	10.42	10.64	10.10	10.00	9.90	9.90	8.98	7.08	10.42	10.00	
FINAL - 1987 European Cup (Prague, TCH) <i>Sušanka (1987) - hints on computer processing of biomechanical data</i>																	
date	28-Jun-87	time	2.03	3.19	4.17	5.14	6.10	7.04	8.00	8.98	9.97	10.95	10.95	5 / 1			
reaction time		interval		1.16	0.98	0.97	0.96	0.94	0.96	0.98	0.99	0.98		# of strides	4.17	2.87	2.93
wind	-0.4 m/s	velocity	4.93	8.62	10.20	10.31	10.42	10.64	10.42	10.20	10.10	10.20	9.13	55.0	7.19	10.45	10.24
FINAL - 1983 IAAF World Championships (Helsinki, FIN) <i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>																	
date	08-Aug-83	time		3.08	4.10	5.08	6.04	6.98	7.96	8.93		10.97	10.97	8 / 1			
reaction time	0.131	interval			1.02	0.98	0.96	0.94	0.98	0.97		2.04	CR	# of strides	4.10	2.88	
wind	-0.5 m/s	velocity		6.49	9.80	10.20	10.42	10.64	10.20	10.31		9.80	9.12	56.0	7.32	10.42	
A FINAL - 1983 Olympischen Tag (East Berlin, GDR) <i>Bauersfeld (1992) - Grundlagen der leichtathletik: das standerwerk für ausbildung und praxis</i>																	
date	08-Jun-83	time			4.14			6.98		8.86		10.81	10.81	1 / 1			
reaction time		interval						2.84		1.88		1.95	WR	# of strides	4.14	2.84	
wind	1.7 m/s	velocity			7.25			10.56		10.64		10.26	9.25	7.25	10.56		
Oelsner, Marlies (GDR) (1958)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1977 East German National Championships (Dresden, GDR) <i>Heß (1978) - geschwindigkeitsdynamik von sprintern 100m-lauf beir wettkampflaufen olympiazyklus 73/76</i>																	
date	01-Jul-77	time		4.12				7.00		8.92		10.88	10.88	4 / 1			
reaction time		interval						2.88		1.92		1.96	WR / WYB	# of strides	4.12	2.88	
wind	2.0 m/s	velocity			7.28			10.42		10.42		10.20	9.19	55.0	7.28	10.42	
Goodwin, Deanna (USA) (1985)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA) <i>USATF Women's Sprint Development (2003)</i>																	
date	22-Jun-03	time	2.18	3.37	4.47	5.54	6.59	7.64	8.68	9.77	10.89	11.99	11.99	8 / 8			
reaction time		interval		1.19	1.10	1.07	1.05	1.05	1.04	1.09	1.12	1.10		# of strides	4.47	3.17	3.25
wind	0.7 m/s	velocity	4.59	8.40	9.09	9.35	9.52	9.52	9.62	9.17	8.93	9.09	8.34	6.71	9.46	9.23	
Graham, Nolle (USA) (1981)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA) <i>USATF Women's Sprint Development (2004)</i>																	
date	10-Jul-04	time	2.14	3.30	4.35	5.41	6.45	7.51	8.53	9.60	10.69	11.80	11.80	7 / 8 6			
reaction time		interval		1.16	1.05	1.06	1.04	1.06	1.02	1.07	1.09	1.11		# of strides	4.35	3.16	3.18
wind	-0.1 m/s	velocity	4.67	8.62	9.52	9.43	9.62	9.43	9.80	9.35	9.17	9.01	8.47	51.0	6.90	9.49	9.43
Quarter-Final 4 - 2004 USA Olympic Trials (Sacramento, CA) <i>USATF Women's Sprint Development (2004)</i>																	
date	09-Jul-04	time	2.14	3.31	4.36	5.37	6.39	7.42	8.45	9.53	10.56	11.70	11.70	7 / 5			
reaction time		interval		1.17	1.05	1.01	1.02	1.03	1.03	1.08	1.03	1.14		# of strides	4.36	3.06	3.14
wind	-0.8 m/s	velocity	4.67	8.55	9.52	9.90	9.80	9.71	9.71	9.26	9.71	8.77	8.55	52.0	6.88	9.80	9.55
Green, Francesca (USA) (1977)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1996 USATF National Junior Championships (Delaware, OH) <i>USATF Women's Sprint Development (1996)</i>																	
date	28-Jun-96	time	2.13		4.44		6.37	7.40			10.53	11.76	11.76	1 / 6			
reaction time		interval			2.31		1.93	1.03			3.13	1.23		# of strides	4.44	2.96	3.13
wind	0.5 m/s	velocity	4.69		8.66		10.36	9.71			9.58	8.13	8.50	6.76	10.14	9.58	
Griffith-Joyner, Florence (USA) (1959)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m											Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>																	
date	25-Sep-88	time	2.00	3.09	4.09	5.04	5.97	6.89	7.80	8.71	9.62	10.54	10.54	3 / 1			

reaction time	0.131	interval	1.09	1.00	0.95	0.93	0.92	0.91	0.91	0.91	0.92		# of strides	4.09	2.80	2.73	
wind	3.0 m/s	velocity	5.00	9.17	10.00	10.53	10.75	10.87	10.99	10.99	10.99	10.87	9.49	47.6	7.33	10.71	10.99

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

date	25-Sep-88	time	2.01	3.12	4.14	5.13	6.07	6.99	7.92	8.84	9.76	10.70	10.70	5 / 1			
reaction time	0.336	interval	1.11	1.02	0.99	0.94	0.92	0.93	0.92	0.92	0.94			# of strides	4.14	2.85	2.77
wind	2.6 m/s	velocity	4.98	9.01	9.80	10.10	10.64	10.87	10.75	10.87	10.87	10.64	9.35		7.25	10.53	10.83

FINAL - 1988 USA Olympic Trials (Indianapolis, IN)*Veney - Split times from PJ*

date	17-Jul-88	time		4.07				6.90		8.74		10.61	10.61	/ 1			
reaction time	0.12	interval						2.83		1.84		1.87		# of strides	4.07	2.83	
wind	1.2 m/s	velocity		7.37				10.60		10.87		10.70	9.43		7.37	10.60	

Quarter-Final 1 - 1988 USA Olympic Trials (Indianapolis, IN)*Veney - Split times from PJ*

date	16-Jul-88	time			5.05	5.97	6.87	7.76	8.66	9.56	10.49	10.49	5 / 1				
reaction time		interval				0.92	0.90	0.89	0.90	0.90	0.93	WR		# of strides			2.69
wind	0.0 m/s	velocity			7.92	10.87	11.11	11.24	11.11	11.11	10.75	9.53		47.5			11.15

Grønneberg, Alvide (NOR) (1992)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****C FINAL** - 2014 Windsprint (Sundsvall, SWE)*(2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time		4.42			7.66		9.87		12.13	12.13	4 / 1				
reaction time		interval					3.24		2.21		2.26		# of strides	4.42	3.24		
wind	0.7 m/s	velocity		6.79			9.26		9.05		8.85	8.24		6.79	9.26		

Grønhaug, Stine Marie (NOR) (1992)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****C FINAL** - 2009 Windsprint (Sundsvall, SWE)*(2009) - www.ssg.se/en/Windsprint/Split-times/*

date	25-Jul-09	time		4.72			8.07		10.32		12.68	12.68	/ 1				
reaction time		interval					3.35		2.25		2.36		# of strides	4.72	3.35		
wind	0.9 m/s	velocity		6.36			8.96		8.89		8.47	7.89		6.36	8.96		

Guidry, Carlette (USA) (1968)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 1996 USA Olympic Trials (Atlanta, GA)*USATF Women's Sprint Development (1996)*

date	15-Jun-96	time	1.99		4.23		6.12			10.03	11.07	11.07	2 / 7				
reaction time		interval			2.24		1.89			3.91	1.04		# of strides	4.23			
wind	1.1 m/s	velocity	5.03		8.93		10.58			10.23	9.62	9.03		47.0	7.09		

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

date	15-Jun-96	time	2.08		4.03		6.17			10.06	11.06	11.06	4 / 3				
reaction time		interval			1.95		2.14			3.89	1.00		# of strides	4.03			
wind	1.1 m/s	velocity	4.81		10.26		9.35			10.28	10.00	9.04		47.5	7.44		

FINAL - 1995 USATF National Championships (Sacramento, CA)*Lyle - miscellaneous coaching notes*

date	16-Jun-95	time	1.92	3.15	4.18	5.19	6.14	7.12	8.08	9.08	10.08	11.12	11.12	6 / 2			
reaction time		interval		1.23	1.03	1.01	0.95	0.98	0.96	1.00	1.00	1.04		# of strides	4.18	2.94	2.96
wind	0.0 m/s	velocity	5.21	8.13	9.71	9.90	10.53	10.20	10.42	10.00	10.00	9.62	8.99		7.18	10.20	10.14

FINAL - 1990 Goodwill Games (Seattle, WA)*Lyle (1990) - goodwill games women's 100m splits*

date	24-Jul-90	time	2.04	3.15	4.19	5.16	6.13	7.05	8.02		9.99	11.02	11.03	6 / 1			
reaction time		interval		1.11	1.04	0.97	0.97	0.92	0.97		1.97	1.03	PB	# of strides	4.19	2.86	2.94
wind	0.0 m/s	velocity	4.90	9.01	9.62	10.31	10.31	10.87	10.31		10.15	9.71	9.07		7.16	10.49	10.20

Günther, Leena (GER) (1991)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2010 German National Junior Championships (Ulm, GER)*Graubner (2010) - http://www.fgs.uni-halle.de*

date	06-Aug-10	time	3.36	4.41	5.43		7.44		9.47		11.54	11.54	/ 1				
reaction time		interval		1.05	1.02		2.01		2.03		2.07		# of strides	4.41	3.03		
wind	0.4 m/s	velocity	5.95	9.52	9.80		9.95		9.85		9.66	8.67		6.80	9.90		

Gutschmidt, Melissa (SUI) (2002)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****National FINAL** - 2023 Weltklasse (Zürich, SUI)*Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	2.07	3.21	4.26	5.26	6.26	7.25	8.26	9.28	10.32	11.39	11.39	2 / 3			
reaction time	0.171	interval		1.14	1.05	1.00	1.00	0.99	1.01	1.02	1.04	1.07		# of strides	4.26	2.99	3.07
wind	-0.1 m/s	velocity	4.83	8.77	9.52	10.00	10.00	10.10	9.90	9.80	9.62	9.35	8.78		7.04	10.03	9.77

B FINAL - Heat 2 - 2022 Athletissima (Lausanne, SUI)*Omega Timing (2022) - diamond league race analysis*

date	26-Aug-22	time		3.2		5.3		7.4		9.5		11.82	11.82	5 / 5			
reaction time	0.173	interval				2.10		2.10		2.10		2.32		# of strides			
wind	-2.7 m/s	velocity		6.25		9.52		9.52		9.52		8.62	8.46				

B FINAL - Heat 2 - 2021 Athletissima (Lausanne, SUI)*Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time		3.3		5.3		7.3		9.3		11.37	11.37	4 / 1			
reaction time	0.143	interval				2.00		2.00		2.00		2.07	PB	# of strides			
wind	1.2 m/s	velocity		6.06		10.00		10.00		10.00		9.66	8.80				

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Hanae, Aoyama (JPN) (2002)																		
FINAL - 2020 Japanese National Championships (Niigata, JPN)																		
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																		
date	02-Oct-20	time	2.00	3.17	4.25	5.29	6.33	7.36	8.41	9.49	10.59	11.72	11.72	8 / 4				
reaction time	0.121	interval		1.17	1.08	1.04	1.04	1.03	1.05	1.08	1.10	1.13		# of strides	4.25	3.11	3.23	
wind	0.5 m/s	velocity	5.00	8.55	9.26	9.62	9.62	9.71	9.52	9.26	9.09	8.85	8.53		7.06	9.65	9.29	
Harmon, Donita (USA) (1983)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
FINAL - 2009 Windsprint (Sundsvall, SWE)																		
(2009) - www.ssg.se/en/Windsprint/Split-times/																		
date	25-Jul-09	time		4.41			7.55		9.64		11.85	11.85	11.85	1 / 4				
reaction time		interval					3.14		2.09		2.21			# of strides	4.41	3.14		
wind	2.0 m/s	velocity		6.80			9.55		9.57		9.05	8.44			6.80	9.55		
FINAL - 2008 Windsprint (Sundsvall, SWE)																		
(2008) - www.ssg.se/en/Windsprint/Split-times/																		
date	06-Jul-08	time		4.38			7.42		9.53		11.63	11.63	11.63	2 / 3				
reaction time		interval					3.04		2.11		2.10			# of strides	4.38	3.04		
wind	1.0 m/s	velocity		6.85			9.87		9.48		9.52	8.60			6.85	9.87		
Harrigan, Tahesia (IVB) (1982)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)																		
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																		
date	17-Aug-09	time		3.14	4.19	5.20		7.24		9.25		11.34	11.34	8 / 7				
reaction time	0.146	interval			1.05	1.01		2.04		2.01		2.09		# of strides	4.19	3.05		
wind	-0.1 m/s	velocity		6.37	9.52	9.90		9.80		9.95		9.57	8.82		7.16	9.84		
Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)																		
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																		
date	16-Aug-09	time		3.11	4.14	5.14		7.14		9.12		11.21	11.21	4 / 3				
reaction time	0.150	interval			1.03	1.00		2.00		1.98		2.09		# of strides	4.14	3.00		
wind	0.8 m/s	velocity		6.43	9.71	10.00		10.00		10.10		9.57	8.92		49.7	7.25	10.00	
Heat 7 - 2009 IAAF World Championships (Berlin, GER)																		
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																		
date	16-Aug-09	time		3.14	4.18	5.19		7.23		9.27		11.39	11.39	7 / 2				
reaction time	0.160	interval			1.04	1.01		2.04		2.04		2.12		# of strides	4.18	3.05		
wind	-0.5 m/s	velocity		6.37	9.62	9.90		9.80		9.80		9.43	8.78		7.18	9.84		
FINAL - 2009 ISTAF (Berlin, GER)																		
Graubner (2009) - http://www.fgs.uni-halle.de																		
date	14-Jun-09	time		3.17	4.22	5.23		7.26		9.35		11.47	11.47	1 / 9				
reaction time	0.180	interval			1.05	1.01		2.03		2.09		2.12		# of strides	4.22	3.04		
wind	0.1 m/s	velocity		6.31	9.52	9.90		9.85		9.57		9.43	8.72		7.11	9.87		
Hasegawa, Aiki (JPN) (1999)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)																		
Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data																		
date	30-Jul-17	time		4.40			7.75				11.23	12.44	12.44	9 / 8				
reaction time	0.163	interval					3.35				3.48	1.21		# of strides	4.40	3.35	3.48	
wind	-3.0 m/s	velocity		6.82			8.96				8.62	8.26	8.04		6.82	8.96	8.62	
Hashizume, Sakina (JPN) (1993)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)																		
Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics																		
date	30-Jul-10	time	2.11	3.34		5.59	6.68	7.79	8.92	10.05	11.18	12.35	12.35	3 / 2				
reaction time		interval		1.23		2.25	1.09	1.11	1.13	1.13	1.13	1.17		# of strides			3.33	
wind	-3.2 m/s	velocity	4.74	8.13		8.89	9.17	9.01	8.85	8.85	8.85	8.55	8.10				9.01	
Hassel, Julia (SWE) (1994)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
B FINAL - 2015 Windsprint (Sundsvall, SWE)																		
(2015) - www.windsprint/Splittider/																		
date	26-Jul-15	time		4.77			8.16		10.45		12.81	12.81	12.81	6 / 5				
reaction time		interval					3.39		2.29		2.36			# of strides	4.77	3.39		
wind	2.1 m/s	velocity		6.29			8.85		8.73		8.47	7.81			6.29	8.85		
C FINAL - 2010 Windsprint (Sundsvall, SWE)																		
(2010) - www.ssg.se/en/Windsprint/Split-times/																		
date	08-Aug-10	time		4.72			8.05		10.26		12.55	12.55	12.55	4 / 4				
reaction time		interval					3.33		2.21		2.29			# of strides	4.72	3.33		
wind	3.5 m/s	velocity		6.36			9.01		9.05		8.73	7.97			6.36	9.01		
Hatz, Beatriz (USA) (2000) (T64)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
Para FINAL - 2023 Prefontaine Classic (Eugene, OR)																		
Omega Timing (2023) - diamond league race analysis																		
date	17-Sep-23	time	2.53	3.88	5.12	6.32	7.51	8.69	9.90	11.13	12.36	13.65	13.65	3 / 6				
reaction time	0.257	interval		1.35	1.24	1.20	1.19	1.18	1.21	1.23	1.23	1.29		# of strides	5.12	3.57	3.67	
wind	0.7 m/s	velocity	3.95	7.41	8.06	8.33	8.40	8.47	8.26	8.13	8.13	7.75	7.33		53.2	5.86	8.40	8.17
Hauri, Majella (SUI) (1995)																		
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																		
Semi-Final 1 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)																		
Swiss Athletics (2016) - sprint and hurdle analysis																		
date	27-Feb-16	time		4.50			7.81					7.81	7.81	1 / 6				
reaction time		interval					3.31					=PB		# of strides	4.50	3.31		
		velocity		6.67			9.06					7.68			6.67	9.06		

Hayes, Chelsea (USA) (1988)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN) <i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>																	
date	11-May-14	time	2.10	3.26	4.32	5.33	6.34	7.35	8.37	9.41	10.46	11.53	11.53	3 / 3			
reaction time		interval		1.16	1.06	1.01	1.01	1.01	1.02	1.04	1.05	1.07		# of strides	4.32	3.03	3.11
wind	-0.8 m/s	velocity	4.76	8.62	9.43	9.90	9.90	9.90	9.80	9.62	9.52	9.35	8.67	47.4	6.94	9.90	9.65
Hellberg-Jonsén, Sofia (SWE) (1989)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2010 Windsprint (Sundsvall, SWE) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>																	
date	08-Aug-10	time		4.58				7.84		10.02		12.30	12.30	/ 1			
reaction time		interval						3.26		2.18		2.28		# of strides	4.58	3.26	
wind	3.5 m/s	velocity			6.55			9.20		9.17		8.77	8.13		6.55	9.20	
Hellqvist, Matilda (SWE) (1993)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2012 Windsprint (Sundsvall, SWE) <i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>																	
date	17-Jun-12	time		4.52				7.70		9.86		12.11	12.11	3 / 4			
reaction time		interval						3.18		2.16		2.25		# of strides	4.52	3.18	
wind	0.7 m/s	velocity			6.64			9.43		9.26		8.89	8.26		6.64	9.43	
Hemida, Bassant (EGY) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 FBK Games (Hengelo, NED) <i>Omega Timing (2023) - continental tour race analysis</i>																	
date	04-Jun-23	time	2.00	3.15	4.19	5.18	6.16	7.13	8.11	9.10	10.11	11.16	11.16	5 / 2			
reaction time		interval		1.15	1.04	0.99	0.98	0.97	0.98	0.99	1.01	1.05		# of strides	4.19	2.94	2.98
wind	-0.1 m/s	velocity	5.00	8.70	9.62	10.10	10.20	10.31	10.20	10.10	9.90	9.52	8.96	52.7	7.16	10.20	10.07
Henderson, Ashley (USA) (1995)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 The Match - Europe v USA (Minsk, BLR) <i>European Athletics (2019) - race analysis</i>																	
date	09-Sep-19	time					6.48					11.53	11.53	2 / 5			
reaction time	0.138	interval										5.05		# of strides			
wind	-0.8 m/s	velocity					7.72					9.90	8.67	51.0			
Hendriks, Kiki (NED) (2000) (T62)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Para FINAL - 2023 Prefontaine Classic (Eugene, OR) <i>Omega Timing (2023) - diamond league race analysis</i>																	
date	17-Sep-23	time	2.49	3.87	5.10	6.27	7.41	8.53	9.65	10.78	11.92	13.10	13.10	6 / 3			
reaction time	0.134	interval		1.38	1.23	1.17	1.14	1.12	1.12	1.13	1.14	1.18		# of strides	5.10	3.43	3.39
wind	0.7 m/s	velocity	4.02	7.25	8.13	8.55	8.77	8.93	8.93	8.85	8.77	8.47	7.63	51.7	5.88	8.75	8.85
Henriksson, Julia (SWE) (2000)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
National FINAL - 2021 Bauhaus Galan (Stockholm, SWE) <i>Omega Timing (2021) - diamond league race analysis</i>																	
date	04-Jul-21	time		3.3		5.4		7.5		9.6		11.66	11.66	1 / 5			
reaction time	0.171	interval				2.10		2.10		2.10		2.06		# of strides			
wind	-1.3 m/s	velocity		6.06		9.52		9.52		9.52		9.71	8.58	50.5			
Henriksson, Malin (SWE) (1978)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2007 Windsprint (Sundsvall, SWE) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>																	
date	24-Jul-07	time		4.51				7.77		9.95		12.20	12.20	/ 6			
reaction time		interval						3.26		2.18		2.25		# of strides	4.51	3.26	
wind	1.0 m/s	velocity			6.65			9.20		9.17		8.89	8.20		6.65	9.20	
Henry, Desiree (GBR) (1995)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR) <i>Omega Timing (2021) - diamond league race analysis</i>																	
date	23-May-21	time		3.0		5.2		7.3		9.5		11.95	11.95	2 / 6			
reaction time	0.135	interval				2.20		2.10		2.20		2.45		# of strides			
wind	-4.2 m/s	velocity		6.67		9.09		9.52		9.09		8.16	8.37	51.2			
Hildingsson, Anna (SWE) (1993)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2010 Windsprint (Sundsvall, SWE) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>																	
date	08-Aug-10	time		4.64				7.93		10.12		12.36	12.36	/ 2			
reaction time		interval						3.29		2.19		2.24		# of strides	4.64	3.29	
wind	3.5 m/s	velocity			6.47			9.12		9.13		8.93	8.09		6.47	9.12	
Hill, D'Andre (USA) (1973)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1996 USA Olympic Trials (Atlanta, GA) <i>USATF Women's Sprint Development (1996)</i>																	
date	15-Jun-96	time	1.94		4.16		6.03				9.88	10.92	10.92	6 / 3			
reaction time		interval			2.22		1.87				3.85	1.04	PB	# of strides	4.16		
wind	1.1 m/s	velocity	5.15		9.01		10.70				10.39	9.62	9.16	49.5	7.21		
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA) <i>USATF Women's Sprint Development (1996)</i>																	
date	15-Jun-96	time	1.95		4.05		6.09				9.96	10.97	10.97	5 / 1			
reaction time		interval			2.10		2.04				3.87	1.01		# of strides	4.05		
wind	1,1 m/s	velocity	5.13		9.52		9.80				10.34	9.90	9.12	51.3	7.41		

FINAL - 1995 USATF National Championships (Sacramento, CA)*Lyle - miscellaneous coaching notes*

date	16-Jun-95	time	6.25	7.28	8.25	9.23	10.25	11.34	11.34	8 / 4
reaction time		interval		1.03	0.97	0.98	1.02	1.09		# of strides
wind	0.0 m/s	velocity	8.00	9.71	10.31	10.20	9.80	9.17	8.82	

Hirosawa, Mae (JPN) (1997)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2018 National Sports Festival (Fukui, JPN)*Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

date	06-Oct-18	time	2.08	3.33	4.48	5.60	6.70	7.79	8.90	10.01	11.14	12.28	12.28	5 / 3			
reaction time	0.146	interval		1.25	1.15	1.12	1.10	1.09	1.11	1.11	1.13	1.14		# of strides	4.48	3.31	3.35
wind	-2.8 m/s	velocity	4.81	8.00	8.70	8.93	9.09	9.17	9.01	9.01	8.85	8.77	8.14	51.3	6.70	9.06	8.96

Hjelmer, Moa (SWE) (1990)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

B FINAL - 2013 Windsprint (Sundsvall, SWE)*(2013) - www.ssg.se/windsprint/Splittider/*

date	28-Jul-13	time		4.46			7.49		9.51		11.58	11.58	3 / 1			
reaction time		interval					3.03		2.02		2.07		# of strides	4.46	3.03	
wind	2.6 m/s	velocity		6.73			9.90		9.90		9.66	8.64		6.73	9.90	

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

date	17-Jun-12	time		4.45			7.52		9.56		11.69	11.69	5 / 1			
reaction time		interval					3.07		2.04		2.13		# of strides	4.45	3.07	
wind	0.7 m/s	velocity		6.74			9.77		9.80		9.39	8.55		6.74	9.77	

B FINAL - 2010 Windsprint (Sundsvall, SWE)*(2010) - www.ssg.se/en/Windsprint/Split-times/*

date	08-Aug-10	time		4.51			7.66		9.73		11.86	11.86	/ 2			
reaction time		interval					3.15		2.07		2.13		# of strides	4.51	3.15	
wind	2.2 m/s	velocity		6.65			9.52		9.66		9.39	8.43		6.65	9.52	

Hlaváčková, Šárka (CZE) (1995)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)*Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	2.21	3.43	4.59	5.71	6.84	7.98	9.14	10.30	11.50	12.78	12.78	1 / 6			
reaction time	0.117	interval		1.22	1.16	1.12	1.13	1.14	1.16	1.16	1.20	1.28		# of strides	4.59	3.39	3.52
wind	-4.5 m/s	velocity	4.52	8.20	8.62	8.93	8.85	8.77	8.62	8.62	8.33	7.81	7.82		6.54	8.85	8.52

Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE)*Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time		3.54			5.82		8.01		10.27	12.61	12.61	3 / 3			
reaction time	0.218	interval					2.28		2.19		2.26	2.34		# of strides			
wind	-0.1 m/s	velocity		5.65			8.77		9.13		8.85	8.55	7.93				

Hobbs, Aleia (USA) (1996)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2023 London Athletics Meet (London, GBR)*Omega Timing (2023) - diamond league race analysis*

date	23-Jul-23	time	2.00	3.11	4.14	5.12	6.08	7.04	8.00	8.97	9.97	10.99	10.99	1 / 5			
reaction time	0.140	interval		1.11	1.03	0.98	0.96	0.96	0.96	0.97	1.00	1.02		# of strides	4.14	2.90	2.93
wind	1.2 m/s	velocity	5.00	9.01	9.71	10.20	10.42	10.42	10.42	10.31	10.00	9.80	9.10	50.0	7.25	10.34	10.24

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

date	30-Jun-23	time	2.02	3.15	4.17	5.16	6.15	7.13	8.12	9.13	10.16	11.20	11.20	7 / 5			
reaction time	0.173	interval		1.13	1.02	0.99	0.99	0.98	0.99	1.01	1.03	1.04		# of strides	4.17	2.96	3.03
wind	-0.8 m/s	velocity	4.95	8.85	9.80	10.10	10.10	10.20	10.10	9.90	9.71	9.62	8.93	51.0	7.19	10.14	9.90

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

date	02-Sep-22	time		3.12			5.11		7.02		8.92	10.91	10.91	4 / 4			
reaction time	0.164	interval					1.99		1.91		1.90	1.99		# of strides			
wind	0.6 m/s	velocity		6.41			10.05		10.47		10.53	10.05	9.17	50.0			

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

date	26-Aug-22	time		3.07			5.06		6.95		8.87	10.87	10.87	2 / 1			
reaction time	0.142	interval					1.99		1.89		1.92	2.00		# of strides			
wind	0.0 m/s	velocity		6.51			10.05		10.58		10.42	10.00	9.20	50.0			

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

date	10-Aug-22	time		3.12			5.08		6.96		8.86	10.81	10.81	6 / 4			
reaction time	0.161	interval					1.96		1.88		1.90	1.95	=PB	# of strides			
wind	0.4 m/s	velocity		6.41			10.20		10.64		10.53	10.26	9.25	50.0			

FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)*Omega Timing (2022) - diamond league race analysis*

date	06-Aug-22	time		3.14			5.13		7.02		8.94	10.94	10.94	6 / 2			
reaction time	0.151	interval					1.99		1.89		1.92	2.00		# of strides			
wind	0.5 m/s	velocity		6.37			10.05		10.58		10.42	10.00	9.14	50.0			

FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)*Omega Timing (2020) - diamond league race analysis*

date	17-Sep-20	time		3.2			5.2		7.2		9.1	11.12	11.12	4 / 2			
reaction time	0.139	interval					2.00		2.00		1.90	2.02		# of strides			

wind	0.2 m/s	velocity	6.25	10.00	10.00	10.53	9.90	8.99	50.7															
FINAL - 2019 Memorial van Damme (Brussels, BEL)										Omega Timing (2019) - diamond league race analysis														
date	06-Sep-19	time	3.2	5.2	7.2	9.2	11.29	11.29	2 / 6															
reaction time	0.159	interval		2.0	2.0	2.0	2.09		# of strides															
wind	-0.3 m/s	velocity	6.25	10.00	10.00	10.00	9.57	8.86	51.5															
FINAL - 2019 Meeting de Paris (Paris, FRA)										Omega Timing (2019) - diamond league race analysis														
date	24-Aug-19	time		6.2			11.16	11.16	7 / 5															
reaction time	0.186	interval					4.96		# of strides															
wind	-0.2 m/s	velocity		8.06			10.08	8.96	51.0															
Hobbs, Zoe (NZL) (1997)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Prefontaine Classic (Eugene, OR)										Omega Timing (2023) - diamond league race analysis														
date	16-Sep-23	time	2.03	3.18	4.22	5.21	6.19	7.17	8.15	9.14	10.15	11.18	11.18	1 / 9										
reaction time	0.151	interval		1.15	1.04	0.99	0.98	0.98	0.98	0.99	1.01	1.03		# of strides	4.22	2.95	2.98							
wind	0.8 m/s	velocity	4.93	8.70	9.62	10.10	10.20	10.20	10.20	10.10	9.90	9.71	8.94	50.0	7.11	10.17	10.07							
FINAL - 2023 Memorial van Damme (Brussels, BEL)										Omega Timing (2023) - diamond league race analysis														
date	08-Sep-23	time	2.02	3.14	4.17	5.16	6.13	7.10	8.09	9.08	10.10	11.14	11.14	6 / 4										
reaction time	0.149	interval		1.12	1.03	0.99	0.97	0.97	0.99	0.99	1.02	1.04		# of strides	4.17	2.93	3.00							
wind	0.0 m/s	velocity	4.95	8.93	9.71	10.10	10.31	10.31	10.10	10.10	9.80	9.62	8.98	50.5	7.19	10.24	10.00							
FINAL - 2023 Weltklasse (Zürich, SUI)										Omega Timing (2023) - diamond league race analysis														
date	31-Aug-23	time	2.03	3.16	4.19	5.18	6.15	7.12	8.10	9.10	10.11	11.14	11.14	2 / 7										
reaction time	0.160	interval		1.13	1.03	0.99	0.97	0.97	0.98	1.00	1.01	1.03		# of strides	4.19	2.93	2.99							
wind	-0.2 m/s	velocity	4.93	8.85	9.71	10.10	10.31	10.31	10.20	10.00	9.90	9.71	8.98	51.0	7.16	10.24	10.03							
FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)										Omega Timing (2023) - diamond league race analysis														
date	16-Jul-23	time	2.03	3.15	4.18	5.17	6.14	7.11	8.09	9.09	10.11	11.15	11.15	2 / 8										
reaction time	0.167	interval		1.12	1.03	0.99	0.97	0.97	0.98	1.00	1.02	1.04		# of strides	4.18	2.93	3.00							
wind	0.2 m/s	velocity	4.93	8.93	9.71	10.10	10.31	10.31	10.20	10.00	9.80	9.62	8.97	50.5	7.18	10.24	10.00							
FINAL - 2022 Commonwealth Games (Birmingham, GBR)										Longines Timing (2022) - commonwealth games race analysis														
date	03-Aug-22	time	3.1		5.1		7.1		9.1		11.19	11.19		7 / 6										
reaction time	0.149	interval			2.00		2.00		2.00		2.09			# of strides										
wind	0.4 m/s	velocity	6.45		10.00		10.00		10.00		9.57	8.94		50.5										
FINAL - 2022 Meeting de Paris (Paris, FRA)										Omega Timing (2022) - diamond league race analysis														
date	18-Jun-22	time	3.14		5.15		7.09		9.06		11.10	11.10		1 / 6										
reaction time	0.156	interval			2.01		1.94		1.97		2.04			# of strides										
wind	0.5 m/s	velocity	6.37		9.95		10.31		10.15		9.80	9.01		51.0										
Hodge, Virgil (SKN) (1983)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 3 - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - biomechanical analyses at the 12th IAAF world championships														
date	16-Aug-09	time	3.25	4.29	5.30		7.32		9.33		11.47	11.47		5 / 2										
reaction time	0.190	interval		1.04	1.01		2.02		2.01		2.14			# of strides	4.29	3.03								
wind	-0.1 m/s	velocity	6.15	9.62	9.90		9.90		9.95		9.35	8.72		6.99	9.90									
Hofmanová, Martina (CZE) (1995)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)										Feher (2014) - Final report from the U18 & U20 Czech Republic national championships														
date	28-Jun-14	time	2.18	3.40	4.53	5.61	6.70	7.80	8.91	10.02	11.15	12.35	12.35	5 / 1										
reaction time	0.157	interval		1.22	1.13	1.08	1.09	1.10	1.11	1.11	1.13	1.20		# of strides	4.53	3.27	3.35							
wind	-4.5 m/s	velocity	4.59	8.20	8.85	9.26	9.17	9.09	9.01	9.01	8.85	8.33	8.10		6.62	9.17	8.96							
Heat 3 - 2014 Czech Republic National U20 Championships (Trinec, CZE)										Feher (2014) - Final report from the U18 & U20 Czech Republic national championships														
date	28-Jun-14	time	3.45		5.70		7.91		10.11		12.37	12.37		4 / 1										
reaction time	0.182	interval			2.25		2.21		2.20		2.26			# of strides										
wind	-3.0 m/s	velocity	5.80		8.89		9.05		9.09		8.85	8.08												
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)										Feher (2013) - Final report from the men's & women's Czech Republic national championships														
date	15-Jun-13	time	3.45		5.67		7.85		10.05		12.43	12.43		7 / 6										
reaction time	0.198	interval			2.22		2.18		2.20		2.38			# of strides										
wind	-1.1 m/s	velocity	5.80		9.01		9.17		9.09		8.40	8.05												
Hofstad, Cecilie (NOR) (1992)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
D FINAL - 2009 Windsprint (Sundsvall, SWE)										(2009) - www.ssg.se/en/Windsprint/Split-times/														
date	25-Jul-09	time		4.99			8.67		10.95		13.40	13.40		1 / 3										
reaction time		interval					3.68		2.28		2.45			# of strides	4.99	3.68								
wind	0.8 m/s	velocity		6.01			8.15		8.77		8.16	7.46			6.01	8.15								
Homolová, Martina (CZE) (1996)										10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m

FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)

date	28-Jun-14	time	2.21	3.43	4.59	5.72	6.83
reaction time	0.136	interval		1.22	1.16	1.13	1.11
wind	-4.5 m/s	velocity	4.52	8.20	8.62	8.85	9.01

Feher (2014) - Final report from the U18 & U20 Czech Republic national championships

	9.06	10.19	11.33	12.55	12.55	2 / 4
# of strides	4.59	3.36	3.38			
	6.54	8.93	8.88			

Heat 3 - 2014 Czech Republic National U20 Championships (Trinec, CZE)

date	28-Jun-14	time	3.48	5.79	8.02
reaction time	0.142	interval	2.31	2.23	2.21
wind	-3.0 m/s	velocity	5.75	8.66	8.97

Feher (2014) - Final report from the U18 & U20 Czech Republic national championships

	10.23	12.50	12.50	5 / 2
# of strides				
	9.05	8.81	8.00	

Hooker, Marshevet (USA) (1984)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2011 IAAF World Championships (Daegu, KOR)

date	29-Aug-11	time	3.17	4.25	5.24	6.24
reaction time	0.164	interval	1.08	0.99	1.00	0.98
wind	-1.4 m/s	velocity	6.31	9.26	10.10	10.00

KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011

	7.22	8.21	9.17	10.20	11.33	11.33	7 / 8
# of strides	4.25	2.97	2.97				
	47.6	7.06	10.10	10.10			

FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)

date	14-Sep-08	time	3.20	4.22	5.21	6.18	7.16	8.11	9.08	11.06	11.06	7 / 3
reaction time	0.152	interval	1.02	0.99	0.97	0.98	0.95	0.97	1.98	# of strides	4.22	2.94
wind	0.3 m/s	velocity	6.25	9.80	10.10	10.31	10.20	10.53	10.31	10.10	9.04	47.4

*Graubner (2009) - http://www.fgs.uni-halle.de***FINAL - 2008 USA Olympic Trials (Eugene, OR)**

date	28-Jun-08	time	2.14	3.24	4.21	5.19	6.12	7.07	8.00	8.96	9.90	10.93	10.93	5 / 4
reaction time		interval	1.10	0.97	0.98	0.93	0.95	0.93	0.96	0.94	1.03	PB	# of strides	4.21
wind	1.0 m/s	velocity	4.67	9.09	10.31	10.20	10.75	10.53	10.75	10.42	10.64	9.71	9.15	47.2

*USATF Women's Sprint Development with HPC (2008)***Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**

date	28-Jun-08	time	2.12	3.22	4.27	5.26	6.16	7.07	7.98	8.96	9.93	10.89	10.89	4 / 1
reaction time		interval	1.10	1.05	0.99	0.90	0.91	0.91	0.98	0.97	0.96	# of strides	4.27	2.80
wind	3.2 m/s	velocity	4.72	9.09	9.52	10.10	11.11	10.99	10.99	10.20	10.31	10.42	9.18	47.2

*USATF Women's Sprint Development with HPC (2008)***Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**

date	27-Jun-08	time	2.10	3.20	4.20	5.14	6.06	6.99	7.92	8.84	9.75	10.76	10.76	4 / 1
reaction time		interval	1.10	1.00	0.94	0.92	0.93	0.93	0.92	0.91	1.01	# of strides	4.20	2.79
wind	3.4 m/s	velocity	4.76	9.09	10.00	10.64	10.87	10.75	10.75	10.87	10.99	9.90	9.29	7.14

*USATF Women's Sprint Development with HPC (2008)***Heat 5 - 2008 USA Olympic Trials (Eugene, OR)**

date	27-Jun-08	time	2.11	3.22	4.22	5.17	6.13	7.07	8.03	8.99	9.93	10.94	10.94	2 / 1
reaction time		interval	1.11	1.00	0.95	0.96	0.94	0.96	0.96	0.94	1.01	# of strides	4.22	2.85
wind	2.2 m/s	velocity	4.74	9.01	10.00	10.53	10.42	10.64	10.42	10.42	10.64	9.90	9.14	7.11

*USATF Women's Sprint Development with HPC (2008)***FINAL - 2005 USATF National Championships (Carson, CA)**

date	25-Jun-05	time	2.03	3.25	4.29	5.31	6.29	7.31	8.26	9.28	10.29	11.33	11.33	8 / 5
reaction time		interval	1.22	1.04	1.02	0.98	1.02	0.95	1.02	1.01	1.04	# of strides	4.29	3.02
wind	-1.6 m/s	velocity	4.93	8.20	9.62	9.80	10.20	9.80	10.53	9.80	9.90	9.62	8.83	47.7

*USATF Women's Sprint Development (2005)***Semi-Final 2 - 2005 USATF National Championships (Carson, CA)**

date	25-Jun-05	time	2.07	3.20	4.24	5.19	6.19	7.16	8.12	9.11	10.07	11.11	11.11	7 / 3
reaction time		interval	1.13	1.04	0.95	1.00	0.97	0.96	0.99	0.96	1.04	# of strides	4.24	2.92
wind	2.1 m/s	velocity	4.83	8.85	9.62	10.53	10.00	10.31	10.42	10.10	10.42	9.62	9.00	7.08

*USATF Women's Sprint Development (2005)***Heat 2 - 2005 USATF National Championships (Carson, CA)**

date	24-Jun-05	time	2.05	3.26	4.29	5.30	6.27	7.27	8.23	9.27	10.28	11.32	11.32	8 / 1
reaction time		interval	1.21	1.03	1.01	0.97	1.00	0.96	1.04	1.01	1.04	# of strides	4.29	2.98
wind	-0.7 m/s	velocity	4.88	8.26	9.71	9.90	10.31	10.00	10.42	9.62	9.90	9.62	8.83	6.99

*USATF Women's Sprint Development (2005)***Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)**

date	10-Jul-04	time	2.15	3.30	4.34	5.36	6.34	7.34	8.31	9.31	10.36	11.38	11.38	8 / 4
reaction time		interval	1.15	1.04	1.02	0.98	1.00	0.97	1.00	1.05	1.02	# of strides	4.34	3.00
wind	-0.1 m/s	velocity	4.65	8.70	9.62	9.80	10.20	10.00	10.31	10.00	9.52	9.80	8.79	47.7

*USATF Women's Sprint Development (2004)***Quarter-Final 4 - 2004 USA Olympic Trials (Sacramento, CA)**

date	09-Jul-04	time	2.15	3.30	4.30	5.34	6.31	7.31	8.29	9.33	10.36	11.41	11.41	3 / 3
reaction time		interval	1.15	1.00	1.04	0.97	1.00	0.98	1.04	1.03	1.05	# of strides	4.30	3.01
wind	-0.8 m/s	velocity	4.65	8.70	10.00	9.62	10.31	10.00	10.20	9.62	9.71	9.52	8.76	48.0

*USATF Women's Sprint Development (2004)***Horn, Carina (RSA) (1989)**

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

B FINAL - 2012 Windsprint (Sundsvall, SWE)

date	17-Jun-12	time	4.51
reaction time		interval	
wind	0.7 m/s	velocity	6.65

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

Hřivňová, Pavla (CZE) (1986)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)								<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>									
date	15-Jun-13	time	2.18	3.33	4.43	5.44	6.48	7.53	8.59	9.68	10.77	11.88	11.88	2 / 6			
reaction time	0.146	interval		1.15	1.10	1.01	1.04	1.05	1.06	1.09	1.09	1.11		# of strides	4.43	3.10	3.24
wind	-0.2 m/s	velocity	4.59	8.70	9.09	9.90	9.62	9.52	9.43	9.17	9.17	9.01	8.42		6.77	9.68	9.26

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

								<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>									
date	15-Jun-13	time		3.36		5.51		7.59		9.73		11.95	11.95	5 / 3			
reaction time	0.172	interval				2.15		2.08		2.14		2.22		# of strides			
wind	-1.3 m/s	velocity		5.95		9.30		9.62		9.35		9.01	8.37				

FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)

								<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>									
date	25-Feb-12	time	2.12	3.37	4.44	5.50	6.55	7.63					7.63	7 / 4			
reaction time	0.137	interval		1.25	1.07	1.06	1.05	1.08						# of strides	4.44	3.19	
		velocity	4.72	8.00	9.35	9.43	9.52	9.26					7.86		6.76	9.40	

Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

								<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>									
date	25-Feb-12	time	2.13	3.34	4.43	5.50	6.54	7.61					7.61	3 / 3			
reaction time	0.146	interval		1.21	1.09	1.07	1.04	1.07						# of strides	4.43	3.18	
		velocity	4.69	8.26	9.17	9.35	9.62	9.35					7.88		6.77	9.43	

Heat 3 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

								<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>									
date	25-Feb-12	time	2.14	3.39	4.51	5.58	6.65	7.71					7.71	3 / 2			
reaction time	0.141	interval		1.25	1.12	1.07	1.07	1.06						# of strides	4.51	3.20	
		velocity	4.67	8.00	8.93	9.35	9.35	9.43					7.78		6.65	9.38	

Huang Guifen (CHN) (1997)

								<i>Omega Timing (2023) - diamond league race analysis</i>									
National FINAL - 2023 Xiamen Diamond League (Xiamen, CHN)																	
date	02-Sep-23	time	2.05	3.22	4.29	5.32	6.34	7.36	8.38	9.42	10.48	11.57	11.57	3 / 5			
reaction time	0.147	interval		1.17	1.07	1.03	1.02	1.02	1.02	1.04	1.06	1.09		# of strides	4.29	3.07	3.12
wind	0.4 m/s	velocity	4.88	8.55	9.35	9.71	9.80	9.80	9.80	9.62	9.43	9.17	8.64		49.5	6.99	9.77

FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)

								<i>Jiang (2019) - data analysis of women's sprint finals in the world championships trials</i>									
date	02-Aug-19	time	2.10	3.27	4.35	5.40	6.42	7.44	8.46	9.50	10.56	11.65	11.65	7 / 5			
reaction time		interval		1.17	1.08	1.05	1.02	1.02	1.02	1.04	1.06	1.09		# of strides	4.35	3.09	3.12
wind	-1.2 m/s	velocity	4.76	8.55	9.26	9.52	9.80	9.80	9.80	9.62	9.43	9.17	8.58		6.90	9.71	9.62

Huang Lin (CHN) (1999)

								<i>Omega Timing (2023) - diamond league race analysis</i>									
National FINAL - 2023 Xiamen Diamond League (Xiamen, CHN)																	
date	02-Sep-23	time	2.15	3.34	4.42	5.45	6.50	7.53	8.58	9.65	10.75	11.91	11.91	2 / 7			
reaction time	0.170	interval		1.19	1.08	1.03	1.05	1.03	1.05	1.07	1.10	1.16		# of strides	4.42	3.11	3.22
wind	0.4 m/s	velocity	4.65	8.40	9.26	9.71	9.52	9.71	9.52	9.35	9.09	8.62	8.40		53.0	6.79	9.65

Huemer, Ina (AUT) (1998)

								<i>Omega Timing (2021) - diamond league race analysis</i>									
B FINAL - Heat 2 - 2021 Athletissima (Lausanne, SUI)																	
date	26-Aug-21	time		3.4		5.5		7.4		9.4		11.47	11.47	5 / 2			
reaction time	0.154	interval				2.10		1.90		2.00		2.07		# of strides			
wind	1.2 m/s	velocity		5.88		9.52		10.53		10.00		9.66	8.72				

Hultgren, Matilda (SWE) (1989)

								<i>(2011) - www.ssg.se/en/Windsprint/Split-times/</i>									
C FINAL - 2011 Windsprint (Sundsvall, SWE)																	
date	31-Jul-11	time			4.55			7.83		10.08		12.40	12.40	6 / 3			
reaction time		interval						3.28		2.25		2.32		# of strides	4.55	3.28	
wind	1.2 m/s	velocity			6.59			9.15		8.89		8.62	8.06		6.59	9.15	

B FINAL - 2010 Windsprint (Sundsvall, SWE)

								<i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>									
date	08-Aug-10	time			4.52			7.69		9.82		12.05	12.05	1 / 5			
reaction time		interval						3.17		2.13		2.23		# of strides	4.52	3.17	
wind	2.2 m/s	velocity			6.64			9.46		9.39		8.97	8.30		6.64	9.46	

Humair, Aurélie (SUI) (1989)

								<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>									
FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)																	
date	27-Feb-16	time			4.45			7.71					7.71	1 / 8			
reaction time		interval						3.26						# of strides	4.45	3.26	
		velocity			6.74			9.20					7.78		35.2	6.74	9.20

Semi-Final 1 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)

								<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>									
date	27-Feb-16	time			4.43			7.67					7.67	1 / 4			
reaction time		interval						3.24						# of strides	4.43	3.24	
		velocity			6.77			9.26					7.82		6.77	9.26	

Humair, Fanette (SUI) (1991)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)

Swiss Athletics (2016) - sprint and hurdle analysis

date	27-Feb-16	time	4.53	7.78	7.78	/ 6													
reaction time		interval		3.25			# of strides	4.53	3.25										
		velocity	6.62	9.23		7.71		6.62	9.23										

Humpolíková, Pavla (CZE) (1985)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)

Feher (2013) - Final report from the men's & women's Czech Republic national championships

date	15-Jun-13	time	3.40	5.59	7.74	9.94	12.18	12.18	6 / 4										
reaction time	0.176	interval		2.19	2.15	2.20	2.24		# of strides										
wind	-0.6 m/s	velocity	5.88	9.13	9.30	9.09	8.93	8.21											

Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

Feher (2012) - Czech Republic indoor national championships - women's 60m

date	25-Feb-12	time	2.21	3.44	4.54	5.61	6.69	7.78	7.78	7 / 6									
reaction time	0.177	interval		1.23	1.10	1.07	1.08	1.09		# of strides	4.54	3.24							
		velocity	4.52	8.13	9.09	9.35	9.26	9.17	7.71		6.61	9.26							

Heat 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

Feher (2012) - Czech Republic indoor national championships - women's 60m

date	25-Feb-12	time	2.17	3.37	4.52	5.62	6.71	7.80	7.80	6 / 4									
reaction time	0.145	interval		1.20	1.15	1.10	1.09	1.09		# of strides	4.52	3.28							
		velocity	4.61	8.33	8.70	9.09	9.17	9.17	7.69		6.64	9.15							

Hutchinson, Ayanna (TTO) (1978)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

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

date	17-Aug-09	time	3.28	4.35	5.38	7.44	9.46	11.58	11.58	1 / 8									
reaction time	0.169	interval		1.07	1.03	2.06	2.02	2.12		# of strides	4.35	3.09							
wind	-0.1 m/s	velocity	6.10	9.35	9.71	9.71	9.90	9.43	8.64		6.90	9.71							

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

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

date	16-Aug-09	time	3.21	4.26	5.27	7.29	9.29	11.40	11.40	1 / 6									
reaction time	0.160	interval		1.05	1.01	2.02	2.00	2.11		# of strides	4.26	3.03							
wind	0.8 m/s	velocity	6.23	9.52	9.90	9.90	10.00	9.48	8.77		50.0	7.04	9.90						

Heat 5 - 2009 IAAF World Championships (Berlin, GER)

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

date	16-Aug-09	time	3.26	4.32	5.34	7.39	9.43	11.54	11.54	8 / 4									
reaction time	0.176	interval		1.06	1.02	2.05	2.04	2.11		# of strides	4.32	3.07							
wind	-0.7 m/s	velocity	6.13	9.43	9.80	9.76	9.80	9.48	8.67		6.94	9.77							

Hyche, Holli (USA) (1971)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)

USATF Women's Sprint Development (1996)

date	15-Jun-96	time	2.07	4.24	6.20	10.29	11.41	11.41	2 / 8										
reaction time		interval		2.17	1.96	4.09	1.12		# of strides	4.24									
wind	0.2 m/s	velocity	4.83	9.22	10.20	9.78	8.93	8.76	48.8	7.08									

Ichikawa, Kana (JPN) (1991)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	19-May-19	time	2.07	3.27	4.38	5.46	6.52	7.58	8.65	9.73	10.82	11.94	11.94	3 / 6					
reaction time	0.157	interval		1.20	1.11	1.08	1.06	1.06	1.07	1.08	1.09	1.12		# of strides	4.38	3.20	3.24		
wind	-2.2 m/s	velocity	4.83	8.33	9.01	9.26	9.43	9.43	9.35	9.26	9.17	8.93	8.38	51.0	6.85	9.38	9.26		

FINAL - 2019 Mikio Oda Memorial (Hiroshima, JPN)

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	28-Apr-19	time	2.10	3.30	4.40	5.45	6.49	7.52	8.56	9.60	10.66	11.74	11.74	7 / 4					
reaction time		interval		1.20	1.10	1.05	1.04	1.03	1.04	1.04	1.06	1.08		# of strides	4.40	3.12	3.14		
wind	1.9 m/s	velocity	4.76	8.33	9.09	9.52	9.62	9.71	9.62	9.62	9.43	9.26	8.52	50.0	6.82	9.62	9.55		

FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	23-Sep-18	time	2.04	3.23	4.32	5.38	6.41	7.45	8.49	9.55	10.62	11.72	11.72	9 / 2					
reaction time	0.124	interval		1.19	1.09	1.06	1.03	1.04	1.04	1.06	1.07	1.10		# of strides	4.32	3.13	3.17		
wind	-0.1 m/s	velocity	4.90	8.40	9.17	9.43	9.71	9.62	9.62	9.43	9.35	9.09	8.53	49.6	6.94	9.58	9.46		

FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	23-Jun-18	time	2.05	3.24	4.32	5.36	6.39	7.42	8.45	9.50	10.57	11.67	11.67	4 / 3					
reaction time	0.152	interval		1.19	1.08	1.04	1.03	1.03	1.03	1.05	1.07	1.10		# of strides	4.32	3.10	3.15		
wind	0.8 m/s	velocity	4.88	8.40	9.26	9.62	9.71	9.71	9.71	9.52	9.35	9.09	8.57	50.1	6.94	9.68	9.52		

FINAL - 2018 Fuse Sprint (Tottori, JPN)

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	03-Jun-18	time	2.02	3.19	4.26	5.28	6.29	7.30	8.31	9.33	10.37	11.43	11.43	8 / 1					
reaction time		interval		1.17	1.07	1.02	1.01	1.01	1.01	1.02	1.04	1.06		# of strides	4.26	3.04	3.07		
wind	1.8 m/s	velocity	4.95	8.55	9.35	9.80	9.90	9.90	9.90	9.80	9.62	9.43	8.75	49.8	7.04	9.87	9.77		

FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	20-May-18	time	2.05	3.23	4.31	5.34	6.36	7.37	8.39	9.43	10.48	11.56	11.56	5 / 6					
reaction time	0.147	interval		1.18	1.08	1.03	1.02	1.01	1.02	1.04	1.05	1.08		# of strides	4.31	3.06	3.11		

wind	2.3 m/s	velocity	4.88	8.47	9.26	9.71	9.80	9.90	9.80	9.62	9.52	9.26	8.65	50.6	6.96	9.80	9.65
FINAL - 2017 Fuse Sprint (Fuse, JPN) <i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>																	
date	04-Jun-17	time	2.02	3.19	4.25	5.29	6.30	7.30	8.30	9.31	10.33	11.38	11.38	/ 1			
reaction time		interval		1.17	1.06	1.04	1.01	1.00	1.00	1.01	1.02	1.05		# of strides	4.25	3.05	3.03
wind	2.1 m/s	velocity	4.95	8.55	9.43	9.62	9.90	10.00	10.00	9.90	9.80	9.52	8.79	49.9	7.06	9.84	9.90
Heat 3 - 2015 Japanese National Championships (Niigata, JPN) <i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	27-Jun-15	time	2.10	3.27	4.35	5.39	6.43	7.48	8.53	9.60	10.70	11.82	11.82	5 / 2			
reaction time	0.147	interval		1.17	1.08	1.04	1.04	1.05	1.05	1.07	1.10	1.12		# of strides	4.35	3.13	3.22
wind	-0.5 m/s	velocity	4.76	8.55	9.26	9.62	9.62	9.52	9.52	9.35	9.09	8.93	8.46	50.0	6.90	9.58	9.32
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN) <i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	19-Apr-15	time	2.11	3.33	4.41	5.48	6.53	7.58	8.63	9.69	10.75	11.85	11.85	4 / 4			
reaction time		interval		1.22	1.08	1.07	1.05	1.05	1.05	1.06	1.06	1.10		# of strides	4.41	3.17	3.17
wind	-0.2 m/s	velocity	4.74	8.20	9.26	9.35	9.52	9.52	9.52	9.43	9.43	9.09	8.44	50.2	6.80	9.46	9.46
Heat 3 - 2012 Mikio Oda Memorial (Hiroshima, JPN) <i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>																	
date	29-Apr-12	time	2.06	3.22	4.28	5.31	6.32	7.33	8.34	9.37	10.40	11.45	11.45	5 / 1			
reaction time		interval		1.16	1.06	1.03	1.01	1.01	1.01	1.03	1.03	1.05		# of strides	4.28	3.05	3.07
wind	1.6 m/s	velocity	4.85	8.62	9.43	9.71	9.90	9.90	9.90	9.71	9.71	9.52	8.73	49.7	7.01	9.84	9.77
Heat 3 - 2011 Japanese National Championships (Kumagaya, JPN) <i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>																	
date	10-Jun-11	time	2.07	3.24	4.31	5.36	6.37	7.40	8.42	9.44	10.48	11.55	11.55	/ 1			
reaction time		interval		1.17	1.07	1.05	1.01	1.03	1.02	1.02	1.04	1.07		# of strides	4.31	3.09	3.08
wind	0.6 m/s	velocity	4.83	8.55	9.35	9.52	9.90	9.71	9.80	9.80	9.62	9.35	8.66	49.4	6.96	9.71	9.74
FINAL - 2011 Miko Oda Memorial (Hiroshima, JPN) <i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>																	
date	29-Apr-11	time	2.07	3.23	4.27	5.29	6.28	7.28	8.26	9.26	10.26	11.28	11.28	4 / 2			
reaction time		interval		1.16	1.04	1.02	0.99	1.00	0.98	1.00	1.00	1.02		# of strides	4.27	3.01	2.98
wind	2.6 m/s	velocity	4.83	8.62	9.62	9.80	10.10	10.00	10.20	10.00	10.00	9.80	8.87	48.7	7.03	9.97	10.07
Idoabigeiru, Fuka (JPN) (2001) <i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																	
date	04-Oct-19	time			4.48		6.68					12.20	12.20	2 / 8			
reaction time	0.163	interval					2.20					5.52		# of strides	4.48		
wind	-1.5 m/s	velocity			6.70		2.99					9.06	8.20	51.0	6.70		
Ignatova, Natalya (RUS) (1973) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2001 European Cup (Bremen, GER)																	
date	23-Jun-01	time		3.38	4.43	5.44		7.44		9.49		11.65	11.65	/ 4			
reaction time	0.307	interval			1.05	1.01		2.00		2.05		2.16		# of strides	4.43	3.01	
wind	1.8 m/s	velocity		5.92	9.52	9.90		10.00		9.76		9.26	8.58	6.77	9.97		
Iheagwam, Tina (NGR) (1968) <i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)																	
date	17-Jul-86	time	2.00	3.12	4.18	5.19	6.21	7.21	8.22	9.33	10.26	11.34	11.34	/ 1			
reaction time	0.187	interval		1.12	1.06	1.01	1.02	1.00	1.01	1.11	0.93	1.08	CR	# of strides	4.18	3.03	3.05
wind	0.9 m/s	velocity	5.00	8.93	9.43	9.90	9.80	10.00	9.90	9.01	10.75	9.26	8.82	7.18	9.90	9.84	
Iki, Aiko (JPN) (2000) <i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Japanese National Championships (Niigata, JPN)																	
date	02-Oct-20	time	2.09	3.29	4.39	5.45	6.48	7.52	8.56	9.61	10.68	11.77	11.77	4 / 5			
reaction time	0.171	interval		1.20	1.10	1.06	1.03	1.04	1.04	1.05	1.07	1.09		# of strides	4.39	3.13	3.16
wind	0.5 m/s	velocity	4.78	8.33	9.09	9.43	9.71	9.62	9.62	9.52	9.35	9.17	8.50	6.83	9.58	9.49	
FINAL - 2020 Athlete Night Games (Fukui, JPN) <i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>																	
date	29-Aug-20	time	2.07	3.28	4.37	5.42	6.45	7.47	8.49	9.52	10.56	11.62	11.62	/ 2			
reaction time		interval		1.21	1.09	1.05	1.03	1.02	1.02	1.03	1.04	1.06	PB	# of strides	4.37	3.10	3.09
wind	1.1 m/s	velocity	4.83	8.26	9.17	9.52	9.71	9.80	9.80	9.71	9.62	9.43	8.61	6.86	9.68	9.71	
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN) <i>Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics data</i>																	
date	03-Aug-18	time	2.08	3.30	4.41	5.48	6.53	7.59	8.65	9.71	10.79	11.89	11.89	/ 6			
reaction time		interval		1.22	1.11	1.07	1.05	1.06	1.06	1.06	1.08	1.10		# of strides	4.41	3.18	3.20
wind	0.0 m/s	velocity	4.81	8.20	9.01	9.35	9.52	9.43	9.43	9.43	9.26	9.09	8.41	6.80	9.43	9.38	
Iki, Ichiko (JPN) (1997) <i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)																	
date	19-Sep-20	time	2.07	3.28	4.40	5.47	6.54	7.61	8.68	9.76	10.86	11.98	11.98	/ 2			
reaction time		interval		1.21	1.12	1.07	1.07	1.07	1.07	1.08	1.10	1.12		# of strides	4.40	3.21	3.25
wind	-0.7 m/s	velocity	4.83	8.26	8.93	9.35	9.35	9.35	9.35	9.26	9.09	8.93	8.35	6.82	9.35	9.23	

FINAL - 2020 Athlete Night Games (Fukui, JPN)

date	29-Aug-20	time	2.04	3.23	4.33	5.38	6.42	7.46	8.51	9.57	10.66	11.77	11.77
reaction time		interval		1.19	1.10	1.05	1.04	1.04	1.05	1.06	1.09	1.11	
wind	1.1 m/s	velocity	4.90	8.40	9.09	9.52	9.62	9.62	9.52	9.43	9.17	9.01	8.50

*Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions***FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)**

date	19-May-19	time	2.08	3.30	4.42	5.50	6.58	7.66	8.75	9.85	10.97	12.12	12.12
reaction time	0.174	interval		1.22	1.12	1.08	1.08	1.08	1.09	1.10	1.12	1.15	
wind	-2.2 m/s	velocity	4.81	8.20	8.93	9.26	9.26	9.26	9.17	9.09	8.93	8.70	8.25

*Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan***Heat 1 - 2017 Japanese National Championships (Osaka, JPN)**

date	23-Jun-17	time	2.10	3.28	4.35	5.41	6.44	7.48	8.52	9.58	10.67	11.77	11.77	
reaction time	0.174	interval		1.18	1.07	1.06	1.03	1.04	1.04	1.06	1.09	1.10		
wind	0.2 m/s	velocity	4.76	8.47	9.35	9.43	9.71	9.62	9.62	9.43	9.17	9.09	8.50	

*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season***Imai, Saori (JPN) (1990)**

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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Heat 1 - 2017 Japanese National Championships (Osaka, JPN)

date	23-Jun-17	time	2.09	3.27	4.35	5.39	6.42	7.46	8.50	9.55	10.62	11.71	11.71
reaction time	0.146	interval		1.18	1.08	1.04	1.03	1.04	1.04	1.05	1.07	1.09	
wind	0.2 m/s	velocity	4.78	8.47	9.26	9.62	9.71	9.62	9.62	9.52	9.35	9.17	8.54

*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season***Heat 2 - 2012 Mikio Oda Memorial (Hiroshima, JPN)**

date	29-Apr-12	time	2.09	3.26	4.33	5.36	6.39	7.42	8.46	9.51	10.58	11.69	11.69
reaction time		interval		1.17	1.07	1.03	1.03	1.03	1.04	1.05	1.07	1.11	
wind	1.3 m/s	velocity	4.78	8.55	9.35	9.71	9.71	9.71	9.62	9.52	9.35	9.01	8.55

*Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013***Impens, Ine (BEL) (2007)**

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)

date	08-Sep-23	time	2.13	3.34	4.46	5.55	6.63	7.71	8.81	9.92	11.06	12.23	12.23	
reaction time	0.129	interval		1.21	1.12	1.09	1.08	1.10	1.11	1.14	1.17		PB	
wind	0.4 m/s	velocity	4.69	8.26	8.93	9.17	9.26	9.26	9.09	9.01	8.77	8.55		8.18

*Omega Timing (2023) - diamond league race analysis***Inoussa, Farydah (SWE) (1994)**

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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D FINAL - 2013 Windsprint (Sundsvall, SWE)

date	28-Jul-13	time	4.60	7.84	10.04	12.36	12.36
reaction time		interval		3.24	2.20	2.32	
wind	2.7 m/s	velocity	6.52	9.26	9.09	8.62	8.09

*(2013) - www.ssg.se/windsprint/Splittider/***Isaksen, Iren Vevatne (NOR) (1985)**

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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C FINAL - 2012 Windsprint (Sundsvall, SWE)

2012 Whitefish (Columbia, CT)										(2012) 1000				
date	17-Jun-12	time	4.65	7.99	10.23	12.54	12.54							
reaction time		interval		3.34	2.24	2.31								
wind	0.6 m/s	velocity	6.45	8.98	8.93	8.66	7.97							

*(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx***B FINAL - 2011 Windsprint (Sundsvall, SWE)**

date	31-Jul-11	time	4.53	7.69	9.79	11.98	11.98
reaction time		interval		3.16	2.10	2.19	
wind	3.4 m/s	velocity	6.62	9.49	9.52	9.13	8.35

*(2011) - www.ssg.se/en/Windsprint/Split-times/***B FINAL - 2009 Windsprint (Sundsvall, SWE)**

25-Jul-09 WindSpeed (calculated, SWL)														
date	25-Jul-09	time	4.70	8.03	10.23	12.54	12.54							
reaction time		interval		3.33	2.20	2.31								
wind	2.5 m/s	velocity	6.38	9.01	9.09	8.66	7.97							

*(2009) - www.ssg.se/en/Windsprint/Split-times/***Ishida, Akane (JPN) (1992)**

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 2009 Japanese National High School Championships (Nara, JPN)

2009 European Nations' high school Championships (Nations' Cup)										2009 32nd high school championships							
date	30-Jul-09		time			4.28			5.32	6.35	7.40	8.47	9.53		11.73	11.73	
reaction time			interval						1.04	1.03	1.05	1.07	1.06		2.20	PB	
wind	1.6 m/s	velocity				7.01			9.62	9.71	9.52	9.35	9.43		9.09	8.53	

*Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics***Ishido, Hina (JPN) (2002)**

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 2020 Japanese High School National Championships (Hiroshima, JPN)

date	24-Oct-20	time	2.07	3.28	4.38	5.43	6.46	7.49	8.53	9.59	10.68	11.79	11.79
reaction time	0.143	interval		1.21	1.10	1.05	1.03	1.03	1.04	1.06	1.09	1.11	
wind	2.0 m/s	velocity	4.83	8.26	9.09	9.52	9.71	9.71	9.62	9.43	9.17	9.01	8.48

*Kobayashi (2020) - national high school and U20 national championships***FINAL - 2020 Japanese National Championships (Niigata, JPN)**

date	02-Oct-20	time	2.05	3.26	4.36	5.42	6.46	7.49	8.54	9.60	10.69	11.81	11.81	
reaction time	0.141	interval		1.21	1.10	1.06	1.04	1.03	1.05	1.06	1.09	1.12		
wind	0.5 m/s	velocity	4.88	8.26	9.09	9.43	9.62	9.71	9.52	9.43	9.17	8.93	8.47	

*Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions***FINAL - 2020 World Athletics Trials (Fuji, JPN)***Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions*

date	06-Sep-20	time	2.01	3.21	4.30	5.35	6.38	7.41	8.44	9.49	10.55	11.65	11.65	/ 1			
reaction time		interval		1.20	1.09	1.05	1.03	1.03	1.03	1.05	1.06	1.10		# of strides	4.30	3.11	3.14
wind	1.4 m/s	velocity	4.98	8.33	9.17	9.52	9.71	9.71	9.71	9.52	9.43	9.09	8.58		6.98	9.65	9.55
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)																	
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																	
date	23-Aug-20	time	2.02	3.22	4.32	5.38	6.43	7.48	8.54	9.62	10.72	11.86	11.86	8 / 3			
reaction time	0.125	interval		1.20	1.10	1.06	1.05	1.05	1.06	1.08	1.10	1.14		# of strides	4.32	3.16	3.24
wind	-0.9 m/s	velocity	4.95	8.33	9.09	9.43	9.52	9.52	9.43	9.26	9.09	8.77	8.43		6.94	9.49	9.26
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																	
Enomoto (2019) - research on athlete performance and technique- 2019 data book																	
date	04-Oct-19	time			4.39		6.54					12.03	12.03	8 / 3			
reaction time	0.150	interval					2.15					5.49		# of strides	4.39		
wind	-1.5 m/s	velocity			6.83		3.06					9.11	8.31	53.0	6.83		
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)																	
Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data																	
date	05-Aug-19	time	2.02	3.18	4.25	5.29	6.31	7.33	8.36	9.41	10.47	11.56	11.56	3 / 2			
reaction time		interval		1.16	1.07	1.04	1.02	1.02	1.03	1.05	1.06	1.09	PB	# of strides	4.25	3.08	3.14
wind	-0.1 m/s	velocity	4.95	8.62	9.35	9.62	9.80	9.80	9.71	9.52	9.43	9.17	8.65	52.2	7.06	9.74	9.55
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)																	
Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics data																	
date	03-Aug-18	time	2.08	3.28	4.38	5.44	6.50	7.55	8.62	9.70	10.81	11.93	11.93	/ 8			
reaction time		interval		1.20	1.10	1.06	1.06	1.05	1.07	1.08	1.11	1.12		# of strides	4.38	3.17	3.26
wind	0.0 m/s	velocity	4.81	8.33	9.09	9.43	9.43	9.52	9.35	9.26	9.01	8.93	8.38		6.85	9.46	9.20
Ishikawa, Yu (JPN) (2002)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Japanese High School National Championships (Hiroshima, JPN)																	
Kobayashi (2020) - national high school and U20 national championships																	
date	24-Oct-20	time	2.06	3.24	4.31	5.34	6.35	7.37	8.39	9.43	10.48	11.56	11.56	6 / 1			
reaction time	0.163	interval		1.18	1.07	1.03	1.01	1.02	1.02	1.04	1.05	1.08		# of strides	4.31	3.06	3.11
wind	2.0 m/s	velocity	4.85	8.47	9.35	9.71	9.90	9.80	9.80	9.62	9.52	9.26	8.65	51.0	6.96	9.80	9.65
FINAL - 2020 Japanese National Championships (Niigata, JPN)																	
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																	
date	02-Oct-20	time	2.08	3.26	4.33	5.37	6.40	7.43	8.46	9.51	10.57	11.66	11.66	6 / 3			
reaction time	0.158	interval		1.18	1.07	1.04	1.03	1.03	1.03	1.05	1.06	1.09	PB	# of strides	4.33	3.10	3.14
wind	0.5 m/s	velocity	4.81	8.47	9.35	9.62	9.71	9.71	9.71	9.52	9.43	9.17	8.58		6.93	9.68	9.55
Ito, Aya (JPN) (1992)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)																	
Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics																	
date	30-Jul-10	time	2.13	3.37		5.62	6.73	7.87	8.99	10.14	11.27	12.48	12.48	8 / 6			
reaction time		interval		1.24		2.25	1.11	1.14	1.12	1.15	1.13	1.21		# of strides			3.37
wind	-3.2 m/s	velocity	4.69	8.06		8.89	9.01	8.77	8.93	8.70	8.85	8.26	8.01				8.90
Ito, Mizuki (JPN) (1994)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)																	
Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics																	
date	30-Jul-10	time	2.12	3.38		5.63	6.75	7.88	9.03	10.23	11.36	12.59	12.59	1 / 7			
reaction time		interval		1.26		2.25	1.12	1.13	1.15	1.20	1.13	1.23		# of strides			3.40
wind	-3.2 m/s	velocity	4.72	7.94		8.89	8.93	8.85	8.70	8.33	8.85	8.13	7.94				8.82
Ito, Yuna (JPN) (1998)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)																	
Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data																	
date	30-Jul-16	time		3.21	4.38	5.45	6.49	7.57	8.64	9.72		11.98	11.98	/ 2			
reaction time	0.166	interval			1.17	1.07	1.04	1.08	1.07	1.08		2.26		# of strides	4.38	3.19	
wind	1.6 m/s	velocity		6.23	8.55	9.35	9.62	9.26	9.35	9.26		8.85	8.35		6.85	9.40	
Ito, Yuri (JPN) (1989)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2007 Japanese National High School Championships (Saga, JPN)																	
Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics data																	
date	03-Aug-07	time		3.34	4.45	5.55	6.64	7.74	8.86	9.98	11.12	12.32	12.32	7 / 8			
reaction time		interval			1.11	1.10	1.09	1.10	1.12	1.12	1.14	1.20		# of strides	4.45	3.29	3.38
wind	1.3 m/s	velocity		5.99	9.01	9.09	9.17	9.09	8.93	8.93	8.77	8.33	8.12		6.74	9.12	8.88
Ivery, Lakadron (USA) (1983)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 2 - 2005 USATF National Championships (Carson, CA)																	
USATF Women's Sprint Development (2005)																	
date	25-Jun-05	time	2.15	3.29	4.35	5.37	6.39	7.41	8.41	9.44	10.48	11.55	11.55	3 / 9			
reaction time		interval		1.14	1.06	1.02	1.02	1.02	1.00	1.03	1.04	1.07		# of strides	4.35	3.06	3.07
wind	2.1 m/s	velocity	4.65	8.77	9.43	9.80	9.80	9.80	10.00	9.71	9.62	9.35	8.66		6.90	9.80	9.77
Heat 2 - 2005 USATF National Championships (Carson, CA)																	
USATF Women's Sprint Development (2005)																	
date	24-Jun-05	time	2.10	3.25	4.32	5.34	6.37	7.39	8.41	9.50	10.53	11.64	11.64	3 / 4			
reaction time		interval		1.15	1.07	1.02	1.03	1.02	1.02	1.09	1.03	1.11		# of strides	4.32	3.07	3.14
wind	-0.7 m/s	velocity	4.76	8.70	9.35	9.80	9.71	9.80	9.80	9.17	9.71	9.01	8.59		6.94	9.77	9.55
Quarter-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)																	
USATF Women's Sprint Development (2004)																	
date	09-Jul-04	time	2.12	3.30	4.36	5.41	6.39	7.44	8.47	9.54	10.58	11.72	11.72	5 / 4, 3			

reaction time	interval	1.18	1.06	1.05	0.98	1.05	1.03	1.07	1.04	1.14		# of strides	4.36	3.08	3.14		
wind	-1.6 m/s	velocity	4.72	8.47	9.43	9.52	10.20	9.52	9.71	9.35	9.62	8.77	8.53	49.0	6.88	9.74	9.55
Jackson, Shawnti (USA)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
U20 FINAL - 2020 Millrose Games (New York, NY)												PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/					
date	08-Feb-20	time	2.21	3.33	4.36	5.38	6.40	7.40					7.40	5 / 1			
reaction time		interval		1.12	1.03	1.02	1.02	1.00						# of strides	4.36	3.04	
		velocity	4.52	8.93	9.71	9.80	9.80	10.00					8.11		6.88	9.87	
Jackson, Shericka (JAM) (1994)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Prefontaine Classic (Eugene, OR)												Omega Timing (2023) - diamond league race analysis					
date	16-Sep-23	time	2.04	3.14	4.14	5.09	6.02	6.93	7.85	8.78	9.72	10.70	10.70	6 / 1			
reaction time	0.190	interval		1.10	1.00	0.95	0.93	0.91	0.92	0.93	0.94	0.98		# of strides	4.14	2.79	2.79
wind	0.8 m/s	velocity	4.90	9.09	10.00	10.53	10.75	10.99	10.87	10.75	10.64	10.20	9.35	47.0	7.25	10.75	10.75
FINAL - 2023 London Athletics Meet (London, GBR)												Omega Timing (2023) - diamond league race analysis					
date	23-Jul-23	time	2.02	3.12	4.13	5.10	6.06	7.01	7.96	8.94	9.92	10.94	10.94	4 / 3			
reaction time	0.155	interval		1.10	1.01	0.97	0.96	0.95	0.95	0.98	0.98	1.02		# of strides	4.13	2.88	2.91
wind	1.2 m/s	velocity	4.95	9.09	9.90	10.31	10.42	10.53	10.53	10.20	10.20	9.80	9.14	48.0	7.26	10.42	10.31
FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)												Omega Timing (2023) - diamond league race analysis					
date	16-Jul-23	time	1.99	3.10	4.09	5.05	5.99	6.94	7.88	8.83	9.79	10.78	10.78	5 / 2			
reaction time	0.149	interval		1.11	0.99	0.96	0.94	0.95	0.94	0.95	0.96	0.99		# of strides	4.09	2.85	2.85
wind	0.2 m/s	velocity	5.03	9.01	10.10	10.42	10.64	10.53	10.64	10.53	10.42	10.10	9.28	48.0	7.33	10.53	10.53
FINAL - 2022 Weltklasse (Zürich, SUI)												Omega Timing (2022) - diamond league race analysis					
date	08-Sep-22	time		3.14		5.10		6.98		8.87		10.81	10.81	4 / 2			
reaction time	0.171	interval				1.96		1.88		1.89		1.94		# of strides			
wind	-0.8 m/s	velocity		6.37		10.20		10.64		10.58		10.31	9.25	48.0			
FINAL - 2022 Memorial van Damme (Brussels, BEL)												Omega Timing (2022) - diamond league race analysis					
date	02-Sep-22	time		3.11		5.06		6.93		8.81		10.73	10.73	3 / 1			
reaction time	0.148	interval				1.95		1.87		1.88		1.92		# of strides			
wind	0.6 m/s	velocity		6.43		10.26		10.70		10.64		10.42	9.32	48.0			
FINAL - 2022 Athletissima (Lausanne, SUI)												Omega Timing (2022) - diamond league race analysis					
date	26-Aug-22	time		3.15		5.15		7.04		8.93		10.88	10.88	4 / 2			
reaction time	0.172	interval				2.00		1.89		1.89		1.95		# of strides			
wind	0.0 m/s	velocity		6.35		10.00		10.58		10.58		10.26	9.19	48.0			
FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)												Omega Timing (2022) - diamond league race analysis					
date	10-Aug-22	time		3.13		5.09		6.96		8.83		10.71	10.71	3 / 2			
reaction time	0.171	interval				1.96		1.87		1.87		1.88	PB	# of strides			
wind	0.4 m/s	velocity		6.39		10.20		10.70		10.70		10.64	9.34	47.5			
FINAL - 2022 Prefontaine Classic (Eugene, OR)												Omega Timing (2022) - diamond league race analysis					
date	28-May-22	time		3.14		5.14		7.05		8.95		10.92	10.92	4 / 3			
reaction time	0.165	interval				2.00		1.91		1.90		1.97		# of strides			
wind	0.7 m/s	velocity		6.37		10.00		10.47		10.53		10.15	9.16	48.0			
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)												Omega Timing (2022) - diamond league race analysis					
date	21-May-22	time		3.13		5.17		7.13		9.11		11.12	11.12	6 / 3			
reaction time	0.154	interval				2.04		1.96		1.98		2.01		# of strides			
wind	-0.1 m/s	velocity		6.39		9.80		10.20		10.10		9.95	8.99	49.0			
FINAL - 2021 Athletissima (Lausanne, SUI)												Omega Timing (2021) - diamond league race analysis					
date	26-Aug-21	time		3.2		5.2		7.1		9.0		10.92	10.92	5 / 3			
reaction time	0.190	interval				2.00		1.90		1.90		1.92		# of strides			
wind	1.7 m/s	velocity		6.25		10.00		10.53		10.53		10.42	9.16	51.0			
FINAL - 2021 Prefontaine Classic (Eugene, OR)												Omega Timing (2021) - diamond league race analysis					
date	21-Aug-21	time		3.1		5.1		7.0		8.9		10.76	10.76	3 / 3			
reaction time	0.150	interval				2.00		1.90		1.90		1.86	=PB	# of strides			
wind	0.9 m/s	velocity		6.45		10.00		10.53		10.53		10.75	9.29	48.2			
FINAL - 2020 Olympic Games (Tokyo, JPN)												Vazel (2021) - analyzing the olympic 100-meter sprints					
date	31-Jul-21	time			4.09		6.94		8.83		10.76	10.76	7 / 3				
reaction time	0.152	interval					2.85		3.82		1.93	PB	# of strides	4.09	2.85		
wind	-0.6 m/s	velocity			7.33		10.53		5.24		10.36	9.29	48.0	7.33	10.53		
Jackson-Small, Grace (JAM) (1961)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1988 Olympic Games (Seoul, KOR)												Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988					

date	25-Sep-88	time	2.04	3.17	4.20	5.17	6.14	7.11	8.07	9.04	10.00	10.97	10.97	8 / 4			
reaction time	0.168	interval		1.13	1.03	0.97	0.97	0.97	0.96	0.97	0.96	0.97		# of strides	4.20	2.91	2.89
wind	3.0 m/s	velocity	4.90	8.85	9.71	10.31	10.31	10.31	10.42	10.31	10.42	10.31	9.12	42.6	7.14	10.31	10.38
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)																	
										<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>							
date	25-Sep-88	time	2.09	3.22	4.27	5.27	6.25	7.21	8.17	9.13	10.09	11.06	11.06	2 / 4			
reaction time	0.189	interval		1.13	1.05	1.00	0.98	0.96	0.96	0.96	0.96	0.97		# of strides	4.27	2.94	2.88
wind	2.6 m/s	velocity	4.78	8.85	9.52	10.00	10.20	10.42	10.42	10.42	10.42	10.31	9.04		7.03	10.20	10.42
Jacobs, Simone (GBR) (1966)																	
FINAL - 1997 European Cup (Munich, GER)										<i>Jung (2003) - http://www.fgs.uni-halle.de</i>							
date	21-Jun-97	time	2.03		4.35			7.40		9.45		11.55	11.55	/ 5			
reaction time		interval			2.32			3.05		2.05		2.10		# of strides	4.35	3.05	
wind	0.6 m/s	velocity	4.93		4.60			9.84		9.76		9.52	8.66		6.90	9.84	
Jacques-Sébastien, Lina (FRA) (1985)																	
B FINAL - 2009 ISTAF (Berlin, GER)										<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>							
date	14-Jun-09	time		3.28	4.35	5.39		7.44		9.55		11.69	11.69	/ 9			
reaction time	0.148	interval			1.07	1.04		2.05		2.11		2.14		# of strides	4.35	3.09	
wind	0.1 m/s	velocity		6.10	9.35	9.62		9.76		9.48		9.35	8.55		6.90	9.71	
Janoušová, Jana (CZE) (1995)																	
FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)										<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>							
date	28-Jun-14	time	2.18	3.39	4.54	5.61	6.71	7.81	8.93	10.05	11.23	12.46	12.46	4 / 3			
reaction time	0.146	interval		1.21	1.15	1.07	1.10	1.10	1.12	1.12	1.18	1.23		# of strides	4.54	3.27	3.42
wind	-4.5 m/s	velocity	4.59	8.26	8.70	9.35	9.09	9.09	8.93	8.93	8.47	8.13	8.03		6.61	9.17	8.77
Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																	
										<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>							
date	28-Jun-14	time		3.35		5.55		7.71		9.91		12.17	12.17	4 / 1			
reaction time	0.101	interval				2.20		2.16		2.20		2.26		# of strides			
wind	-0.1 m/s	velocity		5.97		9.09		9.26		9.09		8.85	8.22				
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)																	
										<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>							
date	15-Jun-13	time		3.38		5.56		7.69		9.90		12.19	12.19	2 / 5			
reaction time	0.153	interval				2.18		2.13		2.21		2.29		# of strides			
wind	-1.3 m/s	velocity		5.92		9.17		9.39		9.05		8.73	8.20				
Jansson, Ida (SWE) (1995)																	
C FINAL - 2012 Windsprint (Sundsvall, SWE)										<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>							
date	17-Jun-12	time			4.61			7.86		10.05		12.33	12.33	/ 2			
reaction time		interval						3.25		2.19		2.28		# of strides	4.61	3.25	
wind	0.6 m/s	velocity			6.51			9.23		9.13		8.77	8.11		6.51	9.23	
Jędrusińska, Dorota (POL) (1982)																	
C FINAL - 2009 ISATF (Berlin, GER)										<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>							
date	14-Jun-09	time		3.30	4.38	5.42		7.49		9.62		11.80	11.80	/ 4			
reaction time	0.193	interval			1.08	1.04		2.07		2.13		2.18		# of strides	4.38	3.11	
wind	0.9 m/s	velocity		6.06	9.26	9.62		9.66		9.39		9.17	8.47		6.85	9.65	
Jefferson, Melissa (USA) (2001)																	
FINAL - 2023 London Athletics Meet (London, GBR)										<i>Omega Timing (2023) - diamond league race analysis</i>							
date	23-Jul-23	time	2.01	3.16	4.19	5.19	6.16	7.13	8.10	9.08	10.07	11.09	11.09	8 / 7			
reaction time	0.154	interval		1.15	1.03	1.00	0.97	0.97	0.97	0.98	0.99	1.02		# of strides	4.19	2.94	2.94
wind	1.2 m/s	velocity	4.98	8.70	9.71	10.00	10.31	10.31	10.31	10.20	10.10	9.80	9.02	53.0	7.16	10.20	10.20
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)																	
										<i>Omega Timing (2022) - diamond league race analysis</i>							
date	06-Aug-22	time		3.16		5.20		7.16		9.14		11.18	11.18	3 / 7			
reaction time	0.146	interval				2.04		1.96		1.98		2.04		# of strides			
wind	0.5 m/s	velocity		6.33		9.80		10.20		10.10		9.80	8.94	52.0			
Jensen, Christine (DEN) (1991)																	
B FINAL - 2014 Windsprint (Sundsvall, SWE)										<i>(2014) - www.ssg.se/windsprint/Splittider/</i>							
date	20-Jul-14	time			4.54			7.72		9.87		12.04	12.04	6 / 2			
reaction time		interval						3.18		2.15		2.17		# of strides	4.54	3.18	
wind	2.3 m/s	velocity			6.61			9.43		9.30		9.22	8.31		6.61	9.43	
Jensen, Christine Bjelland (NOR) (1954)																	
National B FINAL - 2023 Weltklasse (Zürich, SUI)										<i>Omega Timing (2023) - diamond league race analysis</i>							
date	31-Aug-23	time	2.18	3.41	4.51	5.58	6.62	7.66	8.72	9.78	10.86	11.95	11.95	3 / 7			
reaction time	0.175	interval		1.23	1.10	1.07	1.04	1.04	1.06	1.06	1.08	1.09		# of strides	4.51	3.15	3.20
wind	-0.2 m/s	velocity	4.59	8.13	9.09	9.35	9.62	9.62	9.43	9.43	9.26	9.17	8.37		6.65	9.52	9.38

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

date	17-Jun-12	time	4.70	8.01	10.21	12.48	12.48	/ 2		
reaction time		interval		3.31	2.20	2.27		# of strides	4.70	3.31
wind	1.5 m/s	velocity	6.38	9.06	9.09	8.81	8.01		6.38	9.06

Jernstig, Freja (SWE) (1992)

10m

20m

30m

40m

50m

60m

70m

80m

90m

100m

Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	17-Jun-12	time	4.38	7.48	9.56	11.74	11.74	6 / 4		
reaction time		interval		3.10	2.08	2.18		# of strides	4.38	3.10
wind	1.0 m/s	velocity	6.85	9.68	9.62	9.17	8.52		6.85	9.68

Jeter, Carmelita (USA) (1979)

10m

20m

30m

40m

50m

60m

70m

80m

90m

100m

Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2011 IAAF World Championships (Daegu, KOR)KSSB (2011) - *biomechanical researchproject report in the iaaf world championships, Daegu 2011*

date	29-Aug-11	time	1.94	3.05	4.06	5.02	5.97	6.92	7.88	8.85	9.84	10.90	10.90	4 / 1		
reaction time	0.167	interval		1.11	1.01	0.96	0.95	0.95	0.96	0.97	0.99	1.06		# of strides	4.06	2.86
wind	-1.4 m/s	velocity	5.15	9.01	9.90	10.42	10.53	10.53	10.42	10.31	10.10	9.43	9.17	50.5	7.39	10.49

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

date	17-Aug-09	time	3.13	4.13	5.09	7.01	8.91	10.90	10.90	5 / 3		
reaction time	0.160	interval		1.00	0.96	1.92	1.90	1.99		# of strides	4.13	2.88
wind	0.1 m/s	velocity	6.39	10.00	10.42	10.42	10.53	10.05	9.17	47.5	7.26	10.42

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

date	17-Aug-09	time	3.12	4.12	5.09	7.00	8.89	10.83	10.83	4 / 1		
reaction time	0.144	interval		1.00	0.97	1.91	1.89	1.94	PB	# of strides	4.12	2.88
wind	-0.1 m/s	velocity	6.41	10.00	10.31	10.47	10.58	10.31	9.23	49.5	7.28	10.42

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

date	16-Aug-09	time	3.10	4.11	5.09	7.03	8.93	10.94	10.94	5 / 1		
reaction time	0.140	interval		1.01	0.98	1.94	1.90	2.01		# of strides	4.11	2.92
wind	-0.4 m/s	velocity	6.45	9.90	10.20	10.31	10.53	9.95	9.14	49.0	7.30	10.27

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

date	16-Aug-09	time	3.20	4.22	5.20	7.17	9.13	11.22	11.22	6 / 1		
reaction time	0.197	interval		1.02	0.98	1.97	1.96	2.09		# of strides	4.22	2.95
wind	-0.1 m/s	velocity	6.25	9.80	10.20	10.15	10.20	9.57	8.91		7.11	10.17

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

date	14-Sep-08	time	3.25	4.29	5.29	6.27	7.27	8.23	9.21	11.21	11.21	8 / 4		
reaction time	0.171	interval		1.04	1.00	0.98	1.00	0.96	0.98	2.00		# of strides	4.29	2.98
wind	0.3 m/s	velocity	6.15	9.62	10.00	10.20	10.00	10.42	10.20	10.00	8.92		6.99	10.07

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

USATF Women's Sprint Development with HPC (2008)

date	28-Jun-08	time	2.19	3.28	4.27	5.24	6.19	7.15	8.07	9.09	10.06	11.05	11.05	5 / 5		
reaction time		interval		1.09	0.99	0.97	0.95	0.96	0.92	1.02	0.97	0.99		# of strides	4.27	2.88
wind	1.8 m/s	velocity	4.57	9.17	10.10	10.31	10.53	10.42	10.87	9.80	10.31	10.10	9.05	49.2	7.03	10.42

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

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.12	3.22	4.20	5.18	6.14	7.11	8.08	9.03	9.98	10.97	10.97	3 / 1		
reaction time		interval		1.10	0.98	0.98	0.96	0.97	0.97	0.95	0.95	0.99	PB	# of strides	4.20	2.91
wind	0.7 m/s	velocity	4.72	9.09	10.20	10.20	10.42	10.31	10.31	10.53	10.53	10.10	9.12	7.14	10.31	10.45

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

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.09	3.22	4.23	5.24	6.21	7.15	8.13	9.09	10.09	11.10	11.10	5 / 1		
reaction time		interval		1.13	1.01	1.01	0.97	0.94	0.98	0.96	1.00	1.01		# of strides	4.23	2.92
wind	1.4 m/s	velocity	4.78	8.85	9.90	9.90	10.31	10.64	10.20	10.42	10.00	9.90	9.01	7.09	10.27	10.20

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

date	23-Sep-07	time	3.19	4.20	5.18	7.12	9.09	11.10	11.10	4 / 1		
reaction time	0.158	interval		1.01	0.98	1.94	1.97	2.01		# of strides	4.20	2.92
wind	-0.6 m/s	velocity	6.27	9.90	10.20	10.31	10.15	9.95	9.01	50.1	7.14	10.27

Quarter-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)

USATF Women's Sprint Development (2004)

date	09-Jul-04	time	2.15	3.32	4.37	5.38	6.36	7.41	8.46	9.51	10.60	11.76	11.76	2 / 5 5		
reaction time		interval		1.17	1.05	1.01	0.98	1.05	1.05	1.05	1.09	1.16		# of strides	4.37	3.04
wind	-1.6 m/s	velocity	4.65	8.55	9.52	9.90	10.20	9.52	9.52	9.52	9.17	8.62	8.50	51.0	6.86	9.87

Jett, Kisha (USA) (1975)

10m

20m

30m

40m

50m

60m

70m

80m

90m

100m

Official Time Lane / Place 0-30m 30-60m 60-90m

Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)

USATF Women's Sprint Development (1996)

1996 USA Olympic Trials (Alameda, Calif)						USA Women's Sprint Development					
date	15-Jun-96	time	2.10	4.30	6.29	10.28	11.38	11.38	8 / 6		
reaction time		interval		2.20	1.99	3.99	1.10		# of strides	4.30	
wind	0.2 m/s	velocity	4.76	9.09	10.05	10.03	9.09	8.79	51.5	6.98	

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Jingbo, Yuki (JPN) (1995)																	
FINAL - 2013 Japanese National High School Championships (Oita, JPN) Matsuo (2013) - 66th high school championships: JAF scientific committee- biomechanics data																	
date	31-Jul-13	time	2.13	3.37	4.48	5.54	6.59	7.64	8.70	9.78	10.88	12.01	12.01	/ 4			
reaction time		interval		1.24	1.11	1.06	1.05	1.05	1.06	1.08	1.10	1.13		# of strides	4.48	3.16	3.24
wind	-0.5 m/s	velocity	4.69	8.06	9.01	9.43	9.52	9.52	9.43	9.26	9.09	8.85	8.33		6.70	9.49	9.26
Johansson, Charlotte (SWE) (1986)																	
C FINAL - 2010 Windsprint (Sundsvall, SWE) (2010) - www.ssg.se/en/Windsprint/Split-times/																	
date	08-Aug-10	time		4.72			8.12		10.40		12.76	12.76	/ 6				
reaction time		interval					3.40		2.28		2.36		# of strides	4.72	3.40		
wind	3.5 m/s	velocity		6.36			8.82		8.77		8.47	7.84		6.36	8.82		
Johansson, Malin (SWE) (1992)																	
B FINAL - 2014 Windsprint (Sundsvall, SWE) (2014) - www.ssg.se/windsprint/Splittider/																	
date	20-Jul-14	time		4.56			7.77		9.92		12.13	12.13	2 / 3				
reaction time		interval					3.21		2.15		2.21		# of strides	4.56	3.21		
wind	2.3 m/s	velocity		6.58			9.35		9.30		9.05	8.24		6.58	9.35		
B FINAL - 2013 Windsprint (Sundsvall, SWE) (2013) - www.ssg.se/windsprint/Splittider/																	
date	28-Jul-13	time		4.55			7.72		9.83		11.96	11.96	7 / 4				
reaction time		interval					3.17		2.11		2.13		# of strides	4.55	3.17		
wind	2.6 m/s	velocity		6.59			9.46		9.48		9.39	8.36		6.59	9.46		
C FINAL - 2010 Windsprint (Sundsvall, SWE) (2010) - www.ssg.se/en/Windsprint/Split-times/																	
date	08-Aug-10	time		4.74			8.12		10.37		12.71	12.71	/ 5				
reaction time		interval					3.38		2.25		2.34		# of strides	4.74	3.38		
wind	3.5 m/s	velocity		6.33			8.88		8.89		8.55	7.87		6.33	8.88		
C FINAL - 2009 Windsprint (Sundsvall, SWE) (2009) - www.ssg.se/en/Windsprint/Split-times/																	
date	25-Jul-09	time		4.82			8.20		10.45		12.81	12.81	/ 5				
reaction time		interval					3.38		2.25		2.36		# of strides	4.82	3.38		
wind	0.9 m/s	velocity		6.22			8.88		8.89		8.47	7.81		6.22	8.88		
Jones, Hayley (GBR) (1988)																	
FINAL - 2012 Windsprint (Sundsvall, SWE) (2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx																	
date	17-Jun-12	time		4.27			7.29		9.32		11.42	11.42	5 / 1				
reaction time		interval					3.02		2.03		2.10		# of strides	4.27	3.02		
wind	1.0 m/s	velocity		7.03			9.93		9.85		9.52	8.76		7.03	9.93		
FINAL - 2010 Windsprint (Sundsvall, SWE) (2010) - www.ssg.se/en/Windsprint/Split-times/																	
date	08-Aug-10	time		4.29			7.32		9.34		11.48	11.48	/ 3				
reaction time		interval					3.03		2.02		2.14		# of strides	4.29	3.03		
wind	2.4 m/s	velocity		6.99			9.90		9.90		9.35	8.71		6.99	9.90		
Jones, Marion (USA) (1975)																	
FINAL - 2006 USATF National Championships (Indianapolis, IN) USATF Women's Sprint Development (2006)																	
date	23-Jun-06	time	2.07	3.17	4.19	5.17	6.14	7.11	8.09	9.06	10.09	11.10	11.10	4 / 4			
reaction time		interval		1.10	1.02	0.98	0.97	0.97	0.98	0.97	1.03	1.01	DV	# of strides	4.19	2.92	2.98
wind	-0.9 m/s	velocity	4.83	9.09	9.80	10.20	10.31	10.31	10.20	10.31	9.71	9.90	9.01	48.5	7.16	10.27	10.07
FINAL - 2004 USA Olympic Trials (Sacramento, CA) USATF Women's Sprint Development (2004)																	
date	10-Jul-04	time	2.04	3.21	4.24	5.23	6.18	7.16	8.13	9.11	10.10	11.14	11.14	6 / 5			
reaction time	0.179	interval		1.17	1.03	0.99	0.95	0.98	0.97	0.98	0.99	1.04	DV	# of strides	4.24	2.92	2.94
wind	0.1 m/s	velocity	4.90	8.55	9.71	10.10	10.53	10.20	10.31	10.20	10.10	9.62	8.98	48.0	7.08	10.27	10.20
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA) USATF Women's Sprint Development (2004)																	
date	10-Jul-04	time	2.08	3.20	4.22	5.22	6.16	7.15	8.11	9.08	10.11	11.14	11.14	5 / 4			
reaction time		interval		1.12	1.02	1.00	0.94	0.99	0.96	0.97	1.03	1.03	DV	# of strides	4.22	2.93	2.96
wind	-0.7 m/s	velocity	4.81	8.93	9.80	10.00	10.64	10.10	10.42	10.31	9.71	9.71	8.98	47.7	7.11	10.24	10.14
Quarter-Final 1 - 2004 USA Olympic Trials (Sacramento, CA) USATF Women's Sprint Development (2004)																	
date	09-Jul-04	time	2.09	3.22	4.26	5.24	6.21	7.20	8.22	9.21	10.23	11.38	11.38	3 / 2			
reaction time		interval		1.13	1.04	0.98	0.97	0.99	1.02	0.99	1.02	1.15	DV	# of strides	4.26	2.94	3.03
wind	-1.6 m/s	velocity	4.78	8.85	9.62	10.20	10.31	10.10	9.80	10.10	9.80	8.70	8.79	48.7	7.04	10.20	9.90
FINAL - 2001 IAAF World Championships (Edmonton, CA) Veney - split times from PJ																	
date	06-Aug-01	time	1.97	3.07	4.12	5.12	6.07	7.02	7.97	8.82	9.88	10.85	10.85	3 / 2			
reaction time		interval		1.10	1.05	1.00	0.95	0.95	0.95	0.85	1.06	0.97	DV	# of strides	4.12	2.90	2.86
wind	-0.2 m/s	velocity	5.08	9.09	9.52	10.00	10.53	10.53	10.53	11.76	9.43	10.31	9.22	48.7	7.28	10.34	10.49
FINAL - 2000 Olympic Games (Sydney, AUS) Veney - Sydney 100m women's splits																	

date	24-Sep-00	time	1.83	3.93	5.96	6.90	7.85	9.76	10.75	10.87	5 / 4						
reaction time	0.189	interval		2.10	2.03	0.94	0.95	1.91	0.99	DV	# of strides	3.93	2.97	2.86			
wind	-0.4 m/s	velocity	5.46	9.52	9.85	10.64	10.53	10.47	10.10	9.20		7.63	10.10	10.49			
FINAL - 2000 ISTAF (Berlin, GER)																	
Graubner (2009) - http://www.fgs.uni-halle.de																	
date	01-Sep-00	time		3.05	4.05	5.02	5.96	6.90	8.80	10.78	10.78	/ 4					
reaction time	0.152	interval			1.00	0.97	0.94	0.94	1.90	1.98	DV	# of strides	4.05	2.85			
wind	0.1 m/s	velocity		6.56	10.00	10.31	10.64	10.64	10.53	10.10	9.28	48.7	7.41	10.53			
FINAL - 2000 USA Olympic Trials (Sacramento, CA)																	
Lyle - miscellaneous coaching notes																	
date	15-Jul-00	time	2.01	4.14	6.01	6.92	9.84	10.88	10.88	/ 1							
reaction time		interval		2.13	1.87	0.91	2.92	1.04				# of strides	4.14	2.78	2.92		
wind	-1.0 m/s	velocity	4.98	4.69	10.70	10.99	10.27	9.62	9.19				7.25	10.79	10.27		
FINAL - 1999 IAAF World Championships (Sevilla, ESP)																	
Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999																	
date	22-Aug-99	time	1.83	2.93	3.92	4.87	5.81	6.73	7.67	8.63	9.60	10.58	10.70	5 / 1			
reaction time	0.120	interval		1.10	0.99	0.95	0.94	0.92	0.94	0.96	0.97	0.98	CR / PB	# of strides	3.92	2.81	2.87
wind	-0.1 m/s	velocity	5.46	9.09	10.10	10.53	10.64	10.87	10.64	10.42	10.31	10.20	9.35		7.65	10.68	10.45
FINAL - 1997 IAAF World Championships (Athens, GRE)																	
Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997																	
date	03-Aug-97	time	1.81	2.92	3.94	4.91	5.86	6.80	7.75	8.70	9.67	10.66	10.83	/ 1			
reaction time	0.160	interval		1.11	1.02	0.97	0.95	0.94	0.95	0.95	0.97	0.99	PB	# of strides	3.94	2.86	2.87
wind	0.4 m/s	velocity	5.52	9.01	9.80	10.31	10.53	10.64	10.53	10.53	10.31	10.10	9.23	47.5	7.61	10.49	10.45
Jones, Shakedia (USA) (1979)																	
FINAL - 1996 USATF National Junior Championships (Delaware, OH)																	
USATF Women's Sprint Development (1996)																	
date	28-Jun-96	time	2.13	4.36	6.27	7.27	10.49	11.71	11.71	4 / 4							
reaction time		interval		2.23	1.91	1.00	3.22	1.22				# of strides	4.36	2.91	3.22		
wind	0.5 m/s	velocity	4.69	8.97	10.47	10.00	9.32	8.20	8.54				6.88	10.31	9.32		
Jones, Soniya (ANT) (2002)																	
U20 FINAL - 2020 Millrose Games (New York, NY)																	
PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/																	
date	08-Feb-20	time	2.23	3.39	4.48	5.54	6.59	7.60	7.60	8 / 4							
reaction time		interval		1.16	1.09	1.06	1.05	1.01	PB	# of strides	4.48	3.12					
		velocity	4.48	8.62	9.17	9.43	9.52	9.90	7.89			6.70	9.62				
Jones, Teneeshia (USA) (1979)																	
Quarter-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)																	
USATF Women's Sprint Development (2004)																	
date	09-Jul-04	time	2.09	3.23	4.31	5.34	6.34	7.39	8.43	9.49	10.58	11.72	11.72	7 / 5 4			
reaction time		interval		1.14	1.08	1.03	1.00	1.05	1.04	1.06	1.09	1.14		# of strides	4.31	3.08	3.19
wind	-1.6 m/s	velocity	4.78	8.77	9.26	9.71	10.00	9.52	9.62	9.43	9.17	8.77	8.53	53.0	6.96	9.74	9.40
Jones-Ferrett, Laverne (ISV) (1981)																	
FINAL - 2009 ISTAF (Berlin, GER)																	
Graubner (2009) - http://www.fgs.uni-halle.de																	
date	14-Jun-09	time		3.11	4.14	5.14	7.11	9.16	11.23	11.23	/ 6						
reaction time	0.147	interval			1.03	1.00	1.97	2.05	2.07			# of strides	4.14	2.97			
wind	0.1 m/s	velocity		6.43	9.71	10.00	10.15	9.76	9.66	8.90			7.25	10.10			
Jong, Fleur (NED) (1995) (T62)																	
Para FINAL - 2023 Prefontaine Classic (Eugene, OR)																	
Omega Timing (2023) - diamond league race analysis																	
date	17-Sep-23	time	2.51	3.85	5.03	6.15	7.24	8.31	9.38	10.46	11.54	12.67	12.67	5 / 1			
reaction time	0.172	interval		1.34	1.18	1.12	1.09	1.07	1.07	1.08	1.08	1.13		# of strides	5.03	3.28	3.23
wind	0.7 m/s	velocity	3.98	7.46	8.47	8.93	9.17	9.35	9.35	9.26	9.26	8.85	7.89	52.0	5.96	9.15	9.29
Jordan, Victoria (USA) (1990)																	
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)																	
USATF Women's Sprint Development with HPC (2008)																	
date	27-Jun-08	time	2.11	3.22	4.27	5.23	6.21	7.21	8.21	9.18	10.17	11.29	11.29	2 / 8			
reaction time		interval		1.11	1.05	0.96	0.98	1.00	1.00	0.97	0.99	1.12		# of strides	4.27	2.94	2.96
wind	3.4 m/s	velocity	4.74	9.01	9.52	10.42	10.20	10.00	10.00	10.31	10.10	8.93	8.86		7.03	10.20	10.14
Heat 4 - 2008 USA Olympic Trials (Eugene, OR)																	
USATF Women's Sprint Development with HPC (2008)																	
date	27-Jun-08	time	2.06	3.19	4.20	5.22	6.21	7.20	8.20	9.23	10.29	11.36	11.36	2 / 5			
reaction time		interval		1.13	1.01	1.02	0.99	0.99	1.00	1.03	1.06	1.07		# of strides	4.20	3.00	3.09
wind	1.4 m/s	velocity	4.85	8.85	9.90	9.80	10.10	10.10	10.00	9.71	9.43	9.35	8.80		7.14	10.00	9.71
FINAL - 2008 USATF National Junior Championships (Columbus, OH)																	
USATF Women's Sprint Development with HPC (2008)																	
date	20-Jun-08	time	2.10	3.20	4.23	5.23	6.22	7.21	8.23	9.29	10.31	11.38	11.38	5 / 2			
reaction time		interval		1.10	1.03	1.00	0.99	0.99	1.02	1.06	1.02	1.07		# of strides	4.23	2.98	3.10
wind	1.3 m/s	velocity	4.76	9.09	9.71	10.00	10.10	10.10	9.80	9.43	9.80	9.35	8.79		7.09	10.07	9.68
Joseph, Gémima (FRA) (2001)																	
B FINAL - Heat 2 - 2022 Athletissima (Lausanne, SUI)																	
Omega Timing (2022) - diamond league race analysis																	

date	26-Aug-22	time	3.2	5.4	7.5	9.6	11.87	11.87	4 / 6									
reaction time	0.189	interval		2.20	2.10	2.10	2.27		# of strides									
wind	-2.7 m/s	velocity	6.25	9.09	9.52	9.52	8.81	8.42										
Joyce, Alexis (USA) (1983)																		
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)																		
<i>USATF Women's Sprint Development with HPC (2008)</i>																		
date	28-Jun-08	time	2.09	3.19	4.22	5.23	6.20	7.19	8.19	9.21	10.26	11.31	11.31	8 / 8				
reaction time		interval		1.10	1.03	1.01	0.97	0.99	1.00	1.02	1.05	1.05		# of strides	4.22	2.97	3.07	
wind	3.2 m/s	velocity	4.78	9.09	9.71	9.90	10.31	10.10	10.00	9.80	9.52	9.52	8.84	53.7	7.11	10.10	9.77	
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)																		
<i>USATF Women's Sprint Development with HPC (2008)</i>																		
date	27-Jun-08	time	2.06	3.14	4.18	5.17	6.12	7.09	8.06	9.06	10.08	11.16	11.16	7 / 5				
reaction time		interval		1.08	1.04	0.99	0.95	0.97	0.97	1.00	1.02	1.08		# of strides	4.18	2.91	2.99	
wind	3.4 m/s	velocity	4.85	9.26	9.62	10.10	10.53	10.31	10.31	10.00	9.80	9.26	8.96	7.18	10.31	10.03		
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)																		
<i>USATF Women's Sprint Development with HPC (2008)</i>																		
date	27-Jun-08	time	2.04	3.12	4.16	5.14	6.11	7.12	8.11	9.12	10.19	11.21	11.21	3 / 4				
reaction time		interval		1.08	1.04	0.98	0.97	1.01	0.99	1.01	1.07	1.02		# of strides	4.16	2.96	3.07	
wind	3.5 m/s	velocity	4.90	9.26	9.62	10.20	10.31	9.90	10.10	9.90	9.35	9.80	8.92	7.21	10.14	9.77		
Kadlecová, Adéla (CZE) (1996)																		
FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)																		
<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time	2.27	3.49	4.69	5.83	6.96	8.11	9.25	10.40	11.58	12.87	12.87	3 / 8				
reaction time	0.162	interval		1.22	1.20	1.14	1.13	1.15	1.14	1.15	1.18	1.29		# of strides	4.69	3.42	3.47	
wind	-4.5 m/s	velocity	4.41	8.20	8.33	8.77	8.85	8.70	8.77	8.70	8.47	7.75	7.77	6.40	8.77	8.65		
Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																		
<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time		3.53		5.81		7.97		10.14		12.41	12.41	5 / 2				
reaction time	0.206	interval				2.28		2.16		2.17		2.27		# of strides				
wind	-0.1 m/s	velocity		5.67		8.77		9.26		9.22		8.81	8.06					
Kageyama, Megumi (JPN) (1990)																		
FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)																		
<i>Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics data</i>																		
date	30-Jul-08	time	2.18	3.35	4.43	5.49	6.53	7.58	8.63	9.69	10.77	11.87	11.87	/ 1				
reaction time		interval		1.17	1.08	1.06	1.04	1.05	1.05	1.06	1.08	1.10	PB	# of strides	4.43	3.15	3.19	
wind	0.4 m/s	velocity	9.17	8.55	9.26	9.43	9.62	9.52	9.52	9.43	9.26	9.09	8.42	6.77	9.52	9.40		
Kageyama, Sakiho (JPN) (2002)																		
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)																		
<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>																		
date	23-Aug-20	time	2.05	3.24	4.34	5.42	6.49	7.56	8.64	9.74	10.86	11.99	11.99	3 / 6				
reaction time	0.150	interval		1.19	1.10	1.08	1.07	1.07	1.08	1.10	1.12	1.13		# of strides	4.34	3.22	3.30	
wind	-0.9 m/s	velocity	4.88	8.40	9.09	9.26	9.35	9.35	9.26	9.09	8.93	8.85	8.34	6.91	9.32	9.09		
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)																		
<i>Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>																		
date	05-Aug-19	time	2.02	3.19	4.26	5.31	6.34	7.38	8.43	9.50	10.58	11.69	11.69	6 / 4				
reaction time		interval		1.17	1.07	1.05	1.03	1.04	1.05	1.07	1.08	1.11	PB	# of strides	4.26	3.12	3.20	
wind	-0.1 m/s	velocity	4.95	8.55	9.35	9.52	9.71	9.62	9.52	9.35	9.26	9.01	8.55	52.2	7.04	9.62	9.38	
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)																		
<i>Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics data</i>																		
date	03-Aug-18	time	2.03	3.21	4.29	5.34	6.39	7.44	8.50	9.57	10.66	11.77	11.77	/ 2				
reaction time		interval		1.18	1.08	1.05	1.05	1.05	1.06	1.07	1.09	1.11	PB	# of strides	4.29	3.15	3.22	
wind	0.0 m/s	velocity	4.93	8.47	9.26	9.52	9.52	9.52	9.43	9.35	9.17	9.01	8.50	6.99	9.52	9.32		
Kambundji, Mujinga (SUI) (1992)																		
FINAL - 2023 Weltklasse (Zürich, SUI)																		
<i>Omega Timing (2023) - diamond league race analysis</i>																		
date	31-Aug-23	time	2.03	3.15	4.17	5.15	6.12	7.08	8.06	9.04	10.05	11.08	11.08	6 / 4				
reaction time	0.134	interval		1.12	1.02	0.98	0.97	0.96	0.98	0.98	1.01	1.03		# of strides	4.17	2.91	2.97	
wind	-0.2 m/s	velocity	4.93	8.93	9.80	10.20	10.31	10.42	10.20	10.20	9.90	9.71	9.03	52.0	7.19	10.31	10.10	
FINAL - 2023 Athletissima (Lausanne, SUI)																		
<i>Omega Timing (2023) - diamond league race analysis</i>																		
date	30-Jun-23	time	2.03	3.17	4.21	5.21	6.21	7.21	8.23	9.25	10.30	11.41	11.41	6 / 8				
reaction time	0.136	interval		1.14	1.04	1.00	1.00	1.00	1.02	1.05	1.11			# of strides	4.21	3.00	3.09	
wind	-0.8 m/s	velocity	4.93	8.77	9.62	10.00	10.00	10.00	9.80	9.80	9.52	9.01	8.76	52.7	7.13	10.00	9.71	
FINAL - 2022 Athletissima (Lausanne, SUI)																		
<i>Omega Timing (2022) - diamond league race analysis</i>																		
date	26-Aug-22	time		3.14		5.18		7.13		9.09		11.15	11.15	6 / 6				
reaction time	0.126	interval				2.04		1.95		1.96		2.06		# of strides				
wind	0.0 m/s	velocity		6.37		9.80		10.26		10.20		9.71	8.97	52.2				
FINAL - 2022 Prefontaine Classic (Eugene, OR)																		
<i>Omega Timing (2022) - diamond league race analysis</i>																		
date	28-May-22	time		3.15		5.17		7.11		9.07		11.11	11.11	7 / 7				
reaction time	0.138	interval				2.02		1.94		1.96		2.04		# of strides				

wind	0.7 m/s	velocity	6.35	9.90	10.31	10.20	9.80	9.00	52.0										
FINAL - 2021 Weltklasse (Zürich, SUI)										Omega Timing (2021) - diamond league race analysis									
date	09-Sep-21	time	3.2	5.1	7.0	9.0	10.94	10.94	5 / 5										
reaction time	0.126	interval		1.90	1.90	2.00	1.94	PB	# of strides										
wind	0.6 m/s	velocity	6.25	10.53	10.53	10.00	10.31	9.14	52.5										
FINAL - 2021 Athletissima (Lausanne, SUI)										Omega Timing (2021) - diamond league race analysis									
date	26-Aug-21	time	3.2	5.2	7.1	9.1	11.01	11.01	7 / 7										
reaction time	0.127	interval		2.00	1.90	2.00	1.91		# of strides										
wind	1.7 m/s	velocity	6.25	10.00	10.53	10.00	10.47	9.08	51.7										
FINAL - 2021 Prefontaine Classic (Eugene, OR)										Omega Timing (2021) - diamond league race analysis									
date	21-Aug-21	time	3.2	5.2	7.1	9.0	10.96	10.96	8 / 7										
reaction time	0.143	interval		2.00	1.90	1.90	1.96		# of strides										
wind	0.9 m/s	velocity	6.25	10.00	10.53	10.53	10.20	9.12	51.0										
FINAL - 2020 Olympic Games (Tokyo, JPN)										Vazel (2021) - analyzing the olympic 100-meter sprints									
date	31-Jul-21	time	4.12		7.01	8.96	10.99	10.99	9 / 6										
reaction time	0.138	interval			2.89	3.98	2.03		# of strides	4.12	2.89								
wind	-0.6 m/s	velocity	7.28		10.38	5.03	9.85	9.10	52.7	7.28	10.38								
FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)										Swiss Athletics (2016) - sprint and hurdle analysis									
date	27-Feb-16	time	4.24		7.21				7.21	/ 1									
reaction time		interval			2.97					# of strides	4.24	2.97							
		velocity	7.08		10.10				8.32	32.0	7.08	10.10							
Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)										Swiss Athletics (2016) - sprint and hurdle analysis									
date	27-Feb-16	time	4.28		7.32				7.32	/ 1									
reaction time		interval			3.04					# of strides	4.28	3.04							
		velocity	7.01		9.87				8.20		7.01	9.87							
Kambundji, Muswama (SUI) (1996)																			
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
Semi-Final 1 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)										Swiss Athletics (2016) - sprint and hurdle analysis									
date	27-Feb-16	time	4.47			7.68					7.68	/ 5							
reaction time		interval				3.21						# of strides	4.47	3.21					
		velocity	6.71			9.35					7.81		6.71	9.35					
Kanai, Marumi (JPN) (1997)																			
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)										Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions									
date	19-Sep-20	time	2.03	3.22	4.32	5.38	6.43	7.49	8.57	9.66	10.79	11.95	11.95	/ 4					
reaction time		interval		1.19	1.10	1.06	1.05	1.06	1.08	1.09	1.13	1.16		# of strides	4.32	3.17	3.30		
wind	-0.8 m/s	velocity	4.93	8.40	9.09	9.43	9.52	9.43	9.26	9.17	8.85	8.62	8.37		6.94	9.46	9.09		
Kanami, Mimura (JPN) (2001)																			
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)										Enomoto (2019) - research on athlete performance and technique- 2019 data book									
date	04-Oct-19	time	4.45		6.59						12.05	12.05	7 / 4						
reaction time	0.196	interval			2.14						5.46		# of strides	4.45					
wind	-1.5 m/s	velocity	6.74		3.03						9.16	8.30	53.7	6.74					
U20 FINAL - 2018 National Sports Festival (Fukui, JPN)										Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan									
date	05-Oct-18	time	2.11	3.31	4.42	5.49	6.54	7.59	8.65	9.72	10.80	11.91	11.91	4 / 5					
reaction time	0.194	interval		1.20	1.11	1.07	1.05	1.05	1.06	1.07	1.08	1.11		# of strides	4.42	3.17	3.21		
wind	-0.1 m/s	velocity	4.74	8.33	9.01	9.35	9.52	9.52	9.43	9.35	9.26	9.01	8.40	53.0	6.79	9.46	9.35		
Karastamáti, María (GRE) (1984)																			
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
FINAL - 2005 European U23 Championships (Erfurt, GER)										Graubner (2007) - http://www.fgs.uni-halle.de									
date	16-Aug-05	time	3.17	4.19	5.17		7.08		9.02		11.03	11.03	/ 1						
reaction time	0.187	interval		1.02	0.98		1.91		1.94		2.01	CR / PB	# of strides	4.19	2.89				
wind	1.5 m/s	velocity	6.31	9.80	10.20		10.47		10.31		9.95	9.07		7.16	10.38				
Kasprzyk, Ewa (POL) (1957)																			
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
FINAL - 1987 European Cup (Prague, TCH)										Sušanka (1987) - hints on computer processing of biomechanical data									
date	28-Jun-87	time	2.09	3.30	4.33	5.35	6.34	7.33	8.35	9.38	10.41	11.45	11.45	8 / 7					
reaction time		interval		1.21	1.03	1.02	0.99	0.99	1.02	1.03	1.03	1.04		# of strides	4.33	3.00	3.08		
wind	-0.4 m/s	velocity	4.78	8.26	9.71	9.80	10.10	10.10	9.80	9.71	9.71	9.62	8.73	55.3	6.93	10.00	9.74		
Kato, Anna (JPN) (2002)																			
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)										Enomoto (2019) - research on athlete performance and technique- 2019 data book									
date	04-Oct-19	time	4.40		6.54						12.08	12.08	6 / 5						
reaction time	0.143	interval			2.14						5.54		# of strides	4.40					
wind	-1.5 m/s	velocity	6.82		3.06						9.03	8.28	54.2	6.82					

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

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

date	16-Aug-09	time	3.15	4.20	5.22	7.27	9.31	11.43	11.43	1 / 4			
reaction time	0.129	interval		1.05	1.02	2.05	2.04	2.12		# of strides	4.20	3.07	
wind	-0.3 m/s	velocity	6.35	9.52	9.80	9.76	9.80	9.43	8.75		7.14	9.77	

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships***Killander, Linnea (SWE) (1993)****C FINAL - 2014 Windsprint (Sundsvall, SWE)**

date	20-Jul-14	time	4.61			7.81	9.99	12.22	12.22	6 / 4			
reaction time		interval				3.20	2.18	2.23		# of strides	4.61	3.20	
wind	0.7 m/s	velocity	6.51			9.38	9.17	8.97	8.18		6.51	9.38	

*(2014) - www.ssg.se/windsprint/Splittider/***Kimura, Akane (JPN) (1993)****Heat 3 - 2013 Japanese National Championships (Chofu, JPN)**

date	07-Jun-13	time	2.08	3.26	4.34	5.39	6.43	7.46	8.51	9.57	10.66	11.77	11.77	9 / 3			
reaction time		interval		1.18	1.08	1.05	1.04	1.03	1.05	1.06	1.09	1.11		# of strides	4.34	3.12	3.20
wind	1.9 m/s	velocity	4.81	8.47	9.26	9.52	9.62	9.71	9.52	9.43	9.17	9.01	8.50	51.5	6.91	9.62	9.38

*Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013***FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)**

date	04-Aug-11	time				6.50	7.55	8.63	9.73	10.86	12.02	12.02	6 / 2				
reaction time		interval					1.05	1.08	1.10	1.13	1.16		# of strides				3.31
wind	-1.0 m/s	velocity				7.69	9.52	9.26	9.09	8.85	8.62	8.32					9.06

*Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics***FINAL - 2009 Japanese National High School Championships (Nara, JPN)**

date	30-Jul-09	time	4.30	5.36	6.40	7.43	8.53	9.60			11.83	11.83	6 / 6				
reaction time		interval		1.06	1.04	1.03	1.10	1.07			2.23		# of strides	4.30	3.13		
wind	1.6 m/s	velocity		6.98	9.43	9.62	9.71	9.09	9.35		8.97	8.45		6.98	9.58		

*Matsuo (2009) - 62nd high school championships: JAF scientific committee - biomechanics***Kislova, Marina (RUS) (1978)****Semi-Final 1 - 2002 European Championships (Munich, GER)**

date	07-Aug-02	time	3.18	4.24	5.26		7.27	9.33			11.49	11.49	7 / 7				
reaction time	0.116	interval		1.06	1.02		2.01	2.06			2.16		# of strides	4.24	3.03		
wind	0.0 m/s	velocity	6.29	9.43	9.80		9.95	9.71			9.26	8.70		7.08	9.90		

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

date	06-Aug-02	time	3.18	4.23	5.24		7.25	9.30			11.45	11.45	7 / 3				
reaction time	0.113	interval		1.05	1.01		2.01	2.05			2.15		# of strides	4.23	3.02		
wind	0.1 m/s	velocity	6.29	9.52	9.90		9.95	9.76			9.30	8.73		7.09	9.93		

*Graubner (2009) - http://www.fgs.uni-halle.de***FINAL - 2001 European Cup (Bremen, GER)**

date	23-Jun-01	time	3.19	4.23	5.23		7.20	9.18			11.23	11.23	7 / 1				
reaction time	0.133	interval		1.04	1.00		1.97	1.98			2.05		# of strides	4.23	2.97		
wind	2.8 m/s	velocity	6.27	9.62	10.00		10.15	10.10			9.76	8.90		7.09	10.10		

*Graubner (2007) - http://www.fgs.uni-halle.de***Kitakaze, Saori (JPN) (1985)****FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)**

date	10-May-15	time	2.04	3.20	4.28	5.33	6.36	7.40	8.45	9.52	10.62	11.73	11.73	8 / 7			
reaction time		interval		1.16	1.08	1.05	1.03	1.04	1.05	1.07	1.10	1.11		# of strides	4.28	3.12	3.22
wind	1.2 m/s	velocity	4.90	8.62	9.26	9.52	9.71	9.62	9.52	9.35	9.09	9.01	8.53	58.2	7.01	9.62	9.32

*Matsuo (2015) - 2015 men's & women's 100m race analysis***FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN)**

date	11-May-14	time	2.03	3.20	4.28	5.33	6.38	7.45	8.53	9.63	10.76	11.94	11.94	1 / 8			
reaction time		interval		1.17	1.08	1.05	1.05	1.07	1.08	1.10	1.13	1.18		# of strides	4.28	3.17	3.31
wind	-0.8 m/s	velocity	4.93	8.55	9.26	9.52	9.52	9.35	9.26	9.09	8.85	8.47	8.38	57.7	7.01	9.46	9.06

*Matsuo (2014) - research on athlete performance and technique- 2014 data book***Heat 3 - 2012 Mikio Oda Memorial (Hiroshima, JPN)**

date	29-Apr-12	time	2.02	3.17	4.22	5.24	6.25	7.28	8.33	9.40	10.48	11.61	11.61	4 / 3			
reaction time		interval		1.15	1.05	1.02	1.01	1.03	1.05	1.07	1.08	1.13		# of strides	4.22	3.06	3.20
wind	1.6 m/s	velocity	4.95	8.70	9.52	9.80	9.90	9.71	9.52	9.35	9.26	8.85	8.61	58.5	7.11	9.80	9.38

*Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013***FINAL - 2011 Miko Oda Memorial (Hiroshima, JPN)**

date	29-Apr-11	time	2.07	3.22	4.26	5.27	6.26	7.25	8.25	9.28	10.33	11.40	11.40	8 / 3			
reaction time		interval		1.15	1.04	1.01	0.99	0.99	1.00	1.03	1.05	1.07		# of strides	4.26	2.99	3.08
wind	2.6 m/s	velocity	4.83	8.70	9.62	9.90	10.10	10.10	10.00	9.71	9.52	9.35	8.77	49.7	7.04	10.03	9.74

*Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride***Heat 2 - 2011 Miko Oda Memorial (Hiroshima, JPN)**

date	29-Apr-11	time	2.03	3.17	4.24	5.28	6.31	7.33	8.37	9.44	10.53	11.65	11.65	3 / 3			
reaction time		interval		1.14	1.07	1.04	1.03	1.02	1.04	1.07	1.09	1.12		# of strides	4.24	3.09	3.20
wind	2.0 m/s	velocity	4.93	8.77	9.35	9.62	9.71	9.80	9.62	9.35	9.17	8.93	8.58	58.8	7.08	9.71	9.38

*Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride***FINAL - 2008 Japanese National Championships (Kawasaki, JPN)**

date	29-Jun-08	time	2.03	3.20	4.29	5.35	6.39	7.44	8.51	9.61	10.74	11.90	11.90	7 / 6			
reaction time		interval		1.17	1.09	1.06	1.04	1.05	1.07	1.10	1.13	1.16		# of strides	4.29	3.15	3.30

Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles

wind	0.4 m/s	velocity	4.93	8.55	9.17	9.43	9.62	9.52	9.35	9.09	8.85	8.62	8.40	6.99	9.52	9.09	
Heat 1 - 2008 Mikio Oda Memorial (Hiroshima, JPN) <i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																	
date	29-Apr-08	time	2.01	3.15	4.20	5.21	6.22	7.23	8.26	9.32	10.39	11.51	11.51	/ 1			
reaction time		interval		1.14	1.05	1.01	1.01	1.01	1.03	1.06	1.07	1.12		# of strides	4.20	3.03	3.16
wind	1.3 m/s	velocity	4.98	8.77	9.52	9.90	9.90	9.90	9.71	9.43	9.35	8.93	8.69		7.14	9.90	9.49
FINAL - 2007 Japanese National Championships (Osaka, JPN) <i>Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles</i>																	
date	30-Jun-07	time	1.99	3.14	4.20	5.24	6.26	7.30	8.35	9.42	10.53	11.66	11.66	/ 2			
reaction time		interval		1.15	1.06	1.04	1.02	1.04	1.05	1.07	1.11	1.13		# of strides	4.20	3.10	3.23
wind	0.0 m/s	velocity	5.03	8.70	9.43	9.62	9.80	9.62	9.52	9.35	9.01	8.85	8.58		7.14	9.68	9.29
Heat 1 - 2006 Mikio Oda Memorial (Hiroshima, JPN) <i>Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system</i>																	
date	29-Apr-06	time	1.99	3.15	4.21	5.25	6.27	7.29	8.33	9.38	10.47	11.59	11.59	/ 1			
reaction time		interval		1.16	1.06	1.04	1.02	1.02	1.04	1.05	1.09	1.12		# of strides	4.21	3.08	3.18
wind	2.5 m/s	velocity	5.03	8.62	9.43	9.62	9.80	9.80	9.62	9.52	9.17	8.93	8.63		7.13	9.74	9.43
Kloster, Line (NOR) (1990) <i>Omega Timing (2023) - diamond league race analysis</i>																	
National B FINAL - 2023 Weltklasse (Zürich, SUI)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	31-Aug-23	time	2.09	3.28	4.34	5.37	6.39	7.39	8.41	9.44	10.50	11.58	11.58	7 / 2			
reaction time	0.147	interval		1.19	1.06	1.03	1.02	1.00	1.02	1.03	1.06	1.08		# of strides	4.34	3.05	3.11
wind	-0.2 m/s	velocity	4.78	8.40	9.43	9.71	9.80	10.00	9.80	9.71	9.43	9.26	8.64		6.91	9.84	9.65
Klüft, Carolina (SWE) (1983) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>																	
FINAL - 2010 Windsprint (Sundsvall, SWE)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	08-Aug-10	time			4.40			7.49		9.54		11.68	11.68	/ 4			
reaction time		interval						3.09		2.05		2.14		# of strides	4.40	3.09	
wind	2.4 m/s	velocity			6.82			9.71		9.76		9.35	8.56		6.82	9.71	
Knight, Bianca (USA) (1989) <i>USATF Women's Sprint Development with HPC (2008)</i>																	
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	28-Jun-08	time	2.14	3.22	4.24	5.24	6.16	7.14	8.08	9.06	10.11	11.09	11.09	7 / 5			
reaction time		interval		1.08	1.02	1.00	0.92	0.98	0.94	0.98	1.05	0.98		# of strides	4.24	2.90	2.97
wind	3.2 m/s	velocity	4.67	9.26	9.80	10.00	10.87	10.20	10.64	10.20	9.52	10.20	9.02	50.2	7.08	10.34	10.10
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>																	
date	27-Jun-08	time	2.14	3.24	4.23	5.22	6.16	7.12	8.13	9.07	10.07	11.07	11.07	5 / 4			
reaction time		interval		1.10	0.99	0.99	0.94	0.96	1.01	0.94	1.00	1.00	PB	# of strides	4.23	2.89	2.95
wind	0.7 m/s	velocity	4.67	9.09	10.10	10.10	10.64	10.42	9.90	10.64	10.00	10.00	9.03		7.09	10.38	10.17
Heat 4 - 2008 USA Olympic Trials (Eugene, OR) <i>USATF Women's Sprint Development with HPC (2008)</i>																	
date	27-Jun-08	time	2.10	3.21	4.22	5.22	6.18	7.15	8.13	9.09	10.08	11.11	11.11	6 / 2			
reaction time		interval		1.11	1.01	1.00	0.96	0.97	0.98	0.96	0.99	1.03	=PB	# of strides	4.22	2.93	2.93
wind	1.4 m/s	velocity	4.76	9.01	9.90	10.00	10.42	10.31	10.20	10.42	10.10	9.71	9.00		7.11	10.24	10.24
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN) <i>USATF Women's Sprint Development (2006)</i>																	
date	22-Jun-06	time	2.14	3.27	4.30	5.27	6.24	7.23	8.19	9.21	10.23	11.26	11.26	2 / 4			
reaction time		interval		1.13	1.03	0.97	0.97	0.99	0.96	1.02	1.02	1.03	PB	# of strides	4.30	2.93	3.00
wind	1.2 m/s	velocity	4.67	8.85	9.71	10.31	10.31	10.10	10.42	9.80	9.80	9.71	8.88		6.98	10.24	10.00
FINAL - 2005 USATF National Junior Championships (Carson, CA) <i>USATF Women's Sprint Development (2005)</i>																	
date	23-Jun-05	time	2.16	3.35	4.44	5.51	6.54	7.62	8.66	9.73	10.82	11.92	11.92	4 / 6			
reaction time		interval		1.19	1.09	1.07	1.03	1.08	1.04	1.07	1.09	1.10		# of strides	4.44	3.18	3.20
wind	-1.1 m/s	velocity	4.63	8.40	9.17	9.35	9.71	9.26	9.62	9.35	9.17	9.09	8.39		6.76	9.43	9.38
Kobari, Akiha (JPN) (2006) <i>Kishima (2022) - national high school championships biomechanics data collection</i>																	
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	04-Aug-22	time	2.11	3.29	4.38	5.43	6.47	7.52	8.58	9.66	10.76	11.88	11.88	6 / 2			
reaction time	0.143	interval		1.18	1.09	1.05	1.04	1.05	1.06	1.08	1.10	1.12		# of strides	4.38	3.14	3.24
wind	-0.6 m/s	velocity	4.74	8.47	9.17	9.52	9.62	9.52	9.43	9.26	9.09	8.93	8.42	54.4	6.85	9.55	9.26
Kobiánová, Kristyna (CZE) (1995) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																	
FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	28-Jun-14	time	2.19	3.40	4.53	5.62	6.71	7.81	8.93	10.05	11.22	12.44	12.44	6 / 2			
reaction time	0.189	interval		1.21	1.13	1.09	1.09	1.10	1.12	1.12	1.17	1.22		# of strides	4.53	3.28	3.41
wind	-4.5 m/s	velocity	4.57	8.26	8.85	9.17	9.17	9.09	8.93	8.93	8.55	8.20	8.04		6.62	9.15	8.80
Heat 2 - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																	
date	28-Jun-14	time		3.40		5.64		7.85		10.10		12.44	12.44	4 / 1			
reaction time	0.186	interval				2.24		2.21		2.25		2.34		# of strides			
wind	-3.2 m/s	velocity		5.88		8.93		9.05		8.89		8.55	8.04				

Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

date	25-Feb-12	time	2.14	3.38	4.47	5.56	6.63	7.73										
reaction time	0.152	interval		1.24	1.09	1.09	1.07	1.10										
		velocity	4.67	8.06	9.17	9.17	9.35	9.09										

Feher (2012) - Czech Republic indoor national championships - women's 60m

7.73	6 / 5																	
	# of strides	4.47	3.26															
7.76		6.71	9.20															

Heat 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

date	25-Feb-12	time	2.11	3.31	4.47	5.57	6.63	7.70										
reaction time	0.154	interval		1.20	1.16	1.10	1.06	1.07										
		velocity	4.74	8.33	8.62	9.09	9.43	9.35										

Feher (2012) - Czech Republic indoor national championships - women's 60m

7.70	3 / 3																	
	# of strides	4.47	3.23															
7.79		6.71	9.29															

Koch, Marita (GDR) (1957)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1983 IAAF World Championships (Helsinki, FIN)															
date	08-Aug-83	time	3.08	4.11	5.09	6.06	7.02	7.99	8.97	11.02	11.02	4 / 2			
reaction time	0.172	interval		1.03	0.98	0.97	0.96	0.97	0.98	2.05		# of strides	4.11	2.91	
wind	-0.5 m/s	velocity	6.49	9.71	10.20	10.31	10.42	10.31	10.20	9.76	9.07	51.0	7.30	10.31	

A FINAL - 1983 Olympischen Tag (East Berlin, GDR)

date	08-Jun-83	time		4.11		6.97		8.88		10.83	10.83	/ 2			
reaction time		interval				2.86		1.91		1.95	PB	# of strides	4.11	2.86	
wind	1.7 m/s	velocity		7.30		10.49		10.47		10.26	9.23		7.30	10.49	

*Tepper (1989) - zum entwicklungsstand und zum trainingssysteme des ddr-frauenkurzsprints***Kodama, Mei (JPN) (1999)**

FINAL - 2020 Japanese National Championships (Niigata, JPN)										Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions							
date	02-Oct-20	time	2.03	3.19	4.25	5.26	6.26	7.26	8.26	9.27	10.30	11.36	11.36	4 / 1			
reaction time	0.147	interval		1.16	1.06	1.01	1.00	1.00	1.00	1.01	1.03	1.06		# of strides	4.25	3.01	3.04
wind	0.5 m/s	velocity	4.93	8.62	9.43	9.90	10.00	10.00	10.00	9.90	9.71	9.43	8.80		7.06	9.97	9.87

FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)

date	23-Aug-20	time	2.03	3.22	4.31	5.35	6.37	7.40	8.43	9.47	10.53	11.62	11.62	9 / 1			
reaction time	0.131	interval		1.19	1.09	1.04	1.02	1.03	1.03	1.04	1.06	1.09	PB	# of strides	4.31	3.09	3.13
wind	-0.9 m/s	velocity	4.93	8.40	9.17	9.62	9.80	9.71	9.71	9.62	9.43	9.17	8.61		6.96	9.71	9.58

*Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions***FINAL - 2019 Japanese National Championships (Fukuoka, JPN)**

date	28-Jun-19	time	2.07	3.26	4.35	5.40	6.43	7.47	8.51	9.57	10.64	11.74	11.74	8 / 4			
reaction time	0.148	interval		1.19	1.09	1.05	1.03	1.04	1.04	1.06	1.07	1.10	PB	# of strides	4.35	3.12	3.17
wind	0.6 m/s	velocity	4.83	8.40	9.17	9.52	9.71	9.62	9.62	9.43	9.35	9.09	8.52	51.7	6.90	9.62	9.46

*Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan***FINAL - 2017 Japanese U20 National Championships (Nagoya, JPN)**

date	20-Oct-17	time	2.10	3.29	4.38	5.43	6.47	7.51	8.55	9.60	10.68	11.77	11.77	7 / 2			
reaction time		interval		1.19	1.09	1.05	1.04	1.04	1.04	1.05	1.08	1.09		# of strides	4.38	3.13	3.17
wind	0.3 m/s	velocity	4.76	8.40	9.17	9.52	9.62	9.62	9.62	9.52	9.26	9.17	8.50		6.85	9.58	9.46

*Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions***FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)**

date	30-Jul-17	time		4.40		7.60				10.88	12.02	12.02	5 / 1			
reaction time	0.157	interval				3.20				3.28	1.14		# of strides	4.40	3.20	3.28
wind	-3.0 m/s	velocity		6.82		9.38				9.15	8.77	8.32		6.82	9.38	9.15

*Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data***Kodera, Misaki (JPN) (1995)**

Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season																		
Semi-Final 3 - 2017 National Sports Festival (Matsuyama, JPN)																		
date	07-Oct-17	time	2.11	3.30	4.38	5.45	6.50	7.55	8.60	9.65	10.72	11.81	11.81	/ 2				
reaction time	0.153	interval		1.19	1.08	1.07	1.05	1.05	1.05	1.05	1.07	1.09	PB	# of strides	4.38	3.17	3.17	
wind	0.7 m/s	velocity	4.74	8.40	9.26	9.35	9.52	9.52	9.52	9.52	9.35	9.17	8.47		53.0	6.85	9.46	9.46

*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season***Köhler, Karoline (GER) (1984)**

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 Sparkassen-Gala (Regensburg, GER)															
date	05-Jun-10	time	3.29	4.34	5.36	7.43		9.54		11.71	11.71	/ 7			
reaction time		interval		1.05	1.02	2.07		2.11		2.17		# of strides	4.34	3.09	
wind	-0.4 m/s	velocity	6.08	9.52	9.80	9.66		9.48		9.22	8.54		6.91	9.71	

*Graubner (2010) - <http://www.fgs.uni-halle.de>***Koklóni, Yeoryía (GRE) (1981)**

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 1 - 2002 European Championships (Munich, GER)															
date	07-Aug-02	time	3.17	4.22	5.23	7.25		9.30		11.44	11.44	/ 5			
reaction time	0.147	interval		1.05	1.01	2.02		2.05		2.14		# of strides	4.22	3.03	
wind	0.0 m/s	velocity	6.31	9.52	9.90	9.90		9.76		9.35	8.74		7.11	9.90	

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

date	06-Aug-02	time	3.21	4.26	5.28	7.30		9.37		11.51	11.51	/ 2			
reaction time	0.154	interval		1.05	1.02	2.02		2.07		2.14		# of strides	4.26	3.04	
wind	0.7 m/s	velocity	6.23	9.52	9.80	9.90		9.66		9.35	8.69		7.04	9.87	

*Graubner (2009) - <http://www.fgs.uni-halle.de>***Kölsch, Janina (GER) (1991)**

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 German National Junior Championships (Ulm, GER)															

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

date	06-Aug-10	time	3.45	4.55	5.61	7.72	9.88	12.07	12.07	/ 4							
reaction time		interval		1.10	1.06	2.11	2.16	2.19		# of strides		4.55	3.17				
wind	0.4 m/s	velocity	5.80	9.09	9.43	9.48	9.26	9.13	8.29			6.59	9.46				
Komatsu, Konomi (JPN) (2004)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)																	
Kishima (2022) - national high school championships biomechanics data collection																	
date	04-Aug-22	time	2.09	3.29	4.39	5.46	6.53	7.60	8.69	9.78	10.90	12.03	12.03	4 / 4			
reaction time	0.165	interval		1.20	1.10	1.07	1.07	1.07	1.09	1.09	1.12	1.13	# of strides		4.39	3.21	3.30
wind	-0.6 m/s	velocity	4.78	8.33	9.09	9.35	9.35	9.35	9.17	9.17	8.93	8.85	8.31	55.0	6.83	9.35	9.09
Koné, Maboundou (CIV) (1997)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2023 FBK Games (Hengelo, NED)																	
Omega Timing (2023) - continental tour race analysis																	
date	04-Jun-23	time	2.01	3.16	4.20	5.20	6.20	7.18	8.18	9.20	10.22	11.30	11.30	9 / 6			
reaction time		interval		1.15	1.04	1.00	1.00	0.98	1.00	1.02	1.02	1.08	# of strides		4.20	2.98	3.04
wind	-0.1 m/s	velocity	4.98	8.70	9.62	10.00	10.00	10.20	10.00	9.80	9.80	9.26	8.85	51.0	7.14	10.07	9.87
Kondratyeva, Lyudmila (URS) (1958)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)																	
Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988																	
date	25-Sep-88	time	2.05	3.16	4.21	5.20	6.18	7.16	8.15	9.16	10.18	11.21	11.21	7 / 7			
reaction time	0.166	interval		1.11	1.05	0.99	0.98	0.98	0.99	1.01	1.02	1.03	# of strides		4.21	2.95	3.02
wind	0.5 m/s	velocity	4.88	9.01	9.52	10.10	10.20	10.20	10.10	9.90	9.80	9.71	8.92		7.13	10.17	9.93
FINAL - 1980 Olympic Games (Moscow, URS)																	
Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016																	
date	26-Jul-80	time					7.11				11.06	11.06	5 / 1				
reaction time	0.155	interval									3.95		# of strides				
wind	1.0 m/s	velocity					8.44				10.13	9.04	51.2				
Kora, Salomé (SUI) (1994)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
National FINAL - 2023 Weltklasse (Zürich, SUI)																	
Omega Timing (2023) - diamond league race analysis																	
date	31-Aug-23	time	2.09	3.25	4.30	5.32	6.32	7.31	8.31	9.33	10.36	11.42	11.42	4 / 5			
reaction time	0.153	interval		1.16	1.05	1.02	1.00	0.99	1.00	1.02	1.03	1.06	# of strides		4.30	3.01	3.05
wind	-0.1 m/s	velocity	4.78	8.62	9.52	9.80	10.00	10.10	10.00	9.80	9.71	9.43	8.76		6.98	9.97	9.84
B FINAL - Heat 1 - 2022 Athletissima (Lausanne, SUI)																	
Omega Timing (2022) - diamond league race analysis																	
date	26-Aug-22	time		3.2		5.3		7.3		9.3		11.46	11.46	3 / 3			
reaction time	0.136	interval				2.10		2.00		2.00		2.16	# of strides				
wind	-0.3 m/s	velocity		6.25		9.52		10.00		10.00		9.26	8.73				
FINAL - 2022 FBK Games (Hengelo, NED)																	
Omega Timing (2022) - continental tour race analysis																	
date	06-Jun-22	time		3.2		5.3		7.3		9.4		11.53	11.53	2 / 7			
reaction time	0.126	interval				2.10		2.00		2.10		2.13	# of strides				
wind	0.8 m/s	velocity		6.25		9.52		10.00		9.52		9.39	8.67	52.0			
B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI)																	
Omega Timing (2021) - diamond league race analysis																	
date	26-Aug-21	time		3.3		5.3		7.2		9.1		11.12	11.12	5 / 2			
reaction time	0.155	interval				2.00		1.90		1.90		2.02	# of strides				
wind	2.7 m/s	velocity		6.06		10.00		10.53		10.53		9.90	8.99				
National FINAL - 2021 Bauhaus Galan (Stockholm, SWE)																	
Omega Timing (2021) - diamond league race analysis																	
date	04-Jul-21	time		3.2		5.3		7.3		9.3		11.31	11.31	6 / 2			
reaction time	0.137	interval				2.10		2.00		2.00		2.01	# of strides				
wind	-1.3 m/s	velocity		6.25		9.52		10.00		10.00		9.95	8.84	51.2			
FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)																	
Swiss Athletics (2016) - sprint and hurdle analysis																	
date	21-May-16	time				6.49						11.76	11.76	/ 1			
reaction time		interval										5.27	# of strides				
wind	-1.8m/s	velocity				7.70						9.49	8.50				
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI)																	
Swiss Athletics (2016) - sprint and hurdle analysis																	
date	07-May-16	time				6.34						11.49	11.49	/ 1			
reaction time		interval										5.15	PB	# of strides			
wind	0.4 m/s	velocity				7.89						9.71	8.70				
FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)																	
Swiss Athletics (2016) - sprint and hurdle analysis																	
date	27-Feb-16	time		4.38			7.39					7.39	/ 2				
reaction time		interval					3.01					PB	# of strides		4.38	3.01	
		velocity		6.85			9.97					8.12	32.9		6.85	9.97	
Semi-Final 1 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)																	
Swiss Athletics (2016) - sprint and hurdle analysis																	
date	27-Feb-16	time		4.42			7.47					7.47	/ 1				
reaction time		interval					3.05						# of strides		4.42	3.05	
		velocity		6.79			9.84					8.03			6.79	9.84	

Kouni, Natacha (SUI) (2001)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - Heat 1 - 2022 Athletissima (Lausanne, SUI)													Omega Timing (2022) - diamond league race analysis				
date	26-Aug-22	time											11.81	11.81		5 / 6	
reaction time	0.153	interval											2.31			# of strides	
wind	-0.3 m/s	velocity											8.66	8.47			
B FINAL - Heat 2 - 2021 Athletissima (Lausanne, SUI)													Omega Timing (2021) - diamond league race analysis				
date	26-Aug-21	time											11.71	11.71		6 / 5	
reaction time	0.171	interval											2.11			# of strides	
wind	1.2 m/s	velocity											9.48	8.54			
Krabbe, Katrin (GER) (1969)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1991 IAAF World Championships (Tokyo, JPN)													Butler (2013) - IAAF world championships statistics handbook- moscow 2013				
date	27-Aug-91	time											10.99	10.99		3 / 1	
reaction time	0.157	interval											4.92			# of strides	
wind	-3.0 m/s	velocity											10.16	9.10		47.7	
FINAL - 1991 European Cup (Frankfurt, GER)													Federle (2003) - http://www.fgs.uni-halle.de				
date	29-Jun-91	time											11.45	11.45		/ 2	
reaction time		interval											2.13			# of strides	4.20 3.05
wind	-2.7 m/s	velocity											9.39	8.73		7.14	9.84
Kramer, Mathilde (DEN) (1993)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Memorial Van Damme (Brussels, BEL)													Omega Timing (2020) - diamond league race analysis				
date	04-Sep-20	time											11.58	11.58		8 / 4	
reaction time	0.137	interval											2.08			# of strides	
wind	0.2 m/s	velocity											9.62	8.64		48.7	
Krnoulová, Barbora (CZE) (1993)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)													Feher (2013) - Final report from the men's & women's Czech Republic national championships				
date	15-Jun-13	time											12.27	12.27		2 / 5	
reaction time	0.145	interval											2.32			# of strides	
wind	-1.1 m/s	velocity											8.62	8.15			
Kronlund, Louise (SWE) (1990)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2009 Windsprint (Sundsvall, SWE)													(2009) - www.ssg.se/en/Windsprint/Split-times/				
date	25-Jul-09	time											12.07	12.07		/ 1	
reaction time		interval											2.17			# of strides	4.61 3.21
wind	2.5 m/s	velocity											9.22	8.29		6.51	9.35
Kubicová, Zuzana (CZE) (1989)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)													Feher (2013) - Final report from the men's & women's Czech Republic national championships				
date	15-Jun-13	time											12.73	12.73		8 / 7	
reaction time	0.262	interval											2.43			# of strides	
wind	-1.1 m/s	velocity											8.23	7.86			
Kubištová, Anežka (CZE) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2014 Czech Republic National U20 Championships (Trinec, CZE)													Feher (2014) - Final report from the U18 & U20 Czech Republic national championships				
date	28-Jun-14	time											13.03	13.03		6 / 4	
reaction time	0.245	interval											2.40			# of strides	
wind	-3.2 m/s	velocity											8.33	7.67			
Kuboyama, Hana (JPN)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2018 National Sports Festival (Fukui, JPN)													Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan				
date	06-Oct-18	time											12.24	12.24		7 / 2	
reaction time	0.133	interval														# of strides	4.47 3.29 3.34
wind	-2.8 m/s	velocity											8.17			54.5	6.71 9.12 8.98
Kuboyama, Haruna (JPN) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)													Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions				
date	19-Sep-20	time											11.95	11.95		/ 1	
reaction time		interval														# of strides	4.35 3.19 3.27
wind	-0.7 m/s	velocity											8.37			6.90	9.40 9.17
Kudura, Djemine (BEL) (2007)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)													Omega Timing (2023) - diamond league race analysis				
date	08-Sep-23	time											11.92	11.92		4 / 1	
reaction time	0.138	interval														# of strides	4.31 3.17 3.28
wind	0.4 m/s	velocity											8.39			6.96	9.46 9.15
Kurahasi, Kiho (JPN) (2004)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m

FINAL - 2021 Japanese High School National Championships (Fukui, JPN)															
date	29-Jul-21	time	2.12	3.32	4.41	5.46	6.49	7.52	8.56	9.61	10.68	11.76	11.76	2 / 3	
reaction time	0.143	interval		1.20	1.09	1.05	1.03	1.03	1.04	1.05	1.07	1.08	PB	# of strides	4.41 3.11 3.16
wind	-0.2 m/s	velocity	4.72	8.33	9.17	9.52	9.71	9.71	9.62	9.52	9.35	9.26	8.50	49.0	6.80 9.65 9.49
Kurahashi, Miho (JPN) (2004)															
U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)															
date	04-Oct-19	time		4.50		6.68						12.28	12.28	2 / 4	
reaction time	0.159	interval				2.18						5.60		# of strides	4.50
wind	-1.8 m/s	velocity		6.67		2.99						8.93	8.14	55.0	6.67
Kurashige, Miu (JPN) (2004)															
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)															
date	04-Aug-22	time	2.01	3.17	4.25	5.30	6.36	7.42	8.50	9.60	10.71	11.85	11.85	5 / 1	
reaction time	0.103	interval		1.16	1.08	1.05	1.06	1.06	1.08	1.10	1.11	1.14		# of strides	4.25 3.17 3.29
wind	-0.6 m/s	velocity	4.98	8.62	9.26	9.52	9.43	9.43	9.26	9.09	9.01	8.77	8.44	52.0	7.06 9.46 9.12
Kurimoto, Kayoko (JPN) (1984)															
B FINAL - 2008 Mikio Oda Memorial (Hiroshima, JPN)															
date	29-Apr-08	time	2.10	3.30	4.39	5.44	6.49	7.54	8.61	9.70	10.81	11.94	11.94	/ 3	
reaction time		interval		1.20	1.09	1.05	1.05	1.05	1.07	1.09	1.11	1.13		# of strides	4.39 3.15 3.27
wind	1.5 m/s	velocity	4.76	8.33	9.17	9.52	9.52	9.52	9.35	9.17	9.01	8.85	8.38	6.83	9.52 9.17
Kwadwo, Yasmin (GER) (1990)															
Heat 3 - 2010 Sparkassen-Gala (Regensburg, GER)															
date	05-Jun-10	time		3.17	4.21	5.21		7.22		9.29		11.41	11.41	/ 1	
reaction time		interval			1.04	1.00		2.01		2.07		2.12		# of strides	4.21 3.01
wind	-0.7 m/s	velocity		6.31	9.62	10.00		9.95		9.66		9.43	8.76	7.13	9.97
Lalova-Collio, Ivet (BUL) (1984)															
FINAL - 2020 Bauhaus Galan (Stockholm, SWE)															
date	23-Aug-20	time		3.3		5.4		7.4		9.4		11.49	11.49	2 / 7	
reaction time	0.148	interval				2.10		2.00		2.00		2.09		# of strides	
wind	1.3 m/s	velocity		6.06		9.52		10.00		10.00		9.57	8.70	51.0	
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)															
date	21-May-17	time	2.04	3.22	4.28	5.31	6.33	7.34	8.34	9.34	10.36	11.40	11.40	/ 1	
reaction time	0.171	interval		1.18	1.06	1.03	1.02	1.01	1.00	1.00	1.02	1.04		# of strides	4.28 3.06 3.02
wind	0.8 m/s	velocity	4.90	8.47	9.43	9.71	9.80	9.90	10.00	10.00	9.80	9.62	8.77	50.5	7.01 9.80 9.93
Lalova, Ivet (BUL) (1984)															
FINAL - 2013 European Indoor Championships (Göteborg, SWE)															
date	03-Mar-13	time		3.13		5.16		7.12				7.12		6 / 4	
reaction time	0.152	interval				2.03		1.96				PB		# of strides	
		velocity		6.39		9.85		10.20				8.43		32.0	
FINAL - 2011 IAAF World Championships (Daegu, KOR)															
date	29-Aug-11	time		3.14	4.22	5.23	6.24	7.21	8.19	9.16	10.18	11.27	11.27	1 / 7	
reaction time	0.156	interval			1.08	1.01	1.01	0.97	0.98	0.97	1.02	1.09		# of strides	4.22 2.99 2.96
wind	-1.4 m/s	velocity		6.37	9.26	9.90	9.90	10.31	10.20	10.31	9.80	9.17	8.87	50.0	7.11 10.03 10.14
Heat 2 - 2009 IAAF World Championships (Berlin, GER)															
date	16-Aug-09	time		3.23	4.29	5.32		7.36		9.38		11.48	11.48	3 / 3	
reaction time	0.141	interval			1.06	1.03		2.04		2.02		2.10		# of strides	4.29 3.07
wind	-0.3 m/s	velocity		6.19	9.43	9.71		9.80		9.90		9.52	8.71	6.99	9.77
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)															
date	23-Sep-07	time		3.24	4.30	5.33		7.38		9.45		11.59	11.59	2 / 7	
reaction time	0.130	interval			1.06	1.03		2.05		2.07		2.14		# of strides	4.30 3.08
wind	-0.6 m/s	velocity		6.17	9.43	9.71		9.76		9.66		9.35	8.63	6.98	9.74
Lansiquot, Imani (GBR) (1997)															
FINAL - 2023 Prefontaine Classic (Eugene, OR)															
date	16-Sep-23	time	2.07	3.21	4.24	5.22	6.17	7.12	8.08	9.04	10.01	11.01	11.01	9 / 8	
reaction time	0.165	interval		1.14	1.03	0.98	0.95	0.95	0.96	0.96	0.97	1.00		# of strides	4.24 2.88 2.89
wind	0.8 m/s	velocity	4.83	8.77	9.71	10.20	10.53	10.53	10.42	10.42	10.31	10.00	9.08	47.0	7.08 10.42 10.38
FINAL - 2023 Athletissima (Lausanne, SUI)															
date	30-Jun-23	time	2.03	3.18	4.24	5.24	6.22	7.20	8.18	9.17	10.19	11.24	11.24	8 / 6	
reaction time	0.136	interval		1.15	1.06	1.00	0.98	0.98	0.98	0.99	1.02	1.05		# of strides	4.24 2.96 2.99
wind	-0.8 m/s	velocity	4.93	8.70	9.43	10.00	10.20	10.20	10.20	10.10	9.80	9.52	8.90	48.0	7.08 10.14 10.03
FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)															

date	02-Jun-23	time	2.00	3.15	4.19	5.18	6.16	7.13	8.11	9.10	10.11	11.16	11.16	1 / 3			
reaction time	0.150	interval		1.15	1.04	0.99	0.98	0.97	0.98	0.99	1.01	1.05		# of strides	4.19	2.94	2.98
wind	-0.4 m/s	velocity	5.00	8.70	9.62	10.10	10.20	10.31	10.20	10.10	9.90	9.52	8.96	48.0	7.16	10.20	10.07
FINAL - 2022 FBK Games (Hengelo, NED)														<i>Omega Timing (2022) - continental tour race analysis</i>			
date	06-Jun-22	time		3.2		5.2		7.2		9.2		11.26	11.26	3 / 3			
reaction time	0.120	interval				2.00		2.00		2.00		2.06		# of strides			
wind	0.8 m/s	velocity		6.25		10.00		10.00		10.00		9.71	8.88	47.5			
B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI)														<i>Omega Timing (2021) - diamond league race analysis</i>			
date	26-Aug-21	time		3.3		5.3		7.2		9.2		11.19	11.19	4 / 3			
reaction time	0.149	interval				2.00		1.90		2.00		1.99		# of strides			
wind	2.7 m/s	velocity		6.06		10.00		10.53		10.00		10.05	8.94				
FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)														<i>Omega Timing (2020) - diamond league race analysis</i>			
date	17-Sep-20	time		3.2		5.3		7.2		9.2		11.23	11.23	2 / 5			
reaction time	0.143	interval				2.10		1.90		2.00		2.03		# of strides			
wind	0.2 m/s	velocity		6.25		9.52		10.53		10.00		9.85	8.90	47.5			
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)														<i>European Athletics (2019) - race analysis</i>			
date	09-Sep-19	time					6.43					11.49	11.49	5 / 4			
reaction time	0.160	interval										5.06		# of strides			
wind	-0.8 m/s	velocity					7.78					9.88	8.70	48.2			
Lapsley, Andriane (USA) (1983)																	
Semi-Final 2 - 2005 USATF National Championships (Carson, CA)														<i>USATF Women's Sprint Development (2005)</i>			
date	25-Jun-05	time	2.14	3.29	4.33	5.36	6.39	7.39	8.39	9.44	10.48	11.55	11.55	2 / 8			
reaction time		interval		1.15	1.04	1.03	1.03	1.00	1.00	1.05	1.04	1.07		# of strides	4.33	3.06	3.09
wind	2.1 m/s	velocity	4.67	8.70	9.62	9.71	9.71	10.00	10.00	9.52	9.62	9.35	8.66		6.93	9.80	9.71
Heat 2 - 2005 USATF National Championships (Carson, CA)														<i>USATF Women's Sprint Development (2005)</i>			
date	24-Jun-05	time	2.15	3.29	4.39	5.43	6.44	7.47	8.51	9.56	10.66	11.74	11.74	5 / 6			
reaction time		interval		1.14	1.10	1.04	1.01	1.03	1.04	1.05	1.10	1.08		# of strides	4.39	3.08	3.19
wind	-0.7 m/s	velocity	4.65	8.77	9.09	9.62	9.90	9.71	9.62	9.52	9.09	9.26	8.52		6.83	9.74	9.40
Larsson, Caroline (SWE) (1993)																	
B FINAL - 2015 Windsprint (Sundsvall, SWE)														<i>(2015) - www.windsprint/Splittider/</i>			
date	26-Jul-15	time		4.53				7.66		9.82		12.05	12.05	5 / 3			
reaction time		interval						3.13		2.16		2.23		# of strides	4.53	3.13	
wind	2.1 m/s	velocity		6.62				9.58		9.26		8.97	8.30		6.62	9.58	
Larsson, Frida (SWE) (1992)																	
C FINAL - 2009 Windsprint (Sundsvall, SWE)														<i>(2009) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	25-Jul-09	time		4.72				8.12		10.40		12.81	12.81	1 / 4			
reaction time		interval						3.40		2.28		2.41		# of strides	4.72	3.40	
wind	0.9 m/s	velocity		6.36				8.82		8.77		8.30	7.81		6.36	8.82	
Latimer, Aleisha (USA) (1979)																	
FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)														<i>Winckler (2008) - running parameters</i>			
date	06-Mar-99	time		4.37				7.46					7.46	8 / 7			
reaction time		interval						3.09						# of strides	4.37	3.09	
		velocity		6.86				9.71					8.04	30.5	6.86	9.71	
Laurent, Anyssa (BEL) (2006)																	
U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)														<i>Omega Timing (2023) - diamond league race analysis</i>			
date	08-Sep-23	time	2.21	3.45	4.58	5.67	6.77	7.86	8.97	10.10	11.26	12.52	12.52	7 / 8			
reaction time	0.175	interval		1.24	1.13	1.09	1.10	1.09	1.11	1.13	1.16	1.26		# of strides	4.58	3.28	3.40
wind	0.4 m/s	velocity	4.52	8.06	8.85	9.17	9.09	9.17	9.01	8.85	8.62	7.94	7.99		6.55	9.15	8.82
Latvala, Hanna-Maari (FIN) (1987)																	
A FINAL - 2015 Windsprint (Sundsvall, SWE)														<i>(2015) - www.windsprint/Splittider/</i>			
date	26-Jul-15	time		4.42				7.54		9.64		11.81	11.81	5 / 2			
reaction time		interval						3.12		2.10		2.17		# of strides	4.42	3.12	
wind	0.9 m/s	velocity		6.79				9.62		9.52		9.22	8.47		6.79	9.62	
Lawrence, Tayna (JAM) (1975)																	
FINAL - 2000 Olympic Games (Sydney, AUS)														<i>Veney - Sydney 100m women's splits</i>			
date	24-Sep-00	time		3.97		6.08	7.12	8.15		10.15	11.18		11.18	1 / 3 2			
reaction time	0.163	interval				2.11	1.04	1.03		2.00	1.03			# of strides	3.97	3.15	3.03
wind	-0.4 m/s	velocity		7.56		9.48	9.62	9.71		10.00	9.71		8.94		7.56	9.52	9.90
FINAL - 2000 ISTAF (Berlin, GER)														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			

date	01-Sep-00	time	3.11	4.14	5.14	7.11	11.07	11.07	/ → 2		
reaction time	0.185	interval		1.03	1.00	1.97	3.96	PB	# of strides	4.14	2.97
wind	0.1 m/s	velocity	6.43	9.71	10.00	10.15	10.10	9.03		7.25	10.10

FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)

date	06-Mar-99	time	4.27			7.31		7.31	<i>Winckler (2008) - running parameters</i>		
reaction time		interval				3.04			5 / 3		
		velocity	7.03			9.87		8.21	# of strides	4.27	3.04
										7.03	9.87

Layne, Lynne (USA) (1988)

Alyne, Lynne (USA) (1988)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)												USATF Women's Sprint Development with HPC (2008)					
date	27-Jun-08	time	2.07	3.20	4.23	5.21	6.19	7.19	8.16	9.21	10.19	11.27	11.27	1 / 7			
reaction time		interval		1.13	1.03	0.98	0.98	1.00	0.97	1.05	0.98	1.08		# of strides	4.23	2.96	3.00
wind	3.4 m/s	velocity	4.83	8.85	9.71	10.20	10.20	10.00	10.31	9.52	10.20	9.26	8.87		7.09	10.14	10.00

Heat 2 - 2008 USA Olympic Trials (Eugene, OR)

Heat 2 - 2008 USA Olympic Trials (Eugene, OR)												USATF Women's Sprint Development with HPC (2008)					
date	27-Jun-08	time	2.08	3.21	4.19	5.18	6.16	7.16	8.11	9.14	10.21	11.18	11.18	2 / 3			
reaction time		interval		1.13	0.98	0.99	0.98	1.00	0.95	1.03	1.07	0.97		# of strides	4.19	2.97	3.05
wind	3.5 m/s	velocity	4.81	8.85	10.20	10.10	10.20	10.00	10.53	9.71	9.35	10.31	8.94		7.16	10.10	9.84

Leconte, Mallory (FRA) (2000)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<i>Omega Timing (2022) - diamond league race analysis</i>															
B FINAL - Heat 1 - 2022 Athletissima (Lausanne, SUI)															
date	26-Aug-22	time	3.2		5.3		7.4		9.4		11.58	11.58	2 / 5		
reaction time	0.156	interval			2.10		2.10		2.00		2.18		# of strides		
wind	-0.3 m/s	velocity	6.25		9.52		9.52		10.00		9.17	8.64			

Lee, Muna (USA) (1981)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<i>(2013) - www.ssg.se/windsprint/Splittider/</i>															
A FINAL - 2013 Windsprint (Sundsvall, SWE)															
date	28-Jul-13	time		4.26		7.21		9.18		11.19	11.19	2 / 3			
reaction time		interval				2.95		1.97		2.01		# of strides	4.26	2.95	
wind	2.2 m/s	velocity		7.04		10.17		10.15		9.95	8.94		7.04	10.17	

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

<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>															
date	17-Aug-09	time	3.21	4.24	5.24		7.21		9.16		11.18	11.18	8 / 5		
reaction time	0.179	interval		1.03	1.00		1.97		1.95		2.02		# of strides	4.24	2.97
wind	-0.1 m/s	velocity	6.23	9.71	10.00		10.15		10.26		9.90	8.94		7.08	10.10

Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)

Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)										Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
date	16-Aug-09	time	3.18	4.20	5.19	7.14	9.08	11.13	11.13	3 / 3						
reaction time	0.190	interval		1.02	0.99	1.95	1.94	2.05		# of strides	4.20	2.94				
wind	0.1 m/s	velocity	6.29	9.80	10.10	10.26	10.31	9.76	8.98	47.0	7.14	10.20				

Heat 9 - 2009 IAAF World Championships (Berlin, GER)

<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>															
date	16-Aug-09	time	3.23	4.29	5.31		7.37		9.38		11.44	11.44	5 / 2		
reaction time	0.194	interval		1.06	1.02		2.06		2.01		2.06		# of strides	4.29	3.08
wind	-0.5 m/s	velocity	6.19	9.43	9.80		9.71		9.95		9.71	8.74		6.99	9.74

FINAL - 2008 USA Olympic Trials (Eugene, OR)

FINAL - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)					
date	28-Jun-08	time	2.07	3.15	4.14	5.15	6.07	6.98	7.94	8.89	9.84	10.85	10.85	3 / 1				
reaction time		interval		1.08	0.99	1.01	0.92	0.91	0.96	0.95	0.95	1.01	PB	# of strides	4.14	2.84	2.86	
wind	1.0 m/s	velocity	4.83	9.26	10.10	9.90	10.87	10.99	10.42	10.53	10.53	9.90	9.22	47.0	7.25	10.56	10.49	

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

Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)												USATF Women's Sprint Development with HPC (2008)						
date	28-Jun-08	time	2.09	3.17	4.15	5.18	6.10	7.04	7.94	8.93	9.88	10.91	10.91	3 / 2				
reaction time		interval		1.08	0.98	1.03	0.92	0.94	0.90	0.99	0.95	1.03		# of strides	4.15	2.89	2.84	
wind	3.2 m/s	velocity	4.78	9.26	10.20	9.71	10.87	10.64	11.11	10.10	10.53	9.71	9.17	45.2	7.23	10.38	10.56	

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

Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)												USATF Women's Sprint Development with HPC (2008)						
date	27-Jun-08	time	2.09	3.18	4.17	5.14	6.05	7.04	7.99	8.94	9.97	10.89	10.89	5 / 2				
reaction time		interval		1.09	0.99	0.97	0.91	0.99	0.95	0.95	1.03	0.92		# of strides	4.17	2.87	2.93	
wind	2.3 m/s	velocity	4.78	9.17	10.10	10.31	10.99	10.10	10.53	10.53	9.71	10.87	9.18		7.19	10.45	10.24	

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

Heat 1 - 2008 USA Olympic Trials (Eugene, OR)											USATF Women's Sprint Development with HPC (2008)						
date	27-Jun-08	time	2.09	3.18	4.19	5.14	6.12	7.09	8.04	9.00	9.97	11.00	11.00	7 / 1			
reaction time		interval		1.09	1.01	0.95	0.98	0.97	0.95	0.96	0.97	1.03		# of strides	4.19	2.90	2.88
wind	1.8 m/s	velocity	4.78	9.17	9.90	10.53	10.20	10.31	10.53	10.42	10.31	9.71	9.09		7.16	10.34	10.42

FINAL - 2006 USATF National Championships (Indianapolis, IN)

FINAL - 2006 USATF National Championships (Indianapolis, IN)													USATF Women's Sprint Development (2006)				
date	23-Jun-06	time	2.10	3.22	4.25	5.26	6.22	7.21	8.23	9.22	10.23	11.24	11.24	1 / 5.4			
reaction time		interval		1.12	1.03	1.01	0.96	0.99	1.02	0.99	1.01	1.01		# of strides	4.25	2.96	3.02
wind	-0.9 m/s	velocity	4.76	8.93	9.71	9.90	10.42	10.10	9.80	10.10	9.90	9.90	8.90	48.2	7.06	10.14	9.93

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

date	25-Jun-05	time	2.05	3.21	4.25	5.27	6.26	7.26	8.21	9.23	10.26	11.28	11.28	5 / 2			
reaction time		interval		1.16	1.04	1.02	0.99	1.00	0.95	1.02	1.03	1.02		# of strides	4.25	3.01	3.00
wind	-1.6 m/s	velocity	4.88	8.62	9.62	9.80	10.10	10.00	10.53	9.80	9.71	9.80	8.87	49.2	7.06	9.97	10.00

Semi-Final 1 - 2005 USATF National Championships (Carson, CA)*USATF Women's Sprint Development (2005)*

date	25-Jun-05	time	2.07	3.19	4.20	5.14	6.14	7.08	8.01	8.99	9.94	10.99	10.99	4 / 2			
reaction time		interval		1.12	1.01	0.94	1.00	0.94	0.93	0.98	0.95	1.05		# of strides	4.20	2.88	2.86
wind	3.0 m/s	velocity	4.83	8.93	9.90	10.64	10.00	10.64	10.75	10.20	10.53	9.52	9.10		7.14	10.42	10.49

Heat 3 - 2005 USATF National Championships (Carson, CA)*USATF Women's Sprint Development (2005)*

date	24-Jun-05	time	2.10	3.27	4.27	5.26	6.26	7.21	8.16	9.18	10.17	11.21	11.21	6 / 2			
reaction time		interval		1.17	1.00	0.99	1.00	0.95	0.95	1.02	0.99	1.04		# of strides	4.27	2.94	2.96
wind	1.4 m/s	velocity	4.76	8.55	10.00	10.10	10.00	10.53	10.53	9.80	10.10	9.62	8.92		7.03	10.20	10.14

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

date	10-Jul-04	time	2.06	3.19	4.23	5.23	6.18	7.20	8.16	9.16	10.14	11.17	11.17	7 / 6 4			
reaction time		interval		1.13	1.04	1.00	0.95	1.02	0.96	1.00	0.98	1.03		# of strides	4.23	2.97	2.94
wind	0.1 m/s	velocity	4.85	8.85	9.62	10.00	10.53	9.80	10.42	10.00	10.20	9.71	8.95	49.0	7.09	10.10	10.20

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

date	10-Jul-04	time	2.14	3.23	4.27	5.27	6.24	7.23	8.21	9.19	10.25	11.25	11.25	6 / 5 2			
reaction time		interval		1.09	1.04	1.00	0.97	0.99	0.98	0.98	1.06	1.00		# of strides	4.27	2.96	3.02
wind	-0.7 m/s	velocity	4.67	9.17	9.62	10.00	10.31	10.10	10.20	10.20	9.43	10.00	8.89	49.7	7.03	10.14	9.93

Quarter-Final 4 - 2004 USA Olympic Trials (Sacramento, CA)*USATF Women's Sprint Development (2004)*

date	09-Jul-04	time	2.12	3.24	4.27	5.32	6.26	7.26	8.23	9.25	10.31	11.37	11.37	2 / 2			
reaction time		interval		1.12	1.03	1.05	0.94	1.00	0.97	1.02	1.06	1.06		# of strides	4.27	2.99	3.05
wind	-0.8 m/s	velocity	4.72	8.93	9.71	9.52	10.64	10.00	10.31	9.80	9.43	9.43	8.80	49.0	7.03	10.03	9.84

Lepešková, Klára (CZE) (1993)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Heat 3 - 2012 Czech Republic National Indoor Championships (Praha, CZE)***Fehér (2012) - Czech Republic indoor national championships - women's 60m*

date	25-Feb-12	time	2.21	3.42	4.64	5.67	6.85	7.99					7.99	2 / 5			
reaction time	0.168	interval		1.21	1.22	1.03	1.18	1.14						# of strides	4.64	3.35	
		velocity	4.52	8.26	8.20	9.71	8.47	8.77					7.51		6.47	8.96	

Levorato, Manuela (ITA) (1977)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2002 European Championships (Munich, GER)***Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	07-Aug-02	time		3.23	4.26	5.26		7.22		9.22		11.23	11.23	/ 3			
reaction time	0.153	interval			1.03	1.00		1.96		2.00		2.01		# of strides	4.26	2.96	
wind	-0.7 m/s	velocity		6.19	9.71	10.00		10.20		10.00		9.95	8.90	46.3	7.04	10.14	

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

date	07-Aug-02	time		3.19	4.22	5.22		7.20		9.21		11.26	11.26	/ 2			
reaction time	0.144	interval			1.03	1.00		1.98		2.01		2.05		# of strides	4.22	2.98	
wind	0.3 m/s	velocity		6.27	9.71	10.00		10.10		9.95		9.76	8.88		7.11	10.07	

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

date	06-Aug-02	time		3.21	4.26	5.27		7.27		9.31		11.46	11.46	/ 1			
reaction time	0.150	interval			1.05	1.01		2.00		2.04		2.15		# of strides	4.26	3.01	
wind	0.7 m/s	velocity		6.23	9.52	9.90		10.00		9.80		9.30	8.73		7.04	9.97	

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

date	23-Jun-01	time		3.37	4.42	5.43		7.41		9.40		11.43	11.47	/ 6			
reaction time	0.205	interval			1.05	1.01		1.98		1.99		2.03		# of strides	4.42	2.99	
wind	2.8 m/s	velocity		5.93	9.52	9.90		10.10		10.05		9.85	8.72		6.79	10.03	

FINAL - 1997 European Cup (Munich, GER)*Jung (2003) - <http://www.fgs.uni-halle.de>*

date	21-Jun-97	time		2.20		4.45		7.54		9.62		11.74	11.74	/ 6			
reaction time		interval				2.25		3.09		2.08		2.12		# of strides	4.45	3.09	
wind	0.6 m/s	velocity		4.55		4.49		9.71		9.62		9.43	8.52		6.74	9.71	

Lewis, Mechelle (USA) (1980)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	28-Jun-08	time	2.04	3.13	4.15	5.15	6.08	7.05	8.03	9.01	10.03	11.08	11.08	6 / 7			
reaction time		interval		1.09	1.02	1.00	0.93	0.97	0.98	0.98	1.02	1.05		# of strides	4.15	2.90	2.98
wind	1.0 m/s	velocity	4.90	9.17	9.80	10.00	10.75	10.31	10.20	10.20	9.80	9.52	9.03	50.2	7.23	10.34	10.07

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

date	28-Jun-08	time	2.01	3.12	4.09	5.07	6.02	6.99	7.98	8.93	9.96	10.97	10.97	6 / 2			
reaction time		interval		1.11	0.97	0.98	0.95	0.97	0.99	0.95	1.03	1.01	PB	# of strides	4.09	2.90	2.97
wind	1.8 m/s	velocity	4.98	9.01	10.31	10.20	10.53	10.31	10.10	10.53	9.71	9.90	9.12	49.2	7.33	10.34	10.10

Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)													<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	27-Jun-08	time	2.20	3.12	4.14	5.11	6.04	6.99	7.94	8.94	9.89	10.95	10.95	3 / 3			
reaction time		interval		0.92	1.02	0.97	0.93	0.95	0.95	1.00	0.95	1.06		# of strides	4.14	2.85	2.90
wind	3.4 m/s	velocity	4.55	10.87	9.80	10.31	10.75	10.53	10.53	10.00	10.53	9.43	9.13		7.25	10.53	10.34
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)													<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	27-Jun-08	time	2.05	3.15	4.17	5.15	6.12	7.10	8.10	9.08	10.12	11.13	11.13	2 / 3			
reaction time		interval		1.10	1.02	0.98	0.97	0.98	1.00	0.98	1.04	1.01	=PB	# of strides	4.17	2.93	3.02
wind	1.8 m/s	velocity	4.88	9.09	9.80	10.20	10.31	10.20	10.00	10.20	9.62	9.90	8.98		7.19	10.24	9.93
Lewis, Torrie (AUS) (2005)																	
National FINAL - 2023 Weltklasse (Zürich, SUI)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	31-Aug-23	time	2.07	3.24	4.31	5.33	6.35	7.36	8.38	9.41	10.47	11.56	11.56	8 / 9			
reaction time	0.138	interval		1.17	1.07	1.02	1.02	1.01	1.02	1.03	1.06	1.09		# of strides	4.31	3.05	3.11
wind	-0.1 m/s	velocity	4.83	8.55	9.35	9.80	9.80	9.90	9.80	9.71	9.43	9.17	8.65		6.96	9.84	9.65
Li He (CHN) (2001)																	
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)													<i>Jiang (2019) - data analysis of women's sprint finals in the world championships trials</i>				
date	02-Aug-19	time	2.11	3.28	4.37	5.42	6.45	7.49	8.54	9.60	10.67	11.77	11.77	1 / 7			
reaction time		interval		1.17	1.09	1.05	1.03	1.04	1.05	1.06	1.07	1.10		# of strides	4.37	3.12	3.18
wind	-1.2 m/s	velocity	4.74	8.55	9.17	9.52	9.71	9.62	9.52	9.43	9.35	9.09	8.50		6.86	9.62	9.43
Li Yuting (CHN) (2002)																	
National FINAL - 2023 Xiamen Diamond League (Xiamen, CHN)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	02-Sep-23	time	2.12	3.29	4.34	5.37	6.37	7.38	8.40	9.42	10.47	11.55	11.55	7 / 4			
reaction time	0.172	interval		1.17	1.05	1.03	1.00	1.01	1.02	1.02	1.05	1.08		# of strides	4.34	3.04	3.09
wind	0.4 m/s	velocity	4.72	8.55	9.52	9.71	10.00	9.90	9.80	9.80	9.52	9.26	8.66		48.0	6.91	9.87
Liang Cuimin (CHN) (1993)																	
Heat 3 - 2017 National Grand Prix Final (Guiyang, CHN) (Altitude)													<i>Jiang (2017) CAA sport science report</i>				
date	25-Jun-17	time	1.93	3.12	4.23	5.27	6.29	7.33	8.38	9.43	10.50	11.63	11.80	1 / 2			
reaction time		interval		1.19	1.11	1.04	1.02	1.04	1.05	1.05	1.07	1.13	PB	# of strides	4.23	3.10	3.17
wind	0.5 m/s	velocity	5.18	8.40	9.01	9.62	9.80	9.62	9.52	9.52	9.35	8.85	8.47		54.2	7.09	9.68
Liang Nuo (CHN) (1999)																	
Heat 5 - 2017 National Grand Prix Final (Guiyang, CHN) (Altitude)													<i>Jiang (2017) CAA sport science report</i>				
date	25-Jun-17	time	1.88	3.06	4.15	5.19	6.22	7.25	8.30	9.34	10.40	11.52	11.71	1 / 1			
reaction time		interval		1.18	1.09	1.04	1.03	1.03	1.05	1.04	1.06	1.12	PB	# of strides	4.15	3.10	3.15
wind	0.9 m/s	velocity	5.32	8.47	9.17	9.62	9.71	9.71	9.52	9.62	9.43	8.93	8.54		51.2	7.23	9.68
Liang Xiaojing (CHN) (1997)																	
National FINAL - 2023 Xiamen Diamond League (Xiamen, CHN)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	02-Sep-23	time	2.01	3.15	4.20	5.20	6.20	7.20	8.22	9.27	10.33	11.44	11.44	5 / 3			
reaction time	0.160	interval		1.14	1.05	1.00	1.00	1.00	1.02	1.05	1.06	1.11		# of strides	4.20	3.00	3.13
wind	0.4 m/s	velocity	4.98	8.77	9.52	10.00	10.00	10.00	9.80	9.52	9.43	9.01	8.74		55.0	7.14	10.00
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)													<i>Jiang (2019) - data analysis of women's sprint finals in the world championships trials</i>				
date	02-Aug-19	time	2.05	3.17	4.21	5.22	6.20	7.19	8.19	9.20	10.22	11.27	11.27	4 / 1			
reaction time		interval		1.12	1.04	1.01	0.98	0.99	1.00	1.01	1.02	1.05		# of strides	4.21	2.98	3.03
wind	-1.2 m/s	velocity	4.88	8.93	9.62	9.90	10.20	10.10	10.00	9.90	9.80	9.52	8.87		7.13	10.07	9.90
Lindner, Magdalena (AUT) (2000)																	
National B FINAL - 2023 Weltklasse (Zürich, SUI)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	31-Aug-23	time	2.09	3.29	4.37	5.42	6.45	7.48	8.53	9.59	10.67	11.79	11.79	5 / 3			
reaction time	0.146	interval		1.20	1.08	1.05	1.03	1.03	1.05	1.06	1.08	1.12		# of strides	4.37	3.11	3.19
wind	-0.2 m/s	velocity	4.78	8.33	9.26	9.52	9.71	9.71	9.52	9.43	9.26	8.93	8.48		6.86	9.65	9.40
B FINAL - Heat 2 - 2022 Athletissima (Lausanne, SUI)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time		3.2		5.3		7.4		9.5		11.75	11.75	2 / 3			
reaction time	0.140	interval				2.10		2.10		2.10		2.25		# of strides			
wind	-2.7 m/s	velocity		6.25		9.52		9.52		9.52		8.89	8.51				
B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI)													<i>Omega Timing (2021) - diamond league race analysis</i>				
date	26-Aug-21	time		3.3		5.4		7.4		9.4		11.53	11.53	1 / 7			
reaction time	0.162	interval				2.10		2.00		2.00		2.13		# of strides			
wind	2.7 m/s	velocity		6.06		9.52		10.00		10.00		9.39	8.67				
Lisenco, Evelina (ROU) (1975)																	
FINAL - 2001 European Cup (Bremen, GER)													<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>				
date	23-Jun-01	time		3.38	4.46	5.50		7.56		9.65		11.83	11.83	1 / 8			
reaction time	0.218	interval			1.08	1.04		2.06		2.09		2.18		# of strides	4.46	3.10	

wind	2.8 m/s	velocity	5.92	9.26	9.62		9.71		9.57		9.17	8.45		6.73	9.68		
Liu Guoyi (CHN) (2004)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
National FINAL - 2023 Xiamen Diamond League (Xiamen, CHN)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	02-Sep-23	time	2.12	3.32	4.39	5.42	6.45	7.49	8.52	9.58	10.65	11.75	11.75	8 / 6			
reaction time	0.200	interval	1.20	1.07	1.03	1.03	1.04	1.03	1.06	1.07	1.10			# of strides	4.39	3.10	3.16
wind	0.4 m/s	velocity	4.72	8.33	9.35	9.71	9.71	9.62	9.71	9.43	9.35	9.09	8.51	51.0	6.83	9.68	9.49
Löw, Anna-Lena (SWE) (1965)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2016 Windsprint (Sundsvall, SWE)			<i>(2016) - www.windsprint/Splittider/</i>														
date	31-Jul-16	time		5.05				8.77				13.89	13.89	7 / 6			
reaction time		interval						3.72				5.12		# of strides	5.05	3.72	
wind	1.3 m/s	velocity		5.94				8.06				7.81	7.20		5.94	8.06	
Heat 2 - 2016 Windsprint (Sundsvall, SWE)			<i>(2016) - www.windsprint/Splittider/</i>														
date	31-Jul-16	time		5.06				8.84				14.14	14.14	1 / 8			
reaction time		interval						3.78				5.30		# of strides	5.06	3.78	
wind	1.8 m/s	velocity		5.93				7.94				7.55	7.07		5.93	7.94	
Louami, Carima (FRA) (1979)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2009 ISTAF (Berlin, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	14-Jun-09	time		3.27	4.33	5.35		7.38		9.46		11.56	11.56	1 / 3			
reaction time	0.168	interval			1.06	1.02		2.03		2.08		2.10		# of strides	4.33	3.05	
wind	0.1 m/s	velocity		6.12	9.43	9.80		9.85		9.62		9.52	8.65		6.93	9.84	
Lowery, Santana (USA) (1987)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 4 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>														
date	27-Jun-08	time	2.10	3.22	4.26	5.27	6.27	7.27	8.27	9.27	10.30	11.38	11.38	3 / 6			
reaction time		interval		1.12	1.04	1.01	1.00	1.00	1.00	1.00	1.03	1.08		# of strides	4.26	3.01	3.03
wind	1.4 m/s	velocity	4.76	8.93	9.62	9.90	10.00	10.00	10.00	10.00	9.71	9.26	8.79		7.04	9.97	9.90
Lückenkemper, Gina (GER) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	16-Jul-23	time	2.08	3.22	4.25	5.24	6.20	7.16	8.12	9.09	10.07	11.09	11.09	8 / 7			
reaction time	0.188	interval		1.14	1.03	0.99	0.96	0.96	0.96	0.97	0.98	1.02		# of strides	4.25	2.91	2.91
wind	0.2 m/s	velocity	4.81	8.77	9.71	10.10	10.42	10.42	10.42	10.31	10.20	9.80	9.02	49.5	7.06	10.31	10.31
FINAL - 2023 Athletissima (Lausanne, SUI)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	30-Jun-23	time	2.06	3.20	4.23	5.23	6.20	7.17	8.15	9.13	10.14	11.17	11.17	4 / 3			
reaction time	0.198	interval		1.14	1.03	1.00	0.97	0.97	0.98	0.98	1.01	1.03		# of strides	4.23	2.94	2.97
wind	-0.8 m/s	velocity	4.85	8.77	9.71	10.00	10.31	10.31	10.20	10.20	9.90	9.71	8.95	49.5	7.09	10.20	10.10
FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	02-Jun-23	time	2.06	3.20	4.23	5.21	6.18	7.14	8.11	9.08	10.06	11.09	11.09	3 / 2			
reaction time	0.192	interval		1.14	1.03	0.98	0.97	0.96	0.97	0.97	0.98	1.03		# of strides	4.23	2.91	2.92
wind	-0.4 m/s	velocity	4.85	8.77	9.71	10.20	10.31	10.42	10.31	10.31	10.20	9.71	9.02	50.0	7.09	10.31	10.27
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	06-Aug-22	time		3.20		5.22		7.14		9.09		11.10	11.10	8 / 4			
reaction time	0.190	interval				2.02		1.92		1.95		2.01		# of strides			
wind	0.5 m/s	velocity		6.25		9.90		10.42		10.26		9.95	9.01	50.0			
FINAL - 2020 Bauhaus Galan (Stockholm, SWE)			<i>Omega Timing (2020) - diamond league race analysis</i>														
date	23-Aug-20	time		3.3		5.3		7.3		9.3		11.33	11.33	7 / 5			
reaction time	0.202	interval				2.00		2.00		2.00		2.03		# of strides			
wind	1.3 m/s	velocity		6.06		10.00		10.00		10.00		9.85	8.83	50.2			
FINAL - 2019 Memorial van Damme (Brussels, BEL)			<i>Omega Timing (2019) - diamond league race analysis</i>														
date	06-Sep-19	time		3.4		5.4		7.4		9.4		11.45	11.45	8 / 8			
reaction time	0.208	interval				2.0		2.0		2.0		2.05		# of strides			
wind	-0.3 m/s	velocity		5.88		10.00		10.00		10.00		9.76	8.73	50.0			
Lüppert-Thomsson, Frida (SWE) (1965)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2009 Windsprint (Sundsvall, SWE)			<i>(2009) - www.ssg.se/en/Windsprint/Split-times/</i>														
date	25-Jul-09	time		4.67				8.05		10.33		12.70	12.70	1 / 2			
reaction time		interval						3.38		2.28		2.37		# of strides	4.67	3.38	
wind	0.9 m/s	velocity		6.42				8.88		8.77		8.44	7.87		6.42	8.88	
Madogo, Jacqueline (CAN) (2000)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)			<i>Omega Timing (2021) - diamond league race analysis</i>														
date	13-Jul-21	time		3.4		5.5		7.5		9.6		11.74	11.74	1 / 6			
reaction time	0.191	interval				2.10		2.00		2.10		2.14		# of strides			

wind	1.5 m/s	velocity	5.88		9.52		10.00		9.52		9.35		8.52				
Maduaka, Joice (GBR) (1973)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)														Graubner (2007) - http://www.fgs.uni-halle.de			
date	23-Sep-07	time	3.29	4.35	5.37			7.42		9.43		11.61	11.61	1 / 8			
reaction time	0.155	interval		1.06	1.02			2.05		2.01		2.18		# of strides	4.35	3.07	
wind	-0.6 m/s	velocity	6.08	9.43	9.80			9.76		9.95		9.17	8.61		6.90	9.77	
FINAL - 2001 European Cup (Bremen, GER)														Graubner (2007) - http://www.fgs.uni-halle.de			
date	23-Jun-01	time	3.25	4.29	5.30			7.30		9.33		11.45	11.45	/ 5			
reaction time	0.173	interval		1.04	1.01			2.00		2.03		2.12		# of strides	4.29	3.01	
wind	2.8 m/s	velocity	6.15	9.62	9.90			10.00		9.85		9.43	8.73		6.99	9.97	
Maekawa, Rika (JPN) (2000)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)														Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data			
date	30-Jul-17	time		4.46				7.78			11.19	12.37	12.37	3 / 7			
reaction time	0.173	interval						3.32			3.41	1.18		# of strides	4.46	3.32	3.41
wind	-3.0 m/s	velocity		6.73				9.04			8.80	8.47	8.08		6.73	9.04	8.80
Maeyama, Miyu (JPN) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan			
date	23-Jun-18	time	2.05	3.25	4.34	5.40	6.45	7.50	8.56	9.63	10.72	11.84	11.84	9 / 6			
reaction time	0.155	interval		1.20	1.09	1.06	1.05	1.05	1.06	1.07	1.09	1.12		# of strides	4.34	3.16	3.22
wind	0.8 m/s	velocity	4.88	8.33	9.17	9.43	9.52	9.52	9.43	9.35	9.17	8.93	8.45	50.7	6.91	9.49	9.32
FINAL - 2018 Fuse Sprint (Tottori, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan			
date	03-Jun-18	time	2.04	3.23	4.32	5.37	6.42	7.46	8.51	9.58	10.66	11.77	11.77	3 / 7			
reaction time		interval		1.19	1.09	1.05	1.05	1.04	1.05	1.07	1.08	1.11		# of strides	4.32	3.14	3.20
wind	1.8 m/s	velocity	4.90	8.40	9.17	9.52	9.52	9.62	9.52	9.35	9.26	9.01	8.50	50.2	6.94	9.55	9.38
FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan			
date	20-May-18	time	2.05	3.23	4.31	5.35	6.38	7.41	8.45	9.51	10.58	11.68	11.68	9 / 7			
reaction time	0.171	interval		1.18	1.08	1.04	1.03	1.03	1.04	1.06	1.07	1.10		# of strides	4.31	3.10	3.17
wind	2.3 m/s	velocity	4.88	8.47	9.26	9.62	9.71	9.71	9.62	9.43	9.35	9.09	8.56	50.1	6.96	9.68	9.46
FINAL - 2018 Mikio Oda Memorial (Hiroshima, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan			
date	29-Apr-18	time	2.01	3.18	4.24	5.27	6.29	7.31	8.34	9.39	10.46	11.56	11.56	5 / 2			
reaction time		interval		1.17	1.06	1.03	1.02	1.02	1.03	1.05	1.07	1.10		# of strides	4.24	3.07	3.15
wind	1.3 m/s	velocity	4.98	8.55	9.43	9.71	9.80	9.80	9.71	9.52	9.35	9.09	8.65	45.8	7.08	9.77	9.52
Heat 1 - 2017 Mikio Oda Memorial (Hiroshima, JPN)														Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season			
date	29-Apr-17	time	2.05	3.22	4.31	5.36	6.39	7.43	8.47	9.52	10.59	11.67	11.67	/ 2			
reaction time		interval		1.17	1.09	1.05	1.03	1.04	1.04	1.05	1.07	1.08		# of strides	4.31	3.12	3.16
wind	2.4 m/s	velocity	4.88	8.55	9.17	9.52	9.71	9.62	9.62	9.52	9.35	9.26	8.57	49.1	6.96	9.62	9.49
FINAL - 2016 National Sports Festival (Kitakami, JPN)														Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters			
date	08-Aug-16	time	2.07	3.22	4.30	5.35	6.38	7.42	8.47	9.53	10.62	11.73	11.73	4 / 2			
reaction time	0.157	interval		1.15	1.08	1.05	1.03	1.04	1.05	1.06	1.09	1.11		# of strides	4.30	3.12	3.20
wind	2.0 m/s	velocity	4.83	8.70	9.26	9.52	9.71	9.62	9.52	9.43	9.17	9.01	8.53	49.5	6.98	9.62	9.38
Mahan, Shayla (USA) (1989)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2011 Windsprint (Sundsvall, SWE)														(2011) - www.ssg.se/en/Windsprint/Split-times/			
date	31-Jul-11	time		4.29				7.31		9.32		11.45	11.45	4 / 3			
reaction time		interval						3.02		2.01		2.13		# of strides	4.29	3.02	
wind	0.2 m/s	velocity		6.99				9.93		9.95		9.39	8.73		6.99	9.93	
FINAL - 2008 USATF National Junior Championships (Columbus, OH)														USATF Women's Sprint Development with HPC (2008)			
date	20-Jun-08	time	2.08	3.23	4.23	5.26	6.27	7.26	8.28	9.31	10.34	11.39	11.39	7 / 3			
reaction time		interval		1.15	1.00	1.03	1.01	0.99	1.02	1.03	1.03	1.05		# of strides	4.23	3.03	3.08
wind	1.3 m/s	velocity	4.81	8.70	10.00	9.71	9.90	10.10	9.80	9.71	9.71	9.52	8.78		7.09	9.90	9.74
Malchugina, Galina (URS) (1962)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1990 Goodwill Games (Seattle, WA)														Lyle (1990) - goodwill games women's 100m splits			
date	24-Jul-90	time	2.14	3.20	4.25	5.24	6.22	7.18	8.14		10.15	11.23	11.24	3 / 4			
reaction time		interval		1.06	1.05	0.99	0.98	0.96	0.96		2.01	1.08		# of strides	4.25	2.93	2.97
wind	0.0 m/s	velocity	4.67	9.43	9.52	10.10	10.20	10.42	10.42		9.95	9.26	8.90		7.06	10.24	10.10
Malone, Maicel (USA) (1969)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)														Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints			
date	17-Jul-86	time	2.01	3.16	4.24	5.31	6.34	7.30	8.27	9.47	10.43	11.49	11.49	/ 3			
reaction time	0.151	interval		1.15	1.08	1.07	1.03	0.96	0.97	1.20	0.96	1.06		# of strides	4.24	3.06	3.13
wind	0.9 m/s	velocity	4.98	8.70	9.26	9.35	9.71	10.42	10.31	8.33	10.42	9.43	8.70		7.08	9.80	9.58

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mang, Véronique (FRA) (1984)																	
Semi-Final 3 - 2011 IAAF World Championships (Daegu, KOR)																	
date	29-Aug-11	time					6.36					11.44	11.44	4 / 1			
reaction time	0.139	interval										5.08		# of strides			
wind	-1.5 m/s	velocity					7.86					4.37	8.74	50.5			
Heat 7 - 2011 IAAF World Championships (Daegu, KOR)																	
date	28-Aug-11	time					6.36					11.44	11.44	4 / 1			
reaction time	0.172	interval										5.08		# of strides			
wind	0.5 m/s	velocity					7.86					4.37	8.74	50.5			
Mani, Myriam Leon (CMR) (1977)																	
FINAL - 2001 ISTAF (Berlin, GER)																	
date	31-Aug-01	time		3.14	4.16	5.15		7.10		9.09		11.13	11.13	1 / 1			
reaction time	0.143	interval			1.02	0.99		1.95		1.99		2.04		# of strides	4.16	2.94	
wind	0.5 m/s	velocity		6.37	9.80	10.10		10.26		10.05		9.80	8.98		7.21	10.20	
FINAL - 2000 ISTAF (Berlin, GER)																	
date	01-Sep-00	time		3.10	4.12	5.10		7.06				11.24	11.24	1 / 5			
reaction time	0.151	interval			1.02	0.98		1.96				4.18		# of strides	4.12	2.94	
wind	0.1 m/s	velocity		6.45	9.80	10.20		10.20				9.57	8.90		7.28	10.20	
Marjamaa, Helinä (FIN) (1956)																	
FINAL - 1983 IAAF World Championships (Helsinki, FIN)																	
date	08-Aug-83	time		3.10		5.18	6.16	7.15	8.14	9.14		11.24	11.24	1 / 6			
reaction time	0.140	interval			2.08	0.98	0.99	0.99	1.00			2.10		# of strides			
wind	-0.5 m/s	velocity		6.45		9.62	10.20	10.10	10.10	10.00		9.52	8.90	49.0			
Marjanen, Pirkitta (FIN) (2001)																	
National B FINAL - 2023 Weltklasse (Zürich, SUI)																	
date	31-Aug-23	time	2.14	3.33	4.42	5.47	6.50	7.55	8.62	9.69	10.80	11.91	11.91	1 / 5			
reaction time	0.158	interval		1.19	1.09	1.05	1.03	1.05	1.07	1.07	1.11	1.11		# of strides	4.42	3.13	3.25
wind	-0.2 m/s	velocity	4.67	8.40	9.17	9.52	9.71	9.52	9.35	9.35	9.01	9.01	8.40		6.79	9.58	9.23
Marshall, Pam (USA) (1960)																	
FINAL - 1987 IAAF World Championships (Rome, ITA)																	
date	30-Aug-87	time	2.14	3.28	4.28	5.28	6.27	7.21	8.16	9.13	10.15	11.19	11.19	1 / 7			
reaction time	0.242	interval		1.14	1.00	1.00	0.99	0.94	0.95	0.97	1.02	1.04		# of strides	4.28	2.93	2.94
wind	-0.5 m/s	velocity	4.67	8.77	10.00	10.00	10.10	10.64	10.53	10.31	9.80	9.62	8.94	45.4	7.01	10.24	10.20
Semi-Final 1 - 1987 IAAF World Championships (Rome, ITA)																	
date	30-Aug-87	time			4.28			7.18				11.06	11.06	3 / 3			
reaction time		interval						2.90				3.88		# of strides	4.28	2.90	
wind	2.2 m/s	velocity			7.01			10.34				10.31	9.04	45.0	7.01	10.34	
Quarter-Final 2 - 1987 IAAF World Championships (Rome, ITA)																	
date	29-Aug-87	time			4.29			7.19				11.21	11.21	5 / 2			
reaction time		interval						2.90				4.02		# of strides	4.29	2.90	
wind	1.6 m/s	velocity			6.99			10.34				9.95	8.92	44.5	6.99	10.34	
Heat 5 - 1987 IAAF World Championships (Rome, ITA)																	
date	29-Aug-87	time			4.28			7.33				11.44	11.44	1 / 3			
reaction time		interval						3.05				4.11		# of strides	4.28	3.05	
wind	0.2 m/s	velocity			7.01			9.84				9.73	8.74		7.01	9.84	
Masters, Bree (AUS) (1995)																	
National FINAL - 2023 Weltklasse (Zürich, SUI)																	
date	31-Aug-23	time	2.08	3.24	4.29	5.29	6.28	7.28	8.28	9.31	10.36	11.43	11.43	1 / 6			
reaction time	0.151	interval		1.16	1.05	1.00	0.99	1.00	1.00	1.03	1.05	1.07		# of strides	4.29	2.99	3.08
wind	-0.1 m/s	velocity	4.81	8.62	9.52	10.00	10.10	10.00	10.00	9.71	9.52	9.35	8.75		6.99	10.03	9.74
Masumi, Aoki (JPN) (1994)																	
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)																	
date	23-Sep-18	time	2.01	3.21	4.32	5.39	6.45	7.51	8.58	9.66	10.76	11.89	11.89	2 / 4			
reaction time	0.129	interval		1.20	1.11	1.07	1.06	1.06	1.07	1.08	1.10	1.13		# of strides	4.32	3.19	3.25
wind	-0.1 m/s	velocity	4.98	8.33	9.01	9.35	9.43	9.43	9.35	9.26	9.09	8.85	8.41	52.3	6.94	9.40	9.23
Matsuda, Yumi (JPN) (1994)																	
B FINAL - 2017 Fuse Sprint (Fuse, JPN)																	
date	04-Jun-17	time	2.10	3.28	4.37	5.43	6.47	7.50	8.55	9.60	10.68	11.78	11.78	1 / 1			
reaction time		interval		1.18	1.09	1.06	1.04	1.03	1.05	1.05	1.08	1.10		# of strides	4.37	3.13	3.18

wind	3.1 m/s	velocity	4.76	8.47	9.17	9.43	9.62	9.71	9.52	9.52	9.26	9.09	8.49	53.9	6.86	9.58	9.43
FINAL - 2016 Fuse Sprint (Tottori, JPN) <i>Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters</i>																	
date	05-Jun-16	time	2.04	3.19	4.24	5.29	6.33	7.37	8.43	9.49	10.58	11.69	11.69	/ 2			
reaction time		interval		1.15	1.05	1.05	1.04	1.04	1.06	1.06	1.09	1.11	PB	# of strides	4.24	3.13	3.21
wind	0.7 m/s	velocity	4.90	8.70	9.52	9.52	9.62	9.62	9.43	9.43	9.17	9.01	8.55	53.9	7.08	9.58	9.35
FINAL - 2012 Japanese National High School Championships (Niigata, JPN) <i>Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics</i>																	
date	30-Jul-12	time					6.54	7.57	8.65	9.76	10.86	12.03	12.03	9 / 3			
reaction time		interval						1.03	1.08	1.11	1.10	1.17		# of strides			3.29
wind	-0.3 m/s	velocity					7.65	9.71	9.26	9.01	9.09	8.55	8.31				9.12
Matsumoto, Sayako (JPN) (1995) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)																	
date	23-Sep-18	time	2.03	3.21	4.31	5.37	6.43	7.49	8.57	9.67	10.79	11.94	11.94	6 / 6			
reaction time	0.120	interval		1.18	1.10	1.06	1.06	1.06	1.08	1.10	1.12	1.15		# of strides	4.31	3.18	3.30
wind	-0.1 m/s	velocity	4.93	8.47	9.09	9.43	9.43	9.43	9.26	9.09	8.93	8.70	8.38	53.0	6.96	9.43	9.09
Matthew, Sarah A. (USA) (1988) <i>USATF Women's Sprint Development (2005)</i>																	
FINAL - 2005 USATF National Junior Championships (Carson, CA)																	
date	23-Jun-05	time	2.13	3.31	4.41	5.45	6.56	7.57	9.64	9.76	10.84	11.98	11.98	8 / 9			
reaction time		interval		1.18	1.10	1.04	1.11	1.01	2.07	0.12	1.08	1.14		# of strides	4.41	3.16	3.27
wind	-1.1 m/s	velocity	4.69	8.47	9.09	9.62	9.01	9.90	4.83	83.33	9.26	8.77	8.35		6.80	9.49	9.17
Mayo, Gabrielle (USA) (1989) <i>USATF Women's Sprint Development (2006)</i>																	
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)																	
date	22-Jun-06	time	2.10	3.20	4.24	5.22	6.21	7.19	8.14	9.13	10.13	11.16	11.16	4 / 2			
reaction time		interval		1.10	1.04	0.98	0.99	0.98	0.95	0.99	1.00	1.03	PB	# of strides	4.24	2.95	2.94
wind	1.2 m/s	velocity	4.76	9.09	9.62	10.20	10.10	10.20	10.53	10.10	10.00	9.71	8.96		7.08	10.17	10.20
Mayr-Krifka, Karin (AUT) (1971) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																	
Semi-Final 2 - 2002 European Championships (Munich, GER)																	
date	07-Aug-02	time		3.21	4.26	5.28		7.29		9.35		11.52	11.52	/ 7			
reaction time	0.136	interval			1.05	1.02		2.01		2.06		2.17		# of strides	4.26	3.03	
wind	0.3 m/s	velocity		6.23	9.52	9.80		9.95		9.71		9.22	8.68		7.04	9.90	
Heat 3 - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																	
date	06-Aug-02	time		3.16	4.20	5.21		7.19		9.23		11.35	11.35	/ 2			
reaction time	0.124	interval			1.04	1.01		1.98		2.04		2.12		# of strides	4.20	2.99	
wind	0.0 m/s	velocity		6.33	9.62	9.90		10.10		9.80		9.43	8.81		7.14	10.03	
Mazáčová, Iveta (CZE) (1986) <i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>																	
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)																	
date	15-Jun-13	time	2.14	3.27	4.36	5.38	6.42	7.46	8.52	9.59	10.70	11.82	11.82	6 / 4			
reaction time	0.162	interval		1.13	1.09	1.02	1.04	1.04	1.06	1.07	1.11	1.12		# of strides	4.36	3.10	3.24
wind	-0.2 m/s	velocity	4.67	8.85	9.17	9.80	9.62	9.62	9.43	9.35	9.01	8.93	8.46		6.88	9.68	9.26
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE) <i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>																	
date	15-Jun-13	time		3.28		5.40		7.46		9.60		11.79	11.79	6 / 2			
reaction time	0.176	interval				2.12		2.06		2.14		2.19		# of strides			
wind	-1.3 m/s	velocity		6.10		9.43		9.71		9.35		9.13	8.48				
FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE) <i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>																	
date	25-Feb-12	time	2.05	3.20	4.27	5.31	6.33	7.39					7.39	5 / 2			
reaction time	0.126	interval		1.15	1.07	1.04	1.02	1.06						# of strides	4.27	3.12	
		velocity	4.88	8.70	9.35	9.62	9.80	9.43					8.12		7.03	9.62	
Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE) <i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>																	
date	25-Feb-12	time	2.09	3.25	4.30	5.35	6.37	7.43					7.43	4 / 1			
reaction time	0.165	interval		1.16	1.05	1.05	1.02	1.06						# of strides	4.30	3.13	
		velocity	4.78	8.62	9.52	9.52	9.80	9.43					8.08		6.98	9.58	
Heat 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE) <i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>																	
date	25-Feb-12	time	2.05	3.21	4.31	5.37	6.39	7.46					7.46	4 / 1			
reaction time	0.138	interval		1.16	1.10	1.06	1.02	1.07						# of strides	4.31	3.15	
		velocity	4.88	8.62	9.09	9.43	9.80	9.35					8.04		6.96	9.52	
C FINAL - 2009 ISTAF (Berlin, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																	
date	14-Jun-09	time		3.45	4.54	5.60		7.71		9.89		12.19	12.19	/ 9			
reaction time	0.293	interval			1.09	1.06		2.11		2.18		2.30		# of strides	4.54	3.17	
wind	0.9 m/s	velocity		5.80	9.17	9.43		9.48		9.17		8.70	8.20		6.61	9.46	

														76 of 143 W100m athlete
M'belu, Lucienne (FRA) (1989)														
C FINAL - 2009 ISTAF (Berlin, GER)														Graubner (2009) - http://www.fgs.uni-halle.de
date	14-Jun-09	time	3.41	4.48	5.51	7.59	9.69	12.13	12.13					/ 8
reaction time	0.284	interval		1.07	1.03	2.08	2.10	2.44				# of strides	4.48	3.11
wind	0.9 m/s	velocity	5.87	9.35	9.71	9.62	9.52	8.20	8.24				6.70	9.65
McGrone, Candyce (USA) (1989)														
FINAL - 2008 USATF National Junior Championships (Columbus, OH)														USATF Women's Sprint Development with HPC (2008)
date	20-Jun-08	time	2.15	3.28	4.32	5.37	6.35	7.35	8.36	9.39	10.44	11.50	11.50	4 / 4
reaction time		interval		1.13	1.04	1.05	0.98	1.00	1.01	1.03	1.05	1.06	PB	# of strides
wind	1.3 m/s	velocity	4.65	8.85	9.62	9.52	10.20	10.00	9.90	9.71	9.52	9.43	8.70	6.94
McLaughlin, Anneisha (JAM) (1986)														
FINAL - 2008 Windsprint (Sundsvall, SWE)														(2008) - www.ssg.se/en/Windsprint/Split-times/
date	06-Jul-08	time		4.32		7.34		9.46		11.60		11.60		6 / 2
reaction time		interval				3.02		2.12		2.14				# of strides
wind	1.0 m/s	velocity		6.94		9.93		9.43		9.35		8.62		6.94
Meadows, Tawanna (USA) (1986)														
FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)														Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season
date	21-May-17	time	2.06	3.24	4.30	5.32	6.33	7.33	8.34	9.35	10.37	11.44	11.44	/ 2
reaction time	0.203	interval		1.18	1.06	1.02	1.01	1.00	1.01	1.01	1.02	1.07		# of strides
wind	0.8 m/s	velocity	4.85	8.47	9.43	9.80	9.90	10.00	9.90	9.90	9.80	9.35	8.74	52.4
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)														USATF Women's Sprint Development with HPC (2008)
date	27-Jun-08	time	2.15	3.30	4.35	5.42	6.41	7.40	8.42	9.42	10.48	11.48	11.48	8 / 6
reaction time		interval		1.15	1.05	1.07	0.99	0.99	1.02	1.00	1.06	1.00		# of strides
wind	1.8 m/s	velocity	4.65	8.70	9.52	9.35	10.10	10.10	9.80	10.00	9.43	10.00	8.71	6.90
Meinseth, Ingvild (NOR) (1999)														
A FINAL - 2017 Windsprint (Sundsvall, SWE)														(2017) - www.windsprint/Splittider/
date	30-Jul-17	time		4.33		6.40		7.46		9.54		11.70	11.70	5 / 1
reaction time		interval				2.07		1.06		2.08		2.16		# of strides
wind	0.3 m/s	velocity		6.93		9.66		9.43		9.62		9.26	8.55	6.93
Melin, Jenny (SWE) (1993)														
B FINAL - 2012 Windsprint (Sundsvall, SWE)														(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx
date	17-Jun-12	time		4.50		7.70		9.88		12.16		12.16		7 / 5
reaction time		interval				3.20		2.18		2.28				# of strides
wind	0.7 m/s	velocity		6.67		9.38		9.17		8.77		8.22		6.67
Mihalinec, Maja (SLO) (1989)														
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)														Omega Timing (2019) - diamond league race analysis
date	18-Aug-19	time		3.3		5.4		7.3		9.3		11.36	11.36	8 / 4
reaction time	0.139	interval				2.1		1.9		2.0		2.06		# of strides
wind	-0.9 m/s	velocity		6.06		9.52		10.53		10.00		9.71	8.80	51.0
Mikase, Midori (JPN) (2001)														
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)														Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions
date	23-Aug-20	time	2.06	3.27	4.37	5.43	6.49	7.55	8.63	9.73	10.85	12.01	12.01	5 / 7
reaction time	0.148	interval		1.21	1.10	1.06	1.06	1.06	1.08	1.10	1.12	1.16		# of strides
wind	-0.9 m/s	velocity	4.85	8.26	9.09	9.43	9.43	9.43	9.26	9.09	8.93	8.62	8.33	6.86
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)														Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data
date	05-Aug-19	time	2.03	3.19	4.25	5.28	6.29	7.31	8.34	9.38	10.43	11.51	11.51	4 / 1
reaction time		interval		1.16	1.06	1.03	1.01	1.02	1.03	1.04	1.05	1.08		# of strides
wind	-0.1 m/s	velocity	4.93	8.62	9.43	9.71	9.90	9.80	9.71	9.62	9.52	9.26	8.69	52.2
FINAL - 2019 Japanese National Championships (Fukuoka, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan
date	28-Jun-19	time	2.00	3.18	4.25	5.29	6.31	7.34	8.39	9.45	10.54	11.67	11.67	5 / 1
reaction time	0.140	interval		1.18	1.07	1.04	1.02	1.03	1.05	1.06	1.09	1.13		# of strides
wind	0.6 m/s	velocity	5.00	8.47	9.35	9.62	9.80	9.71	9.52	9.43	9.17	8.85	8.57	53.4
FINAL - 2019 Mikio Oda Memorial (Hiroshima, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan
date	28-Apr-19	time	2.03	3.21	4.28	5.31	6.33	7.34	8.37	9.41	10.46	11.54	11.54	5 / 2
reaction time		interval		1.18	1.07	1.03	1.02	1.01	1.03	1.04	1.05	1.08		# of strides
wind	1.9 m/s	velocity	4.93	8.47	9.35	9.71	9.80	9.90	9.71	9.62	9.52	9.26	8.67	52.7
U20 FINAL - 2018 National Sports Festival (Fukui, JPN)														Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan
date	05-Oct-18	time	2.01	3.22	4.32	5.39	6.44	7.49	8.56	9.64	10.75	11.89	11.89	8 / 4
reaction time	0.128	interval		1.21	1.10	1.07	1.05	1.05	1.07	1.08	1.11	1.14		# of strides
wind	-0.1 m/s	velocity	4.98	8.26	9.09	9.35	9.52	9.52	9.35	9.26	9.01	8.77	8.41	54.2

FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)														<i>Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics data</i>				
date	03-Aug-18	time	2.07	3.25	4.33	5.38	6.41	7.45	8.50	9.56	10.64	11.74	11.74	/ 1				
reaction time		interval		1.18	1.08	1.05	1.03	1.04	1.05	1.06	1.08	1.10		# of strides				
wind	0.0 m/s	velocity	4.83	8.47	9.26	9.52	9.71	9.62	9.52	9.43	9.26	9.09	8.52	6.93 9.62 9.40				
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)														<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	23-Jun-18	time	2.06	3.24	4.33	5.38	6.41	7.44	8.48	9.54	10.63	11.74	11.74	7 / 4				
reaction time	0.172	interval		1.18	1.09	1.05	1.03	1.03	1.04	1.06	1.09	1.11		# of strides				
wind	0.8 m/s	velocity	4.85	8.47	9.17	9.52	9.71	9.71	9.62	9.43	9.17	9.01	8.52	53.4 6.93 9.65 9.40				
Miller, Inger (USA) (1972)																		
Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>				
date	10-Jul-04	time	2.06	3.21	4.26	5.27	6.26	7.24	8.22	9.24	10.25	11.30	11.30	4 / 6 5				
reaction time		interval		1.15	1.05	1.01	0.99	0.98	0.98	1.02	1.01	1.05		# of strides				
wind	-0.7 m/s	velocity	4.85	8.70	9.52	9.90	10.10	10.20	10.20	9.80	9.90	9.52	8.85	50.5 7.04 10.07 9.97				
Quarter-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)														<i>USATF Women's Sprint Development (2004)</i>				
date	09-Jul-04	time	2.07	3.22	4.27	5.28	6.22	7.21	8.18	9.17	10.23	11.28	11.28	2 / 1				
reaction time		interval		1.15	1.05	1.01	0.94	0.99	0.97	0.99	1.06	1.05		# of strides				
wind	-1.4 m/s	velocity	4.83	8.70	9.52	9.90	10.64	10.10	10.31	10.10	9.43	9.52	8.87	50.2 7.03 10.20 9.93				
FINAL - 2003 USATF National Championships (Palo Alto, CA)														<i>USATF Women's Sprint Development (2003)</i>				
date	20-Jun-03	time	2.09	3.24	4.27	5.25	6.24	7.21	8.16	9.16	10.19	11.17	11.17	7 / 4 3				
reaction time		interval		1.15	1.03	0.98	0.99	0.97	0.95	1.00	1.03	0.98		# of strides				
wind	-1.1 m/s	velocity	4.78	8.70	9.71	10.20	10.10	10.31	10.53	10.00	9.71	10.20	8.95	7.03 10.20 10.07				
FINAL - 2000 USA Olympic Trials (Sacramento, CA)														<i>Lyle - miscellaneous coaching notes</i>				
date	15-Jul-00	time	2.03		4.19		6.10	7.04		10.00	11.05	11.05		/ 2				
reaction time		interval			2.16		1.91	0.94		2.96	1.05			# of strides				
wind	-1.0 m/s	velocity	4.93		4.63		10.47	10.64		10.14	9.52	9.05		7.16 10.53 10.14				
FINAL - 1999 IAAF World Championships (Sevilla, ESP)														<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>				
date	22-Aug-99	time	1.83	2.94	3.97	4.93	5.87	6.81	7.76	8.72	9.69	10.66	10.79	3 / 2				
reaction time	0.129	interval		1.11	1.03	0.96	0.94	0.94	0.95	0.96	0.97	0.97	PB	# of strides				
wind	-0.1 m/s	velocity	5.46	9.01	9.71	10.42	10.64	10.64	10.53	10.42	10.31	10.31	9.27	7.56 10.56 10.42				
FINAL - 1997 IAAF World Championships (Athens, GRE)														<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997</i>				
date	03-Aug-97	time	1.88	3.03	4.08	5.08	6.06	7.03	8.01	9.01	10.02	11.06	11.18	7 / 5				
reaction time	0.117	interval		1.15	1.05	1.00	0.98	0.97	0.98	1.00	1.01	1.04		# of strides				
wind	0.4 m/s	velocity	5.32	8.70	9.52	10.00	10.20	10.31	10.20	10.00	9.90	9.62	8.94	50.2 7.35 10.17 10.03				
FINAL - 1996 USA Olympic Trials (Atlanta, GA)														<i>USATF Women's Sprint Development (1996)</i>				
date	15-Jun-96	time	1.94		4.20		6.11			9.90	10.96	10.96		8 / 4				
reaction time		interval			2.26		1.91			3.79	1.06	PB		# of strides				
wind	1.1 m/s	velocity	5.15		8.85		10.47			10.55	9.43	9.12		49.5 7.14				
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)														<i>USATF Women's Sprint Development (1996)</i>				
date	15-Jun-96	time	2.04		4.22		6.16			10.07	11.10	11.10		3 / 3				
reaction time		interval			2.18		1.94			3.91	1.03			# of strides				
wind	0.2 m/s	velocity	4.90		9.17		10.31			10.23	9.71	9.01		50.0 7.11				
Miller, Rachel (GBR) (1990)																		
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)														<i>Omega Timing (2019) - diamond league race analysis</i>				
date	18-Aug-19	time		3.2		5.3		7.3		9.4		11.42	11.42	3 / 6				
reaction time	0.143	interval			2.1		2.0		2.1		2.02	PB		# of strides				
wind	-0.9 m/s	velocity		6.25		9.52		10.00		9.52		9.90	8.76	54.0				
Miller, Scottesha (USA) (1988)																		
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	27-Jun-08	time	2.08	3.29	4.35	5.38	6.39	7.39	8.44	9.43	10.52	11.62	11.62	2 / 7				
reaction time		interval		1.21	1.06	1.03	1.01	1.00	1.05	0.99	1.09	1.10		# of strides				
wind	1.1 m/s	velocity	4.81	8.26	9.43	9.71	9.90	10.00	9.52	10.10	9.17	9.09	8.61	6.90 9.87 9.58				
Miura, Yuna (JPN) (2002)																		
FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)														<i>Kobayashi (2020) - national high school and U20 national championships</i>				
date	24-Oct-20	time	2.07	3.28	4.38	5.44	6.49	7.53	8.59	9.66	10.76	11.90	11.90	5 / 1				
reaction time	0.128	interval		1.21	1.10	1.06	1.05	1.04	1.06	1.07	1.10	1.14		# of strides				
wind	-0.5 m/s	velocity	4.83	8.26	9.09	9.43	9.52	9.62	9.43	9.35	9.09	8.77	8.40	52.1 6.85 9.52 9.29				
FINAL - 2020 Athlete Night Games (Fukui, JPN)														<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>				
date	29-Aug-20	time	2.06	3.25	4.33	5.38	6.40	7.43	8.46	9.51	10.57	11.67	11.67	/ 4				

reaction time	interval	1.19	1.08	1.05	1.02	1.03	1.03	1.05	1.06	1.10		# of strides	4.33	3.10	3.14		
wind	1.1 m/s	velocity	4.85	8.40	9.26	9.52	9.80	9.71	9.71	9.52	9.43	9.09	8.57	6.93	9.68	9.55	
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN) <i>Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data</i>																	
date	05-Aug-19	time	2.10	3.26	4.32	5.35	6.37	7.40	8.44	9.49	10.56	11.65	11.65	5 / 3			
reaction time		interval	1.16	1.06	1.03	1.02	1.03	1.04	1.05	1.07	1.09			# of strides	4.32	3.08	3.16
wind	-0.1 m/s	velocity	4.76	8.62	9.43	9.71	9.80	9.71	9.62	9.52	9.35	9.17	8.58	51.0	6.94	9.74	9.49
U20 FINAL - 2018 National Sports Festival (Fukui, JPN) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	05-Oct-18	time	2.06	3.27	4.37	5.43	6.48	7.52	8.57	9.64	10.72	11.83	11.83	5 / 1			
reaction time	0.150	interval		1.21	1.10	1.06	1.05	1.04	1.05	1.07	1.08	1.11	PB	# of strides	4.37	3.15	3.20
wind	-0.1 m/s	velocity	4.85	8.26	9.09	9.43	9.52	9.62	9.52	9.35	9.26	9.01	8.45	51.5	6.86	9.52	9.38
Miyake, Marina (JPN) (1997) <i>Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics data</i>																	
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)																	
date	30-Jul-15	time		4.40	5.48	6.55	7.61	8.67	9.74	10.83	11.97	11.97	11.97	/ 5			
reaction time		interval			1.08	1.07	1.06	1.06	1.07	1.09	1.14			# of strides	4.40	3.21	3.22
wind	-1.2 m/s	velocity		6.82	9.26	9.35	9.43	9.43	9.35	9.17	8.77	8.35		6.82	9.35	9.32	
Miyake, Noaka (JPN) (1991) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
FINAL - 2019 Fuse Sprint (Tottori, JPN)																	
date	02-Jun-19	time	2.06	3.24	4.31	5.35	6.38	7.41	8.45	9.51	10.58	11.68	11.68	7 / 3			
reaction time	0.130	interval		1.18	1.07	1.04	1.03	1.03	1.04	1.06	1.07	1.10		# of strides	4.31	3.10	3.17
wind	-2.2 m/s	velocity	4.85	8.47	9.35	9.62	9.71	9.71	9.62	9.43	9.35	9.09	8.56	51.8	6.96	9.68	9.46
FINAL - 2018 National Sports Festival (Fukui, JPN) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	06-Oct-18	time	2.13	3.39	4.54	5.65	6.74	7.83	8.93	10.04	11.16	12.30	12.30	4 / 5			
reaction time	0.160	interval		1.26	1.15	1.11	1.09	1.09	1.10	1.11	1.12	1.14		# of strides	4.54	3.29	3.33
wind	-2.8 m/s	velocity	4.69	7.94	8.70	9.01	9.17	9.17	9.09	9.01	8.93	8.77	8.13	53.0	6.61	9.12	9.01
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	23-Sep-18	time	2.06	3.24	4.33	5.38	6.43	7.47	8.52	9.59	10.68	11.80	11.80	5 / 3			
reaction time	0.137	interval		1.18	1.09	1.05	1.05	1.04	1.05	1.07	1.09	1.12		# of strides	4.33	3.14	3.21
wind	-0.1 m/s	velocity	4.85	8.47	9.17	9.52	9.52	9.62	9.52	9.35	9.17	8.93	8.47	51.5	6.93	9.55	9.35
Heat 1 - 2017 Mikio Oda Memorial (Hiroshima, JPN) <i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>																	
date	29-Apr-17	time	3.02	3.21	4.28	5.33	6.35	7.40	8.45	9.52	10.61	11.72	11.72	/ 4			
reaction time		interval		0.19	1.07	1.05	1.02	1.05	1.05	1.07	1.09	1.11		# of strides	4.28	3.12	3.21
wind	2.4 m/s	velocity	3.31	52.63	9.35	9.52	9.80	9.52	9.52	9.35	9.17	9.01	8.53	52.2	7.01	9.62	9.35
Miyamatsu, Shiki (JPN) (2005) <i>Kishima (2022) - national high school championships biomechanics data collection</i>																	
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)																	
date	04-Aug-22	time	2.13	3.33	4.44	5.52	6.59	7.67	8.78	9.90	11.05	12.22	12.22	2 / 8			
reaction time	0.153	interval		1.20	1.11	1.08	1.07	1.08	1.11	1.12	1.15	1.17		# of strides	4.44	3.23	3.38
wind	-0.6 m/s	velocity	4.69	8.33	9.01	9.26	9.35	9.26	9.01	8.93	8.70	8.55	8.18	54.0	6.76	9.29	8.88
Miyamoto, Saya (JPN) (2004) <i>Shibayama (2021) - national high school and U20 national championships</i>																	
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)																	
date	29-Jul-21	time	2.13	3.34	4.45	5.52	6.59	7.66	8.74	9.84	10.96	12.10	12.10	7 / 8			
reaction time	0.128	interval		1.21	1.11	1.07	1.07	1.07	1.08	1.10	1.12	1.14		# of strides	4.45	3.21	3.30
wind	-0.2 m/s	velocity	4.69	8.26	9.01	9.35	9.35	9.35	9.26	9.09	8.93	8.77	8.26	57.0	6.74	9.35	9.09
Miyata, Otoha (JPN) (1999) <i>Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data</i>																	
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)																	
date	30-Jul-17	time		4.38			7.65			11.10	12.32	12.32	12.32	2 / 5			
reaction time	0.148	interval					3.27			3.45	1.22			# of strides	4.38	3.27	3.45
wind	-3.0 m/s	velocity		6.85			9.17			8.70	8.20	8.12		6.85	9.17	8.70	
Miyazawa, Yuki (JPN) (1990) <i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
FINAL - 2015 Japanese National Championships (Niigata, JPN)																	
date	28-Jun-15	time	2.04	3.21	4.29	5.34	6.36	7.42	8.48	9.56	10.64	11.77	11.77	4 / 2			
reaction time	0.158	interval		1.17	1.08	1.05	1.02	1.06	1.06	1.08	1.08	1.13		# of strides	4.29	3.13	3.22
wind	-0.3 m/s	velocity	4.90	8.55	9.26	9.52	9.80	9.43	9.43	9.26	9.26	8.85	8.50	53.0	6.99	9.58	9.32
Semi-Final 2 - 2015 Japanese National Championships (Niigata, JPN) <i>Matsuo (2015) - 2015 men's & women's 100m race analysis</i>																	
date	28-Jun-15	time	2.05	3.23	4.31	5.36	6.40	7.45	8.51	9.58	10.70	11.85	11.85	4 / 1			
reaction time	0.150	interval		1.18	1.08	1.05	1.04	1.05	1.06	1.07	1.12	1.15		# of strides	4.31	3.14	3.25
wind	-1.5 m/s	velocity	4.88	8.47	9.26	9.52	9.62	9.52	9.43	9.35	8.93	8.70	8.44	54.0	6.96	9.55	9.23
Möller, Silke (GDR) (1964) <i>Pascua (1990) - atletismo (I) carreras y marcha</i>																	
FINAL - 1989 IAAF World Cup (Barcelona, ESP)																	
date	09-Sep-89	time		3.20		5.23	6.21	7.18	8.16	9.18		11.24	11.24	/ 3			

reaction time	interval		2.03	0.98	0.97	0.98	1.02	2.06		# of strides	
wind	-1.1 m/s	velocity	6.25	9.85	10.20	10.31	10.20	9.80	9.71	8.90	53.7

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

1988 Olympic Games (Seoul, KOR)																	
date	25-Sep-88	time	2.07	3.18	4.24	5.22	6.20	7.16	8.14	9.14	10.13	11.12	11.12	8 / 5			
reaction time	0.154	interval	1.11	1.06	0.98	0.98	0.96	0.98	1.00	0.99	0.99	# of strides		4.24	2.92	2.97	
wind	0.5 m/s	velocity	4.83	9.01	9.43	10.20	10.20	10.42	10.20	10.00	10.10	10.10	8.99	7.08		10.27	10.10

*Gladisch-Möller, Silke (GDR) (1964)***FINAL** - 1987 IAAF World Championships (Rome, ITA)*Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes*

date	30-Aug-87	time	2.01	3.11	4.15	5.12	6.07	7.00	7.93	8.90	9.89	10.90	10.90	6 / 1			
reaction time	0.141	interval		1.10	1.04	0.97	0.95	0.93	0.93	0.97	0.99	1.01	CR	# of strides	4.15	2.85	2.89
wind	-0.5 m/s	velocity	4.98	9.09	9.62	10.31	10.53	10.75	10.75	10.31	10.10	9.90	9.17	53.0	7.23	10.53	10.38

Semi-Final 1 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	30-Aug-87	time	2.02	3.12	4.14	5.10	6.05	6.99	7.92	8.87	9.83	10.82	4 / 1				
reaction time		interval		1.10	1.02	0.96	0.95	0.94	0.93	0.95	0.96	0.99	# of strides	4.14	2.85	2.84	
wind	2.2 m/s	velocity	4.95	9.09	9.80	10.42	10.53	10.64	10.75	10.53	10.42	10.10	9.24	51.8	7.25	10.53	10.56

Quarter-Final 4 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

Quarter Final 4 - 1987 IAAF World Championships (Home, 11%)																Medal race (100%) - the 1987 IAAF World Championships																Semi-final project report time analysis at the 2nd WCM analysis															
date	29-Aug-87	time	2.08	3.18	4.22	5.21	6.19	7.16	8.18	9.23	10.26	11.29	11.29	/ 2																																	
reaction time		interval	1.10	1.04	0.99	0.98	0.97	1.02	1.05	1.03	1.03	# of strides												4.22	2.94	3.10																					
wind	-1.1 m/s	velocity	4.81	9.09	9.62	10.10	10.20	10.31	9.80	9.52	9.71	9.71	8.86													7.11	10.20	9.68																			

Heat 5 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	29-Aug-87	time	2.10	3.23	4.31	5.31	6.31	7.31	8.31	9.31	10.34	11.40	11.42	/ 2		
reaction time		interval	1.13	1.08	1.00	1.00	1.00	1.00	1.00	1.00	1.03	1.06	# of strides	4.31	3.00	3.03
wind	0.15 m/s	velocity	4.76	8.85	9.26	10.00	10.00	10.00	10.00	10.00	9.71	9.43	8.76	6.96	10.00	9.90

FINAL - 1987 East German National Championships (Postdam, GDR)*Tepper (1989) - zum entwicklungsstand und zum trainingssysteme des ddr-frauenkurzsprints*

date	20-Aug-97	time	4.15	7.00	8.91	10.86	10.86	/ 1	
reaction time		interval	2.85	1.91	1.95	PB	# of strides	4.15	2.85
wind	0.6 m/s	velocity	7.23	10.53	10.47	10.26	9.21	7.23	10.53

*Gladisch, Silke (GDR) (1964)***A FINAL** - 1983 Olympischen Tag (East Berlin, GDR)*Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84*

date	08-Jun-83	time	4.20	7.09	9.04	11.03	11.03	/ 3		
reaction time		interval		2.89	1.95	1.99	PB	# of strides	4.20	2.89
wind	1.7 m/s	velocity	7.14	10.38	10.26	10.05	9.07		7.14	10.38

FINAL - 1982 East German Spitzenklasse (Cottbus, GDR)*Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84*

date	21-Aug-82	time	4.35	7.34	9.34	11.33	11.33	/ 5	
reaction time		interval	2.99	2.00	1.99		# of strides	4.35	2.99
wind	4.3 m/s	velocity	6.90	10.03	10.00	10.05	8.83	6.90	10.03

*Möllinger, Anne (GER) (1985)***Heat 3** - 2010 Sparkassen-Gala (Regensburg, GER)*Graubner (2010) - <http://www.fgs.uni-halle.de>*

Table 5: 2010 Spain Robocon data (Regensburg, GER)										Grading: (2016) https://www.robocon-nation.de	
date	05-Jun-10	time	3.28	4.33	5.34	7.36	9.41	11.53	11.53	/ 3	
reaction time		interval		1.05	1.01	2.02	2.05	2.12		# of strides	4.33 3.03
wind	-0.7 m/s	velocity	6.10	9.52	9.90	9.90	9.76	9.43	8.67		6.93 9.90

B FINAL - 2009 ISTAF (Berlin, GER)*Graubner (2009) - <http://www.fgs.uni-halle.de>*

STYRIAL 2009-107141 (Bamini, GER)										Grubisic (2009) https://www.igs.uni-halle.de/	
date	14-Jun-09	time	3.36	4.42	5.45	7.48	9.53	11.62	11.62	/ 7	
reaction time	0.177	interval		1.06	1.03	2.03	2.05	2.09		# of strides 4.42 3.06	
wind	0.1 m/s	velocity	5.95	9.43	9.71	9.85	9.76	9.57	8.61	6.79 9.80	

*Molnar, Edit (HUN) (1965)***FINAL** - 1991 European Cup (Frankfurt, GER)*Federle (2003) - <http://www.fgs.uni-halle.de>*

date	29-Jun-91	time	4.40	7.69	9.95	12.25	12.25	/ 8		
reaction time		interval	3.29	2.26	2.30			# of strides	4.40	3.29
wind	-2.7 m/s	velocity	6.82	9.12	8.85	8.70	8.16		6.82	9.12

*Mondie-Milner, Celena (USA) (1968)***Semi-Final 2** - 1996 USA Olympic Trials (Atlanta, GA)*USATF Women's Sprint Development (1996)*

1996 USA Olympic Trials (Atlanta, GA)						USAF - Women's Sprint Development (1996)				
date	15-Jun-96		time	2.09	4.27	6.20	10.11	11.19	11.19	6 / 5
reaction time		interval		2.18	1.93		3.91	1.08		# of strides
wind	0.2 m/s	velocity	4.78	9.17	10.36		10.23	9.26	8.94	50.5
										7.03

FINAL - 1995 USATF National Championships (Sacramento, CA)*Lyle - miscellaneous coaching notes*

1995 USA National Championships (Cedarhurst, NY)													Eyo - miscellaneous coaching notes			
date	16-Jun-95	time	1.98	3.14	4.18	5.19	6.14	7.15	8.13	9.14	10.17	11.22	11.22	5 / 3		
reaction time		interval		1.16	1.04	1.01	0.95	1.01	0.98	1.01	1.03	1.05	# of strides	4.18	2.97	3.02
wind	0.0 m/s	velocity	5.05	8.62	9.62	9.90	10.53	9.90	10.20	9.90	9.71	9.52	8.91	7.18	10.10	9.93

Moore, Connie (USA) (1981)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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Semi-Final 2 - 2005 USATF National Championships (Carson, CA)*USATF Women's Sprint Development (2005)*

date	25-Jun-05	time	2.14	3.30	4.37	5.37	6.37	7.34	8.33	9.34	10.31	11.36	11.36	9 / 5			
reaction time		interval		1.16	1.07	1.00	1.00	0.97	0.99	1.01	0.97	1.05		# of strides	4.37	2.97	2.97
wind	2.1 m/s	velocity	4.67	8.62	9.35	10.00	10.00	10.31	10.10	9.90	10.31	9.52	8.80		6.86	10.10	10.10

Heat 3 - 2005 USATF National Championships (Carson, CA)*USATF Women's Sprint Development (2005)*

date	24-Jun-05	time	2.14	3.34	4.39	5.44	6.42	7.41	8.39	9.39	10.44	11.47	11.47	9 / 5			
reaction time		interval		1.20	1.05	1.05	0.98	0.99	0.98	1.00	1.05	1.03		# of strides	4.39	3.02	3.03
wind	1.4 m/s	velocity	4.67	8.33	9.52	9.52	10.20	10.10	10.20	10.00	9.52	9.71	8.72		6.83	9.93	9.90

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

date	10-Jul-04	time	2.17	3.30	4.35	5.42	6.42	7.44	8.43	9.44	10.49	11.60	11.60	2 / 7 5			
reaction time		interval		1.13	1.05	1.07	1.00	1.02	0.99	1.01	1.05	1.11		# of strides	4.35	3.09	3.05
wind	-0.1 m/s	velocity	4.61	8.85	9.52	9.35	10.00	9.80	10.10	9.90	9.52	9.01	8.62	53.2	6.90	9.71	9.84

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

date	09-Jul-04	time	2.16	3.30	4.37	5.38	6.36	7.36	8.33	9.38	10.39	11.47	11.47	6 / 4 3			
reaction time		interval		1.14	1.07	1.01	0.98	1.00	0.97	1.05	1.01	1.08		# of strides	4.37	2.99	3.03
wind	-1.4 m/s	velocity	4.63	8.77	9.35	9.90	10.20	10.00	10.31	9.52	9.90	9.26	8.72	54.5	6.86	10.03	9.90

Moore, LaShaunte'a (USA) (1983)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2009 Windsprint (Sundsvall, SWE)***(2009) - www.ssg.se/en/Windsprint/Split-times/*

date	25-Jul-09	time		4.28		7.25		9.19		11.25		11.25		1 / 1			
reaction time		interval				2.97		1.94		2.06				# of strides	4.28	2.97	
wind	2.0 m/s	velocity		7.01		10.10		10.31		9.71		8.89			7.01	10.10	

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

date	28-Jun-08	time	2.16	3.27	4.32	5.30	6.28	7.22	8.21	9.19	10.14	11.22	11.22	7 / 8			
reaction time		interval		1.11	1.05	0.98	0.98	0.94	0.99	0.98	0.95	1.08		# of strides	4.32	2.90	2.92
wind	1.0 m/s	velocity	4.63	9.01	9.52	10.20	10.20	10.64	10.10	10.20	10.53	9.26	8.91	48.0	6.94	10.34	10.27

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

date	28-Jun-08	time	2.16	3.28	4.29	5.29	6.24	7.17	8.16	9.10	10.06	11.03	11.03	7 / 4			
reaction time		interval		1.12	1.01	1.00	0.95	0.93	0.99	0.94	0.96	0.97	PB	# of strides	4.29	2.88	2.89
wind	1.8 m/s	velocity	4.63	8.93	9.90	10.00	10.53	10.75	10.10	10.64	10.42	10.31	9.07	48.0	6.99	10.42	10.38

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

date	27-Jun-08	time	2.15	3.25	4.27	5.27	6.21	7.17	8.14	9.08	10.03	11.04	11.04	6 / 4			
reaction time		interval		1.10	1.02	1.00	0.94	0.96	0.97	0.94	0.95	1.01		# of strides	4.27	2.90	2.86
wind	2.3 m/s	velocity	4.65	9.09	9.80	10.00	10.64	10.42	10.31	10.64	10.53	9.90	9.06		7.03	10.34	10.49

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

date	27-Jun-08	time	2.11	3.25	4.28	5.29	6.24	7.20	8.15	9.11	10.11	11.12	11.12	4 / 3			
reaction time		interval		1.14	1.03	1.01	0.95	0.96	0.95	0.96	1.00	1.01	PB	# of strides	4.28	2.92	2.91
wind	1.4 m/s	velocity	4.74	8.77	9.71	9.90	10.53	10.42	10.53	10.42	10.00	9.90	8.99		7.01	10.27	10.31

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

date	25-Jun-05	time	2.05	3.27	4.35	5.44	6.45	7.47	8.47	9.53	10.58	11.64	11.64	9 / 8			
reaction time		interval		1.22	1.08	1.09	1.01	1.02	1.00	1.06	1.05	1.06		# of strides	4.35	3.12	3.11
wind	-1.6 m/s	velocity	4.88	8.20	9.26	9.17	9.90	9.80	10.00	9.43	9.52	9.43	8.59	50.2	6.90	9.62	9.65

Semi-Final 1 - 2005 USATF National Championships (Carson, CA)*USATF Women's Sprint Development (2005)*

date	25-Jun-05	time	2.14	3.25	4.31	5.31	6.29	7.27	8.23	9.24	10.23	11.25	11.25	5 / 5			
reaction time		interval		1.11	1.06	1.00	0.98	0.98	0.96	1.01	0.99	1.02		# of strides	4.31	2.96	2.96
wind	3.0 m/s	velocity	4.67	9.01	9.43	10.00	10.20	10.20	10.42	9.90	10.10	9.80	8.89		6.96	10.14	10.14

Heat 2 - 2005 USATF National Championships (Carson, CA)*USATF Women's Sprint Development (2005)*

date	24-Jun-05	time	2.12	3.27	4.34	5.36	6.39	7.41	8.41	9.44	10.51	11.55	11.55	4 / 3			
reaction time		interval		1.15	1.07	1.02	1.03	1.02	1.00	1.03	1.07	1.04		# of strides	4.34	3.07	3.10
wind	-0.7 m/s	velocity	4.72	8.70	9.35	9.80	9.71	9.80	10.00	9.71	9.35	9.62	8.66		6.91	9.77	9.68

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

date	09-Jul-04	time	2.17	3.35	4.42	5.46	6.46	7.52	8.54	9.59	10.66	11.76	11.76	2 / 4 3			
reaction time		interval		1.18	1.07	1.04	1.00	1.06	1.02	1.05	1.07	1.10		# of strides	4.42	3.10	3.14
wind	-1.0 m/s	velocity	4.61	8.47	9.35	9.62	10.00	9.43	9.80	9.52	9.35	9.09	8.50	51.0	6.79	9.68	9.55

Morgan, Lynette (SWE) (1991)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****A FINAL - 2014 Windsprint (Sundsvall, SWE)***(2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time		4.48		7.71		9.87		12.06		12.06		1 / 7			
reaction time		interval				3.23		2.16		2.19		PB		# of strides	4.48	3.23	
wind	1.2 m/s	velocity		6.70		9.29		9.26		9.13		8.29			6.70	9.29	

D FINAL - 2013 Windsprint (Sundsvall, SWE)(2013) - www.ssg.se/windsprint/Splittider/

date	28-Jul-13	time	4.69	8.03	10.28	12.61	12.61	7 / 5		
reaction time		interval		3.34	2.25	2.33		# of strides	4.69	3.34
wind	2.7 m/s	velocity	6.40	8.98	8.89	8.58	7.93		6.40	8.98

Morrison, Natasha (JAM) (1992)**FINAL - 2023 Prefontaine Classic (Eugene, OR)** *Omega Timing (2023) - diamond league race analysis*

date	16-Sep-23	time	2.00	3.10	4.12	5.09	6.03	6.98	7.93	8.88	9.85	10.85	10.85	8 / 6			
reaction time	0.143	interval		1.10	1.02	0.97	0.94	0.95	0.95	0.95	0.97	1.00	PB	# of strides	4.12	2.86	2.87
wind	0.8 m/s	velocity	5.00	9.09	9.80	10.31	10.64	10.53	10.53	10.53	10.31	10.00	9.22	48.0	7.28	10.49	10.45

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

date	08-Sep-23	time	2.03	3.15	4.16	5.13	6.09	7.05	8.00	8.96	9.94	10.95	10.95	2 / 2			
reaction time	0.175	interval		1.12	1.01	0.97	0.96	0.96	0.95	0.96	0.98	1.01		# of strides	4.16	2.89	2.89
wind	0.0 m/s	velocity	4.93	8.93	9.90	10.31	10.42	10.42	10.53	10.42	10.20	9.90	9.13	48.5	7.21	10.38	10.38

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

date	31-Aug-23	time	2.01	3.13	4.15	5.12	6.08	7.03	8.00	8.98	9.98	11.00	11.00	1 / 2			
reaction time	0.158	interval		1.12	1.02	0.97	0.96	0.95	0.97	0.98	1.00	1.02		# of strides	4.15	2.88	2.95
wind	-0.2 m/s	velocity	4.98	8.93	9.80	10.31	10.42	10.53	10.31	10.20	10.00	9.80	9.09	49.0	7.23	10.42	10.17

FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)*Omega Timing (2022) - diamond league race analysis*

date	06-Aug-22	time		3.14		0.16		7.11		9.11		11.20	11.20	9 / 9		
reaction time	0.150	interval				-2.98		6.95		2.00		2.09		# of strides		
wind	0.5 m/s	velocity		6.37		-6.71		2.88		10.00		9.57	8.93	48.5		

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

date	05-Jun-22	time		3.13		5.17		7.13		9.13		11.22	11.22	4 / 3		
reaction time	0.147	interval				2.04		1.96		2.00		2.09		# of strides		
wind	0.3 m/s	velocity		6.39		9.80		10.20		10.00		9.57	8.91	49.0		

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

date	09-Sep-21	time		3.2		5.2		7.2		9.1		11.10	11.10	1 / 7		
reaction time	0.160	interval				2.00		2.00		1.90		2.00		# of strides		
wind	0.6 m/s	velocity		6.25		10.00		10.00		10.53		10.00	9.01	49.0		

Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR)*Omega Timing (2021) - diamond league race analysis*

date	23-May-21	time		3.0		5.1		7.2		9.4		11.88	11.88	3 / 5		
reaction time	0.194	interval				2.10		2.10		2.20		2.48		# of strides		
wind	-4.2 m/s	velocity		6.67		9.52		9.52		9.09		8.06	8.42	53.0		

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

date	20-Jul-14	time		4.23				7.23		9.25		11.34	11.34	4 / 3		
reaction time		interval						3.00		2.02		2.09		# of strides	4.23	3.00
wind	1.2 m/s	velocity		7.09				10.00		9.90		9.57	8.82		7.09	10.00

A FINAL - 2013 Windsprint (Sundsvall, SWE)(2013) - www.ssg.se/windsprint/Splittider/

date	28-Jul-13	time		4.21				7.14		9.09		11.12	11.12	5 / 2		
reaction time		interval						2.93		1.95		2.03		# of strides	4.21	2.93
wind	2.2 m/s	velocity		7.13				10.24		10.26		9.85	8.99		7.13	10.24

Mrnová, Markéta (CZE) (1991)**Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)** *Feher (2013) - Final report from the men's & women's Czech Republic national championships*

date	15-Jun-13	time		3.49		5.76		7.98		10.27		12.57	12.57	7 / 6		
reaction time	0.160	interval				2.27		2.22		2.29		2.30		# of strides		
wind	-0.6 m/s	velocity		5.73		8.81		9.01		8.73		8.70	7.96			

Heat 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)*Feher (2012) - Czech Republic indoor national championships - women's 60m*

date	25-Feb-12	time	2.25	3.51	4.66	5.82	6.95	8.07				8.07	7 / 6		
reaction time	0.161	interval		1.26	1.15	1.16	1.13	1.12					# of strides	4.66	3.41
		velocity	4.44	7.94	8.70	8.62	8.85	8.93				7.43		6.44	8.80

Mulrain, Sabrina (GER) (1978)**B FINAL - 2000 ISTAF (Berlin, GER)** *Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	01-Sep-00	time		3.30	4.36	5.39		7.40				11.54	11.54	/ 3		
reaction time	0.192	interval			1.06	1.03		2.01				4.14	PB	# of strides	4.36	3.04
wind	0.1 m/s	velocity		6.06	9.43	9.71		9.95				9.66	8.67		6.88	9.87

Murková, Eva (TCH) (1962)**FINAL - 1987 European Cup (Prague, TCH)** *Sušanka (1987) - hints on computer processing of biomechanical data*

date	28-Jun-87	time	2.04	3.21	4.25	5.25	6.25	7.25	8.28	9.32	10.37	11.43	11.43	4 / 5			
reaction time		interval		1.17	1.04	1.00	1.00	1.00	1.03	1.04	1.05	1.06		# of strides	4.25	3.00	3.12

wind	-0.4 m/s	velocity	4.90	8.55	9.62	10.00	10.00	10.00	9.71	9.62	9.52	9.43	8.75	50.9	7.06	10.00	9.62
Myers, Sandra (ESP) (1961)																	
FINAL	- 1989 IAAF World Cup (Barcelona, ESP)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	09-Sep-89	time		3.26		5.31	6.30	7.30	8.29	9.29		11.36	11.36	/ 6			
reaction time		interval				2.05	0.99	1.00	0.99	1.00		2.07		# of strides			
wind	-1.1 m/s	velocity		6.13		9.76	10.10	10.00	10.10	10.00		9.66	8.80	48.1			
Myrick, Wyllesheia (USA) (1979)																	
Quarter-Final 3	- 2008 USA Olympic Trials (Eugene, OR)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	27-Jun-08	time	2.10	3.24	4.26	5.24	6.20	7.16	8.13	9.13	10.17	11.19	11.19	2 / 7			
reaction time		interval		1.14	1.02	0.98	0.96	0.96	0.97	1.00	1.04	1.02		# of strides	4.26	2.90	3.01
wind	2.3 m/s	velocity	4.76	8.77	9.80	10.20	10.42	10.42	10.31	10.00	9.62	9.80	8.94		7.04	10.34	9.97
Heat 3	- 2008 USA Olympic Trials (Eugene, OR)																
date	27-Jun-08	time	2.08	3.24	4.27	5.27	6.27	7.25	8.24	9.24	10.29	11.33	11.33	4 / 4			
reaction time		interval		1.16	1.03	1.00	1.00	0.98	0.99	1.00	1.05	1.04		# of strides	4.27	2.98	3.04
wind	1.1 m/s	velocity	4.81	8.62	9.71	10.00	10.00	10.20	10.10	10.00	9.52	9.62	8.83		7.03	10.07	9.87
Semi-Final 1	- 2005 USATF National Championships (Carson, CA)																
date	25-Jun-05	time	2.06	3.22	4.27	5.28	6.31	7.36	8.48	9.84	11.60	16.44	16.44	2 / 9			
reaction time		interval		1.16	1.05	1.01	1.03	1.05	1.12	1.36	1.76	4.84		# of strides	4.27	3.09	4.24
wind	3.0 m/s	velocity	4.85	8.62	9.52	9.90	9.71	9.52	8.93	7.35	5.68	2.07	6.08		7.03	9.71	7.08
Heat 2	- 2005 USATF National Championships (Carson, CA)																
date	24-Jun-05	time	2.14	3.31	4.35	5.39	6.41	7.42	8.43	9.50	10.59	11.67	11.67	9 / 5			
reaction time		interval		1.17	1.04	1.04	1.02	1.01	1.01	1.07	1.09	1.08		# of strides	4.35	3.07	3.17
wind	-0.7 m/s	velocity	4.67	8.55	9.62	9.62	9.80	9.90	9.90	9.35	9.17	9.26	8.57		6.90	9.77	9.46
Semi-Final 2	- 2004 USA Olympic Trials (Sacramento, CA)																
date	10-Jul-04	time	2.09	3.22	4.25	5.22	6.20	7.21	8.19	9.17	10.21	11.28	11.28	2 / 5 4			
reaction time		interval		1.13	1.03	0.97	0.98	1.01	0.98	0.98	1.04	1.07		# of strides	4.25	2.96	3.00
wind	-0.7 m/s	velocity	4.78	8.85	9.71	10.31	10.20	9.90	10.20	10.20	9.62	9.35	8.87	51.0	7.06	10.14	10.00
Quarter-Final 2	- 2004 USA Olympic Trials (Sacramento, CA)																
date	09-Jul-04	time	2.12	3.25	4.30	5.31	6.29	7.27	8.28	9.28	10.35	11.42	11.42	3 / 3 2			
reaction time		interval		1.13	1.05	1.01	0.98	0.98	1.01	1.00	1.07	1.07		# of strides	4.30	2.97	3.08
wind	-1.4 m/s	velocity	4.72	8.85	9.52	9.90	10.20	10.20	9.90	10.00	9.35	9.35	8.76	52.0	6.98	10.10	9.74
Næss, Heidi Hesson (NOR) (1989)																	
C FINAL	- 2015 Windsprint (Sundsvall, SWE)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	26-Jul-15	time						7.91		10.13		12.42	12.42	3 / 2			
reaction time		interval								2.22		2.29		# of strides			
wind	0.1 m/s	velocity						7.59		9.01		8.73	8.05				
C FINAL	- 2014 Windsprint (Sundsvall, SWE)																
date	20-Jul-14	time			4.56			7.81		9.97		12.17	12.17	5 / 2			
reaction time		interval						3.25		2.16		2.20		# of strides	4.56	3.25	
wind	0.7 m/s	velocity			6.58			9.23		9.26		9.09	8.22		6.58	9.23	
C FINAL	- 2013 Windsprint (Sundsvall, SWE)																
date	28-Jul-13	time			4.60			7.79		9.92		12.14	12.14	5 / 3			
reaction time		interval						3.19		2.13		2.22		# of strides	4.60	3.19	
wind	-0.1 m/s	velocity			6.52			9.40		9.39		9.01	8.24		6.52	9.40	
Nagaishi, Koyuki (JPN) (2003)																	
FINAL	- 2021 Japanese High School National Championships (Fukui, JPN)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	29-Jul-21	time	2.05	3.23	4.31	5.34	6.36	7.39	8.43	9.48	10.55	11.65	11.65	3 / 1			
reaction time	0.130	interval		1.18	1.08	1.03	1.02	1.03	1.04	1.05	1.07	1.10	=PB	# of strides	4.31	3.08	3.16
wind	-0.2 m/s	velocity	4.88	8.47	9.26	9.71	9.80	9.71	9.62	9.52	9.35	9.09	8.58	47.2	6.96	9.74	9.49
U18 FINAL	- 2019 National Sports Festival (Hitachinaka, JPN)																
date	04-Oct-19	time			4.51		6.75					12.34	12.34	3 / 5			
reaction time	0.158	interval					2.24					5.59		# of strides	4.51		
wind	-1.8 m/s	velocity			6.65		2.96					8.94	8.10	54.0	6.65		
Nagakura, Yuka (JPN) (1987)																	
B FINAL	- 2008 Nambu Chuhei Memorial (Hakodate, JPN)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
date	06-Jul-08	time	2.17	3.38	4.50	5.57	6.64	7.72	8.81	9.91	11.02	12.16	12.16	???			
reaction time		interval		1.21	1.12	1.07	1.07	1.08	1.09	1.10	1.11	1.14		# of strides	4.50	3.22	3.30
wind	0.5 m/s	velocity	4.61	8.26	8.93	9.35	9.35	9.26	9.17	9.09	9.01	8.77	8.22		6.67	9.32	9.09

FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)														<i>Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics</i>			
date	30-Jul-10	time	2.10	3.30	5.53	6.64	7.76	8.91	10.07	11.22	12.44	12.44	5 / 5				
reaction time		interval		1.20	2.23	1.11	1.12	1.15	1.16	1.15	1.22		# of strides			3.38	
wind	-3.2 m/s	velocity	4.76	8.33	8.97	9.01	8.93	8.70	8.62	8.70	8.20	8.04				8.88	
Nana, Lynda (FRA) (1978)																	
Heat 1 - 1996 International French Championships (Bercy, FRA)														<i>Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m</i>			
date	10-Feb-96	time	1.99	3.25	4.32	5.38	6.43	7.48				7.48	/ 3				
reaction time		interval		1.26	1.07	1.06	1.05	1.05					# of strides	4.32	3.16		
		velocity	5.03	7.94	9.35	9.43	9.52	9.52				8.02		6.94	9.49		
Näslund, Sofie (SWE) (1992)																	
D FINAL - 2009 Windsprint (Sundsvall, SWE)														<i>(2009) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	25-Jul-09	time		4.67			8.36		10.76		13.30	13.30	/ 2				
reaction time		interval					3.69		2.40		2.54		# of strides	4.67	3.69		
wind	0.8 m/s	velocity		6.42			8.13		8.33		7.87	7.52		6.42	8.13		
Nauru, Hassan (JPN) (2004)																	
U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)														<i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>			
date	04-Oct-19	time		4.51		6.70					12.16	12.16	7 / 2				
reaction time	0.188	interval				2.19					5.46		# of strides	4.51			
wind	-1.8 m/s	velocity		6.65		2.99					9.16	8.22	49.2	6.65			
Neal, Tangela (USA) (1979)																	
FINAL - 2008 Windsprint (Sundsvall, SWE)														<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	06-Jul-08	time		4.27		7.32		9.45		11.70	11.70		4 / 6				
reaction time		interval				3.05		2.13		2.25			# of strides	4.27	3.05		
wind	1.0 m/s	velocity		7.03		9.84		9.39		8.89	8.55			7.03	9.84		
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)														<i>USATF Women's Sprint Development with HPC (2008)</i>			
date	27-Jun-08	time	2.08	3.24	4.27	5.28	6.26	7.30	8.37	9.44	10.54	11.64	11.64	7 / 7			
reaction time		interval		1.16	1.03	1.01	0.98	1.04	1.07	1.07	1.10	1.10		# of strides	4.27	3.03	3.24
wind	2.2 m/s	velocity	4.81	8.62	9.71	9.90	10.20	9.62	9.35	9.35	9.09	9.09	8.59		7.03	9.90	9.26
Neita, Daryll (GBR) (1996)																	
FINAL - 2023 London Athletics Meet (London, GBR)														<i>Omega Timing (2023) - diamond league race analysis</i>			
date	23-Jul-23	time	2.02	3.14	4.16	5.13	6.09	7.04	8.00	8.97	9.95	10.96	10.96	6 / 4			
reaction time	0.144	interval		1.12	1.02	0.97	0.96	0.95	0.96	0.97	0.98	1.01		# of strides	4.16	2.88	2.91
wind	1.2 m/s	velocity	4.95	8.93	9.80	10.31	10.42	10.53	10.42	10.31	10.20	9.90	9.12	47.7	7.21	10.42	10.31
FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)														<i>Omega Timing (2023) - diamond league race analysis</i>			
date	16-Jul-23	time	1.99	3.12	4.15	5.13	6.08	7.04	8.01	8.98	9.97	11.01	11.01	7 / 5			
reaction time	0.141	interval		1.13	1.03	0.98	0.95	0.96	0.97	0.97	0.99	1.04		# of strides	4.15	2.89	2.93
wind	0.2 m/s	velocity	5.03	8.85	9.71	10.20	10.53	10.42	10.31	10.31	10.10	9.62	9.08	47.7	7.23	10.38	10.24
FINAL - 2023 Athletissima (Lausanne, SUI)														<i>Omega Timing (2023) - diamond league race analysis</i>			
date	30-Jun-23	time	2.02	3.16	4.18	5.17	6.14	7.10	8.07	9.05	10.04	11.07	11.07	3 / 2			
reaction time	0.135	interval		1.14	1.02	0.99	0.97	0.96	0.97	0.98	0.99	1.03		# of strides	4.18	2.92	2.94
wind	-0.8 m/s	velocity	4.95	8.77	9.80	10.10	10.31	10.42	10.31	10.20	10.10	9.71	9.03	48.0	7.18	10.27	10.20
FINAL - 2023 FBK Games (Hengelo, NED)														<i>Omega Timing (2023) - continental tour race analysis</i>			
date	04-Jun-23	time	2.09	3.22	4.24	5.21	6.17	7.12	8.08	9.04	10.03	11.05	11.05	4 / 1			
reaction time		interval		1.13	1.02	0.97	0.96	0.95	0.96	0.96	0.99	1.02		# of strides	4.24	2.88	2.91
wind	-0.1 m/s	velocity	4.78	8.85	9.80	10.31	10.42	10.53	10.42	10.42	10.10	9.80	9.05	47.7	7.08	10.42	10.31
FINAL - 2022 Weltklasse (Zürich, SUI)														<i>Omega Timing (2022) - diamond league race analysis</i>			
date	08-Sep-22	time		3.19		5.19		7.11		9.03		11.02	11.02	8 / 4			
reaction time	0.167	interval				2.00		1.92		1.92		1.99		# of strides			
wind	-0.8 m/s	velocity		6.27		10.00		10.42		10.42		10.05	9.07	48.0			
FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)														<i>Omega Timing (2022) - diamond league race analysis</i>			
date	10-Aug-22	time		3.23		5.19		7.08		8.97		10.91	10.91	8 / 6			
reaction time	0.176	interval				1.96		1.89		1.89		1.94		# of strides			
wind	0.4 m/s	velocity		6.19		10.20		10.58		10.58		10.31	9.17	47.0			
FINAL - 2022 Commonwealth Games (Birmingham, GBR)														<i>Longines Timing (2022) - commonwealth games race analysis</i>			
date	03-Aug-22	time		3.1		5.1		7.1		9.0		11.07	11.07	5 / 3			
reaction time	0.148	interval				2.00		2.00		1.90		2.07		# of strides			
wind	0.4 m/s	velocity		6.45		10.00		10.00		10.53		9.66	9.03	47.5			
FINAL - 2022 Meeting de Paris (Paris, FRA)														<i>Omega Timing (2022) - diamond league race analysis</i>			
date	18-Jun-22	time		3.16		5.14		7.06		8.99		10.99	10.99	7 / 2			

reaction time	0.145	interval		1.98	1.92	1.93	2.00		# of strides						
wind	0.5 m/s	velocity	6.33	10.10	10.42	10.36	10.00	9.10	47.5						
FINAL - 2022 FBK Games (Hengelo, NED)										Omega Timing (2022) - continental tour race analysis					
date	06-Jun-22	time	3.1	5.2	7.1	9.1	11.19	11.19	6 / 1						
reaction time	0.141	interval		2.10	1.90	2.00	2.09		# of strides						
wind	0.8 m/s	velocity	6.45	9.52	10.53	10.00	9.57	8.94	48.0						
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)										Omega Timing (2022) - diamond league race analysis					
date	21-May-22	time	3.13	5.16	7.14	9.16	11.25	11.25	7 / 4						
reaction time	0.141	interval		2.03	1.98	2.02	2.09		# of strides						
wind	-0.1 m/s	velocity	6.39	9.85	10.10	9.90	9.57	8.89	51.7						
FINAL - 2021 Weltklasse (Zürich, SUI)										Omega Timing (2021) - diamond league race analysis					
date	09-Sep-21	time	3.2	5.2	7.1	9.0	10.93	10.93	8 / 4						
reaction time	0.117	interval		2.00	1.90	1.90	1.93	PB	# of strides						
wind	0.6 m/s	velocity	6.25	10.00	10.53	10.53	10.36	9.15	48.0						
FINAL - 2021 Athletissima (Lausanne, SUI)										Omega Timing (2021) - diamond league race analysis					
date	26-Aug-21	time	3.2	5.2	7.1	9.0	10.96	10.96	8 / 5						
reaction time	0.137	interval		2.00	1.90	1.90	1.96	=PB	# of strides						
wind	1.7 m/s	velocity	6.25	10.00	10.53	10.53	10.20	9.12	47.7						
FINAL - 2020 Olympic Games (Tokyo, JPN)										Vazel (2021) - analyzing the olympic 100-meter sprints					
date	31-Jul-21	time	4.20	7.11	9.10	11.12	11.12		2 / 8						
reaction time	0.108	interval		2.91	4.01	2.02			# of strides	4.20 2.91					
wind	-0.6 m/s	velocity	7.14	10.31	4.99	9.90	8.99		48.0	7.14 10.31					
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)										European Athletics (2019) - race analysis					
date	09-Sep-19	time		6.23			11.29	11.29	7 / 1						
reaction time	0.148	interval					5.06		# of strides						
wind	-0.8 m/s	velocity		8.03			9.88	8.86	49.0						
Nelson, Ashleigh (GBR) (1991)															
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2009 ISTAF (Berlin, GER)											Graubner (2009) - http://www.fgs.uni-halle.de				
date	14-Jun-09	time	3.24	4.27	5.27	7.25	9.28	11.36	11.36		11.36	/ 2			
reaction time	0.247	interval		1.03	1.00	1.98	2.03	2.08	PB		2.08	# of strides	4.27	2.98	
wind	0.9 m/s	velocity	6.17	9.71	10.00	10.10	9.85	9.62	8.80		9.62		7.03	10.07	
Nesbitt, Amberly (USA) (1986)															
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2005 USATF National Junior Championships (Carson, CA)											USATF Women's Sprint Development (2005)				
date	23-Jun-05	time	2.10	3.25	4.31	5.36	6.37	7.41	8.43	9.51	10.58	11.67	11.67	6 / 2	
reaction time		interval		1.15	1.06	1.05	1.01	1.04	1.02	1.08	1.07	1.09		# of strides	4.31 3.10 3.17
wind	-1.1 m/s	velocity	4.76	8.70	9.43	9.52	9.90	9.62	9.80	9.26	9.35	9.17	8.57		6.96 9.68 9.46
Nestoret, Maguy (FRA) (1969)															
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1991 European Cup (Frankfurt, GER)											Federle (2003) - http://www.fgs.uni-halle.de				
date	29-Jun-91	time		4.30		7.47		9.60		11.78	11.78	/ 5			
reaction time		interval				3.17		2.13		2.18		# of strides	4.30	3.17	
wind	-2.7 m/s	velocity		6.98		9.46		9.39		9.17	8.49		6.98	9.46	
Niculae, Erica (ROU) (1973)															
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1997 European Cup (Munich, GER)											Jung (2003) - http://www.fgs.uni-halle.de				
date	21-Jun-97	time	2.13	4.41		7.56		9.70		11.89	11.89	/ 8			
reaction time		interval		2.28		3.15		2.14		2.19		# of strides	4.41	3.15	
wind	0.6 m/s	velocity	4.69	4.54		9.52		9.35		9.13	8.41		6.80	9.52	
Nikamo, Karolina (SWE) (1995)															
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
A FINAL - 2016 Windsprint (Sundsvall, SWE)											(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time	4.52			7.71				12.04	12.04	8 / 4			
reaction time		interval				3.19				4.33		# of strides	4.52	3.19	
wind	2.0 m/s	velocity	6.64			9.40				9.24	8.31		6.64	9.40	
Heat 1 - 2016 Windsprint (Sundsvall, SWE)											(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time	4.45			7.71				12.24	12.24	7 / 8			
reaction time		interval				3.26				4.53		# of strides	4.45	3.26	
wind	-0.3 m/s	velocity	6.74			9.20				8.83	8.17		6.74	9.20	
A FINAL - 2014 Windsprint (Sundsvall, SWE)											(2014) - www.ssg.se/windsprint/Splittider/				
date	20-Jul-14	time	4.47			7.65		9.82		12.07	12.07	8 / 8			
reaction time		interval				3.18		2.17		2.25		# of strides	4.47	3.18	
wind	1.2 m/s	velocity	6.71			9.43		9.22		8.89	8.29		6.71	9.43	

C FINAL - 2013 Windsprint (Sundsvall, SWE)															
(2013) - www.ssg.se/windsprint/Splittider/															
date	28-Jul-13	time	4.43			7.61		9.83		12.13	12.13	3 / 2			
reaction time		interval				3.18		2.22		2.30		# of strides	4.43	3.18	
wind	-0.1 m/s	velocity	6.77			9.43		9.01		8.70	8.24		6.77	9.43	
C FINAL - 2012 Windsprint (Sundsvall, SWE)															
(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx															
date	17-Jun-12	time	4.53			7.84		10.07		12.41	12.41	/ 4			
reaction time		interval				3.31		2.23		2.34		# of strides	4.53	3.31	
wind	0.6 m/s	velocity	6.62			9.06		8.97		8.55	8.06		6.62	9.06	
Nkansa, Delphine (BEL) (2001)															
FINAL - 2023 FBK Games (Hengelo, NED)															
Omega Timing (2023) - continental tour race analysis															
date	04-Jun-23	time	2.03	3.18	4.23	5.23	6.22	7.22	8.22	9.22	10.25	11.32	11.32	1 / 7	
reaction time		interval		1.15	1.05	1.00	0.99	1.00	1.00	1.00	1.03	1.07		# of strides	4.23 2.99 3.03
wind	-0.1 m/s	velocity	4.93	8.70	9.52	10.00	10.10	10.00	10.00	10.00	9.71	9.35	8.83	51.0	7.09 10.03 9.90
FINAL - 2022 Memorial van Damme (Brussels, BEL)															
Omega Timing (2022) - diamond league race analysis															
date	02-Sep-22	time		3.21		5.26		7.23		9.23	11.29	11.29	8 / 8		
reaction time	0.135	interval				2.05		1.97		2.00	2.06		# of strides		
wind	0.6 m/s	velocity		6.23		9.76		10.15		10.00	9.71	8.86	51.2		
Nilsson, Evelina (SWE) (1994)															
B FINAL - 2017 Windsprint (Sundsvall, SWE)															
(2017) - www.windsprint/Splittider/															
date	30-Jul-17	time		4.64		6.89	8.02		10.27		12.71	12.71	7 / 5		
reaction time		interval				2.25	1.13		2.25		2.44		# of strides	4.64 3.38	
wind	1.6 m/s	velocity		6.47		8.89	8.85		8.89		8.20	7.87		6.47 8.88	
C FINAL - 2015 Windsprint (Sundsvall, SWE)															
(2015) - www.windsprint/Splittider/															
date	26-Jul-15	time		4.46			7.72		9.94		12.24	12.24	2 / 1		
reaction time		interval					3.26		2.22		2.30		# of strides	4.46 3.26	
wind	0.1 m/s	velocity		6.73			9.20		9.01		8.70	8.17		6.73 9.20	
C FINAL - 2014 Windsprint (Sundsvall, SWE)															
(2014) - www.ssg.se/windsprint/Splittider/															
date	20-Jul-14	time		4.65			7.99		10.29		12.63	12.63	8 / 6		
reaction time		interval					3.34		2.30		2.34		# of strides	4.65 3.34	
wind	0.7 m/s	velocity		6.45			8.98		8.70		8.55	7.92		6.45 8.98	
C FINAL - 2012 Windsprint (Sundsvall, SWE)															
(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx															
date	17-Jun-12	time		4.53			7.82		10.04		12.35	12.35	/ 3		
reaction time		interval					3.29		2.22		2.31		# of strides	4.53 3.29	
wind	0.6 m/s	velocity		6.62			9.12		9.01		8.66	8.10		6.62 9.12	
Nilsson, Pernilla (SWE) (1992)															
FINAL - 2012 Windsprint (Sundsvall, SWE)															
(2012) - www.elitlandslag.se/SprintHack/KortSprint.aspx															
date	17-Jun-12	time		4.45			7.61		9.74		11.98	11.98	2 / 7		
reaction time		interval					3.16		2.13		2.24		# of strides	4.45 3.16	
wind	1.0 m/s	velocity		6.74			9.49		9.39		8.93	8.35		6.74 9.49	
Nilsson, Rebecca (SWE) (1993)															
B FINAL - 2010 Windsprint (Sundsvall, SWE)															
(2010) - www.ssg.se/en/Windsprint/Split-times/															
date	08-Aug-10	time		4.69			8.03		10.28		12.66	12.66	/ 8		
reaction time		interval					3.34		2.25		2.38		# of strides	4.69 3.34	
wind	2.2 m/s	velocity		6.40			8.98		8.89		8.40	7.90		6.40 8.98	
Niščáková, Veronika (CZE) (1997)															
Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE)															
Feher (2014) - Final report from the U18 & U20 Czech Republic national championships															
date	28-Jun-14	time		3.55		5.95		8.28		10.67	13.12	13.12	2 / 4		
reaction time	0.220	interval				2.40		2.33		2.39	2.45		# of strides		
wind	-1.7 m/s	velocity		5.63		8.33		8.58		8.37	8.16	7.62			
Nishio, Kaho (JPN) (1997)															
FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)															
Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan															
date	23-Jun-18	time	2.04	3.23	4.33	5.39	6.43	7.48	8.54	9.62	10.72	11.86	11.86	8 / 7	
reaction time	0.155	interval		1.19	1.10	1.06	1.04	1.05	1.06	1.08	1.10	1.14		# of strides	4.33 3.15 3.24
wind	0.8 m/s	velocity	4.90	8.40	9.09	9.43	9.62	9.52	9.43	9.26	9.09	8.77	8.43	53.5	6.93 9.52 9.26
FINAL - 2018 Fuse Sprint (Tottori, JPN)															
Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan															
date	03-Jun-18	time	2.03	3.22	4.31	5.35	6.38	7.41	8.45	9.51	10.59	11.69	11.69	2 / 5	
reaction time		interval		1.19	1.09	1.04	1.03	1.03	1.04	1.06	1.08	1.10		# of strides	4.31 3.10 3.18
wind	1.8 m/s	velocity	4.93	8.40	9.17	9.62	9.71	9.71	9.62	9.43	9.26	9.09	8.55	52.9	6.96 9.68 9.43

B FINAL - 2017 Mikio Oda Memorial (Hiroshima, JPN)*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

date	29-Apr-17	time	2.05	3.24	4.32	5.38	6.42	7.47	8.53	9.60	10.68	11.79	11.79	/ 2			
reaction time		interval		1.19	1.08	1.06	1.04	1.05	1.06	1.07	1.08	1.11		# of strides	4.32	3.15	3.21
wind	2.0 m/s	velocity	4.88	8.40	9.26	9.43	9.62	9.52	9.43	9.35	9.26	9.01	8.48	53.6	6.94	9.52	9.35

FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)*Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics data*

date	30-Jul-15	time		4.38	5.44	6.48	7.55	8.61	9.69	10.78	11.91	11.91	/ 3			
reaction time		interval			1.06	1.04	1.07	1.06	1.08	1.09	1.13		# of strides	4.38	3.17	3.23
wind	-1.2 m/s	velocity		6.85	9.43	9.62	9.35	9.43	9.26	9.17	8.85	8.40		6.85	9.46	9.29

Nku, Mercy (NGR) (1976)**FINAL - 2001 ISTAF (Berlin, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	31-Aug-01	time		3.17	4.20	5.20		7.14		9.12		11.16	11.16	/ 2			
reaction time	0.159	interval			1.03	1.00		1.94		1.98		2.04		# of strides	4.20	2.94	
wind	0.5 m/s	velocity		6.31	9.71	10.00		10.31		10.10		9.80	8.96		7.14	10.20	

FINAL - 1999 IAAF World Championships (Sevilla, ESP)*Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	22-Aug-99	time	1.85	2.96	3.99	4.99	5.96	6.93	7.93	8.94	9.96	11.01	11.16	8 / 8			
reaction time	0.152	interval		1.11	1.03	1.00	0.97	0.97	1.00	1.01	1.02	1.05		# of strides	3.99	2.94	3.03
wind	-0.1 m/s	velocity	5.41	9.01	9.71	10.00	10.31	10.31	10.00	9.90	9.80	9.52	8.96		7.52	10.20	9.90

Nobuoka, Sakie (JPN) (1977)**Heat 2 - 2008 Nambu Chuhei Memorial (Hakodate, JPN)***Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

date	06-Jul-08	time	2.13	3.30	4.38	5.43	6.46	7.49	8.53	9.58	10.65	11.73	11.73	/ 1			
reaction time		interval		1.17	1.08	1.05	1.03	1.03	1.04	1.05	1.07	1.08		# of strides	4.38	3.11	3.16
wind	1.7 m/s	velocity	4.69	8.55	9.26	9.52	9.71	9.71	9.62	9.52	9.35	9.26	8.53		6.85	9.65	9.49

FINAL - 2008 Osaka Grand Prix (Osaka, JPN)*Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

date	10-May-08	time	2.10	3.28	4.36	5.41	6.44	7.48	8.52	9.58	10.66	11.76	11.76	7 / 5			
reaction time		interval		1.18	1.08	1.05	1.03	1.04	1.04	1.06	1.08	1.10		# of strides	4.36	3.12	3.18
wind	1.2 m/s	velocity	4.76	8.47	9.26	9.52	9.71	9.62	9.62	9.43	9.26	9.09	8.50		6.88	9.62	9.43

FINAL - 2007 Japanese National Championships (Osaka, JPN)*Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles*

date	30-Jun-07	time	2.08	3.28	4.35	5.40	6.44	7.49	8.54	9.62	10.71	11.82	11.82	/ 3			
reaction time		interval		1.20	1.07	1.05	1.04	1.05	1.05	1.08	1.09	1.11		# of strides	4.35	3.14	3.22
wind	0.0 m/s	velocity	4.81	8.33	9.35	9.52	9.62	9.52	9.52	9.26	9.17	9.01	8.46		6.90	9.55	9.32

FINAL - 2007 Osaka Grand Prix (Osaka, JPN)*Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles*

date	05-May-07	time	2.08	3.24	4.30	5.33	6.35	7.38	8.42	9.48	10.56	11.66	11.66	/ 6			
reaction time		interval		1.16	1.06	1.03	1.02	1.03	1.04	1.06	1.08	1.10		# of strides	4.30	3.08	3.18
wind	0.7 m/s	velocity	4.81	8.62	9.43	9.71	9.80	9.71	9.62	9.43	9.26	9.09	8.58		6.98	9.74	9.43

FINAL - 2006 Osaka Grand Prix (Osaka, JPN)*Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system*

date	06-May-06	time	2.09	3.24	4.30	5.33	6.34	7.36	8.37	9.41	10.46	11.53	11.53	/ 5			
reaction time		interval		1.15	1.06	1.03	1.01	1.02	1.01	1.04	1.05	1.07		# of strides	4.30	3.06	3.10
wind	2.6 m/s	velocity	4.78	8.70	9.43	9.71	9.90	9.80	9.90	9.62	9.52	9.35	8.67		6.98	9.80	9.68

Nogabayashi, Yumi (JPN) (1995)**FINAL - 2013 Japanese National High School Championships (Oita, JPN)***Matsuo (2013) - 66th high school championships: JAF scientific committee- biomechanics data*

date	31-Jul-13	time	2.14	3.33	4.42	5.48	6.53	7.57	8.64	9.71	10.82	11.93	11.93	/ 2			
reaction time		interval		1.19	1.09	1.06	1.05	1.04	1.07	1.07	1.11	1.11		# of strides	4.42	3.15	3.25
wind	-0.5 m/s	velocity	4.67	8.40	9.17	9.43	9.52	9.62	9.35	9.35	9.01	9.01	8.38		6.79	9.52	9.23

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

date	30-Jul-12	time				6.49	7.52	8.57	9.64	10.72	11.85	11.85	4 / 1			
reaction time		interval					1.03	1.05	1.07	1.08	1.13		# of strides			3.20
wind	-0.3 m/s	velocity				7.70	9.71	9.52	9.35	9.26	8.85	8.44				9.38

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

date	04-Aug-11	time				6.59	7.65	8.70	9.78	10.91	12.05	12.05	9 / 4			
reaction time		interval					1.06	1.05	1.08	1.13	1.14		# of strides			3.26
wind	-1.0 m/s	velocity				7.59	9.43	9.52	9.26	8.85	8.77	8.30				9.20

Noumura, Runa (JPN) (2004)**FINAL - 2022 Japanese National High School Championships (Naruto, JPN)***Kishima (2022) - national high school championships biomechanics data collection*

date	04-Aug-22	time	2.05	3.24	4.34	5.41	6.48	7.56	8.66	9.77	10.92	12.08	12.08	9 / 5			
reaction time	0.128	interval		1.19	1.10	1.07	1.07	1.08	1.10	1.11	1.15	1.16		# of strides	4.34	3.22	3.36
wind	-0.6 m/s	velocity	4.88	8.40	9.09	9.35	9.35	9.26	9.09	9.01	8.70	8.62	8.28		58.0	6.91	9.32

Novosadová, Jana (CZE) (1997)**Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)***Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time		3.59		5.92		8.21		10.53		12.90	12.90	2 / 7			
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reaction time	0.169	interval		2.33	2.29	2.32	2.37		# of strides
wind	-1.4 m/s	velocity	5.57	8.58	8.73	8.62	8.44	7.75	

Novotná, Lenka (CZE) (1997)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>															
date	28-Jun-14	time	3.58			8.28		10.67		13.14	13.14	2 / 5			
reaction time	0.183	interval		2.35	2.35		2.39		2.47			# of strides			
wind	-4.3 m/s	velocity	5.59	8.51	8.51		8.37		8.10	7.61					

Nuneva, Anelia (BUL) (1962)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1992 Olympic Games (Barcelona, ESP) <i>Arnold (1992) - 1992 Olympic report: 100m men</i>															
date	01-Aug-92	time	3.14		5.13	7.09		9.09		11.10	11.10	7 / 6			
reaction time	0.134	interval		1.99	1.96		2.00		2.01			# of strides			
wind	-1.0 m/s	velocity	6.37	10.05	10.20		10.00		9.95	9.01		50.5			

FINAL - 1991 European Cup (Frankfurt, GER)

<i>Federle (2003) - http://www.fgs.uni-halle.de</i>															
date	29-Jun-91	time		4.27		7.40		9.55		11.74	11.74	/ 3			
reaction time		interval				3.13		2.15		2.19		# of strides	4.27	3.13	
wind	-2.7 m/s	velocity		7.03		9.58		9.30		9.13	8.52		7.03	9.58	

FINAL - 1988 Olympic Games (Seoul, KOR)

<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>															
date	25-Sep-88	time	2.00	3.09	4.09	5.05	6.01	6.96	7.90		11.49	11.49	4 / 8		
reaction time	0.140	interval		1.09	1.00	0.96	0.96	0.95	0.94		3.59		# of strides	4.09	2.87
wind	3.0 m/s	velocity	5.00	9.17	10.00	10.42	10.42	10.53	10.64		8.36	8.70		7.33	10.45

Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)

Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)														Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988				
date	25-Sep-88	time	2.05	3.12	4.17	5.14	6.10	7.04	8.01	9.00	9.99	11.00	11.00	3 / 2				
reaction time	0.165	interval		1.07	1.05	0.97	0.96	0.94	0.97	0.99	0.99	1.01		# of strides	4.17	2.87	2.95	
wind	0.5 m/s	velocity	4.88	9.35	9.52	10.31	10.42	10.64	10.31	10.10	10.10	9.90	9.09		7.19	10.45	10.17	

FINAL - 1987 IAAF World Championships (Rome, ITA)

FINAL - 1987 IAAF World Championships (Rome, ITA) <i>Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes</i>																	
date	30-Aug-87	time	2.01	3.12	4.15	5.14	6.10	7.06	8.01	9.01	10.05	11.09	11.09	7 / 5			
reaction time	0.169	interval		1.11	1.03	0.99	0.96	0.96	0.95	1.00	1.04	1.04		# of strides	4.15	2.91	2.99
wind	-0.5 m/s	velocity	4.98	9.01	9.71	10.10	10.42	10.42	10.53	10.00	9.62	9.62	9.02	50.5	7.23	10.31	10.03

Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)

Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)					Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics						
date	30-Aug-87	time	4.18		7.05		11.01	11.01	5 / 2		
reaction time		interval			2.87		3.96		# of strides	4.18	2.87
wind	0.7 m/s	velocity	7.18		10.45		10.10	9.08	50.0	7.18	10.45

Quarter-Final 1 - 1987 IAAF World Championships (Rome, ITA)

Quarter-Final 1 - 1987 IAAF World Championships (Rome, ITA)										Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics									
date	29-Aug-87		time	4.23		7.23		11.29		11.29		3 / 2							
reaction time	interval				3.00		4.06				# of strides		4.23	3.00					
wind	-0.3 m/s	velocity	7.09		10.00		9.85		8.86		51.0		7.09	10.00					

Heat 4 - 1987 IAAF World Championships (Rome, ITA)

<i>Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics</i>															
date	29-Aug-87	time		4.20				7.18			11.37	11.37	/ 1		
reaction time		interval						2.98			4.19		# of strides	4.20	2.98
wind	-0.6 m/s	velocity		7.14				10.07			9.55	8.80		7.14	10.07

FINAL - 1987 European Cup (Prague, TCH)

FINAL - 1987 European Cup (Prague, TCH)											Sušanka (1987) - hints on computer processing of biomechanical data							
date	28-Jun-87	time	2.03	3.16	4.15	5.12	6.08	7.05	8.04	9.06	10.07	11.08	11.08	3 / 2				
reaction time		interval		1.13	0.99	0.97	0.96	0.97	0.99	1.02	1.01	1.01		# of strides	4.15	2.90	3.02	
wind	-0.4 m/s	velocity	4.93	8.85	10.10	10.31	10.42	10.31	10.10	9.80	9.90	9.90	9.03		50.9	7.23	10.34	9.93

FINAL - 1987 Snamenski Memorial (Moscow, URS)

FINAL - 1987 Snamenski Memorial (Moscow, URS)										Levchenko (1990) - questions and answers about women's sprinting						
date	07-Jun-87	time	3.79	6.69	8.62	10.58	10.92	/ 1								
reaction time		interval		2.90	1.93	1.96	NR	# of strides	3.79	2.90						
wind	-0.6 m/s	velocity	7.92	10.34	10.36	10.20	9.16	50.0	7.92	10.34						

FINAL - 1986 Goodwill Games (Moscow, URS)

FINAL - 1986 Goodwill Games (Moscow, URS)										Levchenko (1990) - questions and answers about women's sprinting					
date	08-Jun-83	time	3.94	6.99	9.00	11.07	11.40	1 / 7							
reaction time		interval		3.05	2.01	2.07		# of strides	3.94	3.05					
wind	0.2 m/s	velocity	7.61	9.84	9.95	9.66	8.77	52.5	7.61	9.84					

Nwokocha, Grace (NGR) (2001)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2022 Commonwealth Games (Birmingham, GBR) <i>Longines Timing (2022) - commonwealth games race analysis</i>															
date	03-Aug-22	time	3.1		5.1	7.1		9.0		11.18	11.18	8 / 5			
reaction time	0.147	interval		2.00	2.00		1.90		2.18			# of strides			
wind	0.4 m/s	velocity	6.45	10.00	10.00		10.53		9.17	8.94		49.0			

Nyhlen, Ulrika (SWE) (1993)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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C FINAL - 2011 Windsprint (Sundsvall, SWE)(2011) - www.ssg.se/en/Windsprint/Split-times/

date	31-Jul-11	time	4.64	8.04	10.38	12.84	12.84	2 / 7		
reaction time		interval		3.40	2.34	2.46		# of strides	4.64	3.40
wind	1.2 m/s	velocity	6.47	8.82	8.55	8.13	7.79		6.47	8.82

Obi, Mana (JPN)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2011 Japanese National High School Championships (Saga, JPN)*Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics data*

date	03-Aug-07	time	3.31	4.43	5.49	6.56	7.63	8.72	9.82	10.93	12.10	12.10	1 / 7		
reaction time		interval		1.12	1.06	1.07	1.07	1.09	1.10	1.11	1.17		# of strides	4.43	3.20
wind	1.3 m/s	velocity	6.04	8.93	9.43	9.35	9.35	9.17	9.09	9.01	8.55	8.26		6.77	9.38

Odesjö, Amanda (SWE) (1994)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

C FINAL - 2011 Windsprint (Sundsvall, SWE)(2011) - www.ssg.se/en/Windsprint/Split-times/

date	31-Jul-11	time	4.64	7.97	10.20	12.54	12.54	8 / 4		
reaction time		interval		3.33	2.23	2.34		# of strides	4.64	3.33
wind	1.2 m/s	velocity	6.47	9.01	8.97	8.55	7.97		6.47	9.01

Odiong, Ofonime (BRN) (1997)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2018 Asian Games (Jakarta, INA)*Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

date	26-Aug-18	time	2.07	3.21	4.25	5.25	6.23	7.22	8.22	9.23	10.25	11.30	11.30	4 / 1	
reaction time	0.151	interval		1.14	1.04	1.00	0.98	0.99	1.00	1.01	1.02	1.05	PB	# of strides	4.25
wind	0.3 m/s	velocity	4.83	8.77	9.62	10.00	10.20	10.10	10.00	9.90	9.80	9.52	8.85	49.6	7.06

Odložilová, Barbora (CZE) (1993)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)*Feher (2013) - Final report from the men's & women's Czech Republic national championships*

date	15-Jun-13	time	3.58	5.90	8.20	10.61	13.06	13.06	1 / 8		
reaction time	0.165	interval		2.32	2.30	2.41	2.45		# of strides		
wind	-1.3 m/s	velocity	5.59	8.62	8.70	8.30	8.16	7.66			

Oga, Haruka (JPN) (1995)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2013 Japanese National High School Championships (Oita, JPN)*Matsuo (2013) - 66th high school championships: JAF scientific committee- biomechanics data*

date	31-Jul-13	time	2.11	3.29	4.38	5.44	6.50	7.57	8.65	9.76	10.89	12.05	12.05	1 / 7	
reaction time		interval		1.18	1.09	1.06	1.06	1.07	1.08	1.11	1.13	1.16		# of strides	4.38
wind	-0.5 m/s	velocity	4.74	8.47	9.17	9.43	9.43	9.35	9.26	9.01	8.85	8.62	8.30		6.85

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

date	30-Jul-12	time	6.54	7.59	8.66	9.75	10.86	12.01	12.01	5 / 2		
reaction time		interval		1.05	1.07	1.09	1.11	1.15		# of strides		
wind	-0.3 m/s	velocity	7.65	9.52	9.35	9.17	9.01	8.70	8.33			

Ojokolo, Endurance (NGR) (1975)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2001 ISTAF (Berlin, GER)*Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	31-Aug-01	time	3.22	4.24	5.22	7.18	9.19	11.26	11.26	1 / 4	3	
reaction time	0.161	interval		1.02	0.98	1.96	2.01	2.07		# of strides	4.24	2.94
wind	0.5 m/s	velocity	6.21	9.80	10.20	10.20	9.95	9.66	8.88		7.08	10.20

Okabe, Nao (JPN) (1988)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 1 - 2012 Mikio Oda Memorial (Hiroshima, JPN)*Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

date	29-Apr-12	time	2.00	3.17	4.23	5.26	6.28	7.31	8.34	9.42	10.54	11.69	11.69	3 / 3	
reaction time		interval		1.17	1.06	1.03	1.02	1.03	1.08	1.12	1.15		# of strides	4.23	3.08
wind	0.6 m/s	velocity	5.00	8.55	9.43	9.71	9.80	9.71	9.71	9.26	8.93	8.70	8.55	51.0	7.09

Heat 2 - 2011 Asian Championships (Kobe, JPN)*Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride*

date	07-Jul-11	time	2.08	3.24	4.31	5.35	6.38	7.40	8.43	9.48	10.55	11.63	11.64	1 / 2	
reaction time	0.148	interval		1.16	1.07	1.04	1.03	1.02	1.03	1.05	1.07	1.08		# of strides	4.31
wind	1.0 m/s	velocity	4.81	8.62	9.35	9.62	9.71	9.80	9.71	9.52	9.35	9.26	8.59	51.0	6.96

Heat 3 - 2009 Japanese National Championships (Hiroshima, JPN)*Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

date	27-Jun-09	time	2.03	3.20	4.28	5.33	6.38	7.43	8.49	9.58	10.69	11.83	11.83	3 / 3	
reaction time		interval		1.17	1.08	1.05	1.05	1.05	1.06	1.09	1.11	1.14		# of strides	4.28
wind	2.1 m/s	velocity	4.93	8.55	9.26	9.52	9.52	9.52	9.43	9.17	9.01	8.77	8.45	7.01	9.52

Okagbare, Blessing (NGR) (1988)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	28-May-21	time	3.2	5.2	7.1	9.0	10.90	10.90	3 / 2		
reaction time	0.130	interval		2.00	1.90	1.90	1.90		# of strides		
wind	1.1 m/s	velocity	6.25	10.00	10.53	10.53	10.53	9.17	47.0		

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

date	06-Sep-19	time	3.3	5.3	7.3	9.2	11.24	11.24	7 / 5		
reaction time	0.153	interval		2.0	2.0	1.9	2.04		# of strides		
wind	-0.3 m/s	velocity	6.06	10.00	10.00	10.53	9.80	8.90	47.7		

FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)															
<i>Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters</i>															
date	08-May-16	time	2.11	3.24	4.27	5.27	6.25	7.23	8.23	9.24	10.26	11.30	11.30	7 / 2	
reaction time		interval		1.13	1.03	1.00	0.98	0.98	1.00	1.01	1.02	1.04		# of strides	4.27 2.96 3.03
wind	-1.7 m/s	velocity	4.74	8.85	9.71	10.00	10.20	10.20	10.00	9.90	9.80	9.62	8.85	48.5	7.03 10.14 9.90
FINAL - 2011 IAAF World Championships (Daegu, KOR)															
<i>KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011</i>															
date	29-Aug-11	time		3.09	4.14	5.14	6.14	7.10	8.08	9.04	10.05	11.12	11.12	2 / 5	
reaction time	0.147	interval			1.05	1.00	1.00	0.96	0.98	0.96	1.01	1.07		# of strides	4.14 2.96 2.94
wind	-1.4 m/s	velocity		6.47	9.52	10.00	10.00	10.42	10.20	10.42	9.90	9.35	8.99	47.4	7.25 10.14 10.20
Okayama, Saeko (JPN) (1982)															
Heat 3 - 2012 Mikio Oda Memorial (Hiroshima, JPN)															
<i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>															
date	29-Apr-12	time	2.14	3.33	4.41	5.45	6.49	7.52	8.56	9.62	10.69	11.79	11.79	8 / 5	
reaction time		interval		1.19	1.08	1.04	1.04	1.03	1.04	1.06	1.07	1.10	PB	# of strides	4.41 3.11 3.17
wind	1.6 m/s	velocity	4.67	8.40	9.26	9.62	9.62	9.71	9.62	9.43	9.35	9.09	8.48	48.2	6.80 9.65 9.46
B FINAL - 2011 Miko Oda Memorial (Hiroshima, JPN)															
<i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>															
date	29-Apr-11	time	2.20	3.40	4.49	5.53	6.56	7.58	8.61	9.65	10.72	11.81	11.81	1 / 2	
reaction time		interval		1.20	1.09	1.04	1.03	1.02	1.03	1.04	1.07	1.09	PB	# of strides	4.49 3.09 3.14
wind	2.0 m/s	velocity	4.55	8.33	9.17	9.62	9.71	9.80	9.71	9.62	9.35	9.17	8.47	48.3	6.68 9.71 9.55
Okparaebo, Ezinne (NOR) (1988)															
A FINAL - 2014 Windsprint (Sundsvall, SWE)															
<i>(2014) - www.ssg.se/windsprint/Splittider/</i>															
date	20-Jul-14	time		4.19				7.19		9.21		11.32	11.32	5 / 2	
reaction time		interval						3.00		2.02		2.11		# of strides	4.19 3.00
wind	1.2 m/s	velocity		7.16				10.00		9.90		9.48	8.83		7.16 10.00
A FINAL - 2013 Windsprint (Sundsvall, SWE)															
<i>(2013) - www.ssg.se/windsprint/Splittider/</i>															
date	28-Jul-13	time		4.20			7.15		9.13		11.21	11.21		3 / 4	
reaction time		interval					2.95		1.98		2.08			# of strides	4.20 2.95
wind	2.2 m/s	velocity		7.14			10.17		10.10		9.62	8.92			7.14 10.17
FINAL - 2013 European Indoor Championships (Göteborg, SWE)															
<i>Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>															
date	03-Mar-13	time		3.14		5.17		7.16				7.16		1 / 7	
reaction time	0.142	interval				2.03		1.99						# of strides	
		velocity		6.37		9.85		10.05					8.38		34.5
Quarter-Final 1 - 2009 IAAF World Championships (Berlin, GER)															
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>															
date	16-Aug-09	time		3.16	4.21	5.22		7.25		9.29		11.44	11.44	6 / 5	
reaction time	0.158	interval			1.05	1.01		2.03		2.04		2.15		# of strides	4.21 3.04
wind	-0.3 m/s	velocity		6.33	9.52	9.90		9.85		9.80		9.30	8.74		7.13 9.87
Heat 6 - 2009 IAAF World Championships (Berlin, GER)															
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>															
date	16-Aug-09	time		3.16	4.19	5.19		7.20		9.22		11.35	11.35	7 / 2	
reaction time	0.155	interval			1.03	1.00		2.01		2.02		2.13		# of strides	4.19 3.01
wind	-0.6 m/s	velocity		6.33	9.71	10.00		9.95		9.90		9.39	8.81		7.16 9.97
FINAL - 2008 Windsprint (Sundsvall, SWE)															
<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>															
date	06-Jul-08	time		4.22			7.24		9.29		11.42	11.42		5 / 1	
reaction time		interval					3.02		2.05		2.13			# of strides	4.22 3.02
wind	1.0 m/s	velocity		7.11			9.93		9.76		9.39	8.76			7.11 9.93
Okuno, Yume (JPN) (2003)															
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)															
<i>Shibayama (2021) - national high school and U20 national championships</i>															
date	29-Jul-21	time	2.11	3.31	4.40	5.46	6.50	7.54	8.59	9.66	10.75	11.85	11.85	6 / 6	
reaction time	0.139	interval		1.20	1.09	1.06	1.04	1.04	1.05	1.07	1.09	1.10		# of strides	4.40 3.14 3.21
wind	-0.2 m/s	velocity	4.74	8.33	9.17	9.43	9.62	9.62	9.52	9.35	9.17	9.09	8.44	51.0	6.82 9.55 9.35
Oleary, Elizabeth (USA) (1988)															
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)															
<i>USATF Women's Sprint Development (2006)</i>															
date	22-Jun-06	time	2.13	3.24	4.29	5.27	6.27	7.26	8.23	9.25	10.28	11.33	11.33	7 / 5	
reaction time		interval		1.11	1.05	0.98	1.00	0.99	0.97	1.02	1.03	1.05	PB	# of strides	4.29 2.97 3.02
wind	1.2 m/s	velocity	4.69	9.01	9.52	10.20	10.00	10.10	10.31	9.80	9.71	9.52	8.83		6.99 10.10 9.93
FINAL - 2005 USATF National Junior Championships (Carson, CA)															
<i>USATF Women's Sprint Development (2005)</i>															
date	23-Jun-05	time	2.22	3.35	4.44	5.49	6.56	7.59	8.66	9.73	10.76	11.88	11.88	1 / 5	
reaction time		interval		1.13	1.09	1.05	1.07	1.03	1.07	1.07	1.03	1.12		# of strides	4.44 3.15 3.17
wind	-1.1 m/s	velocity	4.50	8.85	9.17	9.52	9.35	9.71	9.35	9.35	9.71	8.93	8.42		6.76 9.52 9.46
Oliver, Javianne (USA) (1994)															
FINAL - 2021 Weltklasse (Zürich, SUI)															
<i>Omega Timing (2021) - diamond league race analysis</i>															

date	09-Sep-21	time	3.1	5.1	7.0	9.0	11.02	11.02	2 / 6
reaction time	0.134	interval		2.00	1.90	2.00	2.02		# of strides
wind	0.6 m/s	velocity	6.45	10.00	10.53	10.00	9.90	9.07	50.0
FINAL - 2021 Prefontaine Classic (Eugene, OR)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	21-Aug-21	time	3.1	5.1	7.0	9.0	10.96	10.96	2 / 6
reaction time	0.147	interval		2.00	1.90	2.00	1.96	=PB	# of strides
wind	0.9 m/s	velocity	6.45	10.00	10.53	10.00	10.20	9.12	50.0
FINAL - 2021 Doha Diamond League (Doha, QAT)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	28-May-21	time	3.1	5.1	7.1	9.0	11.03	11.03	6 / 3
reaction time	0.134	interval		2.00	2.00	1.90	2.03		# of strides
wind	1.1 m/s	velocity	6.45	10.00	10.00	10.53	9.85	9.07	50.0
Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	23-May-21	time	2.9	5.0	7.1	9.2	11.64	11.64	7 / 4
reaction time	0.143	interval		2.10	2.10	2.10	2.44		# of strides
wind	-4.2 m/s	velocity	6.90	9.52	9.52	9.52	8.20	8.59	52.5
FINAL - 2020 Millrose Games (New York, NY)									<i>PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/</i>
date	08-Feb-20	time	2.13	3.21	4.21	5.20	6.16	7.13	2 / 1
reaction time	0.203	interval		1.08	1.00	0.99	0.96	0.97	# of strides
		velocity	4.69	9.26	10.00	10.10	10.42	10.31	4.21 2.92
									32.0 7.13 10.27
Olsson, Stephanie (SWE) (1991)									
B FINAL - 2011 Windsprint (Sundsvall, SWE)									
date	31-Jul-11	time		4.41		7.56	9.68	11.92	11.92
reaction time		interval				3.15	2.12	2.24	# of strides
wind	3.4 m/s	velocity		6.80		9.52	9.43	8.93	8.39
									6.80 9.52
FINAL - 2010 Windsprint (Sundsvall, SWE)									
date	08-Aug-10	time		4.51		7.66	9.81	12.08	12.08
reaction time		interval				3.15	2.15	2.27	# of strides
wind	2.4 m/s	velocity		6.65		9.52	9.30	8.81	8.28
									6.65 9.52
O'Neill, Elaine (GBR) (1989)									
FINAL - 2010 Sparkassen-Gala (Regensburg, GER)									
date	05-Jun-10	time		3.25	4.30	5.32	7.36	9.44	11.57
reaction time		interval			1.05	1.02	2.04	2.08	2.13
wind	-0.4 m/s	velocity		6.15	9.52	9.80	9.80	9.62	9.39
									8.64
									6.98 9.80
Onyali-Omagembi, Mary (NGR) (1968)									
FINAL - 2001 ISTAF (Berlin, GER)									
date	31-Aug-01	time		3.20	4.25	5.26	7.28	9.32	11.41
reaction time	0.159	interval			1.05	1.01	2.02	2.04	2.09
wind	0.5 m/s	velocity		6.25	9.52	9.90	9.90	9.80	9.57
									8.76
									7.06 9.90
FINAL - 1992 Olympic Games (Barcelona, ESP)									
date	01-Aug-92	time		3.14		5.17	7.13	9.13	11.15
reaction time	0.190	interval			2.03	1.96	2.00	2.02	# of strides
wind	-1.0 m/s	velocity		6.37		9.85	10.20	10.00	9.90
									8.97
									47.0
Onyali, Mary (NGR) (1968)									
FINAL - 1989 IAAF World Cup (Barcelona, ESP)									
date	09-Sep-89	time		3.14	5.16	6.14	7.14	8.14	9.15
reaction time		interval			2.02	0.98	1.00	1.00	1.01
wind	-1.1 m/s	velocity		6.37	9.90	10.20	10.00	10.00	9.90
									9.62
									8.90
									48.3
Onyepunuka, Jessica (USA) (1986)									
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)									
date	27-Jun-08	time		2.11	3.27	4.34	5.34	6.31	7.34
reaction time		interval			1.16	1.07	1.00	0.97	1.03
wind	1.1 m/s	velocity		4.74	8.62	9.35	10.00	10.31	9.71
									10.00
									9.80 9.26 9.62
									8.71
									6.91 10.00 9.68
FINAL - 2005 USATF National Junior Championships (Carson, CA)									
date	23-Jun-05	time		2.14	3.31	4.42	5.49	6.53	7.59
reaction time		interval			1.17	1.11	1.07	1.04	1.06
wind	-1.1 m/s	velocity		4.67	8.55	9.01	9.35	9.62	9.43
									9.62
									9.26 9.17 8.93
									8.39
									6.79 9.46 9.35
Osayomi, Oludamola (NGR) (1986)									
Heat 4 - 2009 IAAF World Championships (Berlin, ESP)									
date	16-Aug-09	time		3.20	4.26	5.28	7.32	9.35	11.49
reaction time	0.164	interval			1.06	1.02	2.04	2.03	2.14
									2.14
									# of strides
									4.26 3.06

wind	0.0 m/s	velocity	6.25	9.43	9.80	9.80	9.85	9.35	8.70	7.04	9.80						
Östlund, Elin (SWE) (1991)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
A FINAL - 2015 Windsprint (Sundsvall, SWE)			<i>(2015) - www.windsprint/Splittider/</i>														
date	26-Jul-15	time		4.51				7.57		9.69		11.86	11.86	6 / 3			
reaction time		interval						3.06		2.12		2.17		# of strides	4.51	3.06	
wind	0.9 m/s	velocity		6.65				9.80		9.43		9.22	8.43		6.65	9.80	
B FINAL - 2013 Windsprint (Sundsvall, SWE)			<i>(2013) - www.ssg.se/windsprint/Splittider/</i>														
date	28-Jul-13	time		4.54				7.70		9.82		12.06	12.06	6 / 6			
reaction time		interval						3.16		2.12		2.24		# of strides	4.54	3.16	
wind	2.6 m/s	velocity		6.61				9.49		9.43		8.93	8.29		6.61	9.49	
FINAL - 2012 Windsprint (Sundsvall, SWE)			<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>														
date	17-Jun-12	time		4.52				7.65		9.75		11.99	11.99	7 / 8			
reaction time		interval						3.13		2.10		2.24		# of strides	4.52	3.13	
wind	1.0 m/s	velocity		6.64				9.58		9.52		8.93	8.34		6.64	9.58	
B FINAL - 2011 Windsprint (Sundsvall, SWE)			<i>(2011) - www.ssg.se/en/Windsprint/Split-times/</i>														
date	31-Jul-11	time		4.45				7.55		9.65		11.86	11.86	5 / 4			
reaction time		interval						3.10		2.10		2.21		# of strides	4.45	3.10	
wind	3.4 m/s	velocity		6.74				9.68		9.52		9.05	8.43		6.74	9.68	
B FINAL - 2009 Windsprint (Sundsvall, SWE)			<i>(2009) - www.ssg.se/en/Windsprint/Split-times/</i>														
date	25-Jul-09	time		4.73				8.12		10.37		12.73	12.73	/ 6			
reaction time		interval						3.39		2.25		2.36		# of strides	4.73	3.39	
wind	2.5 m/s	velocity		6.34				8.85		8.89		8.47	7.86		6.34	8.85	
Östlund, Jessica (SWE) (1993)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
A FINAL - 2017 Windsprint (Sundsvall, SWE)			<i>(2017) - www.windsprint/Splittider/</i>														
date	30-Jul-17	time		4.47			6.55	7.61		9.76		11.94	11.94	3 / 4			
reaction time		interval					2.08	1.06		2.15		2.18		# of strides	4.47	3.14	
wind	0.3 m/s	velocity		6.71			9.62	9.43		9.30		9.17	8.38		6.71	9.55	
A FINAL - 2016 Windsprint (Sundsvall, SWE)			<i>(2016) - www.windsprint/Splittider/</i>														
date	31-Jul-16	time		4.44				7.53				11.70	11.70	5 / 1			
reaction time		interval						3.09				4.17	PB	# of strides	4.44	3.09	
wind	2.0 m/s	velocity		6.76				9.71				9.59	8.55		6.76	9.71	
Heat 1 - 2016 Windsprint (Sundsvall, SWE)			<i>(2016) - www.windsprint/Splittider/</i>														
date	31-Jul-16	time		4.45				7.56				11.82	11.82	5 / 2			
reaction time		interval						3.11				4.26	PB	# of strides	4.45	3.11	
wind	-0.3 m/s	velocity		6.74				9.65				9.39	8.46		6.74	9.65	
B FINAL - 2015 Windsprint (Sundsvall, SWE)			<i>(2015) - www.windsprint/Splittider/</i>														
date	26-Jul-15	time		4.44				7.56		9.70		11.87	11.87	3 / 1			
reaction time		interval						3.12		2.14		2.17		# of strides	4.44	3.12	
wind	2.1 m/s	velocity		6.76				9.62		9.35		9.22	8.42		6.76	9.62	
B FINAL - 2014 Windsprint (Sundsvall, SWE)			<i>(2014) - www.ssg.se/windsprint/Splittider/</i>														
date	20-Jul-14	time		4.51				7.71		9.88		12.14	12.14	7 / 4			
reaction time		interval						3.20		2.17		2.26		# of strides	4.51	3.20	
wind	2.3 m/s	velocity		6.65				9.38		9.22		8.85	8.24		6.65	9.38	
Osuki, Mai (JPN) (1995)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)			<i>Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics</i>														
date	30-Jul-12	time					6.59	7.64	8.72	9.82	10.95	12.10	12.10	3 / 7			
reaction time		interval						1.05	1.08	1.10	1.13	1.15		# of strides			3.31
wind	-0.3 m/s	velocity					7.59	9.52	9.26	9.09	8.85	8.70	8.26				9.06
Ota, Tomoko (JPN) (1977)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2012 Mikio Oda Memorial (Hiroshima, JPN)			<i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>														
date	29-Apr-12	time	2.03	3.20	4.27	5.32	6.36	7.40	8.45	9.52	10.60	11.70	11.70	5 / 1			
reaction time		interval		1.17	1.07	1.05	1.04	1.04	1.05	1.07	1.08	1.10		# of strides	4.27	3.13	3.20
wind	0.0 m/s	velocity	4.93	8.55	9.35	9.52	9.62	9.62	9.52	9.35	9.26	9.09	8.55	55.0	7.03	9.58	9.38
Heat 3 - 2009 Mikio Oda Memorial (Hiroshima, JPN)			<i>Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season</i>														
date	29-Apr-09	time	2.04	3.20	4.27	5.31	6.34	7.39	8.45	9.53	10.62	11.74	11.74	5 / 3			
reaction time		interval		1.16	1.07	1.04	1.03	1.05	1.06	1.08	1.09	1.12		# of strides	4.27	3.12	3.23
wind	3.4 m/s	velocity	4.90	8.62	9.35	9.62	9.71	9.52	9.43	9.26	9.17	8.93	8.52	56.2	7.03	9.62	9.29
FINAL - 2008 Seiko Super Grand Prix (Kawasaki, JPN)			<i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>														

date	23-Sep-08	time	2.15	3.32	4.41	5.47	6.53	7.59	8.66	9.76	10.86	11.99	11.99	/ 5			
reaction time		interval		1.17	1.09	1.06	1.06	1.06	1.07	1.10	1.10	1.13		# of strides	4.41	3.18	3.27
wind	-0.6 m/s	velocity	4.65	8.55	9.17	9.43	9.43	9.43	9.35	9.09	9.09	8.85	8.34		6.80	9.43	9.17
Heat 2 - 2008 Nambu Chuhei Memorial (Hakodate, JPN) <i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																	
date	06-Jul-08	time	2.09	3.25	4.32	5.38	6.42	7.46	8.51	9.57	10.66	11.78	11.78	/ 2			
reaction time		interval		1.16	1.07	1.06	1.04	1.04	1.05	1.06	1.09	1.12		# of strides	4.32	3.14	3.20
wind	1.7 m/s	velocity	4.78	8.62	9.35	9.43	9.62	9.62	9.52	9.43	9.17	8.93	8.49		6.94	9.55	9.38
FINAL - 2008 Japanese National Championships (Kawasaki, JPN) <i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																	
date	29-Jun-08	time	2.01	3.16	4.22	5.25	6.28	7.31	8.35	9.42	10.52	11.63	11.63	/ 2			
reaction time		interval		1.15	1.06	1.03	1.03	1.03	1.04	1.07	1.10	1.11		# of strides	4.22	3.09	3.21
wind	0.4 m/s	velocity	4.98	8.70	9.43	9.71	9.71	9.71	9.62	9.35	9.09	9.01	8.60		7.11	9.71	9.35
FINAL - 2008 Osaka Grand Prix (Osaka, JPN) <i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																	
date	10-May-08	time	2.02	3.19	4.28	5.34	6.39	7.45	8.52	9.61	10.72	11.85	11.85	3 / 7			
reaction time		interval		1.17	1.09	1.06	1.05	1.06	1.07	1.09	1.11	1.13		# of strides	4.28	3.17	3.27
wind	1.2 m/s	velocity	4.95	8.55	9.17	9.43	9.52	9.43	9.35	9.17	9.01	8.85	8.44		7.01	9.46	9.17
Heat 3 - 2008 Mikio Oda Memorial (Hiroshima, JPN) <i>Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles</i>																	
date	29-Apr-08	time	2.02	3.18	4.26	5.31	6.36	7.40	8.45	9.52	10.61	11.73	11.73	/ 2			
reaction time		interval		1.16	1.08	1.05	1.05	1.04	1.05	1.07	1.09	1.12		# of strides	4.26	3.14	3.21
wind	0.7 m/s	velocity	4.95	8.62	9.26	9.52	9.52	9.62	9.52	9.35	9.17	8.93	8.53		7.04	9.55	9.35
FINAL - 2007 Japanese National Championships (Osaka, JPN) <i>Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles</i>																	
date	30-Jun-07	time	2.00	3.15	4.24	5.30	6.35	7.41	8.49	9.58	10.70	11.83	11.83	/ 4			
reaction time		interval		1.15	1.09	1.06	1.05	1.06	1.08	1.09	1.12	1.13		# of strides	4.24	3.17	3.29
wind	0.0 m/s	velocity	5.00	8.70	9.17	9.43	9.52	9.43	9.26	9.17	8.93	8.85	8.45		7.08	9.46	9.12
Ottey, Merlene (SLO) (1960)																	
B FINAL - 2011 Windsprint (Sundsvall, SWE) <i>(2011) - www.ssg.se/en/Windsprint/Split-times/</i>																	
date	31-Jul-11	time			4.36			7.44		9.52		11.69	11.69	4 / 1			
reaction time		interval						3.08		2.08		2.17		# of strides	4.36	3.08	
wind	3.4 m/s	velocity			6.88			9.74		9.62		9.22	8.55		6.88	9.74	
B FINAL - 2010 Windsprint (Sundsvall, SWE) <i>(2010) - www.ssg.se/en/Windsprint/Split-times/</i>																	
date	08-Aug-10	time			4.43			7.53		9.61		11.78	11.78	/ 1			
reaction time		interval						3.10		2.08		2.17		# of strides	4.43	3.10	
wind	2.2 m/s	velocity			6.77			9.68		9.62		9.22	8.49		6.77	9.68	
Ottey, Merlene (JAM) (1960)																	
FINAL - 2000 Olympic Games (Sydney, AUS) <i>Veney - Sydney 100m women's splits</i>																	
date	24-Sep-00	time			3.99		6.10	7.14	8.15		10.16	11.19	11.19	3 / 4 3			
reaction time	0.179	interval					2.11	1.04	1.01		2.01	1.03		# of strides	3.99	3.15	3.02
wind	-0.4 m/s	velocity			7.52		9.48	9.62	9.90		9.95	9.71	8.94		7.52	9.52	9.93
FINAL - 1997 IAAF World Championships (Athens, GRE) <i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997</i>																	
date	03-Aug-97	time	1.89	3.02	4.03	5.01	5.97	6.94	7.91	8.91	9.95	11.15	11.29	6 / 7			
reaction time	0.139	interval		1.13	1.01	0.98	0.96	0.97	0.97	1.00	1.04	1.20		# of strides	4.03	2.91	3.01
wind	0.4 m/s	velocity	5.29	8.85	9.90	10.20	10.42	10.31	10.31	10.00	9.62	8.33	8.86		46.9	7.44	10.31
Semi-Final 1 - 1996 Olympic Games (Atlanta, GA) <i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997</i>																	
date	01-Aug-96	time	1.99	3.15	4.19	5.17	6.12	7.06	8.00	8.94	9.92	10.93	10.93	4 / 1			
reaction time	0.176	interval		1.16	1.04	0.98	0.95	0.94	0.94	0.94	0.98	1.01		# of strides	4.19	2.87	2.86
wind	0.4 m/s	velocity	5.03	8.62	9.62	10.20	10.53	10.64	10.64	10.64	10.20	9.90	9.15		7.16	10.45	10.49
FINAL - 1993 IAAF World Championships (Stuttgart, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>																	
date	16-Aug-93	time			4.13			6.98		8.87		10.82	10.82	6 / 2			
reaction time	0.161	interval						2.85		1.89		1.95	CR	# of strides	4.13	2.85	
wind	0.3 m/s	velocity			7.26			10.53		10.58		10.26	9.24		46.0	7.26	10.53
FINAL - 1992 Olympic Games (Barcelona, ESP) <i>Arnold (1992) - 1992 Olympic report: 100m men</i>																	
date	01-Aug-92	time		3.12		5.09		6.99		8.93		10.86	10.88	4 / 5			
reaction time	0.164	interval				1.97		1.90		1.94		1.93		# of strides			
wind	-1.0 m/s	velocity		6.41		10.15		10.53		10.31		10.36	9.19		47.7		
FINAL - 1991 IAAF World Championships (Tokyo, JPN) <i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>																	
date	27-Aug-91	time					6.17					11.06	11.06	4 / 3			
reaction time	0.196	interval										4.89		# of strides			
wind	-3.0 m/s	velocity					8.10					10.22	9.04		48.0		
FINAL - 1987 IAAF World Championships (Rome, ITA) <i>Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes</i>																	
date	30-Aug-87	time	2.02	3.13	4.17	5.16	6.12	7.07	8.02	8.99	10.02	11.04	11.04	5 / 3			

reaction time	0.172	interval	1.11	1.04	0.99	0.96	0.95	0.95	0.97	1.03	1.02		# of strides	4.17	2.90	2.95	
wind	-0.5 m/s	velocity	4.95	9.01	9.62	10.10	10.42	10.53	10.53	10.31	9.71	9.80	9.06	47.1	7.19	10.34	10.17

Semi-Final 1 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	30-Aug-87	time	2.07	3.14	4.18	5.13	6.10	7.04	8.00	8.94	9.89	10.89	10.89	5 / 2			
reaction time		interval		1.07	1.04	0.95	0.97	0.94	0.96	0.94	0.95	1.00		# of strides	4.18	2.86	2.85
wind	2.2 m/s	velocity	4.83	9.35	9.62	10.53	10.31	10.64	10.42	10.64	10.53	10.00	9.18	46.7	7.18	10.49	10.53

Quarter-Final 4 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	29-Aug-87	time	2.08	3.18	4.22	5.21	6.19	7.16	8.18	9.23	10.26	11.29	11.29	3 / 2			
reaction time		interval		1.10	1.04	0.99	0.98	0.97	1.02	1.05	1.03	1.03		# of strides	4.22	2.94	3.10
wind	-1.1 m/s	velocity	4.81	9.09	9.62	10.10	10.20	10.31	9.80	9.52	9.71	9.71	8.86	52.0	7.11	10.20	9.68

Heat 2 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	29-Aug-87	time	2.06	3.22	4.25	5.25	6.26	7.24	8.24	9.24	10.24	11.26	11.26	2 / 1			
reaction time		interval		1.16	1.03	1.00	1.01	0.98	1.00	1.00	1.00	1.02		# of strides	4.25	2.99	3.00
wind	1.3 m/s	velocity	4.85	8.62	9.71	10.00	9.90	10.20	10.00	10.00	10.00	9.80	8.88	45.0	7.06	10.03	10.00

FINAL - 1983 IAAF World Championships (Helsinki, FIN)*Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*

date	08-Aug-83	time	3.12			5.18	6.16	7.13	8.13	9.11		11.19	11.19	5 / 4			
reaction time	0.186	interval				2.06	0.98	0.97	1.00	0.98		2.08		# of strides			
wind	-0.5 m/s	velocity		6.41		9.71	10.20	10.31	10.00	10.20		9.62	8.94	48.0			

Owens, Ashley (USA) (1985)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2003 USATF National Junior Championships (Palo Alto, CA)*USATF Women's Sprint Development (2003)*

date	22-Jun-03	time	2.14	3.28	4.37	5.41	6.41	7.44	8.46	9.59	10.58	11.60	11.60	7 / 2			
reaction time		interval		1.14	1.09	1.04	1.00	1.03	1.02	1.13	0.99	1.02	PB	# of strides	4.37	3.07	3.14
wind	0.7 m/s	velocity	4.67	8.77	9.17	9.62	10.00	9.71	9.80	8.85	10.10	9.80	8.62		6.86	9.77	9.55

Oyepitan, Abi (GBR) (1979)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2002 European Championships (Munich, GER)*Graubner (2009) - http://www.fgs.uni-halle.de*

date	07-Aug-02	time	3.26	4.31	5.33		7.34		9.36		11.41	11.41		/ 6			
reaction time	0.141	interval		1.05	1.02		2.01		2.02		2.05			# of strides	4.31	3.03	
wind	-0.7 m/s	velocity	6.13	9.52	9.80		9.95		9.90		9.76	8.76			6.96	9.90	

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

date	07-Aug-02	time	3.21	4.25	5.26		7.23		9.24		11.33	11.33		/ 3			
reaction time	0.117	interval		1.04	1.01		1.97		2.01		2.09			# of strides	4.25	2.98	
wind	0.0 m/s	velocity	6.23	9.62	9.90		10.15		9.95		9.57	8.83			7.06	10.07	

Heat 4 - 2002 European Championships (Munich, GER)*Graubner (2009) - http://www.fgs.uni-halle.de*

date	06-Aug-02	time	3.23	4.28	5.30		7.29		9.31		11.40	11.40		/ 2			
reaction time	0.152	interval		1.05	1.02		1.99		2.02		2.09			# of strides	4.28	3.01	
wind	0.3 m/s	velocity	6.19	9.52	9.80		10.05		9.90		9.57	8.77			7.01	9.97	

Pađevetová, Markéta (CZE) (1995)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****Heat 3** - 2014 Czech Republic National U20 Championships (Trinec, CZE)*Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	3.52		5.85		8.15		10.46		12.84	12.84		3 / 3			
reaction time	0.168	interval			2.33		2.30		2.31		2.38			# of strides			
wind	-3.0 m/s	velocity	5.68		8.58		8.70		8.66		8.40	7.79					

Pähler, Stefanie (GER) (1993)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2010 German National Youth Championships (Ulm, GER)*Graubner (2010) - http://www.fgs.uni-halle.de*

date	07-Aug-10	time	3.38	4.46	5.50		7.58		9.67		11.82	11.82		/ 1			
reaction time		interval		1.08	1.04		2.08		2.09		2.15			# of strides	4.46	3.12	
wind	-0.3 m/s	velocity	5.92	9.26	9.62		9.62		9.57		9.30	8.46			6.73	9.62	

Semi-Final 1 - 2010 German National Youth Championships (Ulm, GER)*Graubner (2010) - http://www.fgs.uni-halle.de*

date	07-Aug-10	time	3.41	4.48	5.52		7.57		9.63		11.75	11.75		/ 1			
reaction time		interval		1.07	1.04		2.05		2.06		2.12			# of strides	4.48	3.09	
wind	1.3 m/s	velocity	5.87	9.35	9.62		9.76		9.71		9.43	8.51			6.70	9.71	

B FINAL - 2010 Sparkassen-Gala (Regensburg, GER)*Graubner (2010) - http://www.fgs.uni-halle.de*

date	05-Jun-10	time	3.35	4.41	5.44		7.50		9.60		11.73	11.73		/ 2			
reaction time		interval		1.06	1.03		2.06		2.10		2.13			# of strides	4.41	3.09	
wind	-0.1 m/s	velocity	5.97	9.43	9.71		9.71		9.52		9.39	8.53			6.80	9.71	

Paľičková, Veronika (CZE) (1997)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL** - 2014 Czech Republic National U18 Championships (Trinec, CZE)*Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	2.10	3.28	4.42	5.52	6.64	7.75	8.87	10.01	11.17	12.34	12.34	4 / 1			
reaction time	0.146	interval		1.18	1.14	1.10	1.12	1.11	1.12	1.14	1.16	1.17		# of strides	4.42	3.33	3.42
wind	-6.4 m/s	velocity	4.76	8.47	8.77	9.09	8.93	9.01	8.93	8.77	8.62	8.55	8.10		6.79	9.01	8.77

Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)

date	28-Jun-14	time	3.27	5.50	7.71
reaction time	0.157	interval		2.23	2.21
wind	-4.3 m/s	velocity	6.12	8.97	9.05

Feher (2014) - Final report from the U18 & U20 Czech Republic national championships

	9.96	12.31	12.31	4 / 1
	2.25	2.35		# of strides
	8.89	8.51	8.12	

Palm, Josefin (SWE) (1994)**B FINAL - 2017 Windsprint (Sundsvall, SWE)** (2017) - www.windsprint/Splittider/

date	30-Jul-17	time	4.54	6.68	7.75	12.28	12.28	6 / 3			
reaction time		interval		2.14	1.07	4.53		# of strides	4.54	3.21	
wind	1.6 m/s	velocity	6.61	9.35	9.35	8.83	8.14		6.61	9.35	

A FINAL - 2016 Windsprint (Sundsvall, SWE)**(2016) - www.windsprint/Splittider/**

date	31-Jul-16	time	4.54	7.74	12.17	12.17	2 / 6				
reaction time		interval		3.20	4.43		# of strides	4.54	3.20		
wind	2.0 m/s	velocity	6.61	9.38	9.03	8.22		6.61	9.38		

Heat 1 - 2016 Windsprint (Sundsvall, SWE)**(2016) - www.windsprint/Splittider/**

date	31-Jul-16	time	4.45	7.70	12.21	12.21	1 / 6				
reaction time		interval		3.25	4.51		# of strides	4.45	3.25		
wind	-0.3 m/s	velocity	6.74	9.23	8.87	8.19		6.74	9.23		

C FINAL - 2015 Windsprint (Sundsvall, SWE)**(2015) - www.windsprint/Splittider/**

date	26-Jul-15	time		7.94	10.23	12.63	12.63	6 / 5			
reaction time		interval			2.29	2.40		# of strides			
wind	0.1 m/s	velocity		7.56	8.73	8.33	7.92				

C FINAL - 2013 Windsprint (Sundsvall, SWE)**(2013) - www.ssg.se/windsprint/Splittider/**

date	28-Jul-13	time	4.50	7.72	9.93	12.24	12.24	6 / 5			
reaction time		interval		3.22	2.21	2.31		# of strides	4.50	3.22	
wind	-0.1 m/s	velocity	6.67	9.32	9.05	8.66	8.17		6.67	9.32	

Panboon, Fanny (SWE) (1995)**D FINAL - 2014 Windsprint (Sundsvall, SWE)** (2014) - www.ssg.se/windsprint/Splittider/

date	20-Jul-14	time	4.56	7.91	10.23	12.68	12.68	3 / 2			
reaction time		interval		3.35	2.32	2.45		# of strides	4.56	3.35	
wind	3.1 m/s	velocity	6.58	8.96	8.62	8.16	7.89		6.58	8.96	

C FINAL - 2013 Windsprint (Sundsvall, SWE)**(2013) - www.ssg.se/windsprint/Splittider/**

date	28-Jul-13	time	4.50	7.75	10.02	12.39	12.39	7 / 6			
reaction time		interval		3.25	2.27	2.37		# of strides	4.50	3.25	
wind	-0.1 m/s	velocity	6.67	9.23	8.81	8.44	8.07		6.67	9.23	

D FINAL - 2013 Windsprint (Sundsvall, SWE)**(2013) - www.ssg.se/windsprint/Splittider/**

date	28-Jul-13	time	4.45	7.67	9.87	12.19	12.19	4 / 1			
reaction time		interval		3.22	2.20	2.32		# of strides	4.45	3.22	
wind	2.7 m/s	velocity	6.74	9.32	9.09	8.62	8.20		6.74	9.32	

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

date	17-Jun-12	time	4.55	7.86	10.14	12.56	12.56	/ 3			
reaction time		interval		3.31	2.28	2.42		# of strides	4.55	3.31	
wind	1.5 m/s	velocity	6.59	9.06	8.77	8.26	7.96		6.59	9.06	

Papaconstantinou, Marissa (CAN) (1991)**Para FINAL - 2023 Prefontaine Classic (Eugene, OR)** Omega Timing (2023) - diamond.league/race/analysis

date	17-Sep-23	time	2.45	3.79	5.02	6.20	7.37	8.53	9.72	10.91	12.14	13.42	13.42	4 / 5			
reaction time	0.236	interval	1.34	1.23	1.18	1.17	1.16	1.19	1.19	1.23	1.28		# of strides	5.02	3.51	3.61	
wind	0.7 m/s	velocity	4.08	7.46	8.13	8.47	8.55	8.62	8.40	8.40	8.13	7.81	7.45	55.2	5.98	8.55	8.31

Parisot, Helene (FRA) (1992)**B FINAL - Heat 3 - 2022 Athletissima (Lausanne, SUI)** Omega Timing (2022) - diamond.league/race/analysis

date	26-Aug-22	time	3.3		5.4	7.4	9.4			11.54	11.54	3 / 1				
reaction time		interval		2.10	2.00	2.00			2.14			# of strides				
wind	0.8 m/s	velocity	6.06	9.52	10.00	10.00			9.35	8.67						

Parker, Kiara (USA) (1996)**FINAL - 2021 Doha Diamond League (Doha, QAT)** Omega Timing (2021) - diamond.league/race/analysis

date	28-May-21	time	3.2	5.3	7.2	9.2				11.26	11.26	2 / 6				
reaction time	0.142	interval		2.10	1.90	2.00			2.06			# of strides				
wind	1.1 m/s	velocity	6.25	9.52	10.53	10.00			9.71	8.88		53.2				

Paschke, Melanie (GER) (1970)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

FINAL - 2002 European Championships (Munich, GER)

date	07-Aug-02	time	3.21	4.26	5.28	7.28	9.29	11.37	11.37	Graubner (2009) - http://www.fgs.uni-halle.de			
reaction time	0.137	interval		1.05	1.02	2.00	2.01	2.08		# of strides	4.26	3.02	
wind	-0.7 m/s	velocity	6.23	9.52	9.80	10.00	9.95	9.62	8.80	53.1	7.04	9.93	

Semi-Final 2 - 2002 European Championships (Munich, GER)

date	07-Aug-02	time	3.20	4.25	5.27	7.26	9.27	11.35	11.35	Graubner (2009) - http://www.fgs.uni-halle.de			
reaction time	0.148	interval		1.05	1.02	1.99	2.01	2.08		# of strides	4.25	3.01	
wind	0.3 m/s	velocity	6.25	9.52	9.80	10.05	9.95	9.62	8.81		7.06	9.97	

Heat 3 - 2002 European Championships (Munich, GER)

date	06-Aug-02	time	3.17	4.22	5.24	7.25	9.27	11.36	11.36	Graubner (2009) - http://www.fgs.uni-halle.de			
reaction time	0.127	interval		1.05	1.02	2.01	2.02	2.09		# of strides	4.22	3.03	
wind	0.0 m/s	velocity	6.31	9.52	9.80	9.95	9.90	9.57	8.80		7.11	9.90	

FINAL - 2001 ISTAF (Berlin, GER)

date	31-Aug-01	time	3.25	4.30	5.32	7.32	9.34	11.41	11.41	Graubner (2009) - http://www.fgs.uni-halle.de			
reaction time	0.173	interval		1.05	1.02	2.00	2.02	2.07		# of strides	4.30	3.02	
wind	0.5 m/s	velocity	6.15	9.52	9.80	10.00	9.90	9.66	8.76		6.98	9.93	

C FINAL - 2001 European Cup (Bremen, GER)

date	23-Jun-01	time	3.24	4.30	5.33	7.36	9.39	11.48	11.48	Graubner (2007) - http://www.fgs.uni-halle.de			
reaction time	0.140	interval		1.06	1.03	2.03	2.03	2.09		# of strides	4.30	3.06	
wind	-0.2 m/s	velocity	6.17	9.43	9.71	9.85	9.85	9.57	8.71		6.98	9.80	

FINAL - 1997 IAAF World Championships (Athens, GRE)

date	03-Aug-97	time	1.89	3.03	4.07	5.07	6.05	7.03	8.01	9.01	10.02	11.05	11.19	Ritzdorf (1997) - <i>biomechanical research project at the VI th world championships in athletics, Athens 1997</i>			
reaction time	0.138	interval		1.14	1.04	1.00	0.98	0.98	0.98	1.00	1.01	1.03		# of strides	4.07	2.96	2.99
wind	0.4 m/s	velocity	5.29	8.77	9.62	10.00	10.20	10.20	10.20	10.00	9.90	9.71	8.94	51.3	7.37	10.14	10.03

FINAL - 1997 German National Championships (Frankfurt, GER)

date	28-Jun-97	time	1.98	3.12	4.15	5.16	6.16	7.14	8.14	9.14	10.15	11.18	11.18	Grosser (2007) - <i>Schnelligkeitsairtraining</i>			
reaction time		interval		1.14	1.03	1.01	1.00	0.98	1.00	1.00	1.01	1.03		# of strides	4.15	2.99	3.01
wind	1.2 m/s	velocity	5.05	8.77	9.71	9.90	10.00	10.20	10.00	10.00	9.90	9.71	8.94		7.23	10.03	9.97

FINAL - 1996 German National Championships (Köln, GER)

date	21-Jun-96	time	2.03		4.19		7.11		9.05		11.06	11.06		Graubner (2007) - http://www.fgs.uni-halle.de			
reaction time		interval			2.16		2.92		1.94		2.01			# of strides	4.19	2.92	
wind	0.6 m/s	velocity	4.93		9.26		10.27		10.31		9.95	9.04			7.16	10.27	

Pastushenko, Olena (UKR) (1979)

Semi-Final 2 - 2002 European Championships (Munich, GER)																	Graubner (2009) - http://www.fgs.uni-halle.de				
date	07-Aug-02	time	3.17	4.22	5.24		7.27		9.36		11.54	11.54	/ 8								
reaction time	0.115	interval		1.05	1.02		2.03		2.09		2.18		# of strides	4.22	3.05						
wind	0.3 m/s	velocity	6.31	9.52	9.80		9.85		9.57		9.17	8.67		7.11	9.84						

Patková, Dominika (CZE) (1997)

Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)										Feher (2014) - Final report from the U18 & U20 Czech Republic national championships						
date	28-Jun-14	time	3.43		5.77		8.12		10.53		13.06	13.06	3 / 4			
reaction time	0.170	interval			2.34		2.35		2.41		2.53		# of strides			
wind	-4.3 m/s	velocity	5.83		8.55		8.51		8.30		7.91	7.66				

Pettersson, Erica (SWE) (1990)

B FINAL - 2011 Windsprint (Sundsvall, SWE)										(2011) - www.ssg.se/en/Windsprint/Split-times/			
date	31-Jul-11	time	4.41	7.53	9.61	11.78	11.78	2 / 2					
reaction time		interval		3.12	2.08	2.17		# of strides	4.41	3.12			
wind	3.4 m/s	velocity	6.80	9.62	9.62	9.22	8.49		6.80	9.62			

Pelham, Shaunta (USA) (1978)

Quarter-Final 4 - 2004 USA Olympic Trials (Sacramento, CA)													USATF Women's Sprint Development (2004)				
date	09-Jul-04	time	2.16	3.34	4.37	5.37	6.39	7.42	8.46	9.52	10.56	11.70	11.70	6 / 6			
reaction time		interval		1.18	1.03	1.00	1.02	1.03	1.04	1.06	1.04	1.14		# of strides	4.37	3.05	3.14
wind	-0.8 m/s	velocity	4.63	8.47	9.71	10.00	9.80	9.71	9.62	9.43	9.62	8.77	8.55	51.0	6.86	9.84	9.55

Pendareva, Petya (BUL) (1971)

B FINAL - 2000 ISTAF (Berlin, GER)											Graubner (2009) - http://www.fgs.uni-halle.de				
date	01-Sep-00	time	3.10	4.15	5.17	7.16	11.30	11.30	/ 1						
reaction time	0.135	interval		1.05	1.02	1.99	4.14		# of strides	4.15	3.01				
wind	0.1 m/s	velocity	6.45	9.52	9.80	10.05	9.66	8.85		7.23	9.97				

Perrow, Victoria (USA) (2003)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
U20 FINAL - 2020 Millrose Games (New York, NY)															
PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/															

date	08-Feb-20	time	2.23	3.38	4.44	5.52	6.57	7.60						7.60	6 / 3			
reaction time		interval		1.15	1.06	1.08	1.05	1.03						=PB	# of strides	4.44	3.16	
		velocity	4.48	8.70	9.43	9.26	9.52	9.71						7.89		6.76	9.49	
Perry, Nanceen (USA) (1977)																		
FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)																		
date	06-Mar-99	time		4.28				7.38						7.38	1 / 4			
reaction time		interval						3.10							# of strides	4.28	3.10	
		velocity		7.01				9.68						8.13	32.5	7.01	9.68	
FINAL - 1996 USATF National Junior Championships (Delaware, OH)																		
date	28-Jun-96	time	2.16	4.43		6.36	7.36			10.49	11.71		11.71	8 / 5				
reaction time		interval		2.27		1.93	1.00			3.13	1.22			# of strides	4.43	2.93	3.13	
wind	0.5 m/s	velocity	4.63	8.81		10.36	10.00			9.58	8.20		8.54		6.77	10.24	9.58	
Peters, Mareike (GER) (1986)																		
C FINAL - 2009 ISTAF (Berlin, GER)																		
date	14-Jun-09	time		3.34	4.42	5.47		7.58		9.73		11.96	11.96	1 / 7				
reaction time	0.213	interval			1.08	1.05		2.11		2.15		2.23		# of strides	4.42	3.16		
wind	0.9 m/s	velocity		5.99	9.26	9.52		9.48		9.30		8.97	8.36		6.79	9.49		
Petrikovičová, Markéta (CZE) (1998)																		
Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)																		
date	28-Jun-14	time		3.65		6.05		8.44		10.85		13.34	13.34	7 / 6				
reaction time	0.245	interval				2.40		2.39		2.41		2.49		# of strides				
wind	-4.3 m/s	velocity		5.48		8.33		8.37		8.30		8.03	7.50					
Petroci-Coninx, Lauren (BEL) (2007)																		
U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)																		
date	08-Sep-23	time	2.20	3.43	4.54	5.61	6.68	7.76	8.86	9.97	11.10	12.27	12.27	5 / 6				
reaction time	0.170	interval		1.23	1.11	1.07	1.07	1.08	1.10	1.11	1.13	1.17		# of strides	4.54	3.22	3.34	
wind	0.4 m/s	velocity	4.55	8.13	9.01	9.35	9.35	9.26	9.09	9.01	8.85	8.55	8.15		6.61	9.32	8.98	
Phan Tran Vi Thanh (CZE) (1995)																		
Heat 3 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																		
date	28-Jun-14	time		3.60		6.04		8.43		10.81		13.22	13.22	6 / 4				
reaction time	0.157	interval				2.44		2.39		2.38		2.41		# of strides				
wind	-3.0 m/s	velocity		5.56		8.20		8.37		8.40		8.30	7.56					
Philip, Asha (GBR) (1990)																		
FINAL - 2013 European Indoor Championships (Göteborg, SWE)																		
date	03-Mar-13	time		3.11		5.16		7.15					7.15	7 / 6				
reaction time	0.134	interval				2.05		1.99					=PB	# of strides				
		velocity		6.43		9.76		10.05					8.39	31.2				
Philipp, Andrea (GER) (1971)																		
C FINAL - 2001 European Cup (Bremen, GER)																		
date	23-Jun-01	time		3.31	4.42	5.50		7.62		9.79		11.98	11.98	1 / 7				
reaction time	0.127	interval			1.11	1.08		2.12		2.17		2.19		# of strides	4.42	3.20		
wind	-0.2 m/s	velocity		6.04	9.01	9.26		9.43		9.22		9.13	8.35		6.79	9.38		
FINAL - 2000 ISTAF (Berlin, GER)																		
date	01-Sep-00	time		3.16	4.21	5.23		7.21				11.27	11.27	1 / 6				
reaction time	0.151	interval			1.05	1.02		1.98				4.06		# of strides	4.21	3.00		
wind	0.1 m/s	velocity		6.33	9.52	9.80		10.10				9.85	8.87	50.8	7.13	10.00		
FINAL - 1997 European Cup (Munich, GER)																		
date	21-Jun-97	time	2.01		4.25			7.22		9.21		11.23	11.23	1 / 2				
reaction time		interval			2.24			2.97		1.99		2.02		# of strides	4.25	2.97		
wind	0.6 m/s	velocity	4.98		4.71			10.10		10.05		9.90	8.90		7.06	10.10		
FINAL - 1997 Sparkasse (Dortmund, GER)																		
date	08-Jun-97	time	1.99		4.19			7.11		9.06		11.05	11.05	1 / 1				
reaction time		interval			2.20			2.92		1.95		1.99	PB	# of strides	4.19	2.92		
wind	1.1 m/s	velocity	5.03		9.09			10.27		10.26		10.05	9.05		7.16	10.27		
Philippe, Chloe (BEL) (2006)																		
U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)																		
date	08-Sep-23	time	2.19	3.44	4.58	5.68	6.77	7.86	8.96	10.07	11.20	12.36	12.36	1 / 7				
reaction time	0.160	interval		1.25	1.14	1.10	1.09	1.09	1.10	1.11	1.13	1.16		# of strides	4.58	3.28	3.34	
wind	0.4 m/s	velocity	4.57	8.00	8.77	9.09	9.17	9.17	9.09	9.01	8.85	8.62	8.09		6.55	9.15	8.98	

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Phipps, Angela (CAN) (1964)																	
Quarter-Final 1 - 1987 IAAF World Championships (Rome, ITA)																	
Francis (1997) - training for speed																	
date	29-Aug-87	time	2.08	3.34	4.46	5.47	6.48	7.53	8.56	9.60	10.62	11.67	11.67	2 / 5			
reaction time	0.230	interval		1.26	1.12	1.01	1.01	1.05	1.03	1.04	1.02	1.05		# of strides	4.46	3.07	3.09
wind	-0.3 m/s	velocity	4.81	7.94	8.93	9.90	9.90	9.52	9.71	9.62	9.80	9.52	8.57	50.0	6.73	9.77	9.71
Pierre, Jada (USA) (2002)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
U20 FINAL - 2020 Millrose Games (New York, NY)																	
PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/																	
date	08-Feb-20	time	2.32	3.50	4.61	5.67	6.77	7.79					7.79	1 / 6			
reaction time		interval		1.18	1.11	1.06	1.10	1.02						# of strides	4.61	3.18	
		velocity	4.31	8.47	9.01	9.43	9.09	9.80					7.70		6.51	9.43	
Pierre, Barbara (USA) (1987)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)																	
Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters																	
date	08-May-16	time	1.99	3.10	4.14	5.13	6.12	7.12	8.15	9.20	10.29	11.40	11.40	4 / 3			
reaction time		interval		1.11	1.04	0.99	0.99	1.00	1.03	1.05	1.09	1.11		# of strides	4.14	2.98	3.17
wind	-1.7 m/s	velocity	5.03	9.01	9.62	10.10	10.10	10.00	9.71	9.52	9.17	9.01	8.77	56.4	7.25	10.07	9.46
Pillay, Geraldine (RSA) (1977)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2008 Windsprint (Sundsvall, SWE)																	
(2008) - www.ssg.se/en/Windsprint/Split-times/																	
date	06-Jul-08	time			4.38			7.41		9.53		11.68	11.68	3 / 5			
reaction time		interval						3.03		2.12		2.15		# of strides	4.38	3.03	
wind	1.0 m/s	velocity			6.85			9.90		9.43		9.30	8.56		6.85	9.90	
Pinto, Tatjana (GER) (1992)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2020 Millrose Games (New York, NY)																	
PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/																	
date	08-Feb-20	time	2.21	3.30	4.35	5.35	6.35	7.33					7.33	1 / 7			
reaction time	0.193	interval		1.09	1.05	1.00	1.00	0.98						# of strides	4.35	2.98	
		velocity	4.52	9.17	9.52	10.00	10.00	10.20					8.19	20.5	6.90	10.07	
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)																	
Omega Timing (2019) - diamond league race analysis																	
date	18-Aug-19	time			3.2			7.2		9.2		11.15	11.15	6 / 1			
reaction time	0.145	interval					2.0	2.0		2.0		1.95		# of strides			
wind	-0.9 m/s	velocity			6.25		10.00	10.00		10.00		10.26	8.97	48.7			
FINAL - 2010 German National Junior Championships (Ulm, GER)																	
Graubner (2010) - http://www.fgs.uni-halle.de																	
date	06-Aug-10	time		3.31	4.37	5.39		7.41		9.48		11.64	11.64	/ 2			
reaction time		interval			1.06	1.02		2.02		2.07		2.16		# of strides	4.37	3.04	
wind	0.4 m/s	velocity		6.04	9.43	9.80		9.90		9.66		9.26	8.59		6.86	9.87	
Semi-Final 1 - 2010 German National Junior Championships (Ulm, GER)																	
Graubner (2010) - http://www.fgs.uni-halle.de																	
date	06-Aug-10	time		3.26	4.32	5.35		7.38		9.45		11.58	11.58	/ 1			
reaction time		interval			1.06	1.03		2.03		2.07		2.13		# of strides	4.32	3.06	
wind	0.4 m/s	velocity		6.13	9.43	9.71		9.85		9.66		9.39	8.64		6.94	9.80	
FINAL - 2010 Sparkassen-Gala (Regensburg, GER)																	
Graubner (2010) - http://www.fgs.uni-halle.de																	
date	05-Jun-10	time		3.21	4.25	5.26		7.27		9.33		11.46	11.46	/ 3			
reaction time		interval			1.04	1.01		2.01		2.06		2.13	PB	# of strides	4.25	3.02	
wind	-0.4 m/s	velocity		6.23	9.62	9.90		9.95		9.71		9.39	8.73		7.06	9.93	
Heat 3 - 2010 Sparkassen-Gala (Regensburg, GER)																	
Graubner (2010) - http://www.fgs.uni-halle.de																	
date	05-Jun-10	time		3.20	4.24	5.24		7.27		9.35		11.50	11.50	/ 2			
reaction time		interval			1.04	1.00		2.03		2.08		2.15	PB	# of strides	4.24	3.03	
wind	-0.7 m/s	velocity		6.25	9.62	10.00		9.85		9.62		9.30	8.70		7.08	9.90	
Pohrebnyak, Nataliya (UKR) (1988)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)																	
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																	
date	16-Aug-09	time		3.21	4.26	5.27		7.31		9.36		11.49	11.49	1 / 6			
reaction time	0.149	interval			1.05	1.01		2.04		2.05		2.13		# of strides	4.26	3.05	
wind	0.1 m/s	velocity		6.23	9.52	9.90		9.80		9.76		9.39	8.70	49.5	7.04	9.84	
Heat 7 - 2009 IAAF World Championships (Berlin, GER)																	
Graubner (2009) - biomechanical analyses at the 12th IAAF world championships																	
date	16-Aug-09	time		3.22	4.28	5.30		7.34		9.39		11.54	11.54	6 / 3			
reaction time	0.164	interval			1.06	1.02		2.04		2.05		2.15		# of strides	4.28	3.06	
wind	-0.5 m/s	velocity		6.21	9.43	9.80		9.80		9.76		9.30	8.67		7.01	9.80	
Polin-Fokoua, Nathalie (FRA) (1970)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
Heat 1 - 1996 International French Championships (Bercy, FRA)																	
Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m																	
date	10-Feb-96	time	2.17	3.38	4.47	5.56	6.60	7.68					7.68	/ 6			
reaction time		interval		1.21	1.09	1.09	1.04	1.08						# of strides	4.47	3.21	
		velocity	4.61	8.26	9.17	9.17	9.62	9.26					7.81		6.71	9.35	

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Polyakova, Yevgeniya (RUS) (1983)																	
Heat 5 - 2009 IAAF World Championships (Berlin, GER)																	
date	16-Aug-09	time	3.20	4.24	5.25		7.27	9.30	11.41	11.41	2 / 2						
reaction time	0.150	interval		1.04	1.01		2.02	2.03	2.11	# of strides		4.24	3.03				
wind	-0.7 m/s	velocity	6.25	9.62	9.90		9.90	9.85	9.48	8.76	7.08		9.90				
Posch, Isabel (AUT) (2000)																	
National B FINAL - 2023 Weltklasse (Zürich, SUI)																	
date	31-Aug-23	time	2.03	3.21	4.27	5.30	6.31	7.32	8.35	9.40	10.47	11.57	11.57	8 / 1			
reaction time	0.142	interval		1.18	1.06	1.03	1.01	1.01	1.03	1.05	1.07	1.10	# of strides		4.27	3.05	3.15
wind	-0.2 m/s	velocity	4.93	8.47	9.43	9.71	9.90	9.90	9.71	9.52	9.35	9.09	8.64	7.03		9.84	9.52
Powell, Virginia (Ginnie) (USA) (1983)																	
FINAL - 2005 USATF National Championships (Carson, CA)																	
date	25-Jun-05	time	2.04	3.17	4.22	5.27	6.27	7.26	8.29	9.36	10.37	11.50	11.50	2 / 7			
reaction time		interval		1.13	1.05	1.05	1.00	0.99	1.03	1.07	1.01	1.13	# of strides		4.22	3.04	3.11
wind	-1.6 m/s	velocity	4.90	8.85	9.52	9.52	10.00	10.10	9.71	9.35	9.90	8.85	8.70	50.2	7.11	9.87	9.65
Semi-Final 2 - 2005 USATF National Championships (Carson, CA)																	
date	25-Jun-05	time	2.04	3.17	4.17	5.14	6.14	7.13	8.07	9.09	10.08	11.18	11.18	4 / 4			
reaction time		interval		1.13	1.00	0.97	1.00	0.99	0.94	1.02	0.99	1.10	# of strides		4.17	2.96	2.95
wind	2.1 m/s	velocity	4.90	8.85	10.00	10.31	10.00	10.10	10.64	9.80	10.10	9.09	8.94	7.19		10.14	10.17
Heat 1 - 2005 USATF National Championships (Carson, CA)																	
date	24-Jun-05	time	2.02	3.14	4.22	5.24	6.27	7.26	8.25	9.32	10.35	11.42	11.42	3 / 2			
reaction time		interval		1.12	1.08	1.02	1.03	0.99	0.99	1.07	1.03	1.07	# of strides		4.22	3.04	3.09
wind	-2.0 m/s	velocity	4.95	8.93	9.26	9.80	9.71	10.10	10.10	9.35	9.71	9.35	8.76	7.11		9.87	9.71
Privalova, Irina (RUS) (1968)																	
FINAL - 1993 IAAF World Championships (Stuttgart, GER)																	
date	16-Aug-93	time		4.09				7.00		8.96		10.96	10.96	4 / 4			
reaction time	0.174	interval						2.91		1.96		2.00	# of strides		4.09	2.91	
wind	0.3 m/s	velocity		7.33				10.31		10.20		10.00	9.12	47.5	7.33	10.31	
Privalova, Irina (EUN) (1968)																	
FINAL - 1992 Olympic Games (Barcelona, ESP)																	
date	01-Aug-92	time		3.08		5.03		6.93		8.89		10.84	10.84	6 / 3			
reaction time	0.184	interval				1.95		1.90		1.96		1.95	# of strides				
wind	-1.0 m/s	velocity		6.49		10.26		10.53		10.20		10.26	9.23	48.2			
Privalova, Irina (RUS) (1968)																	
FINAL - 1991 European Cup (Frankfurt, GER)																	
date	29-Jun-91	time			4.14			7.14		9.19		11.29	11.29	1 / 1			
reaction time		interval						3.00		2.05		2.10	# of strides		4.14	3.00	
wind	-2.7 m/s	velocity			7.25			10.00		9.76		9.52	8.86		7.25	10.00	
Sergeyeva, Irina (URS) (1968)																	
FINAL - 1990 Goodwill Games (Seattle, WA)																	
date	24-Jul-90	time	2.14	3.19	4.24	5.22	6.21	7.18	8.15		10.16	11.26	11.25	2 / 6			
reaction time		interval		1.05	1.05	0.98	0.99	0.97	0.97		2.01	1.10	# of strides		4.24	2.94	2.98
wind	0.0 m/s	velocity	4.67	9.52	9.52	10.20	10.10	10.31	10.31		9.95	9.09	8.89		7.08	10.20	10.07
Procházková, Barbora (CZE) (1991)																	
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)																	
date	15-Jun-13	time	2.13	3.26	4.35	5.34	6.35	7.36	8.39	9.43	10.49	11.57	11.57	5 / 2			
reaction time	0.160	interval		1.13	1.09	0.99	1.01	1.01	1.03	1.04	1.06	1.08	PB	# of strides	4.35	3.01	3.13
wind	-0.2 m/s	velocity	4.69	8.85	9.17	10.10	9.90	9.90	9.71	9.62	9.43	9.26	8.64		6.90	9.97	9.58
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)																	
date	15-Jun-13	time		3.27		5.37		7.42		9.51		11.70	11.70	4 / 1			
reaction time	0.136	interval				2.10		2.05		2.09		2.19	# of strides				
wind	-1.3 m/s	velocity		6.12		9.52		9.76		9.57		9.13	8.55				
FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)																	
date	25-Feb-12	time	2.16	3.38	4.46	5.53	6.58	7.64	Feher (2012) - Czech Republic indoor national championships - women's 60m								
reaction time	0.184	interval		1.22	1.08	1.07	1.05	1.06	7.64		6 / 5						
		velocity	4.63	8.20	9.26	9.35	9.52	9.43	7.85		# of strides		4.46	3.18			
Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)																	
date	25-Feb-12	time	2.13	3.33	4.43	5.49	6.55	7.61	Feher (2012) - Czech Republic indoor national championships - women's 60m								
reaction time	0.187	interval		1.20	1.10	1.06	1.06	1.06	7.61		5 / 2						
		velocity	4.69	8.33	9.09	9.43	9.43	9.43	7.88		# of strides		4.43	3.18			
Heat 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)																	
date	25-Feb-12	time	2.11	3.32	4.46	5.48	6.55	7.67	Feher (2012) - Czech Republic indoor national championships - women's 60m								
									7.67		5 / 2						

reaction time	0.158	interval	1.21	1.14	1.02	1.07	1.12											# of strides	4.46	3.21
		velocity	4.74	8.26	8.77	9.80	9.35	8.93						7.82					6.73	9.35
Prochová, Hana (CZE) (1996)																				
FINAL - 2014 Czech Republic National U20 Championships (Trinec, CZE)											<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>									
date	28-Jun-14	time	2.22	3.47	4.66	5.79	6.92	8.06	9.21	10.38	11.57	12.84	12.84					8 / 7		
reaction time	0.160	interval		1.25	1.19	1.13	1.13	1.14	1.15	1.17	1.19	1.27						# of strides	4.66	3.40
wind	-4.5 m/s	velocity	4.50	8.00	8.40	8.85	8.85	8.77	8.70	8.55	8.40	7.87	7.79						6.44	8.82
Heat 2 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																				
date	28-Jun-14	time		3.43		5.72		7.97		10.26		12.70	12.70					3 / 3		
reaction time	0.164	interval				2.29		2.25		2.29		2.44						# of strides		
wind	-3.2 m/s	velocity		5.83		8.73		8.89		8.73		8.20	7.87							
Purvis, Ashton (USA) (1992)																				
FINAL - 2008 USATF National Junior Championships (Columbus, OH)											<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	20-Jun-08	time	2.16	3.30	4.41	5.47	6.48	7.49	8.50	9.57	10.62	11.66	11.66					2 / 7		
reaction time		interval		1.14	1.11	1.06	1.01	1.01	1.01	1.07	1.05	1.04						# of strides	4.41	3.08
wind	1.3 m/s	velocity	4.63	8.77	9.01	9.43	9.90	9.90	9.90	9.35	9.52	9.62	8.58						6.80	9.74
Rajmonová, Anežka (CZE) (1997)																				
FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE)											<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>									
date	28-Jun-14	time	2.25	3.54	4.75	5.92	7.09	8.29	9.48	10.68	11.90	13.16	13.16					1 / 8		
reaction time	0.169	interval		1.29	1.21	1.17	1.17	1.20	1.19	1.20	1.22	1.26						# of strides	4.75	3.54
wind	-6.4 m/s	velocity	4.44	7.75	8.26	8.55	8.55	8.33	8.40	8.33	8.20	7.94	7.60						6.32	8.47
Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)																				
date	28-Jun-14	time		3.58		5.89		8.14		10.43		12.72	12.72					6 / 4		
reaction time	0.188	interval				2.31		2.25		2.29		2.29						# of strides		
wind	-1.4 m/s	velocity		5.59		8.66		8.89		8.73		8.73	7.86							
Rakotondrabe, Hanitriniana (MAD) (1996)																				
FINAL - 1996 International French Championships (Bercy, FRA)											<i>Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m</i>									
date	10-Feb-96	time	2.08	3.24	4.28	5.29	6.30	7.31					7.31					1 / 2		
reaction time		interval		1.16	1.04	1.01	1.01	1.01										# of strides	4.28	3.03
		velocity	4.81	8.62	9.62	9.90	9.90	9.90					8.21						7.01	9.90
Heat 1 - 1996 International French Championships (Bercy, FRA)																				
date	10-Feb-96	time	2.02	3.27	4.34	5.36	6.37	7.40					7.40					1 / 1		
reaction time		interval		1.25	1.07	1.02	1.01	1.03										# of strides	4.34	3.06
		velocity	4.95	8.00	9.35	9.80	9.90	9.71					8.11						6.91	9.80
Rappová, Anna-Marie (CZE) (1993)																				
Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)											<i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>									
date	25-Feb-12	time	2.13	3.38	4.47	5.57	6.65	7.76					7.76					7 / 6		
reaction time	0.177	interval		1.25	1.09	1.10	1.08	1.11										# of strides	4.47	3.29
		velocity	4.69	8.00	9.17	9.09	9.26	9.01					7.73						6.71	9.12
Heat 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)																				
date	25-Feb-12	time	2.15	3.37	4.54	5.59	6.68	7.77					7.77					6 / 5		
reaction time	0.164	interval		1.22	1.17	1.05	1.09	1.09										# of strides	4.54	3.23
		velocity	4.65	8.20	8.55	9.52	9.17	9.17					7.72						6.61	9.29
Rard-Reuse, Clélia (SUI) (1988)																				
FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI)											<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>									
date	07-May-16	time				6.40						11.70	11.70					1 / 2		
reaction time		interval										5.30						# of strides		
wind	0.4 m/s	velocity				7.81						9.43	8.55							
Ratcliff, LaShawndra (USA) (1982)																				
Heat 3 - 2005 USATF National Championships (Carson, CA)											<i>USATF Women's Sprint Development (2005)</i>									
date	24-Jun-05	time	2.14	3.34	4.40	5.44	6.49	7.54	8.57	9.68	10.77	11.89	11.89					7 / 7		
reaction time		interval		1.20	1.06	1.04	1.05	1.05	1.03	1.11	1.09	1.12						# of strides	4.40	3.14
wind	1.4 m/s	velocity	4.67	8.33	9.43	9.62	9.52	9.52	9.71	9.01	9.17	8.93	8.41						6.82	9.55
Reinle, Cynthia (SUI) (2000)																				
FINAL - 2021 Müller British Grand Prix (Gateshead, GBR)											<i>Omega Timing (2021) - diamond league race analysis</i>									
date	13-Jul-21	time		3.3		5.5		7.5		9.6		11.77	11.77					7 / 7		
reaction time	0.179	interval				2.20		2.00		2.10		2.17						# of strides		
wind	1.5 m/s	velocity		6.06		9.09		10.00		9.52		9.22	8.50							
Rhett, Amandi (USA) (1982)																				

Semi-Final 1 - 2005 USATF National Championships (Carson, CA)

USATF Women's Sprint Development (2005)

date	25-Jun-05	time	2.08	3.25	4.32	5.32	6.34	7.32	8.31	9.34	10.38	11.45	11.45	8 / 8			
reaction time		interval		1.17	1.07	1.00	1.02	0.98	0.99	1.03	1.04	1.07		# of strides	4.32	3.00	3.06
wind	3.0 m/s	velocity	4.81	8.55	9.35	10.00	9.80	10.20	10.10	9.71	9.62	9.35	8.73		6.94	10.00	9.80

Heat 3 - 2005 USATF National Championships (Carson, CA)

USATF Women's Sprint Development (2005)

date	24-Jun-05	time	2.10	3.27	4.35	5.39	6.39	7.41	8.42	9.46	10.50	11.57	11.57	5 / 6			
reaction time		interval		1.17	1.08	1.04	1.00	1.02	1.01	1.04	1.04	1.07		# of strides	4.35	3.06	3.09
wind	1.4 m/s	velocity	4.76	8.55	9.26	9.62	10.00	9.80	9.90	9.62	9.62	9.35	8.64		6.90	9.80	9.71

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

USATF Women's Sprint Development (2004)

date	09-Jul-04	time	2.15	3.32	4.37	5.44	6.42	7.46	8.46	9.53	10.59	11.72	11.72	5 / 5			
reaction time		interval		1.17	1.05	1.07	0.98	1.04	1.00	1.07	1.06	1.13		# of strides	4.37	3.09	3.13
wind	-1.4 m/s	velocity	4.65	8.55	9.52	9.35	10.20	9.62	10.00	9.35	9.43	8.85	8.53	55.7	6.86	9.71	9.58

Richter, Annegret (FRG) (1950)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 1972 Olympic Games (Munich, FRG)

Breizer (1984) - sprint competition analysis

date	02-Sep-72	time		4.18		7.30		9.33		11.38		11.38		2 / 5			
reaction time		interval				3.12		2.03		2.05				# of strides	4.18	3.12	
wind	-0.2 m/s	velocity		7.18		9.62		9.85		9.76		8.79		53.0	7.18	9.62	

Richards, Kerry Ann (JAM) (1976)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)

Winckler (2008) - running parameters

date	06-Mar-99	time		4.33		7.44				7.44				7 / 6			
reaction time		interval				3.11								# of strides	4.33	3.11	
		velocity		6.93		9.65				8.06				31.5	6.93	9.65	

Richardson, Marcia (GBR) (1972)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	23-Jun-01	time		3.24	4.31	5.34		7.36		9.40		11.46		1 / 2			
reaction time	0.139	interval			1.07	1.03		2.02		2.04		2.06		# of strides	4.31	3.05	
wind	1.8 m/s	velocity		6.17	9.35	9.71		9.90		9.80		9.71		8.73	6.96	9.84	

Richardson, Sha'Carri (USA) (2000)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2023 Prefontaine Classic (Eugene, OR)

Omega Timing (2023) - diamond league race analysis

date	16-Sep-23	time	2.07	3.20	4.21	5.17	6.11	7.04	7.97	8.90	9.85	10.80	10.80	5 / 4			
reaction time	0.146	interval		1.13	1.01	0.96	0.94	0.93	0.93	0.93	0.95	0.95		# of strides	4.21	2.83	2.81
wind	0.8 m/s	velocity	4.83	8.85	9.90	10.42	10.64	10.75	10.75	10.75	10.53	10.53	9.26	50.5	7.13	10.60	10.68

FINAL - 2023 Weltklasse (Zürich, SUI)

Omega Timing (2023) - diamond league race analysis

date	31-Aug-23	time	2.05	3.18	4.19	5.16	6.11	7.05	8.00	8.95	9.91	10.88	10.88	4 / 1			
reaction time	0.166	interval		1.13	1.01	0.97	0.95	0.94	0.95	0.95	0.96	0.97		# of strides	4.19	2.86	2.86
wind	-0.2 m/s	velocity	4.88	8.85	9.90	10.31	10.53	10.64	10.53	10.53	10.42	10.31	9.19	51.7	7.16	10.49	10.49

FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)

Omega Timing (2023) - diamond league race analysis

date	16-Jul-23	time	2.04	3.14	4.15	5.11	6.05	6.98	7.91	8.84	9.79	10.76	10.76	6 / 1			
reaction time	0.183	interval		1.10	1.01	0.96	0.94	0.93	0.93	0.93	0.95	0.97		# of strides	4.15	2.83	2.81
wind	0.2 m/s	velocity	4.90	9.09	9.90	10.42	10.64	10.75	10.75	10.75	10.53	10.31	9.29	50.0	7.23	10.60	10.68

FINAL - 2022 Weltklasse (Zürich, SUI)

Omega Timing (2022) - diamond league race analysis

date	08-Sep-22	time		3.20		5.22		7.16		9.13		11.13	11.13	2 / 7			
reaction time	0.163	interval				2.02		1.94		1.97		2.00		# of strides			
wind	-0.8 m/s	velocity		6.25		9.90		10.31		10.15		10.00	8.98	52.0			

FINAL - 2022 Memorial van Damme (Brussels, BEL)

Omega Timing (2022) - diamond league race analysis

date	02-Sep-22	time		3.18		5.16		7.05		8.96		10.93	10.93	7 / 5			
reaction time	0.153	interval				1.98		1.89		1.91		1.97		# of strides			
wind	0.6 m/s	velocity		6.29		10.10		10.58		10.47		10.15	9.15	51.7			

FINAL - 2022 Prefontaine Classic (Eugene, OR)

Omega Timing (2022) - diamond league race analysis

date	28-May-22	time		3.15		5.15		7.06		8.96		10.92	10.92	3 / 2			
reaction time	0.152	interval				2.00		1.91		1.90		1.96		# of strides			
wind	0.7 m/s	velocity		6.35		10.00		10.47		10.53		10.20	9.16	52.0			

FINAL - 2021 Prefontaine Classic (Eugene, OR)

Omega Timing (2021) - diamond league race analysis

date	21-Aug-21	time		3.2		5.2		7.2		9.1		11.14	11.14	5 / 9			
reaction time	0.155	interval				2.00		2.00		1.90		2.04		# of strides			
wind	0.9 m/s	velocity		6.25		10.00		10.00		10.53		9.80	8.98	51.5			

Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR)

Omega Timing (2021) - diamond league race analysis

date	23-May-21	time		3.0		5.1		7.1		9.2		11.53	11.53	5 / 1			
reaction time	0.174	interval				2.10		2.00		2.10		2.33		# of strides			

wind	-4.2 m/s	velocity	6.67	9.52	10.00	9.52	8.58	8.67	50.5								
Riedl, Julia (GER) (1992)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 German National Junior Championships (Ulm, GER)													Graubner (2010) - http://www.fgs.uni-halle.de				
date	06-Aug-10	time	3.48	4.59	5.66			7.79		9.95		12.14	12.14	/ 5			
reaction time		interval		1.11	1.07			2.13		2.16		2.19		# of strides	4.59	3.20	
wind	0.4 m/s	velocity	5.75	9.01	9.35			9.39		9.26		9.13	8.24		6.54	9.38	
Robinson, Amber (USA) (1980)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)				
date	27-Jun-08	time	2.15	3.27	4.30	5.32	6.29	7.26	8.26	9.30	10.31	11.38	11.38	5 / 5			
reaction time		interval		1.12	1.03	1.02	0.97	0.97	1.00	1.04	1.01	1.07		# of strides	4.30	2.96	3.05
wind	3.5 m/s	velocity	4.65	8.93	9.71	9.80	10.31	10.31	10.00	9.62	9.90	9.35	8.79		6.98	10.14	9.84
Rockmeier, Gabi (GER) (1973)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2001 ISTAF (Berlin, GER)													Graubner (2009) - http://www.fgs.uni-halle.de				
date	31-Aug-01	time	3.29	4.34	5.36			7.38		9.39		11.45	11.45	/ 7 6			
reaction time	0.125	interval		1.05	1.02			2.02		2.01		2.06		# of strides	4.34	3.04	
wind	0.5 m/s	velocity	6.08	9.52	9.80			9.90		9.95		9.71	8.73		6.91	9.87	
FINAL - 2001 German National Championships (Stuttgart, GER)													Graubner (2007) - http://www.fgs.uni-halle.de				
date	30-Jul-01	time	3.21	4.24	5.24			7.18		9.15		11.17	11.17	/ 1			
reaction time	0.139	interval		1.03	1.00			1.94		1.97		2.02	PB	# of strides	4.24	2.94	
wind	0.7 m/s	velocity	6.23	9.71	10.00			10.31		10.15		9.90	8.95		7.08	10.20	
FINAL - 2001 European Cup (Bremen, GER)													Graubner (2007) - http://www.fgs.uni-halle.de				
date	23-Jun-01	time	3.30	4.35	5.37			7.35		9.33		11.38	11.38	/ 4			
reaction time	0.125	interval		1.05	1.02			1.98		1.98		2.05		# of strides	4.35	3.00	
wind	2.8 m/s	velocity	6.06	9.52	9.80			10.10		10.10		9.76	8.79		6.90	10.00	
B FINAL - 2000 ISTAF (Berlin, GER)													Graubner (2009) - http://www.fgs.uni-halle.de				
date	01-Sep-00	time	3.30	4.37	5.40			7.41				11.57	11.57	/ 4			
reaction time	0.159	interval		1.07	1.03			2.01				4.16		# of strides	4.37	3.04	
wind	0.1 m/s	velocity	6.06	9.35	9.71			9.95				9.62	8.64		6.86	9.87	
Rodriguez, Carol (PUR) (1985)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)													USATF Women's Sprint Development (2003)				
date	22-Jun-03	time	2.19	3.32	4.40	5.42	6.44	7.44	8.49	9.51	10.59	11.68	11.68	6 / 3			
reaction time		interval		1.13	1.08	1.02	1.02	1.00	1.05	1.02	1.08	1.09		# of strides	4.40	3.04	3.15
wind	0.7 m/s	velocity	4.57	8.85	9.26	9.80	9.80	10.00	9.52	9.80	9.26	9.17	8.56		6.82	9.87	9.52
Rogers, Tissilli (USA) (1984)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)													USATF Women's Sprint Development (2003)				
date	22-Jun-03	time	2.18	3.34	4.44	5.47	6.51	7.56	8.62		10.87	11.96	11.96	9 / 7			
reaction time		interval		1.16	1.10	1.03	1.04	1.05	1.06		2.25	1.09		# of strides	4.44	3.12	3.31
wind	0.7 m/s	velocity	4.59	8.62	9.09	9.71	9.62	9.52	9.43		8.89	9.17	8.36		6.76	9.62	9.06
Rönningen, Helene (NOR) (1998)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
A FINAL - 2017 Windsprint (Sundsvall, SWE)													(2017) - www.windsprint/Splittider/				
date	30-Jul-17	time		4.45			6.56	7.62		9.77		11.96	11.96	4 / 5			
reaction time		interval					2.11	1.06		2.15		2.19		# of strides	4.45	3.17	
wind	0.3 m/s	velocity		6.74			9.48	9.43		9.30		9.13	8.36		6.74	9.46	
Rosa, Vitoria Cristina (BRA) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 FBK Games (Hengelo, NED)													Omega Timing (2023) - continental tour race analysis				
date	04-Jun-23	time	2.00	3.15	4.18	5.18	6.17	7.14	8.13	9.12	10.13	11.18	11.18	8 / 3			
reaction time		interval		1.15	1.03	1.00	0.99	0.97	0.99	0.99	1.01	1.05		# of strides	4.18	2.96	2.99
wind	-0.1 m/s	velocity	5.00	8.70	9.71	10.00	10.10	10.31	10.10	10.10	9.90	9.52	8.94	49.0	7.18	10.14	10.03
Roseby, Hasani (USA) (1982)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)				
date	27-Jun-08	time	2.08	3.20	4.20	5.21	6.19	7.14	8.11	9.18	10.14	11.19	11.19	8 / 6			
reaction time		interval		1.12	1.00	1.01	0.98	0.95	0.97	1.07	0.96	1.05		# of strides	4.20	2.94	3.00
wind	3.4 m/s	velocity	4.81	8.93	10.00	9.90	10.20	10.53	10.31	9.35	10.42	9.52	8.94		7.14	10.20	10.00
Heat 5 - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)				
date	27-Jun-08	time	2.05	3.18	4.25	5.22	6.20	7.19	8.17	9.20	10.22	11.29	11.29	3 / 4			
reaction time		interval		1.13	1.07	0.97	0.98	0.99	0.98	1.03	1.02	1.07		# of strides	4.25	2.94	3.03
wind	2.2 m/s	velocity	4.88	8.85	9.35	10.31	10.20	10.10	10.20	9.71	9.80	9.35	8.86		7.06	10.20	9.90
Rosius, Rani (BEL) (2000)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Memorial van Damme (Brussels, BEL)													Omega Timing (2023) - diamond league race analysis				

date	08-Sep-23	time	2.10	3.23	4.26	5.26	6.25	7.24	8.24	9.24	10.27	11.31	11.31	7 / 7			
reaction time	0.181	interval		1.13	1.03	1.00	0.99	0.99	1.00	1.00	1.03	1.04		# of strides	4.26	2.98	3.03
wind	0.0 m/s	velocity	4.76	8.85	9.71	10.00	10.10	10.10	10.00	10.00	9.71	9.62	8.84	49.0	7.04	10.07	9.90
FINAL - 2020 Memorial Van Damme (Brussels, BEL)														Omega Timing (2020) - diamond league race analysis			
date	04-Sep-20	time		3.3		5.3		7.3		9.3		11.43	11.43	5 / 1			
reaction time	0.161	interval				2.00		2.00		2.00		2.13		# of strides			
wind	0.2 m/s	velocity		6.06		10.00		10.00		10.00		9.39	8.75	51.2			
Rosolová, Denisa (CZE) (1986)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)														Feher (2012) - Czech Republic indoor national championships - women's 60m			
date	25-Feb-12	time	2.11	3.32	4.37	5.43	6.43	7.46					7.46	3 / 3			
reaction time	0.144	interval		1.21	1.05	1.06	1.00	1.03						# of strides	4.37	3.09	
		velocity	4.74	8.26	9.52	9.43	10.00	9.71					8.04		6.86	9.71	
Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)														Feher (2012) - Czech Republic indoor national championships - women's 60m			
date	25-Feb-12	time	2.12	3.33	4.40	5.46	6.46	7.50					7.50	5 / 2			
reaction time	0.161	interval		1.21	1.07	1.06	1.00	1.04						# of strides	4.40	3.10	
		velocity	4.72	8.26	9.35	9.43	10.00	9.62					8.00		6.82	9.68	
Heat 3 - 2012 Czech Republic National Indoor Championships (Praha, CZE)														Feher (2012) - Czech Republic indoor national championships - women's 60m			
date	25-Feb-12	time	2.16	3.36	4.44	5.50	6.59	7.69					7.69	4 / 1			
reaction time	0.159	interval		1.20	1.08	1.06	1.09	1.10						# of strides	4.44	3.25	
		velocity	4.63	8.33	9.26	9.43	9.17	9.09					7.80		6.76	9.23	
Rubášová, Nikola (CZE) (1998)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE)														Feher (2014) - Final report from the U18 & U20 Czech Republic national championships			
date	28-Jun-14	time		3.67		6.06		8.45		10.89		13.48	13.48	7 / 7			
reaction time	0.216	interval				2.39		2.39		2.44		2.59		# of strides			
wind	-1.7 m/s	velocity		5.45		8.37		8.37		8.20		7.72	7.42				
Rundquist Emilia (SWE) (1988)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2007 Windsprint (Sundsvall, SWE)														(2007) - www.ssg.se/en/Windsprint/Split-times/			
date	24-Jul-07	time			4.65			8.06		10.41		12.87	12.87	/ 3			
reaction time		interval						3.41		2.35		2.46		# of strides	4.65	3.41	
wind	0.9 m/s	velocity			6.45			8.80		8.51		8.13	7.77		6.45	8.80	
Russel, Carrie (JAM) (1990)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
A FINAL - 2013 Windsprint (Sundsvall, SWE)														(2013) - www.ssg.se/windsprint/Splittider/			
date	28-Jul-13	time			4.15			7.04		9.00		11.03	11.03	4 / 1			
reaction time		interval						2.89		1.96		2.03		# of strides	4.15	2.89	
wind	2.2 m/s	velocity			7.23			10.38		10.20		9.85	9.07		7.23	10.38	
FINAL - 2011 Windsprint (Sundsvall, SWE)														(2011) - www.ssg.se/en/Windsprint/Split-times/			
date	31-Jul-11	time			4.12			7.08		9.08		11.20	11.20	5 / 2			
reaction time		interval						2.96		2.00		2.12		# of strides	4.12	2.96	
wind	0.2 m/s	velocity			7.28			10.14		10.00		9.43	8.93		7.28	10.14	
FINAL - 2010 Windsprint (Sundsvall, SWE)														(2010) - www.ssg.se/en/Windsprint/Split-times/			
date	08-Aug-10	time			4.19			7.18		9.14		11.23	11.23	/ 1			
reaction time		interval						2.99		1.96		2.09		# of strides	4.19	2.99	
wind	2.4 m/s	velocity			7.16			10.03		10.20		9.57	8.90		7.16	10.03	
Ryemyen, Mariya (UKR) (1987)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2013 European Indoor Championships (Göteborg, SWE)														Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx			
date	03-Mar-13	time		3.11		5.11		7.10					7.11	5 / 2			
reaction time	0.144	interval				2.00		1.99					=PB	# of strides			
		velocity		6.43		10.00		10.05					8.44	31.7			
Sackey Mesah, Marion (SWE) (1998)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2016 Windsprint (Sundsvall, SWE)														(2016) - www.windsprint/Splittider/			
date	31-Jul-16	time			4.84			8.16				12.69	12.69	5 / 3			
reaction time		interval						3.32				4.53		# of strides	4.84	3.32	
wind	1.3 m/s	velocity			6.20			9.04				8.83	7.88		6.20	9.04	
Heat 2 - 2016 Windsprint (Sundsvall, SWE)														(2016) - www.windsprint/Splittider/			
date	31-Jul-16	time			4.84			8.22				12.82	12.82	5 / 4			
reaction time		interval						3.38				4.60		# of strides	4.84	3.38	
wind	1.8 m/s	velocity			6.20			8.88				8.70	7.80		6.20	8.88	
Šafříková, Petra (CZE) (1998)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE)														Feher (2014) - Final report from the U18 & U20 Czech Republic national championships			

date	28-Jun-14	time	2.18	3.42	4.59	5.72	6.85	8.00	9.14	10.30	11.49	12.69	12.69	3 / 3			
reaction time	0.154	interval		1.24	1.17	1.13	1.13	1.15	1.14	1.16	1.19	1.20		# of strides	4.59	3.41	3.49
wind	-6.4 m/s	velocity	4.59	8.06	8.55	8.85	8.85	8.70	8.77	8.62	8.40	8.33	7.88		6.54	8.80	8.60
Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)																	
date	28-Jun-14	time		3.49		5.75		7.95		10.19		12.46	12.46	5 / 1			
reaction time	0.176	interval				2.26		2.20		2.24		2.27		# of strides			
wind	-1.4 m/s	velocity		5.73		8.85		9.09		8.93		8.81	8.03				
Safronnikova, Natalia (BLR) (1973)																	
FINAL - 2001 European Cup (Bremen, GER)																	
date	23-Jun-01	time		3.34	4.37	5.36		7.29		9.23		11.26	11.26	Graubner (2007) - http://www.fgs.uni-halle.de			
reaction time	0.247	interval			1.03	0.99		1.93		1.94		2.03		# of strides	4.37	2.92	
wind	2.8 m/s	velocity		5.99	9.71	10.10		10.36		10.31		9.85	8.88		6.86	10.27	
FINAL - 1997 European Cup (Munich, GER)																	
date	21-Jun-97	time		2.07		4.29		7.28		9.32		11.41	11.41	Jung (2003) - http://www.fgs.uni-halle.de			
reaction time		interval				2.22		2.99		2.04		2.09		# of strides	4.29	2.99	
wind	0.6 m/s	velocity		4.83		4.66		10.03		9.80		9.57	8.76		6.99	10.03	
Sagi, Mayako (JPN) (2003)																	
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)																	
date	23-Aug-20	time		2.12	3.33	4.44	5.52	6.59	7.65	8.73	9.82	10.94	12.07	Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions			
reaction time	0.194	interval			1.21	1.11	1.08	1.07	1.06	1.08	1.09	1.12	1.13	# of strides	4.44	3.21	3.29
wind	-0.9 m/s	velocity		4.72	8.26	9.01	9.26	9.35	9.43	9.26	9.17	8.93	8.85		6.76	9.35	9.12
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																	
date	04-Oct-19	time				4.47		6.62				12.12	12.12	Enomoto (2019) - research on athlete performance and technique- 2019 data book			
reaction time	0.176	interval						2.15				5.50		# of strides	4.47		
wind	-1.5 m/s	velocity				6.71		3.02				9.09	8.25		52.2	6.71	
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)																	
date	05-Aug-19	time		2.08	3.26	4.35	5.40	6.45	7.49	8.55	9.62	10.71	11.82	Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data			
reaction time		interval			1.18	1.09	1.05	1.05	1.04	1.06	1.07	1.09	1.11	# of strides	4.35	3.14	3.22
wind	-0.1 m/s	velocity		4.81	8.47	9.17	9.52	9.52	9.62	9.43	9.35	9.17	9.01		51.7	6.90	9.32
Sailer, Verena (GER) (1985)																	
FINAL - 2013 European Indoor Championships (Göteborg, SWE)																	
date	03-Mar-13	time		3.13		5.17		7.16					7.16	Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx			
reaction time	0.141	interval				2.04		1.99						# of strides			
		velocity		6.39		9.80		10.05					8.38		31.5		
FINAL - 2010 Sparkassen-Gala (Regensburg, GER)																	
date	05-Jun-10	time		3.26	4.29	5.28		7.26		9.27		11.32	11.32	Graubner (2010) - http://www.fgs.uni-halle.de			
reaction time		interval			1.03	0.99		1.98		2.01		2.05		# of strides	4.29	2.97	
wind	-0.4 m/s	velocity		6.13	9.71	10.10		10.10		9.95		9.76	8.83		6.99	10.10	
Heat 1 - 2010 Sparkassen-Gala (Regensburg, GER)																	
date	05-Jun-10	time		3.21	4.25	5.25		7.24		9.26		11.33	11.33	Graubner (2010) - http://www.fgs.uni-halle.de			
reaction time		interval			1.04	1.00		1.99		2.02		2.07		# of strides	4.25	2.99	
wind	0.0 m/s	velocity		6.23	9.62	10.00		10.05		9.90		9.66	8.83		7.06	10.03	
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)																	
date	17-Aug-09	time		3.16	4.19	5.19		7.19		9.17		11.24	11.24	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships			
reaction time	0.149	interval			1.03	1.00		2.00		1.98		2.07		# of strides	4.19	3.00	
wind	-0.1 m/s	velocity		6.33	9.71	10.00		10.00		10.10		9.66	8.90		7.16	10.00	
Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)																	
date	16-Aug-09	time		3.13	4.17	5.17		7.17		9.16		11.26	11.26	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships			
reaction time	0.135	interval			1.04	1.00		2.00		1.99		2.10		# of strides	4.17	3.00	
wind	0.1 m/s	velocity		6.39	9.62	10.00		10.00		10.05		9.52	8.88		51.2	7.19	10.00
Heat 4 - 2009 IAAF World Championships (Berlin, GER)																	
date	16-Aug-09	time		3.17	4.21	5.21		7.22		9.21		11.29	11.29	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships			
reaction time	0.153	interval			1.04	1.00		2.01		1.99		2.08		# of strides	4.21	3.01	
wind	0.0 m/s	velocity		6.31	9.62	10.00		9.95		10.05		9.62	8.86		7.13	9.97	
FINAL - 2009 ISTAF (Berlin, GER)																	
date	14-Jun-09	time		3.19	4.23	5.24		7.24		9.31		11.41	11.41	Graubner (2009) - http://www.fgs.uni-halle.de			
reaction time	0.171	interval			1.04	1.01		2.00		2.07		2.10		# of strides	4.23	3.01	
wind	0.1 m/s	velocity		6.27	9.62	9.90		10.00		9.66		9.52	8.76		7.09	9.97	

FINAL - 2008 German National Championships (Nurnberg, GER)													Seeger (2010) - DLV B-Trainer Ausbildung - sprint				
date	05-Jul-08	time	3.17	4.21	5.21	7.21	9.22	11.28	11.28	/ 1							
reaction time		interval		1.04	1.00	2.00	2.01	2.06		# of strides		4.21	3.00				
wind	-0.8 m/s	velocity	6.31	9.62	10.00	10.00	9.95	9.71	8.87			7.13	10.00				
Saito, Ami (JPN) (1999)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)													Enomoto (2019) - research on athlete performance and technique- 2019 data book				
date	05-Oct-19	time	4.31	6.38	11.64	11.64	6 / 2										
reaction time	0.145	interval	2.07	5.26	# of strides		4.31										
wind	1.1 m/s	velocity	6.96	3.13	9.51	8.59	53.5	6.96									
FINAL - 2018 National Sports Festival (Fukui, JPN)																	
Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan																	
date	06-Oct-18	time	2.11	3.38	4.55	5.68	6.79	7.90	9.01	10.13	11.26	12.40	12.40	8 / 6			
reaction time	0.160	interval	1.27	1.17	1.13	1.11	1.11	1.11	1.12	1.13	1.14	# of strides		4.55	3.35	3.36	
wind	-2.8 m/s	velocity	4.74	7.87	8.55	8.85	9.01	9.01	9.01	8.93	8.85	8.77	8.06	56.8	6.59	8.96	8.93
U19 FINAL - 2016 National Sports Festival (Kitakami, JPN)																	
Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters																	
date	08-Aug-16	time	2.05	3.21	4.29	5.33	6.35	7.36	8.39	9.43	10.49	11.57	11.57	7 / 1			
reaction time	0.122	interval	1.16	1.08	1.04	1.02	1.01	1.03	1.04	1.06	1.08	PB	# of strides		4.29	3.07	3.13
wind	0.5 m/s	velocity	4.88	8.62	9.26	9.62	9.80	9.90	9.71	9.62	9.43	9.26	8.64	54.2	6.99	9.77	9.58
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)																	
Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data																	
date	30-Jul-16	time	3.16	4.33	5.39	6.43	7.47	8.52	9.59	11.78	11.78	/ 1					
reaction time	0.133	interval	1.17	1.06	1.04	1.04	1.05	1.07	2.19	# of strides		4.33	3.14				
wind	1.6 m/s	velocity	6.33	8.55	9.43	9.62	9.62	9.52	9.35	9.13	8.49			6.93	9.55		
FINAL - 2016 Japanese National Championships (Nagoya, JPN)																	
Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters																	
date	25-Jun-16	time	2.15	3.34	4.40	5.45	6.47	7.50	8.54	9.59	10.66	11.74	11.74	3 / 2			
reaction time	0.161	interval	1.19	1.06	1.05	1.02	1.03	1.04	1.05	1.07	1.08	# of strides		4.40	3.10	3.16	
wind	-0.2 m/s	velocity	4.65	8.40	9.43	9.52	9.80	9.71	9.62	9.52	9.35	9.26	8.52	55.4	6.82	9.68	9.49
Sakai, Hinami (JPN) (2004)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)													Enomoto (2019) - research on athlete performance and technique- 2019 data book				
date	04-Oct-19	time	4.45	6.64	12.22	12.22	4 / 3										
reaction time	0.153	interval	2.19	5.58	# of strides		4.45										
wind	-1.8 m/s	velocity	6.74	3.01	8.96	8.18	51.7	6.74									
Sakamoto, Minami (JPN) (2006)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)													Shibayama (2021) - national high school and U20 national championships				
date	29-Jul-21	time	2.04	3.24	4.33	5.39	6.44	7.49	8.56	9.63	10.72	11.83	11.83	8 / 5			
reaction time	0.147	interval	1.20	1.09	1.06	1.05	1.05	1.07	1.07	1.09	1.11	PB	# of strides		4.33	3.16	3.23
wind	-0.2 m/s	velocity	4.90	8.33	9.17	9.43	9.52	9.52	9.35	9.35	9.17	9.01	8.45	52.2	6.93	9.49	9.29
Sakimura, Wakana (JPN) (2005)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)													Kishima (2022) - national high school championships biomechanics data collection				
date	04-Aug-22	time	2.10	3.28	4.37	5.42	6.47	7.52	8.60	9.70	10.83	11.98	11.98	7 / 3			
reaction time	0.172	interval	1.18	1.09	1.05	1.05	1.05	1.08	1.10	1.13	1.15	# of strides		4.37	3.15	3.31	
wind	-0.6 m/s	velocity	4.76	8.47	9.17	9.52	9.52	9.52	9.26	9.09	8.85	8.70	8.35	54.2	6.86	9.52	9.06
Saku, Kageyama (JPN) (2002)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
U20 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)													Enomoto (2019) - research on athlete performance and technique- 2019 data book				
date	04-Oct-19	time	4.35	6.53	12.01	12.01	4 / 2										
reaction time	0.155	interval	2.18	5.48	# of strides		4.35										
wind	-1.5 m/s	velocity	6.90	3.06	9.12	8.33	55.0	6.90									
Salahub, Natalia (BLR) (1975)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2001 European Cup (Bremen, GER)													Graubner (2007) - http://www.fgs.uni-halle.de				
date	23-Jun-01	time	3.29	4.36	5.40	7.46	9.58	11.75	11.75	/ 4							
reaction time	0.147	interval	1.07	1.04	2.06	2.12	2.17	# of strides		4.36	3.10						
wind	-0.2 m/s	velocity	6.08	9.35	9.62	9.71	9.43	9.22	8.51			6.88	9.68				
Samuel, Jamile (NED) (1992)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - Heat 2 - 2022 Athletissima (Lausanne, SUI)													Omega Timing (2022) - diamond league race analysis				
date	26-Aug-22	time	3.2	5.3	7.4	9.4	11.56	11.56	6 / 1								
reaction time	0.172	interval	2.10	2.10	2.00	2.16	# of strides										
wind	-2.7 m/s	velocity	6.25	9.52	9.52	10.00	9.26	8.65									
Samuelsson, Jessica (SWE) (1985)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m													Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2016 Windsprint (Sundsvall, SWE)													(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time	4.58	7.85	12.36	12.36	3 / 1										
reaction time		interval	3.27	4.51	PB	# of strides		4.58	3.27								
wind	1.8 m/s	velocity	6.55	9.17	8.87	8.09			6.55	9.17							

Sasaki, Azusa (JPN) (1998)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)	<i>Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data</i>														
date	30-Jul-16	time	3.19	4.37	5.44	6.51	7.60	8.68	9.77	12.03	12.03	/ 3			
reaction time	0.141	interval		1.18	1.07	1.07	1.09	1.08	1.09	2.26		# of strides	4.37	3.23	
wind	1.6 m/s	velocity	6.27	8.47	9.35	9.35	9.17	9.26	9.17	8.85	8.31		6.86	9.29	

Sato, Hinako (JPN) (1996)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 2 - 2017 National Sports Festival (Matsuyama, JPN)			<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>														
date	07-Oct-17	time	2.07	3.25	4.33	5.39	6.44	7.49	8.54	9.61	10.69	11.79	11.79	/ 3			
reaction time	0.170	interval		1.18	1.08	1.06	1.05	1.05	1.05	1.07	1.08	1.10	PB	# of strides	4.33	3.16	3.20
wind	0.5 m/s	velocity	4.83	8.47	9.26	9.43	9.52	9.52	9.52	9.35	9.26	9.09	8.48	54.1	6.93	9.49	9.38
FINAL - 2014 Japanese National High School Championships (Kofu, JPN)			<i>Yanagiya (2014) - research on athlete performance and technique- 2014 data book</i>														
date	31-Jul-14	time	2.06	3.27	4.39	5.48	6.55	7.64	8.73	9.83	10.94	12.07	12.07	/ 2			
reaction time		interval		1.21	1.12	1.09	1.07	1.09	1.09	1.10	1.11	1.13		# of strides	4.39	3.25	3.30
wind	-2.4 m/s	velocity	4.85	8.26	8.93	9.17	9.35	9.17	9.17	9.09	9.01	8.85	8.29		6.83	9.23	9.09

Sato, Misato (JPN) (2003)

Date, Misato (JPN) (2003)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)												Shibayama (2021) - national high school and U20 national championships					
date	29-Jul-21	time	2.10	3.29	4.37	5.42	6.46	7.50	8.55	9.62	10.71	11.81	11.81	4 / 4			
reaction time	0.135	interval		1.19	1.08	1.05	1.04	1.04	1.05	1.07	1.09	1.10		# of strides	4.37	3.13	3.21
wind	-0.2 m/s	velocity	4.76	8.40	9.26	9.52	9.62	9.62	9.52	9.35	9.17	9.09	8.47	53.0	6.86	9.58	9.35

Sato, Serika (JPN) (2000)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)	<i>Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data</i>														
date	30-Jul-17	time		4.40		7.69			11.09	12.28	12.28	7 / 4			
reaction time	0.205	interval				3.29			3.40	1.19		# of strides	4.40	3.29	3.40
wind	-3.0 m/s	velocity		6.82		9.12			8.82	8.40	8.14		6.82	9.12	8.82
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)	<i>Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data</i>														
date	30-Jul-16	time	3.19	4.38	5.47	6.56	7.67	8.76	9.87	12.17	12.17	/ 4			
reaction time	0.162	interval		1.19	1.09	1.09	1.11	1.09	1.11	2.30		# of strides	4.38	3.29	
wind	1.6 m/s	velocity	6.27	8.40	9.17	9.17	9.01	9.17	9.01	8.70	8.22		6.85	9.12	

Satou, Aoi (JPN) (2004)

Atou, Aoi (JPN) (2004)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2022 Japanese National High School Championships (Naruto, JPN)													Kishima (2022) - national high school championships biomechanics data collection				
date	04-Aug-22	time	2.12	3.33	4.43	5.50	6.56	7.63	8.71	9.81	10.94	12.08	12.08	8 / 5			
reaction time	0.162	interval		1.21	1.10	1.07	1.06	1.07	1.08	1.10	1.13	1.14		# of strides	4.43	3.20	3.31
wind	-0.6 m/s	velocity	4.72	8.26	9.09	9.35	9.43	9.35	9.26	9.09	8.85	8.77	8.28	51.7	6.77	9.38	9.06
FINAL - 2021 Japanese High School National Championships (Fukui, JPN)													Shibayama (2021) - national high school and U20 national championships				
date	29-Jul-21	time	2.18	3.38	4.46	5.51	6.55	7.59	8.64	9.71	10.80	11.91	11.91	1 / 7			
reaction time	0.205	interval		1.20	1.08	1.05	1.04	1.04	1.05	1.07	1.09	1.11		# of strides	4.46	3.13	3.21
wind	-0.2 m/s	velocity	4.59	8.33	9.26	9.52	9.62	9.62	9.52	9.35	9.17	9.01	8.40	51.0	6.73	9.58	9.35

Sawatani, Yuzuka (JPN) (1999)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2016 Japanese National High School Championships (Okayama, JPN)	<i>Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data</i>														
date	30-Jul-16	time	3.28	4.49	5.60	6.69	7.78	8.90	10.04	12.39	12.39	/ 8			
reaction time		interval		1.21	1.11	1.09	1.09	1.12	1.14	2.35		# of strides	4.49	3.29	
wind	1.6 m/s	velocity	6.10	8.26	9.01	9.17	9.17	8.93	8.77	8.51	8.07		6.68	9.12	

Schielke, Sina (GER) (1981)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 1 - 2002 European Championships (Munich, GER)	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	07-Aug-02	time	3.23	4.28	5.30	7.30		9.35		11.48	11.48	/ 6			
reaction time	0.149	interval		1.05	1.02	2.00		2.05		2.13		# of strides	4.28	3.02	
wind	0.0 m/s	velocity	6.19	9.52	9.80	10.00		9.76		9.39	8.71		7.01	9.93	
Heat 2 - 2002 European Championships (Munich, GER)	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	06-Aug-02	time	3.22	4.28	5.30	7.32		9.38		11.53	11.53	/ 3			
reaction time	0.140	interval		1.06	1.02	2.02		2.06		2.15		# of strides	4.28	3.04	
wind	0.7 m/s	velocity	6.21	9.43	9.80	9.90		9.71		9.30	8.67		7.01	9.87	

Schippers, Dafne (NED) (1992)

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2022 FBK Games (Hengelo, NED)	<i>Omega Timing (2022) - continental tour race analysis</i>														
date	06-Jun-22	time	3.2		5.2	7.2		9.2		11.40	11.40	5 / 5			
reaction time	0.130	interval			2.00	2.00		2.00		2.20		# of strides			
wind	0.8 m/s	velocity	6.25		10.00	10.00		10.00		9.09	8.77		49.0		
FINAL - 2019 Memorial van Damme (Brussels, BEL)	<i>Omega Timing (2019) - diamond league race analysis</i>														
date	06-Sep-19	time	3.3		5.3	7.2		9.2		11.22	11.22	3 / 4			
reaction time	0.155	interval			2.0	1.9		2.0		2.02		# of strides			
wind	-0.3 m/s	velocity	6.06		10.00	10.53		10.00		9.90	8.91		48.0		

FINAL - 2019 Meeting de Paris (Paris, FRA)

date	24-Aug-19	time	6.3	11.15	11.15	6 / 3
reaction time	0.160	interval		4.85		# of strides
wind	-0.2 m/s	velocity	7.94	10.31	8.97	48.0

Omega Timing (2019) - diamond league race analysis

FINAL - 2017 IAAF World Championships (London, GBR)

date	06-Aug-17	time	2.07	3.23	4.25	5.20	6.14	7.07	8.01	8.98	9.96	10.96	10.96	9 / 3
reaction time	0.155	interval		1.16	1.02	0.95	0.94	0.93	0.94	0.97	0.98	1.00		# of strides
wind	-0.1 m/s	velocity	4.83	8.62	9.80	10.53	10.64	10.75	10.64	10.31	10.20	10.00	9.12	47.4

Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m

FINAL - 2013 European Indoor Championships (Göteborg, SWE)

date	03-Mar-13	time	3.17	5.18	7.14	7.14	2 / 5
reaction time	0.150	interval		2.01	1.96	PB	# of strides
wind		velocity	6.31	9.95	10.20	8.40	27.0

Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx

Schmidt, Annika (GER) (1983)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 German National Junior Championships (Ulm, GER)														
date	06-Aug-10	time	3.54	4.67	5.77	7.92	10.13	12.39	12.39	12.39	8 / 8			
reaction time		interval		1.13	1.10	2.15	2.21	2.26			# of strides	4.67	3.25	
wind	0.4 m/s	velocity	5.65	8.85	9.09	9.30	9.05	8.85	8.07			6.42	9.23	

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

Schneider, Romy (GDR) (1958)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1976 East German Olympic Qualifier (Karl-Marx-Stadt, GDR)														
date	29-May-76	time	4.26			7.22	9.19	11.22	11.22	11.22	1 / 5			
reaction time		interval				2.96	1.97	2.03	PB		# of strides	4.26	2.96	
wind	1.3 m/s	velocity	7.04			10.14	10.15	9.85	8.91			7.04	10.14	

Heß (1978) - geschwindigkeitsdynamik von sprintern 100m-lauf beir wettkampflaufen olympiazyklus 73/76

Schussler, Susanne (SWE) (1995)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
C FINAL - 2011 Windsprint (Sundsvall, SWE)														
date	31-Jul-11	time	4.57			7.94	10.25	12.70	12.70	12.70	7 / 5			
reaction time		interval				3.37	2.31	2.45			# of strides	4.57	3.37	
wind	1.2 m/s	velocity	6.56			8.90	8.66	8.16	7.87			6.56	8.90	

(2011) - www.ssg.se/en/Windsprint/Split-times/

Sedláčková, Simona (CZE) (1997)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2014 Czech Republic National U18 Championships (Trinec, CZE)														
date	28-Jun-14	time	3.50	5.93	8.33	10.80	13.37	13.37	13.37	13.37	8 / 7			
reaction time	0.160	interval		2.43	2.40	2.47	2.57				# of strides			
wind	-4.3 m/s	velocity	5.71	8.23	8.33	8.10	7.78	7.48						

Feher (2014) - Final report from the U18 & U20 Czech Republic national championships

Sedney, Naomi (NED) (1994)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - Heat 2 - 2022 Athletissima (Lausanne, SUI)														
date	26-Aug-22	time	3.3	5.4	7.4	9.6	11.82	11.82	11.82	11.82	3 / 4			
reaction time	0.179	interval		2.10	2.00	2.20	2.22				# of strides			
wind	-2.7 m/s	velocity	6.06	9.52	10.00	9.09	9.01	8.46						

Omega Timing (2022) - diamond league race analysis

B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI)

date	26-Aug-21	time	3.3	5.4	7.4	9.4	11.47	11.47	11.47	6 / 4
reaction time	0.173	interval		2.10	2.00	2.00	2.07			# of strides
wind	2.7 m/s	velocity	6.06	9.52	10.00	10.00	9.66	8.72		

Omega Timing (2021) - diamond league race analysis

National FINAL - 2021 Bauhaus Galan (Stockholm, SWE)

date	04-Jul-21	time	3.3	5.3	7.3	9.4	11.44	11.44	11.44	7 / 4
reaction time	0.165	interval		2.00	2.00	2.10	2.04			# of strides
wind	-1.3 m/s	velocity	6.06	10.00	10.00	9.52	9.80	8.74	51.0	

Omega Timing (2021) - diamond league race analysis

FINAL - 2019 The Match - Europe v USA (Minsk, BLR)

date	09-Sep-19	time	6.70	11.77	11.77	9 / 7
reaction time	0.215	interval		5.07		# of strides
wind	-0.8 m/s	velocity	7.46	9.86	8.50	52.2

European Athletics (2019) - race analysis

Sedney, Zoë (NED) (2001)

10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - Heat 1 - 2022 Athletissima (Lausanne, SUI)														
date	26-Aug-22	time	3.2	5.2	7.2	9.3	11.43	11.43	11.43	11.43	7 / 2			
reaction time	0.164	interval		2.00	2.00	2.10	2.13				# of strides			
wind	-0.3 m/s	velocity	6.25	10.00	10.00	9.52	9.39	8.75						

Omega Timing (2022) - diamond league race analysis

Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR)

date	23-May-21	time	3.0	5.2	7.4	9.7	12.21	12.21	12.21	8 / 7
reaction time	0.177	interval		2.20	2.20	2.26	2.55			# of strides
wind	-4.2 m/s	velocity	6.67	9.09	9.09	8.85	7.84	8.19	52.0	

Omega Timing (2021) - diamond league race analysis

Seedo, N'Ketia (NED) (2003)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
National FINAL - 2023 Weltklasse (Zürich, SUI)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	31-Aug-23	time	2.03	3.19	4.23	5.24	6.24	7.25	8.26	9.29	10.34	11.42	11.42	5 / 4			
reaction time	0.161	interval		1.16	1.04	1.01	1.00	1.01	1.01	1.03	1.05	1.08		# of strides	4.23	3.02	3.09
wind	-0.1 m/s	velocity	4.93	8.62	9.62	9.90	10.00	9.90	9.90	9.71	9.52	9.26	8.76		7.09	9.93	9.71

FINAL - 2023 FBK Games (Hengelo, NED)

													<i>Omega Timing (2023) - continental tour race analysis</i>				
date	04-Jun-23	time	2.02	3.16	4.19	5.19	6.17	7.14	8.13	9.13	10.15	11.22	11.22	6 / 5			
reaction time		interval		1.14	1.03	1.00	0.98	0.97	0.99	1.00	1.02	1.07		# of strides	4.19	2.95	3.01
wind	-0.1 m/s	velocity	4.95	8.77	9.71	10.00	10.20	10.31	10.10	10.00	9.80	9.35	8.91	52.0	7.16	10.17	9.97

FINAL - 2022 Athletissima (Lausanne, SUI)

													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time		3.18		5.25		7.25		9.29		11.41	11.41	8 / 7			
reaction time	0.181	interval				2.07		2.00		2.04		2.12		# of strides			
wind	0.0 m/s	velocity		6.29		9.66		10.00		9.80		9.43	8.76	52.2			

B FINAL - Heat 1 - 2022 Athletissima (Lausanne, SUI)

													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time		3.1		5.2		7.1		9.1		11.28	11.28	4 / 1			
reaction time	0.151	interval				2.10		1.90		2.00		2.18		# of strides			
wind	-0.3 m/s	velocity		6.45		9.52		10.53		10.00		9.17	8.87				

FINAL - 2022 FBK Games (Hengelo, NED)

													<i>Omega Timing (2022) - continental tour race analysis</i>				
date	06-Jun-22	time		3.2		5.2		7.2		9.3		11.48	11.48	1 / 6			
reaction time	0.145	interval				2.00		2.00		2.10		2.18		# of strides			
wind	0.8 m/s	velocity		6.25		10.00		10.00		9.52		9.17	8.71	53.5			

Seidlová, Klára (CZE) (1994)

FINAL - 2013 Czech Republic National Championships (Tábor, CZE)													<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>				
date	15-Jun-13	time	2.19	3.30	4.38	5.40	6.44	7.48	8.54	9.62	10.73	11.85	11.85	7 / 5			
reaction time	0.150	interval		1.11	1.08	1.02	1.04	1.04	1.06	1.08	1.11	1.12		# of strides	4.38	3.10	3.25
wind	-0.2 m/s	velocity	4.57	9.01	9.26	9.80	9.62	9.62	9.43	9.26	9.01	8.93	8.44		6.85	9.68	9.23

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

													<i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>				
date	15-Jun-13	time		3.28		5.41		7.50		9.66		11.93	11.93	5 / 2			
reaction time	0.133	interval				2.13		2.09		2.16		2.27		# of strides			
wind	-1.1 m/s	velocity		6.10		9.39		9.57		9.26		8.81	8.38				

Sejkorová, Michaela (CZE) (1997)

FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE)													<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>				
date	28-Jun-14	time	2.32	3.58	4.75	5.90	7.05	8.23	9.40	10.61	11.82	13.06	13.06	8 / 7			
reaction time	0.211	interval		1.26	1.17	1.15	1.15	1.18	1.17	1.21	1.21	1.24		# of strides	4.75	3.48	3.59
wind	-6.4 m/s	velocity	4.31	7.94	8.55	8.70	8.70	8.47	8.55	8.26	8.26	8.06	7.66		6.32	8.62	8.36

Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE)

													<i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>				
date	28-Jun-14	time		3.50		5.78		8.03		10.34		12.75	12.75	5 / 2			
reaction time	0.161	interval				2.28		2.25		2.31		2.41		# of strides			
wind	-1.7 m/s	velocity		5.71		8.77		8.89		8.66		8.30	7.84				

Seko, Nodoka (JPN) (1991)

FINAL - 2019 Fuse Sprint (Tottori, JPN)													<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	02-Jun-19	time	2.04	3.24	4.33	5.39	6.44	7.49	8.55	9.64	10.75	11.90	11.90	6 / 6			
reaction time	0.137	interval		1.20	1.09	1.06	1.05	1.05	1.06	1.09	1.11	1.15		# of strides	4.33	3.16	3.26
wind	-2.2 m/s	velocity	4.90	8.33	9.17	9.43	9.52	9.52	9.43	9.17	9.01	8.70	8.40	54.6	6.93	9.49	9.20

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

													<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	19-May-19	time	2.03	3.23	4.34	5.41	6.47	7.54	8.62	9.72	10.83	11.98	11.98	6 / 7			
reaction time	0.151	interval		1.20	1.11	1.07	1.06	1.07	1.08	1.10	1.11	1.15		# of strides	4.34	3.20	3.29
wind	-2.2 m/s	velocity	4.93	8.33	9.01	9.35	9.43	9.35	9.26	9.09	9.01	8.70	8.35	54.7	6.91	9.38	9.12

FINAL - 2019 Mikio Oda Memorial (Hiroshima, JPN)

													<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	28-Apr-19	time	2.08	3.27	4.36	5.42	6.47	7.51	8.57	9.63	10.72	11.83	11.83	1 / 6			
reaction time		interval		1.19	1.09	1.06	1.05	1.04	1.06	1.06	1.09	1.11		# of strides	4.36	3.15	3.21
wind	1.9 m/s	velocity	4.81	8.40	9.17	9.43	9.52	9.62	9.43	9.43	9.17	9.01	8.45	54.5	6.88	9.52	9.35

FINAL - 2018 National Sports Festival (Fukui, JPN)

													<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	06-Oct-18	time	2.01	3.26	4.41	5.52	6.62	7.72	8.82	9.94	11.07	12.21	12.21	3 / 1			
reaction time	0.113	interval		1.25	1.15	1.11	1.10	1.10	1.10	1.12	1.13	1.14		# of strides	4.41	3.31	3.35
wind	-2.8 m/s	velocity	4.98	8.00	8.70	9.01	9.09	9.09	9.09	8.93	8.85	8.77	8.19	56.1	6.80	9.06	8.96

FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)

													<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>				
date	23-Sep-18	time	1.98	3.15	4.23	5.28	6.32	7.36	8.41	9.47	10.56	11.66	11.66	4 / 1			
reaction time	0.112	interval		1.17	1.08	1.05	1.04	1.04	1.05	1.06	1.09	1.10		# of strides	4.23	3.13	3.20

FINAL - 2018 Fuse Sprint (Tottori, JPN)							Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan										
date	03-Jun-18	time	1.99	3.16	4.22	5.25	6.27	7.28	8.31	9.35	10.41	11.50	11.50	5 / 4			
reaction time		interval		1.17	1.06	1.03	1.02	1.01	1.03	1.04	1.06	1.09		# of strides	4.22	3.06	3.13
wind	1.8 m/s	velocity	5.03	8.55	9.43	9.71	9.80	9.90	9.71	9.62	9.43	9.17	8.70	58.0	7.11	9.80	9.58

FINAL - 2017 Fuse Sprint (Fuse, JPN)										Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season									
date	04-Jun-17	time	2.05	3.23	4.32	5.37	6.40	7.43	8.47	9.52	10.59	11.68	11.68	/ 2					
reaction time		interval		1.18	1.09	1.05	1.03	1.03	1.04	1.05	1.07	1.09		# of strides	4.32	3.11	3.16		
wind	2.1 m/s	velocity	4.88	8.47	9.17	9.52	9.71	9.71	9.62	9.52	9.35	9.17	8.56	54.9	6.94	9.65	9.49		

FINAL - 2016 Fuse Sprint (Tottori, JPN)									Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters								
date	05-Jun-16	time	2.02	3.18	4.24	5.28	6.31	7.33	8.37	9.42	10.48	11.57	11.57	/ 1			
reaction time		interval		1.16	1.06	1.04	1.03	1.02	1.04	1.05	1.06	1.09	PB	# of strides	4.24	3.09	3.15
wind	0.7 m/s	velocity	4.95	8.62	9.43	9.62	9.71	9.80	9.62	9.52	9.43	9.17	8.64	54.3	7.08	9.71	9.52

Semi-Final 1 - 2015 Japanese National Championships (Niigata, JPN)											Matsuo (2015) - 2015 men's & women's 100m race analysis						
date	28-Jun-15	time	2.03	3.17	4.26	5.31	6.35	7.39	8.46	9.56	10.67	11.80	11.80	5 / 2			
reaction time	0.162	interval		1.14	1.09	1.05	1.04	1.04	1.07	1.10	1.11	1.13		# of strides	4.26	3.13	3.28
wind	1.9 m/s	velocity	4.93	8.77	9.17	9.52	9.62	9.62	9.35	9.09	9.01	8.85	8.47	55.7	7.04	9.58	9.15

FINAL - 2009 Japanese National High School Championships (Nara, JPN)						Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics							
date	30-Jul-09	time	4.27	5.30	6.33	7.37	8.45	9.48	11.68	11.68	4 / 1		
reaction time		interval		1.03	1.03	1.04	1.08	1.03	2.20		# of strides	4.27	3.10
wind	1.6 m/s	velocity	7.03	9.71	9.71	9.62	9.26	9.71	9.09	8.56		7.03	9.68

FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)														Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics data						
date	30-Jul-08	time	2.13	3.31	4.39	5.44	6.48	7.54	8.60	9.68	10.78	11.92	11.92	/ 2						
reaction time		interval		1.18	1.08	1.05	1.04	1.06	1.06	1.08	1.10	1.14		# of strides	4.39	3.15	3.24			
wind	0.4 m/s	velocity	9.39	8.47	9.26	9.52	9.62	9.43	9.43	9.26	9.09	8.77	8.39		6.83	9.52	9.26			

Sevilla, Paula (ESP) (1997)		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)													European Athletics (2019) - race analysis			
date	09-Sep-19	time				6.58					11.82	11.82	3 / 8			
reaction time	0.196	interval									5.24		# of strides			
wind	-0.8 m/s	velocity				7.60					9.54	8.46	53.5			

Seyni, Aminatou (NIG) (1996)	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2022 Memorial van Damme (Brussels, BEL)											Omega Timing (2022) - diamond league race analysis					
date	02-Sep-22	time	3.24	5.26	7.19	9.14	11.15	11.15	1 / 7							

reaction time	0.196	interval			2.02	1.93	1.95	2.01		# of strides							
wind	0.6 m/s	velocity	6.17		9.90	10.36	10.26	9.95	8.97	47.7							
Shibayama, Sayaka (JPN) (1997)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN) <i>Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics data</i>																	
date	30-Jul-15	time	4.33								11.89	/ 2					
reaction time		interval		1.07	1.04	1.08	1.06	1.08	1.09	1.14		# of strides	4.33	3.19	3.23		
wind	-1.2 m/s	velocity	6.93	9.35	9.62	9.26	9.43	9.26	9.17	8.77	8.41		6.93	9.40	9.29		
Shigenaga, Noriko (JPN) (1995)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2013 Japanese National High School Championships (Oita, JPN) <i>Matsuo (2013) - 66th high school championships: JAF scientific committee- biomechanics data</i>																	
date	31-Jul-13	time	2.11	3.31	4.40	5.46	6.52	7.59	8.67	9.77	10.90	12.04	/ 6				
reaction time		interval	1.20	1.09	1.06	1.06	1.07	1.08	1.10	1.13	1.14		# of strides	4.40	3.19	3.31	
wind	-0.5 m/s	velocity	4.74	8.33	9.17	9.43	9.43	9.35	9.26	9.09	8.85	8.77	8.31	6.82	9.40	9.06	
Shimada, Sae (JPN) (1994)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2018 Fuse Sprint (Tottori, JPN) <i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>																	
date	03-Jun-18	time	2.02	3.20	4.29	5.34	6.39	7.45	8.51	9.59	10.69	11.81	9 / 8				
reaction time		interval	1.18	1.09	1.05	1.05	1.06	1.06	1.08	1.10	1.12		# of strides	4.29	3.16	3.24	
wind	1.8 m/s	velocity	4.95	8.47	9.17	9.52	9.52	9.43	9.43	9.26	9.09	8.93	8.47	52.4	6.99	9.49	9.26
Heat 2 - 2017 Japanese National Championships (Osaka, JPN) <i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>																	
date	23-Jun-17	time	2.02	3.19	4.27	5.32	6.38	7.44	8.51	9.60	10.71	11.83	11.83	/ 3			
reaction time	0.103	interval		1.17	1.08	1.05	1.06	1.06	1.07	1.09	1.11	1.12	=PB	# of strides	4.27	3.17	3.27
wind	-0.1 m/s	velocity	4.95	8.55	9.26	9.52	9.43	9.43	9.35	9.17	9.01	8.93	8.45	53.1	7.03	9.46	9.17
FINAL - 2012 Japanese National High School Championships (Niigata, JPN) <i>Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics</i>																	
date	30-Jul-12	time				6.54	7.62	8.71	9.83	10.99	12.18	12.18	2 / 8				
reaction time		interval					1.08	1.09	1.12	1.16	1.19		# of strides			3.37	
wind	-0.3 m/s	velocity				7.65	9.26	9.17	8.93	8.62	8.40	8.21				8.90	
FINAL - 2011 Japanese National High School Championships (Kitakami, JPN) <i>Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics</i>																	
date	04-Aug-11	time				6.54	7.63	8.72	9.82	10.97	12.15	12.15	3 / 5				
reaction time		interval					1.09	1.09	1.10	1.15	1.18		# of strides			3.34	
wind	-1.0 m/s	velocity				7.65	9.17	9.17	9.09	8.70	8.47	8.23				8.98	
Shimada, Yukina (JPN) (1998)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
Heat 7 - 2017 Fuse Sprint (Fuse, JPN) <i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>																	
date	04-Jun-17	time	2.10	3.26	4.31	5.34	6.37	7.42	8.49	9.59	10.71	11.84	11.84	/ 6			
reaction time		interval		1.16	1.05	1.03	1.03	1.05	1.07	1.10	1.12	1.13		# of strides	4.31	3.11	3.29
wind	1.1 m/s	velocity	4.76	8.62	9.52	9.71	9.71	9.52	9.35	9.09	8.93	8.85	8.45	48.8	6.96	9.65	9.12
Shimizu, Megumi (JPN) (1987)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
Semi-Final 1 - 2012 Kokutai National Sport Festival (Gifu, JPN) <i>Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013</i>																	
date	06-Oct-12	time	2.02	3.17	4.25	5.31	6.36	7.41	8.48	9.57	10.68	11.83	11.83	4 / 2			
reaction time		interval		1.15	1.08	1.06	1.05	1.05	1.07	1.09	1.11	1.15		# of strides	4.25	3.16	3.27
wind	0.6 m/s	velocity	4.95	8.70	9.26	9.43	9.52	9.52	9.35	9.17	9.01	8.70	8.45	49.2	7.06	9.49	9.17
Heat 1 - 2011 Japanese National Championships (Kumagaya, JPN) <i>Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride</i>																	
date	10-Jun-11	time	2.03	3.20	4.28	5.33	6.37	7.40	8.46	9.54	10.64	11.75	11.75	/ 1			
reaction time		interval		1.17	1.08	1.05	1.04	1.03	1.06	1.08	1.10	1.11		# of strides	4.28	3.12	3.24
wind	0.3 m/s	velocity	4.93	8.55	9.26	9.52	9.62	9.71	9.43	9.26	9.09	9.01	8.51	49.3	7.01	9.62	9.26
Shinai, Kanetaka (JPN) (2003)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN) <i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>																	
date	04-Oct-19	time		4.55		6.80					12.44	12.44	6 / 6				
reaction time	0.185	interval			2.25						5.64		# of strides	4.55			
wind	-1.8 m/s	velocity		6.59	2.94						8.87	8.04	49.0	6.59			
Sidibé, Odiah (FRA) (1970)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																	
date	07-Aug-02	time	3.28	4.35	5.38		7.41	9.47		11.57	11.57	/ 7					
reaction time	0.162	interval		1.07	1.03		2.03	2.06		2.10		# of strides	4.35	3.06			
wind	-0.7 m/s	velocity	6.10	9.35	9.71		9.85	9.71		9.52	8.64		6.90	9.80			
Semi-Final 2 - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																	
date	07-Aug-02	time	3.25	4.30	5.31		7.32	9.34		11.42	11.42	/ 4					
reaction time	0.181	interval		1.05	1.01		2.01	2.02		2.08		# of strides	4.30	3.02			
wind	0.3 m/s	velocity	6.15	9.52	9.90		9.95	9.90		9.62	8.76		6.98	9.93			
B FINAL - 2001 European Cup (Bremen, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>																	
date	23-Jun-01	time	3.32	4.41	5.46		7.52	9.58		11.71	11.71	/ 6					

reaction time	0.119	interval		1.09	1.05	2.06	2.06	2.13	# of strides	4.41	3.11					
wind	1.8 m/s	velocity	6.02	9.17	9.52	9.71	9.71	9.39	8.54	6.80	9.65					
FINAL - 1996 International French Championships (Bercy, FRA)																
date	10-Feb-96	time	2.06	3.20	4.27	5.24	6.25	7.25	7.25	/ 1						
reaction time		interval	1.14	1.07	0.97	1.01	1.00			# of strides	4.27 2.98					
		velocity	4.85	8.77	9.35	10.31	9.90	10.00	8.28	7.03	10.07					
Heat 2 - 1996 International French Championships (Bercy, FRA)																
date	10-Feb-96	time	2.12	3.26	4.30	5.31	6.31	7.31	7.31	/ 1						
reaction time		interval		1.14	1.04	1.01	1.00	1.00		# of strides	4.30 3.01					
		velocity	4.72	8.77	9.62	9.90	10.00	10.00	8.21	6.98	9.97					
Simpson, Sherone (JAM) (1984)																
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2006 Seiko Super Grand Prix (Yokohama, JPN)												Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system				
date	24-Sep-06	time	2.07	3.19	4.23	5.22	6.20	7.17	8.14	9.13	10.13	11.15	11.15	/ 1		
reaction time		interval		1.12	1.04	0.99	0.98	0.97	0.97	0.99	1.00	1.02		# of strides	4.23 2.94 2.96	
wind	-0.8 m/s	velocity	4.83	8.93	9.62	10.10	10.20	10.31	10.31	10.10	10.00	9.80	8.97	7.09	10.20	10.14
Singa, Odile (FRA) (1967)												10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m				
FINAL - 1996 International French Championships (Bercy, FRA)												Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m				
date	10-Feb-96	time	2.05	3.24	4.30	5.36	6.40	7.47				7.47	/ 6			
reaction time		interval		1.19	1.06	1.06	1.04	1.07					# of strides	4.30 3.17		
		velocity	4.88	8.40	9.43	9.43	9.62	9.35				8.03		6.98	9.46	
Heat 2 - 1996 International French Championships (Bercy, FRA)												Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m				
date	10-Feb-96	time	2.04	3.22	4.29	5.35	6.39	7.46				7.46	/ 3			
reaction time		interval		1.18	1.07	1.06	1.04	1.07					# of strides	4.29 3.17		
		velocity	4.90	8.47	9.35	9.43	9.62	9.35				8.04		6.99	9.46	
Siragusa, Irene (ITA) (1993)												10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m				
FINAL - 2020 Memorial Van Damme (Brussels, BEL)												Omega Timing (2020) - diamond league race analysis				
date	04-Sep-20	time		3.3		5.4		7.4		9.5		11.57	11.57	6 / 3		
reaction time	0.147	interval				2.10		2.00		2.10		2.07		# of strides		
wind	0.2 m/s	velocity		6.06		9.52		10.00		9.52		9.66	8.64	54.0		
Sjöberg, Nikki (SWE) (1998)												10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m				
B FINAL - 2017 Windsprint (Sundsvall, SWE)												(2017) - www.windsprint/Splittider/				
date	30-Jul-17	time			4.42		6.52	7.56				11.89	11.89	5 / 1		
reaction time		interval					2.10	1.04				4.33	=PB	# of strides	4.42 3.14	
wind	1.6 m/s	velocity			6.79		9.52	9.62				9.24	8.41	6.79	9.55	
A FINAL - 2016 Windsprint (Sundsvall, SWE)												(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time			4.50			7.69				12.06	12.06	6 / 5		
reaction time		interval						3.19				4.37		# of strides	4.50 3.19	
wind	2.0 m/s	velocity			6.67			9.40				9.15	8.29	6.67	9.40	
Heat 1 - 2016 Windsprint (Sundsvall, SWE)												(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time			4.49			7.69				12.07	12.07	2 / 4		
reaction time		interval						3.20				4.38		# of strides	4.49 3.20	
wind	-0.3 m/s	velocity			6.68			9.38				9.13	8.29	6.68	9.38	
Skagersten, Lisa (SWE) (1992)												10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m				
C FINAL - 2015 Windsprint (Sundsvall, SWE)												(2015) - www.windsprint/Splittider/				
date	26-Jul-15	time					8.05		10.34			12.64	12.64	7 / 6		
reaction time		interval							2.29			2.30		# of strides		
wind	0.1 m/s	velocity					7.45		8.73			8.70	7.91			
Školová, Andrea (CZE) (1996)												10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m				
Semi-Final 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)												Feher (2012) - Czech Republic indoor national championships - women's 60m				
date	25-Feb-12	time	2.26	3.53	4.67	5.79	6.89	8.02				8.02	8 / 7			
reaction time	0.187	interval		1.27	1.14	1.12	1.10	1.13					# of strides	4.67 3.35		
		velocity	4.42	7.87	8.77	8.93	9.09	8.85				7.48		6.42	8.96	
Heat 3 - 2012 Czech Republic National Indoor Championships (Praha, CZE)												Feher (2012) - Czech Republic indoor national championships - women's 60m				
date	25-Feb-12	time	2.25	3.49	4.64	5.76	6.85	7.95				7.95	6 / 4			
reaction time	0.198	interval		1.24	1.15	1.12	1.09	1.10					# of strides	4.64 3.31		
		velocity	4.44	8.06	8.70	8.93	9.17	9.09				7.55		6.47	9.06	
Skugge, Julia (SWE) (1988)												10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m				
FINAL - 2012 Windsprint (Sundsvall, SWE)												(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx				
date	17-Jun-12	time			4.32		7.40		9.49			11.65	11.65	4 / 2		

reaction time	interval	3.08	2.09	2.16	# of strides	4.32	3.08		
wind	1.0 m/s	velocity	6.94	9.74	9.57	9.26	8.58	6.94	9.74

FINAL - 2011 Windsprint (Sundsvall, SWE)(2011) - www.ssg.se/en/Windsprint/Split-times/

date	31-Jul-11	time	4.38	7.52	9.64	11.89	11.89	3 / 6		
reaction time		interval		3.14	2.12	2.25		# of strides	4.38	3.14
wind	0.2 m/s	velocity	6.85	9.55	9.43	8.89	8.41		6.85	9.55

FINAL - 2009 Windsprint (Sundsvall, SWE)(2009) - www.ssg.se/en/Windsprint/Split-times/

date	25-Jul-09	time	4.39	7.52	9.63	11.85	11.85	/ 5	# of strides	4.39	3.13
reaction time	interval			3.13	2.11	2.22					
wind	2.0 m/s	velocity	6.83	9.58	9.48	9.01	8.44			6.83	9.58

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

date	06-Jul-08	time	4.42	7.57	9.70	11.90	11.90	7 / 7	# of strides	4.42	3.15
reaction time	interval			3.15	2.13	2.20					
wind	1.0 m/s	velocity	6.79	9.52	9.39	9.09	8.40			6.79	9.52

Slavetinská, Karolína (CZE) (1997)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE)

Feher (2014) - Final report from the U18 & U20 Czech Republic national championships

date	28-Jun-14	time	3.62	5.99	8.32	10.68	13.15	13.15	6 / 5
reaction time	0.221	interval	2.37	2.33	2.36	2.47	# of strides		
wind	-1.7 m/s	velocity	5.52	8.44	8.58	8.47	8.10	7.60	

Slettum, Elisabeth (NOR) (1986)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

A FINAL - 2015 Windsprint (Sundsvall, SWE)(2015) - www.windsprint/Splittider/

date	26-Jul-15	time	4.51	7.66	9.78	11.95	11.95	2 / 5	# of strides	4.51	3.15
reaction time		interval		3.15	2.12	2.17					
wind	0.9 m/s	velocity	6.65	9.52	9.43	9.22	8.37			6.65	9.52

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

date	20-Jul-14	time	4.59	7.77	9.88	12.04	12.04	6 / 6	# of strides	4.59	3.18
reaction time		interval		3.18	2.11	2.16					
wind	1.2 m/s	velocity	6.54	9.43	9.48	9.26	8.31			6.54	9.43

B FINAL - 2013 Windsprint (Sundsvall, SWE)(2013) - www.ssg.se/windsprint/Splittider/

date	28-Jul-13	time	4.56	7.66	9.73	11.85	11.85	4 / 3	# of strides	4.56	3.10
reaction time		interval		3.10	2.07	2.12					
wind	2.6 m/s	velocity	6.58	9.68	9.66	9.43	8.44			6.58	9.68

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

2012 Wind Sprint (Cedarvale, Italy)											
date	17-Jun-12		4.77	8.11	10.33	12.63	12.63	/ 6			
reaction time		interval		3.34	2.22	2.30			# of strides	4.77	3.34
wind	0.6 m/s	velocity	6.29	8.98	9.01	8.70	7.92			6.29	8.98

B FINAL - 2009 Windsprint (Sundsvall, SWE)(2009) - www.ssg.se/en/Windsprint/Split-times/

date	25-Jul-09	time	4.67	7.90	10.03	12.27	12.27	/ 3	# of strides	4.67	3.23
reaction time	interval			3.23	2.13	2.24					
wind	2.5 m/s	velocity	6.42	9.29	9.39	8.93	8.15			6.42	9.29

Slyusar, Irina (URS) (1963)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 1987 European Cup (Prague, TCH)

Sušanka (1987) - hints on computer processing of biomechanical data

date	28-Jun-87	time	2.09	3.26	4.29	5.29	6.30	7.30	8.34	9.38	10.43	11.49	11.49	2 / 8			
reaction time		interval		1.17	1.03	1.00	1.01	1.00	1.04	1.04	1.05	1.06		# of strides	4.29	3.01	3.13
wind	-0.4 m/s	velocity	4.78	8.55	9.71	10.00	9.90	10.00	9.62	9.62	9.52	9.43	8.70	52.7	6.99	9.97	9.58

Smedley, Melinda (USA) (1981)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 2 - 2008 USA Olympic Trials (Eugene, OR)

USATF Women's Sprint Development with HPC (2008)

date	27-Jun-08	time	2.07	3.19	4.24	5.26	6.24	7.26	8.26	9.29	10.28	11.42	11.42	6 / 6				
reaction time		interval		1.12	1.05	1.02	0.98	1.02	1.00	1.03	0.99	1.14		# of strides	4.24	3.02	3.02	
wind	3.5 m/s	velocity	4.83	8.93	9.52	9.80	10.20	9.80	10.00	9.71	10.10	8.77	8.76		7.08	9.93	9.93	

Quarter-Final 3 - 2004 USA Olympic Trials (Sacramento, CA)

USATF Women's Sprint Development (2004)

date	09-Jul-04	time	2.14	3.30	4.40	5.46	6.47	7.54	8.59	9.67	10.76	11.91	11.91	5 / 5 4	# of strides	4.40	3.14	3.22
reaction time	interval		1.16	1.10	1.06	1.01	1.07	1.05	1.08	1.09	1.15							
wind	-1.0 m/s	velocity	4.67	8.62	9.09	9.43	9.90	9.35	9.52	9.26	9.17	8.70	8.40	54.5	6.82	9.55	9.32	

Smibacker, Stina (SWE) (1983)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2007 Windsprint (Sundsvall, SWE)(2007) - www.ssg.se/en/Windsprint/Split-times/

date	24-Jul-07	time	4.46	7.69	9.83	12.10	12.10	/ 5	# of strides	4.46	3.23
reaction time	interval			3.23	2.14	2.27					
wind	1.0 m/s	velocity	6.73	9.29	9.35	8.81	8.26			6.73	9.29

Smith, Caitland (USA) (1996)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2019 The Match - Europe v USA (Minsk, BLR)																	
European Athletics (2019) - race analysis																	
date	09-Sep-19	time			6.41					11.59	11.59	6 / 6					
reaction time	0.181	interval								5.18		# of strides					
wind	-0.8 m/s	velocity			7.80					9.65	8.63	51.5					
Smith, Caryl (USA) (1969)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1986 IAAF World Junior Championships (Athens, GRE)																	
Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints																	
date	17-Jul-86	time	2.08	3.26	4.42	5.36	6.35	7.35	8.34	9.45	10.40	11.45	11.45	1 / 2			
reaction time	0.159	interval		1.18	1.16	0.94	0.99	1.00	0.99	1.11	0.95	1.05		# of strides	4.42	2.93	3.05
wind	0.9 m/s	velocity	4.81	8.47	8.62	10.64	10.10	10.00	10.10	9.01	10.53	9.52	8.73		6.79	10.24	9.84
Smith, Jonielle (JAM) (1996)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2019 Meeting de Paris (Paris, FRA)																	
Omega Timing (2019) - diamond league race analysis																	
date	24-Aug-19	time			6.2					11.17	11.17	1 / 6					
reaction time	0.146	interval								4.97		# of strides					
wind	-0.2 m/s	velocity			8.06					10.06	8.95	49.0					
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)																	
Omega Timing (2019) - diamond league race analysis																	
date	18-Aug-19	time		3.2	5.3	7.3		9.3		11.37	11.37	7 / 5					
reaction time	0.140	interval			2.1	2.0		2.0		2.07		# of strides					
wind	-0.9 m/s	velocity		6.25	9.52	10.00		10.00		9.66	8.80	49.5					
Smith, Rachelle (USA) (1981)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2006 USATF National Championships (Indianapolis, IN)																	
USATF Women's Sprint Development (2006)																	
date	23-Jun-06	time	2.09	3.20	4.25	5.27	6.22	7.22	8.18	9.18	10.19	11.21	11.21	5 / 4 3			
reaction time		interval		1.11	1.05	1.02	0.95	1.00	0.96	1.00	1.01	1.02		# of strides	4.25	2.97	2.97
wind	-0.9 m/s	velocity	4.78	9.01	9.52	9.80	10.53	10.00	10.42	10.00	9.90	9.80	8.92		49.0	7.06	10.10
FINAL - 2005 USATF National Championships (Carson, CA)																	
USATF Women's Sprint Development (2005)																	
date	25-Jun-05	time	2.02	3.17	4.23	5.28	6.27	7.27	8.23	9.26	10.28	11.31	11.31	4 / 4			
reaction time		interval		1.15	1.06	1.05	0.99	1.00	0.96	1.03	1.02	1.03		# of strides	4.23	3.04	3.01
wind	-1.6 m/s	velocity	4.95	8.70	9.43	9.52	10.10	10.00	10.42	9.71	9.80	9.71	8.84		50.5	7.09	9.87
Semi-Final 2 - 2005 USATF National Championships (Carson, CA)																	
USATF Women's Sprint Development (2005)																	
date	25-Jun-05	time	2.02	3.17	4.17	5.14	6.13	7.13	8.06	9.03	10.01	11.02	11.02	5 / 1			
reaction time		interval		1.15	1.00	0.97	0.99	1.00	0.93	0.97	0.98	1.01		# of strides	4.17	2.96	2.88
wind	2.1 m/s	velocity	4.95	8.70	10.00	10.31	10.10	10.00	10.75	10.31	10.20	9.90	9.07		7.19	10.14	10.42
Heat 3 - 2005 USATF National Championships (Carson, CA)																	
USATF Women's Sprint Development (2005)																	
date	24-Jun-05	time	2.05	3.22	4.24	5.22	6.26	7.22	8.22	9.21	10.23	11.23	11.23	6 / 3			
reaction time		interval		1.17	1.02	0.98	1.04	0.96	1.00	0.99	1.02	1.00		# of strides	4.24	2.98	3.01
wind	1.4 m/s	velocity	4.88	8.55	9.80	10.20	9.62	10.42	10.00	10.10	9.80	10.00	8.90		7.08	10.07	9.97
Smith-Barnett, Destiny (USA) (1996)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)																	
Omega Timing (2022) - diamond league race analysis																	
date	21-May-22	time		3.13	5.21	7.20		9.23		11.35	11.35	1 / 6					
reaction time	0.127	interval			2.08	1.99		2.03		2.12		# of strides					
wind	-0.1 m/s	velocity		6.39	9.62	10.05		9.85		9.43	8.81	52.5					
Smolarek, Joanna (POL) (1965)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 1991 European Cup (Frankfurt, GER)																	
Federle (2003) - http://www.fgs.uni-halle.de																	
date	29-Jun-91	time		4.40		7.62		9.80		12.04	12.04	1 / 7					
reaction time		interval				3.22		2.18		2.24		# of strides	4.40	3.22			
wind	-2.7 m/s	velocity		6.82		9.32		9.17		8.93	8.31		6.82	9.32			
Sögenesand, Emelie (NOR) (1994)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
D FINAL - 2014 Windsprint (Sundsvall, SWE)																	
(2014) - www.ssg.se/windsprint/Splittider/																	
date	20-Jul-14	time		4.74		8.21		10.59		13.06	13.06	5 / 3					
reaction time		interval				3.47		2.38		2.47		# of strides	4.74	3.47			
wind	3.1 m/s	velocity		6.33		8.65		8.40		8.10	7.66		6.33	8.65			
Solomon, Shalonda (USA) (1985)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)																	
USATF Women's Sprint Development with HPC (2008)																	
date	28-Jun-08	time	2.09	3.19	4.24	5.24	6.21	7.16	8.18	9.13	10.16	11.18	11.18	8 / 8			
reaction time		interval		1.10	1.05	1.00	0.97	0.95	1.02	0.95	1.03	1.02		# of strides	4.24	2.92	3.00
wind	1.8 m/s	velocity	4.78	9.09	9.52	10.00	10.31	10.53	9.80	10.53	9.71	9.80	8.94		49.2	7.08	10.27
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)																	
USATF Women's Sprint Development with HPC (2008)																	
date	27-Jun-08	time	2.09	3.24	4.25	5.22	6.11	7.17	8.16	9.14	10.12	11.16	11.16	7 / 6			
reaction time		interval		1.15	1.01	0.97	0.89	1.06	0.99	0.98	0.98	1.04		# of strides	4.25	2.92	2.95

wind	0.7 m/s	velocity	4.78	8.70	9.90	10.31	11.24	9.43	10.10	10.20	10.20	9.62	8.96	7.06	10.27	10.17	
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)																	
													USATF Women's Sprint Development with HPC (2008)				
date	27-Jun-08	time	2.07	3.20	4.20	5.21	6.19	7.16	8.14	9.13	10.16	11.16	11.16	6 / 5			
reaction time		interval		1.13	1.00	1.01	0.98	0.97	0.98	0.99	1.03	1.00		# of strides	4.20	2.96	3.00
wind	1.8 m/s	velocity	4.83	8.85	10.00	9.90	10.20	10.31	10.20	10.10	9.71	10.00	8.96	7.14	10.14	10.00	
FINAL - 2006 USATF National Championships (Indianapolis, IN)																	
													USATF Women's Sprint Development (2006)				
date	23-Jun-06	time	2.12	3.27	4.30	5.34	6.32	7.34	8.32	9.33	10.38	11.41	11.41	7 / 8 7			
reaction time		interval		1.15	1.03	1.04	0.98	1.02	0.98	1.01	1.05	1.03		# of strides	4.30	3.04	3.04
wind	-0.9 m/s	velocity	4.72	8.70	9.71	9.62	10.20	9.80	10.20	9.90	9.52	9.71	8.76	49.7	6.98	9.87	9.87
Semi-Final 2 - 2005 USATF National Championships (Carson, CA)																	
													USATF Women's Sprint Development (2005)				
date	25-Jun-05	time	2.12	3.25	4.32	5.31	6.34	7.33	8.31	9.33	10.36	11.39	11.39	1 / 7			
reaction time		interval		1.13	1.07	0.99	1.03	0.99	0.98	1.02	1.03	1.03		# of strides	4.32	3.01	3.03
wind	2.1 m/s	velocity	4.72	8.85	9.35	10.10	9.71	10.10	10.20	9.80	9.71	9.71	8.78	6.94	9.97	9.90	
Heat 3 - 2005 USATF National Championships (Carson, CA)																	
													USATF Women's Sprint Development (2005)				
date	24-Jun-05	time	2.08	3.25	4.34	5.36	6.39	7.36	8.38	9.38	10.39	11.46	11.46	3 / 4			
reaction time		interval		1.17	1.09	1.02	1.03	0.97	1.02	1.00	1.01	1.07		# of strides	4.34	3.02	3.03
wind	1.4 m/s	velocity	4.81	8.55	9.17	9.80	9.71	10.31	9.80	10.00	9.90	9.35	8.73	6.91	9.93	9.90	
FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)																	
													USATF Women's Sprint Development (2003)				
date	22-Jun-03	time	2.12	3.27	4.35	5.37	6.39	7.37	8.34	9.34	10.38	11.40	11.40	5 / 1			
reaction time		interval		1.15	1.08	1.02	1.02	0.98	0.97	1.00	1.04	1.02		# of strides	4.35	3.02	3.01
wind	0.7 m/s	velocity	4.72	8.70	9.26	9.80	9.80	10.20	10.31	10.00	9.62	9.80	8.77	6.90	9.93	9.97	
Soma, Eriko (JPN) (1991)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
FINAL - 2009 Japanese National High School Championships (Nara, JPN)																	
													Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics				
date	30-Jul-09	time		4.35	5.41	6.43	7.48	8.59	9.66			11.89	11.89	3 / 7			
reaction time		interval			1.06	1.02	1.05	1.11	1.07			2.23		# of strides	4.35	3.13	
wind	1.6 m/s	velocity		6.90	9.43	9.80	9.52	9.01	9.35			8.97	8.41		6.90	9.58	
Sönnerfors, Marie (SWE) (1993)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
B FINAL - 2016 Windsprint (Sundsvall, SWE)																	
													(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time		4.64			7.94					12.45	12.45	4 / 1			
reaction time		interval					3.30					4.51		# of strides	4.64	3.30	
wind	1.3 m/s	velocity		6.47			9.09					8.87	8.03		6.47	9.09	
Heat 2 - 2016 Windsprint (Sundsvall, SWE)																	
													(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time		4.64			7.96					12.54	12.54	4 / 3			
reaction time		interval					3.32					4.58		# of strides	4.64	3.32	
wind	1.8 m/s	velocity		6.47			9.04					8.73	7.97		6.47	9.04	
B FINAL - 2014 Windsprint (Sundsvall, SWE)																	
													(2014) - www.ssg.se/windsprint/Splittider/				
date	20-Jul-14	time		4.57			7.80		9.99			12.23	12.23	3 / 5			
reaction time		interval					3.23		2.19			2.24		# of strides	4.57	3.23	
wind	2.3 m/s	velocity		6.56			9.29		9.13			8.93	8.18		6.56	9.29	
C FINAL - 2013 Windsprint (Sundsvall, SWE)																	
													(2013) - www.ssg.se/windsprint/Splittider/				
date	28-Jul-13	time		4.59			7.88		10.12			12.43	12.43	1 / 7			
reaction time		interval					3.29		2.24			2.31		# of strides	4.59	3.29	
wind	-0.1 m/s	velocity		6.54			9.12		8.93			8.66	8.05		6.54	9.12	
C FINAL - 2011 Windsprint (Sundsvall, SWE)																	
													(2011) - www.ssg.se/en/Windsprint/Split-times/				
date	31-Jul-11	time		4.48			7.78		9.96			12.20	12.20	3 / 1			
reaction time		interval					3.30		2.18			2.24		# of strides	4.48	3.30	
wind	1.2 m/s	velocity		6.70			9.09		9.17			8.93	8.20		6.70	9.09	
Sonneville, Camille (BEL) (2006)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
U18 FINAL - 2023 Memorial van Damme (Brussels, BEL)																	
													Omega Timing (2023) - diamond league race analysis				
date	08-Sep-23	time	2.09	3.30	4.40	5.46	6.52	7.57	8.65	9.74	10.85	11.99	11.99	3 / 2			
reaction time	0.144	interval		1.21	1.10	1.06	1.06	1.05	1.08	1.09	1.11	1.14		# of strides	4.40	3.17	3.28
wind	0.4 m/s	velocity	4.78	8.26	9.09	9.43	9.43	9.52	9.26	9.17	9.01	8.77	8.34		6.82	9.46	9.15
Soukalová, Veronika (CZE) (1989)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)																	
													Feher (2013) - Final report from the men's & women's Czech Republic national championships				
date	15-Jun-13	time		3.31		5.52		7.71		9.98		12.26	12.26	7 / 6			
reaction time	0.157	interval				2.21		2.19		2.27		2.28		# of strides			
wind	-1.3 m/s	velocity		6.04		9.05		9.13		8.81		8.77	8.16				
Soumaré, Myriam (FRA) (1986)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	

FINAL - 2013 European Indoor Championships (Göteborg, SWE)*Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	03-Mar-13	time	3.11	5.14	7.11	7.11	4 / 3
reaction time	0.159	interval		2.03	1.97	# of strides	
		velocity	6.43	9.85	10.15	8.44	34.0

Heat 5 - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	16-Aug-09	time	3.16	4.21	5.22	7.27	9.31	11.45	11.45	6 / 3		
reaction time	0.150	interval		1.05	1.01	2.05	2.04	2.14		# of strides	4.21	3.06
wind	-0.7 m/s	velocity	6.33	9.52	9.90	9.76	9.80	9.35	8.73		7.13	9.80

Sowe, Fatou (GAM) (1993)**FINAL - 2020 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2020) - diamond league race analysis*

date	23-Aug-20	time	3.3	5.3	7.4	9.4	11.53	11.53	1 / 8
reaction time	0.140	interval		2.00	2.10	2.00	2.13	PB	# of strides
wind	1.3 m/s	velocity	6.06	10.00	9.52	10.00	9.39	8.67	50.5

Sprunger, Ellen (SUI) (1986)**FINAL - 2016 Swiss National Indoor Championships (St. Gallen, SUI)***Swiss Athletics (2016) - sprint and hurdle analysis*

2016 Swiss National Indoor Championships (St. Gallen, CH)				Swiss Paradox (2016)				Optim and Numba analysis	
date	27-Feb-16	time	4.44	7.56	7.56	1 / 5			
reaction time		interval		3.12		# of strides	4.44	3.12	
		velocity	6.76	9.62	7.94	31.6	6.76	9.62	

Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)*Swiss Athletics (2016) - sprint and hurdle analysis*

date	27-Feb-16	time	4.45	7.62	7.62	1 / 3		
reaction time		interval		3.17		# of strides	4.45	3.17
		velocity	6.74	9.46	7.87		6.74	9.46

Stankevich, Yekaterina (BLR) (1977)**C FINAL - 2001 European Cup (Bremen, GER)***Graubner (2007) - <http://www.fgs.uni-halle.de>*

2001 European Cup (Bremen, GER)										Crawford (2007) https://www.igs.uni-hann.de			
date	23-Jun-01	time	3.40	4.50	5.56	7.65	9.81	12.04	12.04	/ 8			
reaction time	0.292	interval		1.10	1.06	2.09	2.16	2.23		# of strides	4.50	3.15	
wind	-0.2 m/s	velocity	5.88	9.09	9.43	9.57	9.26	8.97	8.31		6.67	9.52	

Stecher, Renate (GDR) (1950)**FINAL - 1976 East German Olympic Qualifier (Karl-Marx-Stadt, GDR) Heß (1978) - geschwindigkeitsdynamik von sprintern 100m-lauf bei wettkampflaufen olympiazyklus 73/76**

date	29-May-76	time	4.23	7.14	9.10	11.10	11.10	1		
reaction time		interval		2.91	1.96	2.00		# of strides	4.23	2.91
wind	1.3 m/s	velocity	7.09	10.31	10.20	10.00	9.01		7.09	10.31

FINAL - 1973 East German Spitzenklasse (Dresden, GDR)*Tepper (1978) - Analyse der trainingsgestaltung und leistungsentwicklung in den sprintdisziplinen der M und F*

date	20-Jul-73	time	4.22	7.17	9.12	11.07	10.80	1		
reaction time		interval		2.95	1.95	1.95	=WR /=PB	# of strides	4.22	2.95
wind	1.8 m/s	velocity	7.11	10.17	10.26	10.26	9.26		7.11	10.17

FINAL - 1972 Olympic Games (Munich, FRG)*Breizer (1984) - sprint competition analysis*

date	02-Sep-72	time	4.12	7.07	9.07	11.07	11.07	3 / 1		
reaction time		interval		2.95	2.00	2.00	WR	# of strides	4.12	2.95
wind	-0.2 m/s	velocity	7.28	10.17	10.00	10.00	9.03	53.5	7.28	10.17

Steiner, Abby (USA) (1999)**FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)***Omega Timing (2023) - diamond league race analysis*

date	02-Jun-23	time	2.05	3.20	4.23	5.22	6.20	7.18	8.18	9.16	10.17	11.23	11.23	2 / 5				
reaction time	0.139	interval		1.15	1.03	0.99	0.98	0.98	1.00	0.98	1.01	1.06		# of strides	4.23	2.95	2.99	
wind	-0.4 m/s	velocity	4.88	8.70	9.71	10.10	10.20	10.20	10.00	10.20	9.90	9.43	8.90		54.0	7.09	10.17	10.03

Stene Stensheim, Jeanette (NOR) (19)**D FINAL - 2009 Windsprint (Sundsvall, SWE)***(2009) - www.ssg.se/en/Windsprint/Split-times/*

DATE				2009 Windspink (Caledonia, SVE)				(2009) Windspink (Caledonia, SVE)			
date	25-Jul-09	time	4.72	8.36	10.74	13.23	13.23	/ 1			
reaction time		interval		3.64	2.38	2.49		# of strides	4.72	3.64	
wind	0.8 m/s	velocity	6.36	8.24	8.40	8.03	7.56		6.36	8.24	

Stenvall, Mia (SWE) (1990)**D FINAL - 2013 Windsprint (Sundsvall, SWE)***(2013) - www.ssg.se/windsprint/Splittider/*

FINAL - 2015 Wind Sprint (Sundsvall, SVLE)							(2015) - www.ssg.se/windsprint/sprinter/			
date	28-Jul-13	time	4.72	8.13	10.40	12.74	12.74	1 / 6		
reaction time		interval		3.41	2.27	2.34		# of strides	4.72	3.41
wind	2.7 m/s	velocity	6.36	8.80	8.81	8.55	7.85		6.36	8.80

Stewart, Kerron (JAM) (1984)**FINAL - 2011 IAAF World Championships (Daegu, KOR)***KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011*

2011 IAAF World Championships (Daegu, Korea)													2011 IAAF World Championships (Daegu, Korea)				
date	29-Aug-11	time	3.12	4.18	5.16	6.13	7.11	8.08	9.03	10.04	11.15	11.15	6 / 6				
reaction time	0.212	interval		1.06	0.98	0.97	0.98	0.97	0.95	1.01	1.11		# of strides	4.18	2.93	2.92	
wind	-1.4 m/s	velocity	6.41	9.43	10.20	10.31	10.20	10.31	10.53	9.90	9.01	8.97	47.0	7.18	10.24	10.27	

FINAL - 2009 IAAF World Championships (Berlin, GER)													Graubner (2009) - biomechanical analyses at the 12th IAAF world championships				
date	17-Aug-09	time	3.11	4.11	5.07	6.96	8.82	10.75	10.75	4 / 2							
reaction time	0.170	interval		1.00	0.96	1.89	1.86	1.93	PB	# of strides	4.11	2.85					
wind	0.1 m/s	velocity	6.43	10.00	10.42	10.58	10.75	10.36	9.30	49.5	7.30	10.53					
Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)													Graubner (2009) - biomechanical analyses at the 12th IAAF world championships				
date	17-Aug-09	time	3.09	4.09	5.06	6.94	8.87	10.84	10.84	4 / 2							
reaction time	0.155	interval		1.00	0.97	1.88	1.93	1.97		# of strides	4.09	2.85					
wind	-0.1 m/s	velocity	6.47	10.00	10.31	10.64	10.36	10.15	9.23		7.33	10.53					
Quarter-Final 1 - 2009 IAAF World Championships (Berlin, GER)													Graubner (2009) - biomechanical analyses at the 12th IAAF world championships				
date	16-Aug-09	time	3.06	4.07	5.05	6.99	8.90	10.92	10.92	5 / 1							
reaction time	0.149	interval		1.01	0.98	1.94	1.91	2.02		# of strides	4.07	2.92					
wind	-0.3 m/s	velocity	6.54	9.90	10.20	10.31	10.47	9.90	9.16		7.37	10.27					
Heat 2 - 2009 IAAF World Championships (Berlin, GER)													Graubner (2009) - biomechanical analyses at the 12th IAAF world championships				
date	16-Aug-09	time	3.15	4.18	5.17	7.20	9.23	11.31	11.31	4 / 1							
reaction time	0.182	interval		1.03	0.99	2.03	2.03	2.08		# of strides	4.18	3.02					
wind	-0.3 m/s	velocity	6.35	9.71	10.10	9.85	9.85	9.62	8.84		7.18	9.93					
FINAL - 2009 ISTAF (Berlin, GER)													Graubner (2009) - http://www.fgs.uni-halle.de				
date	14-Jun-09	time	3.17	4.19	5.18	7.10	9.06	11.00	11.00	/ 1							
reaction time	0.191	interval		1.02	0.99	1.92	1.96	1.94		# of strides	4.19	2.91					
wind	0.1 m/s	velocity	6.31	9.80	10.10	10.42	10.20	10.31	9.09		7.16	10.31					
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)													Graubner (2009) - http://www.fgs.uni-halle.de				
date	14-Sep-08	time	3.19	4.21	5.19	6.16	7.14	8.09	9.06	11.06	11.06	5 / 2					
reaction time	0.169	interval		1.02	0.98	0.97	0.98	0.95	0.97	2.00		# of strides	4.21	2.93			
wind	0.3 m/s	velocity	6.27	9.80	10.20	10.31	10.20	10.53	10.31	10.00	9.04	47.8	7.13	10.24			
Stewart, LeKeidra (USA) (1989)																	
FINAL - 2008 USATF National Junior Championships (Columbus, OH)													USATF Women's Sprint Development with HPC (2008)				
date	20-Jun-08	time	2.15	3.31	4.38	5.44	6.49	7.54	8.57	9.67	10.77	11.88	11.88	9 / 9			
reaction time		interval		1.16	1.07	1.06	1.05	1.05	1.03	1.10	1.10	1.11		# of strides	4.38	3.16	
wind	1.3 m/s	velocity	4.65	8.62	9.35	9.43	9.52	9.52	9.71	9.09	9.09	9.01	8.42		6.85	9.49	
Strachan, Anthonique (BAH) (1993)																	
FINAL - 2023 Weltklasse (Zürich, SUI)													Omega Timing (2023) - diamond league race analysis				
date	31-Aug-23	time	2.06	3.22	4.27	5.28	6.28	7.27	8.28	9.29	10.31	11.39	11.39	7 / 9			
reaction time	0.155	interval		1.16	1.05	1.01	1.00	0.99	1.01	1.01	1.02	1.08		# of strides	4.27	3.00	
wind	-0.2 m/s	velocity	4.85	8.62	9.52	9.90	10.00	10.10	9.90	9.90	9.80	9.26	8.78		45.0	7.03	
FINAL - 2023 London Athletics Meet (London, GBR)													Omega Timing (2023) - diamond league race analysis				
date	23-Jul-23	time	2.03	3.16	4.20	5.19	6.17	7.13	8.11	9.09	10.10	11.13	11.13	7 / 8			
reaction time	0.147	interval		1.13	1.04	0.99	0.98	0.96	0.98	0.98	1.01	1.03		# of strides	4.20	2.93	
wind	1.2 m/s	velocity	4.93	8.85	9.62	10.10	10.20	10.42	10.20	10.20	9.90	9.71	8.98		44.0	7.14	
FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)													Omega Timing (2023) - diamond league race analysis				
date	16-Jul-23	time	2.04	3.18	4.20	5.20	6.16	7.13	8.10	9.06	10.04	11.05	11.05	3 / 6			
reaction time	0.141	interval		1.14	1.02	1.00	0.96	0.97	0.97	0.96	0.98	1.01		# of strides	4.20	2.93	
wind	0.2 m/s	velocity	4.90	8.77	9.80	10.00	10.42	10.31	10.31	10.42	10.20	9.90	9.05		44.0	7.14	
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)													Omega Timing (2022) - diamond league race analysis				
date	21-May-22	time	3.17		5.24		7.26		9.30		11.41	11.41		9 / 8			
reaction time	0.124	interval			2.07		2.02		2.04		2.11			# of strides			
wind	-0.1 m/s	velocity	6.31		9.66		9.90		9.80		9.48		8.76		46.0		
FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)													Omega Timing (2020) - diamond league race analysis				
date	17-Sep-20	time	3.3		5.4		7.4		9.4		11.42	11.42		8 / 9			
reaction time	0.167	interval			2.10		2.00		2.00		2.02			# of strides			
wind	0.2 m/s	velocity	6.06		9.52		10.00		10.00		9.90		8.76		46.0		
Ström, Malin (SWE) (1986)																	
A FINAL - 2017 Windsprint (Sundsvall, SWE)													(2017) - www.windsprint/Splittider/				
date	30-Jul-17	time			4.45		6.56		7.62		9.73		11.92	11.92	2 / 3		
reaction time		interval					2.11		1.06		2.11		2.19		# of strides	4.45	
wind	0.3 m/s	velocity			6.74		9.48		9.43		9.48		9.13	8.39		6.74	
A FINAL - 2016 Windsprint (Sundsvall, SWE)													(2016) - www.windsprint/Splittider/				
date	31-Jul-16	time			4.42		7.53				11.74	11.74		4 / 3			
reaction time		interval					3.11				4.21	PB		# of strides	4.42	3.11	

wind	2.0 m/s	velocity	6.79	9.65	9.50	8.52	6.79	9.65									
Heat 1 - 2016 Windsprint (Sundsvall, SWE)										(2016) - www.windsprint/splittider/							
date	31-Jul-16	time	4.58	7.57	11.80	11.80	3 / 1										
reaction time		interval		2.99	4.23	PB	# of strides	4.58	2.99								
wind	-0.3 m/s	velocity	6.55	10.03	9.46	8.47		6.55	10.03								
B FINAL - 2015 Windsprint (Sundsvall, SWE)										(2015) - www.windsprint/splittider/							
date	26-Jul-15	time	4.50	7.73	9.90	12.15	12.15	7 / 4									
reaction time		interval		3.23	2.17	2.25	# of strides	4.50	3.23								
wind	2.1 m/s	velocity	6.67	9.29	9.22	8.89	8.23		6.67	9.29							
C FINAL - 2010 Windsprint (Sundsvall, SWE)										(2010) - www.ssg.se/en/Windsprint/Split-times/							
date	08-Aug-10	time	4.55	7.87	10.07	12.37	12.37	/ 3									
reaction time		interval		3.32	2.20	2.30	# of strides	4.55	3.32								
wind	3.5 m/s	velocity	6.59	9.04	9.09	8.70	8.08		6.59	9.04							
FINAL - 2009 Windsprint (Sundsvall, SWE)										(2009) - www.ssg.se/en/Windsprint/Split-times/							
date	25-Jul-09	time	4.46	7.64	9.75	11.94	11.94	/ 7									
reaction time		interval		3.18	2.11	2.19	# of strides	4.46	3.18								
wind	2.0 m/s	velocity	6.73	9.43	9.48	9.13	8.38		6.73	9.43							
FINAL - 2007 Windsprint (Sundsvall, SWE)										(2007) - www.ssg.se/en/Windsprint/Split-times/							
date	24-Jul-07	time	4.44	7.67	9.78	12.03	12.03	/ 4									
reaction time		interval		3.23	2.11	2.25	# of strides	4.44	3.23								
wind	1.0 m/s	velocity	6.76	9.29	9.48	8.89	8.31		6.76	9.29							
Sturgis, Cambrea (USA) (1999)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2023 FBK Games (Hengelo, NED)																	
												Omega Timing (2023) - continental tour race analysis					
date	04-Jun-23	time	2.03	3.17	4.20	5.20	6.18	7.15	8.14	9.14	10.15	11.20	2 / 4				
reaction time		interval		1.14	1.03	1.00	0.98	0.97	0.99	1.00	1.01	1.05	# of strides	4.20	2.95	3.00	
wind	-0.1 m/s	velocity	4.93	8.77	9.71	10.00	10.20	10.31	10.10	10.00	9.90	9.52	51.0	7.14	10.17	10.00	
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)																	
												Omega Timing (2022) - diamond league race analysis					
date	21-May-22	time	3.15		5.20		7.22		9.25		11.35	11.35	2 / 7				
reaction time	0.143	interval			2.05		2.02		2.03		2.10		# of strides				
wind	-0.1 m/s	velocity	6.35		9.76		9.90		9.85		9.52	8.81	52.0				
Sturup, Chandra (BAH) (1971)																	
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
FINAL - 2009 IAAF World Championships (Berlin, GER)																	
												Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	17-Aug-09	time	3.11	4.13	5.11	7.07		9.02		11.05	11.05	7 / 7					
reaction time	0.137	interval		1.02	0.98	1.96		1.95		2.03		# of strides	4.13	2.94			
wind	0.1 m/s	velocity	6.43	9.80	10.20	10.20		10.26		9.85	9.05	51.8	7.26	10.20			
Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)																	
												Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	17-Aug-09	time	3.11	4.12	5.10	7.08		9.01		11.01	11.01	5 / 3					
reaction time	0.127	interval		1.01	0.98	1.98		1.93		2.00		# of strides	4.12	2.96			
wind	-0.1 m/s	velocity	6.43	9.90	10.20	10.10		10.36		10.00	9.08		7.28	10.14			
Quarter-Final 1 - 2009 IAAF World Championships (Berlin, GER)																	
												Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	16-Aug-09	time	3.13	4.16	5.15	7.11		9.03		11.06	11.06	3 / 2					
reaction time	0.153	interval		1.03	0.99	1.96		1.92		2.03		# of strides	4.16	2.95			
wind	-0.3 m/s	velocity	6.39	9.71	10.10	10.20		10.42		9.85	9.04		7.21	10.17			
Heat 8 - 2009 IAAF World Championships (Berlin, GER)																	
												Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	16-Aug-09	time	3.16	4.19	5.19	7.19		9.17		11.28	11.28	3 / 1					
reaction time	0.158	interval		1.03	1.00	2.00		1.98		2.11		# of strides	4.19	3.00			
wind	1.1 m/s	velocity	6.33	9.71	10.00	10.00		10.10		9.48	8.87		7.16	10.00			
FINAL - 2009 ISTAF (Berlin, GER)																	
												Graubner (2009) - http://www.fgs.uni-halle.de					
date	14-Jun-09	time	3.20	4.23	5.22	7.16		9.15		11.18	11.18	/ 4					
reaction time	0.198	interval		1.03	0.99	1.94		1.99		2.03		# of strides	4.23	2.93			
wind	0.1 m/s	velocity	6.25	9.71	10.10	10.31		10.05		9.85	8.94		7.09	10.24			
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)																	
												Graubner (2009) - http://www.fgs.uni-halle.de					
date	14-Sep-08	time	3.15	4.18	5.17	6.15	7.15	8.13	9.14		11.23	11.23	1 / 7				
reaction time	0.136	interval		1.03	0.99	0.98	1.00	0.98	1.01		2.09		# of strides	4.18	2.97		
wind	0.3 m/s	velocity	6.35	9.71	10.10	10.20	10.00	10.20	9.90		9.57	8.90		7.18	10.10		
FINAL - 2000 Olympic Games (Sydney, AUS)																	
												Veney - Sydney 100m women's splits					
date	24-Sep-00	time	4.04		6.11	7.15	8.17		10.14	11.21	11.21	6 / 5	# of strides	4.04	3.11	2.99	
reaction time	0.193	interval			2.07	1.04	1.02		1.97	1.07							

wind -0.4 m/s velocity 7.43 9.66 9.62 9.80 10.15 9.35 8.92 7.43 9.65 10.03

FINAL - 1999 IAAF World Championships (Sevilla, ESP)*Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date 22-Aug-99 time 1.86 2.99 4.00 5.00 5.98 6.94 7.92 8.91 9.91 10.93 11.06 7 / 7
 reaction time 0.134 interval 1.13 1.01 1.00 0.98 0.96 0.98 0.99 1.00 1.02 # of strides 4.00 2.94 2.97
 wind -0.1 m/s velocity 5.38 8.85 9.90 10.00 10.20 10.42 10.20 10.10 10.00 9.80 9.04 7.50 10.20 10.10

Štychlová, Martina (CZE) (1992)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date 15-Jun-13 time 3.39 5.59 7.74 9.92 12.15 12.15 3 / 3
 reaction time 0.272 interval 2.20 2.15 2.18 2.23 # of strides
 wind -0.6 m/s velocity 5.90 9.09 9.30 9.17 8.97 8.23

Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)*Feher (2012) - Czech Republic indoor national championships - women's 60m*

date 25-Feb-12 time 2.22 3.45 4.57 5.65 6.77 7.86 7.86 8 / 7
 reaction time 0.175 interval 1.23 1.12 1.08 1.12 1.09 # of strides 4.57 3.29
 velocity 4.50 8.13 8.93 9.26 8.93 9.17 7.63 6.56 9.12

Heat 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)*Feher (2012) - Czech Republic indoor national championships - women's 60m*

date 25-Feb-12 time 2.20 3.44 4.63 5.71 6.81 7.92 7.92 2 / 5
 reaction time 0.168 interval 1.24 1.19 1.08 1.10 1.11 # of strides 4.63 3.29
 velocity 4.55 8.06 8.40 9.26 9.09 9.01 7.58 6.48 9.12

Suda, Saori (JPN) (1986)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 1 - 2008 Mikio Oda Memorial (Hiroshima, JPN)*Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

date 29-Apr-08 time 2.10 3.27 4.35 5.39 6.42 7.46 8.51 9.58 10.67 11.78 11.78 / 3
 reaction time interval 1.17 1.08 1.04 1.03 1.04 1.05 1.07 1.09 1.11 # of strides 4.35 3.11 3.21
 wind 1.3 m/s velocity 4.76 8.55 9.26 9.62 9.71 9.62 9.52 9.35 9.17 9.01 8.49 6.90 9.65 9.35

Sugiyama, Haruka (JPN)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date 04-Aug-11 time 6.64 7.71 8.80 9.88 11.00 12.15 12.15 2 / 6
 reaction time interval 1.07 1.09 1.08 1.12 1.15 # of strides 3.29
 wind -1.0 m/s velocity 7.53 9.35 9.17 9.26 8.93 8.70 8.23 9.12

Sugiyama, Miki (JPN) (1995)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 6 - 2017 Fuse Sprint (Fuse, JPN)*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

date 04-Jun-17 time 2.04 3.21 4.30 5.36 6.40 7.45 8.52 9.60 10.70 11.81 11.81 / 2
 reaction time interval 1.17 1.09 1.06 1.04 1.05 1.07 1.08 1.10 1.11 **PB** # of strides 4.30 3.15 3.25
 wind 0.8 m/s velocity 4.90 8.55 9.17 9.43 9.62 9.52 9.35 9.26 9.09 9.01 8.47 54.7 6.98 9.52 9.23

Šuhájková, Anna (CZE) (1998)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE)*Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date 28-Jun-14 time 3.49 5.80 8.05 10.35 12.76 12.76 3 / 3
 reaction time interval 2.31 2.25 2.30 2.41 # of strides
 wind -1.7 m/s velocity 5.73 8.66 8.89 8.70 8.30 7.84

Sumi, Ryoko (JPN) (2003)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2021 Japanese High School National Championships (Fukui, JPN)*Shibayama (2021) - national high school and U20 national championships*

date 29-Jul-21 time 2.06 3.23 4.30 5.34 6.36 7.40 8.44 9.51 10.61 11.73 11.73 5 / 2
 reaction time interval 1.17 1.07 1.04 1.02 1.04 1.04 1.07 1.10 1.12 # of strides 4.30 3.10 3.21
 wind -0.2 m/s velocity 4.85 8.55 9.35 9.62 9.80 9.62 9.62 9.35 9.09 8.93 8.53 56.0 6.98 9.68 9.35

Sunneborn, Anna (SWE) (1970)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

B FINAL - 2016 Windsprint (Sundsvall, SWE)*(2016) - www.windsprint/Splittider/*

date 31-Jul-16 time 4.80 8.31 13.26 13.26 2 / 5
 reaction time interval 3.51 4.95 # of strides 4.80 3.51
 wind 1.3 m/s velocity 6.25 8.55 8.08 7.54 6.25 8.55

Heat 2 - 2016 Windsprint (Sundsvall, SWE)*(2016) - www.windsprint/Splittider/*

date 31-Jul-16 time 4.82 8.36 13.36 13.36 8 / 7
 reaction time interval 3.54 5.00 # of strides 4.82 3.54
 wind 1.8 m/s velocity 6.22 8.47 8.00 7.49 6.22 8.47

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

date 20-Jul-14 time 4.73 8.24 10.65 13.16 13.16 6 / 4
 reaction time interval 3.51 2.41 2.51 # of strides 4.73 3.51
 wind 3.1 m/s velocity 6.34 8.55 8.30 7.97 7.60 6.34 8.55

D FINAL - 2013 Windsprint (Sundsvall, SWE)*(2013) - www.ssg.se/windsprint/Splittider/*

date 28-Jul-13 time 4.76 8.21 10.55 12.99 12.99 3 / 8
 reaction time interval 3.45 2.34 2.44 # of strides 4.76 3.45

wind	2.7 m/s	velocity	6.30	8.70	8.55	8.20	7.70	6.30	8.70									
D FINAL - 2012 Windsprint (Sundsvall, SWE)										(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx								
date	17-Jun-12	time	4.72	8.16	10.50	12.97	12.97	/ 4										
reaction time		interval		3.44	2.34	2.47		# of strides			4.72	3.44						
wind	1.5 m/s	velocity	6.36	8.72	8.55	8.10	7.71				6.36	8.72						
C FINAL - 2011 Windsprint (Sundsvall, SWE)											(2011) - www.ssg.se/en/Windsprint/Split-times/							
date	31-Jul-11	time	4.67	8.07	10.39	12.81	12.81	5 / 6										
reaction time		interval		3.40	2.32	2.42		# of strides			4.67	3.40						
wind	1.2 m/s	velocity	6.42	8.82	8.62	8.26	7.81				6.42	8.82						
C FINAL - 2009 Windsprint (Sundsvall, SWE)											(2009) - www.ssg.se/en/Windsprint/Split-times/							
date	25-Jul-09	time	4.74	8.15	10.43	12.80	12.80	/ 3										
reaction time		interval		3.41	2.28	2.37		# of strides			4.74	3.41						
wind	0.9 m/s	velocity	6.33	8.80	8.77	8.44	7.81				6.33	8.80						
B FINAL - 2007 Windsprint (Sundsvall, SWE)											(2007) - www.ssg.se/en/Windsprint/Split-times/							
date	24-Jul-07	time	4.67	8.20	10.52	12.90	12.90	/ 5										
reaction time		interval		3.53	2.32	2.38		# of strides			4.67	3.53						
wind	0.9 m/s	velocity	6.42	8.50	8.62	8.40	7.75				6.42	8.50						
Sutschet, Julia (GER) (1988)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
C FINAL - 2009 ISTAF (Berlin, GER)																		
date	14-Jun-09	time	3.44	4.53	5.58	7.70	9.91	11.86	11.86	/ 6								
reaction time	0.265	interval		1.09	1.05	2.12	2.21	1.95		# of strides		4.53	3.17					
wind	0.9 m/s	velocity	5.81	9.17	9.52	9.43	9.05	10.26	8.43			6.62	9.46					
Suzuki, Kizuha (JPN)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)																		
date	03-Aug-18	time	2.03	3.23	4.32	5.38	6.43	7.48	8.54	9.62	10.72	11.85	/ 4					
reaction time		interval		1.20	1.09	1.06	1.05	1.06	1.08	1.10	1.13		# of strides		4.32	3.16	3.24	
wind	0.0 m/s	velocity	4.93	8.33	9.17	9.43	9.52	9.43	9.26	9.09	8.85	8.44			6.94	9.49	9.26	
Suzuki, Kurumi (JPN) (2001)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)																		
date	05-Aug-19	time	2.12	3.29	4.36	5.40	6.44	7.48	8.53	9.60	10.68	11.79	8 / 7					
reaction time		interval		1.17	1.07	1.04	1.04	1.04	1.05	1.07	1.08	1.11	# of strides		4.36	3.12	3.20	
wind	-0.1 m/s	velocity	4.72	8.55	9.35	9.62	9.62	9.52	9.35	9.26	9.01	8.48	50.0		6.88	9.62	9.38	
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)																		
date	03-Aug-18	time	2.12	3.32	4.41	5.47	6.52	7.57	8.64	9.72	10.82	11.93	/ 7					
reaction time		interval		1.20	1.09	1.06	1.05	1.05	1.07	1.08	1.10	1.11	# of strides		4.41	3.16	3.25	
wind	0.0 m/s	velocity	4.72	8.33	9.17	9.43	9.52	9.52	9.35	9.26	9.09	9.01	8.38		6.80	9.49	9.23	
Švejodová, Monika (CZE) (1996)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																		
date	28-Jun-14	time	3.73		6.18	8.55	10.96	13.46	13.46	7 / 5								
reaction time	0.222	interval			2.45	2.37	2.41	2.50		# of strides								
wind	-0.1 m/s	velocity	5.36		8.16	8.44	8.30	8.00	7.43									
Swanson, Taylor (USA) (1992) (T37)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Para FINAL - 2023 Prefontaine Classic (Eugene, OR)																		
date	17-Sep-23	time	2.35	3.63	4.80	5.94	7.09	8.24	9.42	10.63	11.87	13.15	8 / 4					
reaction time	0.236	interval		1.28	1.17	1.14	1.15	1.15	1.18	1.21	1.24	1.28	# of strides		4.80	3.44	3.63	
wind	0.7 m/s	velocity	4.26	7.81	8.55	8.77	8.70	8.70	8.47	8.26	8.06	7.81	57.0		6.25	8.72	8.26	
Swoboda, Ewa (POL) (1997)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)																		
date	16-Jul-23	time	1.96	3.08	4.10	5.08	6.04	7.00	7.96	8.93	9.92	10.94	4 / 3					
reaction time	0.137	interval		1.12	1.02	0.98	0.96	0.96	0.96	0.97	0.99	1.02	# of strides		4.10	2.90	2.92	
wind	0.2 m/s	velocity	5.10	8.93	9.80	10.20	10.42	10.42	10.42	10.31	10.10	9.80	9.14		50.0	7.32	10.34	10.27
FINAL - 2023 Athletissima (Lausanne, SUI)																		
date	30-Jun-23	time	1.99	3.11	4.14	5.14	6.12	7.10	8.08	9.09	10.11	11.17	2 / 4					
reaction time	0.144	interval		1.12	1.03	1.00	0.98	0.98	0.98	1.01	1.02	1.06	# of strides		4.14	2.96	3.01	
wind	-0.8 m/s	velocity	5.03	8.93	9.71	10.00	10.20	10.20	10.20	9.90	9.80	9.43	8.95		50.5	7.25	10.14	9.97
FINAL - 2022 Meeting de Paris (Paris, FRA)																		
date	18-Jun-22	time	3.11		5.11	7.05	9.01	11.05	11.05	3 / 4								
reaction time	0.142	interval			2.00	1.94	1.96	2.04	PB	# of strides								
wind	0.5 m/s	velocity	6.43		10.00	10.31	10.20	9.80	9.05	51.2								

Ta Lou, Marie-Josée (CIV) (1988)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Prefontaine Classic (Eugene, OR)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	16-Sep-23	time	2.01	3.12	4.12	5.08	6.03	6.96	7.90	8.84	9.77	10.75	10.75	4 / 2			
reaction time	0.167	interval		1.11	1.00	0.96	0.95	0.93	0.94	0.94	0.93	0.98		# of strides	4.12	2.84	2.81
wind	0.8 m/s	velocity	4.98	9.01	10.00	10.42	10.53	10.75	10.64	10.64	10.75	10.20	9.30	49.5	7.28	10.56	10.68
FINAL - 2023 London Athletics Meet (London, GBR)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	23-Jul-23	time	1.98	3.09	4.10	5.06	5.99	6.92	7.85	8.80	9.76	10.75	10.75	5 / 1			
reaction time	0.146	interval		1.11	1.01	0.96	0.93	0.93	0.93	0.95	0.96	0.99		# of strides	4.10	2.82	2.84
wind	1.2 m/s	velocity	5.05	9.01	9.90	10.42	10.75	10.75	10.75	10.53	10.42	10.10	9.30	49.5	7.32	10.64	10.56
FINAL - 2023 Athletissima (Lausanne, SUI)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	30-Jun-23	time	1.97	3.10	4.11	5.08	6.03	6.99	7.94	8.90	9.88	10.88	10.88	5 / 1			
reaction time	0.132	interval		1.13	1.01	0.97	0.95	0.96	0.95	0.96	0.98	1.00		# of strides	4.11	2.88	2.89
wind	-0.8 m/s	velocity	5.08	8.85	9.90	10.31	10.53	10.42	10.53	10.42	10.20	10.00	9.19	50.5	7.30	10.42	10.38
FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)													<i>Omega Timing (2023) - diamond league race analysis</i>				
date	02-Jun-23	time	2.02	3.25	4.16	5.14	6.11	7.06	8.01	8.98	9.96	10.97	10.97	4 / 1			
reaction time	0.169	interval		1.23	0.91	0.98	0.97	0.95	0.95	0.97	0.98	1.01		# of strides	4.16	2.90	2.90
wind	-0.4 m/s	velocity	4.95	8.13	10.99	10.20	10.31	10.53	10.53	10.31	10.20	9.90	9.12	51.0	7.21	10.34	10.34
FINAL - 2022 Weltklasse (Zürich, SUI)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	08-Sep-22	time		3.16		5.16		7.06		8.97		10.91	10.91	6 / 3			
reaction time	0.194	interval				2.00		1.90		1.91		1.94		# of strides			
wind	-0.8 m/s	velocity		6.33		10.00		10.53		10.47		10.31	9.17	50.2			
FINAL - 2022 Memorial van Damme (Brussels, BEL)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	02-Sep-22	time		3.14		5.11		6.99		8.86		10.78	10.78	6 / 3			
reaction time	0.181	interval				1.97		1.88		1.87		1.92		# of strides			
wind	0.6 m/s	velocity		6.37		10.15		10.64		10.70		10.42	9.28	50.5			
FINAL - 2022 Athletissima (Lausanne, SUI)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time		3.13		5.14		7.03		8.93		10.89	10.89	3 / 3			
reaction time	0.169	interval				2.01		1.89		1.90		1.96		# of strides			
wind	0.0 m/s	velocity		6.39		9.95		10.58		10.53		10.20	9.18	50.7			
FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	10-Aug-22	time		3.13		5.08		6.94		8.83		10.72	10.72	7 / 3			
reaction time	0.176	interval				1.95		1.86		1.89		1.89	NR PB	# of strides			
wind	0.4 m/s	velocity		6.39		10.26		10.75		10.58		10.58	9.33	50.7			
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	06-Aug-22	time		3.14		5.14		7.06		8.99		11.00	11.00	4 / 3			
reaction time	0.172	interval				2.00		1.92		1.93		2.01		# of strides			
wind	0.5 m/s	velocity		6.37		10.00		10.42		10.36		9.95	9.09	51.5			
FINAL - 2022 Meeting de Paris (Paris, FRA)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	18-Jun-22	time		3.17		5.16		7.08		9.02		11.01	11.01	4 / 3			
reaction time	0.185	interval				1.99		1.92		1.94		1.99		# of strides			
wind	0.5 m/s	velocity		6.31		10.05		10.42		10.31		10.05	9.08	51.7			
FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	05-Jun-22	time		3.16		5.18		7.11		9.03		11.04	11.04	6 / 2			
reaction time	0.177	interval				2.02		1.93		1.92		2.01		# of strides			
wind	0.3 m/s	velocity		6.33		9.90		10.36		10.42		9.95	9.06	52.0			
FINAL - 2022 Prefontaine Classic (Eugene, OR)													<i>Omega Timing (2022) - diamond league race analysis</i>				
date	28-May-22	time		3.16		5.22		7.15		9.07		11.07	11.07	9 / 6			
reaction time	0.141	interval				2.06		1.93		1.92		2.00		# of strides			
wind	0.7 m/s	velocity		6.33		9.71		10.36		10.42		10.00	9.03	51.5			
FINAL - 2021 Weltklasse (Zürich, SUI)													<i>Omega Timing (2021) - diamond league race analysis</i>				
date	09-Sep-21	time		3.2		5.2		7.2		9.1		11.22	11.22	7 / 8			
reaction time	0.157	interval				2.00		2.00		1.90		2.12		# of strides			
wind	0.6 m/s	velocity		6.25		10.00		10.00		10.53		9.43	8.91	50.0			
FINAL - 2021 Athletissima (Lausanne, SUI)													<i>Omega Timing (2021) - diamond league race analysis</i>				
date	26-Aug-21	time		3.2		5.2		7.1		9.0		10.84	10.84	3 / 4			
reaction time	0.166	interval				2.00		1.90		1.90		1.84		# of strides			
wind	1.7 m/s	velocity		6.25		10.00		10.53		10.53		10.87	9.23	51.0			

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

date	21-Aug-21	time	3.2	5.2	7.1	9.0	10.90	10.90	7 / 5
reaction time	0.136	interval		2.00	1.90	1.90	1.90		# of strides
wind	0.9 m/s	velocity	6.25	10.00	10.53	10.53	10.53	9.17	50.7

FINAL - 2020 Olympic Games (Tokyo, JPN)*Vazel (2021) - analyzing the olympic 100-meter sprints*

date	31-Jul-21	time	4.09	6.96	8.91	10.91	10.91	6 / 4		
reaction time	0.158	interval		2.87	3.95	2.00		# of strides	4.09	2.87
wind	-0.6 m/s	velocity	7.33	10.45	5.06	10.00	9.17	50.2	7.33	10.45

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

date	28-May-21	time	3.2	5.2	7.1	9.1	11.12	11.12	4 / 4
reaction time	0.147	interval		2.00	1.90	2.00	2.02		# of strides
wind	1.1 m/s	velocity	6.25	10.00	10.53	10.00	9.90	8.99	51.0

Heat 1 - 2021 Müller Grand Prix (Gateshead, GBR)*Omega Timing (2021) - diamond league race analysis*

date	23-May-21	time	3.0	5.0	7.1	9.2	11.58	11.58	4 / 2
reaction time	0.147	interval		2.00	2.10	2.10	2.38		# of strides
wind	-4.2 m/s	velocity	6.67	10.00	9.52	9.52	8.40	8.64	49.2

FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)*Omega Timing (2020) - diamond league race analysis*

date	17-Sep-20	time	3.2	5.2	7.1	9.1	11.14	11.14	7 / 3
reaction time	0.144	interval		2.00	1.90	2.00	2.04		# of strides
wind	0.2 m/s	velocity	6.25	10.00	10.53	10.00	9.80	8.98	51.5

FINAL - 2020 Bauhaus Galan (Stockholm, SWE)*Omega Timing (2020) - diamond league race analysis*

date	23-Aug-20	time	3.2	5.3	7.2	9.2	11.32	11.32	4 / 3
reaction time	0.150	interval		2.10	1.90	2.00	2.12		# of strides
wind	1.3 m/s	velocity	6.25	9.52	10.53	10.00	9.43	8.83	52.0

FINAL - 2019 IAAF World Championships (Doha, QAT)*Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

date	29-Sep-19	time	1.96	3.08	4.09	5.05	6.01	6.96	7.91	8.88	9.88	10.90	10.90	4 / 3			
reaction time	0.171	interval		1.12	1.01	0.96	0.96	0.95	0.97	1.00	1.02			# of strides	4.09	2.87	2.92
wind	0.1 m/s	velocity	5.10	8.93	9.90	10.42	10.42	10.53	10.53	10.31	10.00	9.80	9.17	52.5	7.33	10.45	10.27

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

date	06-Sep-19	time	3.2	5.2	7.1	9.1	11.09	11.09	6 / 3
reaction time	0.146	interval		2.0	1.9	2.0	1.99		# of strides
wind	-0.3 m/s	velocity	6.25	10.00	10.53	10.00	10.05	9.02	52.5

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

date	24-Aug-19	time		6.2			11.13	11.13	5 / 2
reaction time	0.172	interval					4.93		# of strides
wind	-0.2 m/s	velocity		8.06			10.14	8.98	52.5

FINAL - 2017 IAAF World Championships (London, GBR)*Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m*

date	06-Aug-17	time	2.01	3.15	4.19	5.15	6.09	7.01	7.94	8.90	9.87	10.86	10.86	4 / 2			
reaction time	0.180	interval		1.14	1.04	0.96	0.94	0.92	0.93	0.96	0.97	0.99	PB	# of strides	4.19	2.82	2.86
wind	-0.1 m/s	velocity	4.98	8.77	9.62	10.42	10.64	10.87	10.75	10.42	10.31	10.10	9.21	49.8	7.16	10.64	10.49

Tabakova, Yuliya (RUS) (1980)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2001 ISTAF (Berlin, GER)***Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	31-Aug-01	time	3.28	4.33	5.34	7.33	9.36	11.46	11.46	1 / 8 7		
reaction time	0.169	interval		1.05	1.01	1.99	2.03	2.10		# of strides	4.33	3.00
wind	0.5 m/s	velocity	6.10	9.52	9.90	10.05	9.85	9.52	8.73		6.93	10.00

Táborská, Monika (CZE) (1988)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report from the men's & women's Czech Republic national championships*

date	15-Jun-13	time	2.18	3.35	4.46	5.48	6.52	7.56	8.63	9.71	10.82	11.93	11.93	1 / 7			
reaction time	0.135	interval		1.17	1.11	1.02	1.04	1.04	1.07	1.08	1.11	1.11		# of strides	4.46	3.10	3.26
wind	-0.2 m/s	velocity	4.59	8.55	9.01	9.80	9.62	9.62	9.35	9.26	9.01	9.01	8.38		6.73	9.68	9.20

Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)*Feher (2013) - Final report from the men's & women's Czech Republic national championships*

date	15-Jun-13	time	3.34	5.50	7.57	9.72	11.97	11.97	6 / 3
reaction time	0.148	interval		2.16	2.07	2.15	2.25		# of strides
wind	-1.1 m/s	velocity	5.99	9.26	9.66	9.30	8.89	8.35	

FINAL - 2012 Czech Republic National Indoor Championships (Praha, CZE)*Feher (2012) - Czech Republic indoor national championships - women's 60m*

date	25-Feb-12	time	2.18	3.40	4.49	5.55	6.59	7.67	7.67	8 / 6		
reaction time	0.168	interval		1.22	1.09	1.06	1.04	1.08		# of strides	4.49	3.18
		velocity	4.59	8.20	9.17	9.43	9.62	9.26	7.82	6.68	9.43	

Semi-Final 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

date	25-Feb-12	time	2.17	3.36	4.48	5.52	6.58	7.63
reaction time	0.190	interval		1.19	1.12	1.04	1.06	1.05
		velocity	4.61	8.40	8.93	9.62	9.43	9.52

Feher (2012) - Czech Republic indoor national championships - women's 60m

7.63	3 / 3
# of strides	4.48 3.15
	6.70 9.52

Heat 2 - 2012 Czech Republic National Indoor Championships (Praha, CZE)

date	25-Feb-12	time	2.19	3.37	4.50	5.58	6.64	7.70
reaction time	0.180	interval		1.18	1.13	1.08	1.06	1.06
		velocity	4.57	8.47	8.85	9.26	9.43	9.43

Feher (2012) - Czech Republic indoor national championships - women's 60m

7.70	5 / 2
# of strides	4.50 3.20
	6.67 9.38

Tachiyama, Kie (JPN) (1990)**FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)**

date	30-Jul-08	time	2.10	3.29	4.39	5.45	6.50	7.56	8.63	9.72	10.83	11.96	11.96
reaction time		interval		1.19	1.10	1.06	1.05	1.06	1.07	1.09	1.11	1.13	
wind	0.4 m/s	velocity	9.52	8.40	9.09	9.43	9.52	9.43	9.35	9.17	9.01	8.85	8.36

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

/ 6	
# of strides	4.39 3.17 3.27
	6.83 9.46 9.17

Takahashi, Asuka (JPN) (1991)**Heat 1 - 2020 World Athletics Trials (Fuji, JPN)**

date	06-Sep-20	time	2.05	3.23	4.32	5.38	6.42	7.46	8.52	9.58	10.67	11.78	11.78
reaction time		interval		1.18	1.09	1.06	1.04	1.04	1.06	1.06	1.09	1.11	
wind	1.3 m/s	velocity	4.88	8.47	9.17	9.43	9.62	9.62	9.43	9.43	9.17	9.01	8.49

Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

/ 1	
# of strides	4.32 3.14 3.21
	6.94 9.55 9.35

Takahashi, Mayu (JPN) (2000)**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)**

date	03-Aug-18	time	2.09	3.29	4.39	5.45	6.49	7.54	8.60	9.68	10.77	11.89	11.89
reaction time		interval		1.20	1.10	1.06	1.04	1.05	1.06	1.08	1.09	1.12	
wind	0.0 m/s	velocity	4.78	8.33	9.09	9.43	9.62	9.52	9.43	9.26	9.17	8.93	8.41

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

/ 5	
# of strides	4.39 3.15 3.23
	6.83 9.52 9.29

U20 FINAL - 2018 National Sports Festival (Fukui, JPN)

date	05-Oct-18	time	2.03	3.23	4.33	5.39	6.44	7.50	8.56	9.63	10.73	11.86	11.86
reaction time	0.132	interval		1.20	1.10	1.06	1.05	1.06	1.06	1.07	1.10	1.13	
wind	-0.1 m/s	velocity	4.93	8.33	9.09	9.43	9.52	9.43	9.43	9.35	9.09	8.85	8.43

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

7 / 2	
# of strides	4.33 3.17 3.23
	55.0 6.93 9.46 9.29

Takahashi, Momoko (JPN) (1988)**Heat 2 - 2012 Mikio Oda Memorial (Hiroshima, JPN)**

date	29-Apr-12	time	2.11	3.29	4.35	5.37	6.38	7.38	8.39	9.41	10.45	11.51	11.51
reaction time		interval		1.18	1.06	1.02	1.01	1.00	1.01	1.02	1.04	1.06	
wind	1.3 m/s	velocity	4.74	8.47	9.43	9.80	9.90	10.00	9.90	9.80	9.62	9.43	8.69

Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013

3 / 2	
# of strides	4.35 3.03 3.07
	49.5 6.90 9.90 9.77

FINAL - 2011 Seiko Golden Grand Prix (Kawasaki, JPN)

date	08-May-11	time	2.11	3.28	4.37	5.41	6.45	7.48	8.52	9.56	10.62	11.70	11.70
reaction time		interval		1.17	1.09	1.04	1.04	1.03	1.04	1.04	1.06	1.08	
wind	-0.4 m/s	velocity	4.74	8.55	9.17	9.62	9.62	9.71	9.62	9.62	9.43	9.26	8.55

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

7 / 6	
# of strides	4.37 3.11 3.14
	51.0 6.86 9.65 9.55

FINAL - 2011 Miko Oda Memorial (Hiroshima, JPN)

date	29-Apr-11	time	2.12	3.29	4.36	5.38	6.38	7.37	8.36	9.36	10.38	11.41	11.41
reaction time		interval		1.17	1.07	1.02	1.00	0.99	0.99	1.00	1.02	1.03	
wind	2.6 m/s	velocity	4.72	8.55	9.35	9.80	10.00	10.10	10.10	10.00	9.80	9.71	8.76

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

1 / 4	
# of strides	4.36 3.01 3.01
	57.2 6.88 9.97 9.97

FINAL - 2010 Mikio Oda Memorial (Hiroshima, JPN)

date	29-Apr-10	time	2.08	3.24	4.30	5.32	6.32	7.31	8.30	9.29	10.31	11.35	11.35
reaction time		interval		1.16	1.06	1.02	1.00	0.99	0.99	0.99	1.02	1.04	
wind	1.7 m/s	velocity	4.81	8.62	9.43	9.80	10.00	10.10	10.10	10.10	9.80	9.62	8.81

Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride

/ 2	
# of strides	4.30 3.01 3.00
	49.9 6.98 9.97 10.00

A FINAL - 2009 Mikio Oda Memorial (Hiroshima, JPN)

date	29-Apr-09	time	2.06	3.22	4.27	5.29	6.27	7.26	8.23	9.22	10.22	11.40	11.40
reaction time		interval		1.16	1.05	1.02	0.98	0.99	0.97	0.99	1.00	1.18	
wind	2.2 m/s	velocity	4.85	8.62	9.52	9.80	10.20	10.10	10.31	10.10	10.00	8.47	8.77

Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season

1 / 2	
# of strides	4.27 2.99 2.96
	7.03 10.03 10.14

FINAL - 2008 Nambu Chuhei Memorial (Hakodate, JPN)

date	06-Jul-08	time	2.14	3.31	4.37	5.40	6.40	7.40	8.41	9.44	10.49	11.55	11.55
reaction time		interval		1.17	1.06	1.03	1.00	1.00	1.01	1.03	1.05	1.06	
wind	1.5 m/s	velocity	4.67	8.55	9.43	9.71	10.00	10.00	9.90	9.71	9.52	9.43	8.66

Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles

/ 2	
# of strides	4.37 3.03 3.09
	6.86 9.90 9.71

Heat 1 - 2008 Nambu Chuhei Memorial (Hakodate, JPN)

date	06-Jul-08	time	2.13	3.31	4.39	5.43	6.46	7.48	8.50	9.53	10.57	11.64	11.64
reaction time		interval		1.18	1.08	1.04	1.03	1.02	1.02	1.03	1.04	1.07	
wind	1.1 m/s	velocity	4.69	8.47	9.26	9.62	9.71	9.80	9.80	9.71	9.62	9.35	8.59

Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles

/ 2	
# of strides	4.39 3.09 3.09
	6.83 9.71 9.71

FINAL - 2008 Osaka Grand Prix (Osaka, JPN)

date	10-May-08	time	2.19	3.38	4.48	5.53	6.57	7.60	8.62	9.66	10.72	11.82	11.82
reaction time		interval		1.19	1.10	1.05	1.04	1.03	1.02	1.04	1.06	1.10	

Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles

2 / 6	
# of strides	4.48 3.12 3.12

wind	1.2 m/s	velocity	4.57	8.40	9.09	9.52	9.62	9.71	9.80	9.62	9.43	9.09	8.46	6.70	9.62	9.62		
FINAL - 2008 Mikio Oda Memorial (Hiroshima, JPN)																		
Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles																		
date	29-Apr-08	time	2.10	3.17	4.34	5.37	6.39	7.40	8.41	9.43	10.47	11.53	11.53	/ 4				
reaction time		interval		1.07	1.17	1.03	1.02	1.01	1.01	1.02	1.04	1.06		# of strides	4.34	3.06	3.07	
wind	1.7 m/s	velocity	4.76	9.35	8.55	9.71	9.80	9.90	9.90	9.80	9.62	9.43	8.67		6.91	9.80	9.77	
Heat 2 - 2008 Mikio Oda Memorial (Hiroshima, JPN)																		
Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles																		
date	29-Apr-08	time	2.16	3.36	4.45	5.50	6.55	7.59	8.63	9.68	10.75	11.84	11.84	/ 1				
reaction time		interval		1.20	1.09	1.05	1.05	1.04	1.04	1.05	1.07	1.09		# of strides	4.45	3.14	3.16	
wind	0.2 m/s	velocity	4.63	8.33	9.17	9.52	9.52	9.62	9.62	9.52	9.35	9.17	8.45		6.74	9.55	9.49	
Heat 4 - 2007 IAAF World Championships (Osaka, JPN)																		
Matsuo (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics																		
date	26-Aug-07	time	2.11	3.34	4.45	5.53	6.58	7.64	8.70	9.76	10.85	11.98	11.98	2 / 6				
reaction time	0.152	interval		1.23	1.11	1.08	1.05	1.06	1.06	1.06	1.09	1.13		# of strides	4.45	3.19	3.21	
wind	-0.7 m/s	velocity	4.74	8.13	9.01	9.26	9.52	9.43	9.43	9.43	9.17	8.85	8.35		6.74	9.40	9.35	
FINAL - 2007 Japanese National Championships (Osaka, JPN)																		
Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles																		
date	30-Jun-07	time	2.07	3.25	4.33	5.37	6.40	7.42	8.45	9.48	10.53	11.61	11.61	/ 1				
reaction time		interval		1.18	1.08	1.04	1.03	1.02	1.03	1.03	1.05	1.08		# of strides	4.33	3.09	3.11	
wind	0.0 m/s	velocity	4.83	8.47	9.26	9.62	9.71	9.80	9.71	9.71	9.52	9.26	8.61		6.93	9.71	9.65	
FINAL - 2007 Osaka Grand Prix (Osaka, JPN)																		
Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles																		
date	05-May-07	time	2.14	3.32	4.39	5.42	6.44	7.45	8.47	9.51	10.57	11.65	11.65	/ 5				
reaction time		interval		1.18	1.07	1.03	1.02	1.01	1.02	1.04	1.06	1.08		# of strides	4.39	3.06	3.12	
wind	0.7 m/s	velocity	4.67	8.47	9.35	9.71	9.80	9.90	9.80	9.62	9.43	9.26	8.58		6.83	9.80	9.62	
Takahashi, Yuka (JPN) (1991)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2007 Japanese National High School Championships (Saga, JPN)																		
Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics data																		
date	03-Aug-07	time		3.32	4.43	5.49	6.55	7.62	8.71	9.81	10.91	12.06	12.06	8 / 6				
reaction time		interval			1.11	1.06	1.06	1.07	1.09	1.10	1.10	1.15		# of strides	4.43	3.19	3.29	
wind	1.3 m/s	velocity		6.02	9.01	9.43	9.43	9.35	9.17	9.09	9.09	8.70	8.29		6.77	9.40	9.12	
Takamori, Maho (JPN) (1996)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2012 Japanese National High School Championships (Niigata, JPN)																		
Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics																		
date	30-Jul-12	time				6.59	7.61	8.70	9.80	10.92	12.07	12.07	12.07	6 / 5				
reaction time		interval					1.02	1.09	1.10	1.12	1.15			# of strides			3.31	
wind	-0.3 m/s	velocity				7.59	9.80	9.17	9.09	8.93	8.70	8.29					9.06	
Takenaka, Hikaru (JPN) (1993)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)																		
Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics																		
date	30-Jul-10	time	2.13	3.37		5.62	6.72	7.84	8.96	10.07	11.21	12.38	12.38	7 / 3				
reaction time		interval		1.24		2.25	1.10	1.12	1.12	1.11	1.14	1.17		# of strides			3.34	
wind	-3.2 m/s	velocity	4.69	8.06		8.89	9.09	8.93	8.93	9.01	8.77	8.55	8.08				8.98	
Takeuchi, Masaya (JPN) (1998)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																		
Enomoto (2019) - research on athlete performance and technique- 2019 data book																		
date	05-Oct-19	time			4.31		6.38					11.79	11.79	7 / 4				
reaction time	0.169	interval					2.07					5.41		# of strides	4.31			
wind	1.1 m/s	velocity			6.96		3.13					9.24	8.48		52.0	6.96		
Takeuchi, Sayaka (JPN) (1995)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Heat 3 - 2017 Japanese National Championships (Osaka, JPN)																		
Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season																		
date	23-Jun-17	time	2.07	3.26	4.33	5.37	6.42	7.47	8.53	9.62	10.72	11.83	11.83	/ 3				
reaction time	0.141	interval		1.19	1.07	1.04	1.05	1.05	1.06	1.09	1.10	1.11		# of strides	4.33	3.14	3.25	
wind	-0.9 m/s	velocity	4.83	8.40	9.35	9.62	9.52	9.52	9.43	9.17	9.09	9.01	8.45		54.6	6.93	9.55	9.23
Tanagiya, Tomomi (JPN) (1999)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																		
Enomoto (2019) - research on athlete performance and technique- 2019 data book																		
date	05-Oct-19	time			4.44		6.56					11.95	11.95	8 / 7				
reaction time	0.173	interval					2.12					5.39		# of strides	4.44			
wind	1.1 m/s	velocity			6.76		3.05					9.28	8.37		55.2	6.76		
Taplin, Cheryl (USA) (1972)																		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 1996 USA Olympic Trials (Atlanta, GA)																		
USATF Women's Sprint Development (1996)																		
date	15-Jun-96	time	1.96		4.22		6.12				10.10	11.11	11.11	1 / 8				
reaction time		interval			2.26		1.90				3.98	1.01		# of strides	4.22			
wind	1.1 m/s	velocity	5.10		8.85		10.53				10.05	9.90	9.00		50.5	7.11		
Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)																		
USATF Women's Sprint Development (1996)																		
date	15-Jun-96	time	2.06		4.24		6.16				10.10	11.19	11.19	7 / 4				
reaction time		interval			2.18		1.92				3.94	1.09		# of strides	4.24			

FINAL - 2008 USATF National Junior Championships (Columbus, OH)												USATF Women's Sprint Development with HPC (2008)					
date	20-Jun-08	time	2.08	3.20	4.22	5.21	6.17	7.16	8.14	9.16	10.19	11.21	11.21	6 / 1			
reaction time		interval		1.12	1.02	0.99	0.96	0.99	0.98	1.02	1.03	1.02	PB	# of strides	4.22	2.94	3.03
wind	1.3 m/s	velocity	4.81	8.93	9.80	10.10	10.42	10.10	10.20	9.80	9.71	9.80	8.92		7.11	10.20	9.90
FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)												USATF Women's Sprint Development (2006)					
date	22-Jun-06	time	2.10	3.27	4.27	5.29	6.22	7.24	8.20	9.20	10.21	11.24	11.24	6 / 3			
reaction time		interval		1.17	1.00	1.02	0.93	1.02	0.96	1.00	1.01	1.03	PB	# of strides	4.27	2.97	2.97
wind	1.2 m/s	velocity	4.76	8.55	10.00	9.80	10.75	9.80	10.42	10.00	9.90	9.71	8.90		7.03	10.10	10.10

FINAL - 2009 Japanese National High School Championships (Nara, JPN)										Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics									
date	30-Jul-09	time	4.38	5.45	6.47	7.50	8.58	9.61	11.78	11.78	7 / 3								
reaction time		interval		1.07	1.02	1.03	1.08	1.03	2.17		# of strides	4.38	3.12						
wind	1.6 m/s	velocity	6.85	9.35	9.80	9.71	9.26	9.71	9.22	8.49		6.85	9.62						

Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
date	16-Aug-09	time	3.16	4.21	5.22	7.27	9.31	11.45	11.45	8 / 8		
reaction time	0.136	interval		1.05	1.01	2.05	2.04	2.14		# of strides	4.21	3.06
wind	0.8 m/s	velocity	6.33	9.52	9.90	9.76	9.80	9.35	8.73	50.0	7.13	9.80

FINAL - 1987 IAAF World Championships (Rome, ITA) - Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes																	
date	30-Aug-87	time	2.02	3.13	4.17	5.16	6.12	7.08	8.04	9.03	10.06	11.09	11.09	3 / -5			
reaction time	0.203	interval		1.11	1.04	0.99	0.96	0.96	0.96	0.99	1.03	1.03	DV	# of strides	4.17	2.91	2.98
wind	-0.5 m/s	velocity	4.95	9.01	9.62	10.10	10.42	10.42	10.42	10.10	9.71	9.71	9.02	49.6	7.19	10.31	10.07

date		30-Aug-87	time	2.07	3.14	4.18	5.13	6.10	7.05	8.02	8.99	9.97	10.99	10.99	6/3	# of strides	4.18	2.87	2.92
reaction time	interval			1.07	1.04	0.95	0.97	0.95	0.97	0.97	0.98	1.02	DV						
wind	2.2 m/s	velocity	4.83	9.35	9.62	10.53	10.31	10.53	10.31	10.31	10.20	9.80	9.10		49.2	7.18	10.45	10.27	

[illegible]

date	29-Aug-87	time	4.27	7.26	11.42	11.42	/ -		
reaction time		interval		2.99	4.16	DV	# of strides	4.27	2.99
wind	0.7 m/s	velocity	7.03	10.03	9.62	8.76		7.03	10.03

FINAL - 1983 IAAF World Championships (Helsinki, FIN)										Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints		
date	08-Aug-83	time	3.12	5.19	6.20	7.18	8.17	9.20	11.30	11.30	3 / 7	
reaction time	0.185	interval		2.07	1.01	0.98	0.99	1.03	2.10		# of strides	
wind	-0.5 m/s	velocity	6.41	9.66	9.90	10.20	10.10	9.71	9.52	8.85	50.0	

B FINAL - 2010 Sparkassen-Gala (Regensburg, GER)												Graubner (2010) - http://www.fgs.uni-halle.de			
date	05-Jun-10	time	3.33	4.39	5.42	6.48	7.47	8.56	9.56	11.72	11.72				
reaction time		interval		1.06	1.03	1.04	2.05	2.09	2.16	2.16		# of strides	4.39	3.08	
wind	-0.1 m/s	velocity	6.01	9.43	9.71	9.76	9.76	9.57	9.26	8.53			6.83	9.74	

C FINAL - 2009 ISTAF (Berlin, GER)										Graubner (2009) - http://www.fgs.uni-halle.de			
date	14-Jun-09	time	3.32	4.39	5.42	7.49	9.63	11.83	11.83	/ 5			
reaction time	0.206	interval		1.07	1.03	2.07	2.14	2.20		# of strides	4.39	3.10	
wind	0.9 m/s	velocity	6.02	9.35	9.71	9.66	9.35	9.09	8.45		6.83	9.68	

FINAL - 2020 Memorial Van Damme (Brussels, BEL)										<i>Omega Timing (2020) - diamond league race analysis</i>									
date	04-Sep-20		time	3.3		5.4		7.5		9.5		11.68		11.68		3 / 5			
reaction time	0.153	interval			2.10		2.10		2.00		2.18				# of strides				
wind	0.2 m/s	velocity	6.06		9.52		9.52		10.00		9.17		8.56		50.5				

Terada, Asuka (JPN) (1990)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)			<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>														
date	19-Sep-20	time	2.05	3.24	4.33	5.39	6.44	7.49	8.56	9.65	10.78	11.93	11.93	/ 3			
reaction time		interval		1.19	1.09	1.06	1.05	1.05	1.07	1.09	1.13	1.15		# of strides	4.33	3.16	3.29
wind	-0.8 m/s	velocity	4.88	8.40	9.17	9.43	9.52	9.52	9.35	9.17	8.85	8.70	8.38		6.93	9.49	9.12

FINAL - 2007 Japanese National High School Championships (Saga, JPN)

			<i>Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics data</i>														
date	03-Aug-07	time		3.23	4.31	5.33	6.36	7.39	8.44	9.50	10.58	11.71	11.71	6 / 1			
reaction time		interval			1.08	1.02	1.03	1.03	1.05	1.06	1.08	1.13	PB	# of strides	4.31	3.08	3.19
wind	1.3 m/s	velocity		6.19	9.26	9.80	9.71	9.71	9.52	9.43	9.26	8.85	8.54		6.96	9.74	9.40

Terai, Miho (JPN) (1993)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)			<i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>														
date	05-Oct-19	time			4.35		6.47					11.91	11.91	3 / 5			
reaction time	0.163	interval					2.12					5.44		# of strides	4.35		
wind	1.1 m/s	velocity			6.90		3.09					9.19	8.40	53.0	6.90		

FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)

			<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>														
date	23-Sep-18	time	2.02	3.22	4.32	5.39	6.45	7.52	8.60	9.71	10.85	12.02	12.02	8 / 8			
reaction time	0.116	interval		1.20	1.10	1.07	1.06	1.07	1.08	1.11	1.14	1.17		# of strides	4.32	3.20	3.33
wind	-0.1 m/s	velocity	4.95	8.33	9.09	9.35	9.43	9.35	9.26	9.01	8.77	8.55	8.32	53.3	6.94	9.38	9.01

Heat 6 - 2017 Fuse Sprint (Fuse, JPN)

			<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>														
date	04-Jun-17	time	2.02	3.20	4.29	5.35	6.39	7.44	8.50	9.58	10.68	11.77	11.77	/ 1			
reaction time		interval		1.18	1.09	1.06	1.04	1.05	1.06	1.08	1.10	1.09	PB	# of strides	4.29	3.15	3.24
wind	0.8 m/s	velocity	4.95	8.47	9.17	9.43	9.62	9.52	9.43	9.26	9.09	9.17	8.50	53.4	6.99	9.52	9.26

Terry, Twanisha (USA) (1999)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Prefontaine Classic (Eugene, OR)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	16-Sep-23	time	2.02	3.14	4.15	5.11	6.06	6.99	7.94	8.89	9.85	10.83	10.83	2 / 5			
reaction time	0.134	interval		1.12	1.01	0.96	0.95	0.93	0.95	0.95	0.96	0.98		# of strides	4.15	2.84	2.86
wind	0.8 m/s	velocity	4.95	8.93	9.90	10.42	10.53	10.75	10.53	10.53	10.42	10.20	9.23	51.7	7.23	10.56	10.49

FINAL - 2023 Weltklasse (Zürich, SUI)

			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	31-Aug-23	time	2.03	3.17	4.20	5.19	6.16	7.14	8.11	9.11	10.11	11.13	11.13	3 / 6			
reaction time	0.153	interval		1.14	1.03	0.99	0.97	0.98	0.97	1.00	1.00	1.02		# of strides	4.20	2.94	2.97
wind	-0.2 m/s	velocity	4.93	8.77	9.71	10.10	10.31	10.20	10.31	10.00	10.00	9.80	8.98	53.0	7.14	10.20	10.10

FINAL - 2023 London Athletics Meet (London, GBR)

			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	23-Jul-23	time	2.01	3.15	4.17	5.15	6.10	7.05	8.01	8.98	9.97	10.99	10.99	2 / 6			
reaction time	0.154	interval		1.14	1.02	0.98	0.95	0.95	0.96	0.97	0.99	1.02		# of strides	4.17	2.88	2.92
wind	1.2 m/s	velocity	4.98	8.77	9.80	10.20	10.53	10.53	10.42	10.31	10.10	9.80	9.10	51.0	7.19	10.42	10.27

FINAL - 2023 Kamila Skolimowska Memorial (Silesia, POL)

			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	16-Jul-23	time	2.04	3.16	4.18	5.16	6.11	7.07	8.02	8.98	9.97	10.99	10.99	1 / 4			
reaction time	0.164	interval		1.12	1.02	0.98	0.95	0.96	0.95	0.96	0.99	1.02		# of strides	4.18	2.89	2.90
wind	0.2 m/s	velocity	4.90	8.93	9.80	10.20	10.53	10.42	10.53	10.42	10.10	9.80	9.10	52.0	7.18	10.38	10.34

FINAL - 2022 Weltklasse (Zürich, SUI)

			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	08-Sep-22	time		3.19		5.19		7.12		9.08		11.10	11.10	7 / 6			
reaction time	0.178	interval				2.00		1.93		1.96		2.02		# of strides			
wind	-0.8 m/s	velocity		6.27		10.00		10.36		10.20		9.90	9.01	52.0			

FINAL - 2022 Athletissima (Lausanne, SUI)

			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	26-Aug-22	time		3.14		5.18		7.11		9.07		11.13	11.13	7 / 5			
reaction time	0.160	interval				2.04		1.93		1.96		2.06		# of strides			
wind	0.0 m/s	velocity		6.37		9.80		10.36		10.20		9.71	8.98	51.7			

FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)

			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	10-Aug-22	time		3.14		5.11		7.01		8.92		10.90	10.90	2 / 5			
reaction time	0.158	interval				1.97		1.90		1.91		1.98		# of strides			
wind	0.4 m/s	velocity		6.37		10.15		10.53		10.47		10.10	9.17	52.0			

FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)

			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	06-Aug-22	time		3.15		5.16		7.11		9.10		11.20	11.20	7 / 8			
reaction time	0.156	interval				2.01		1.95		1.99		2.10		# of strides			
wind	0.5 m/s	velocity		6.35		9.95		10.26		10.05		9.52	8.93	51.7			

FINAL - 2022 Prefontaine Classic (Eugene, OR)

			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	28-May-22	time		3.13		5.14		7.06		8.99		10.98	10.98	2 / 5			
reaction time	0.135	interval				2.01		1.92		1.93		1.99		# of strides			

wind	0.7 m/s	velocity	6.39	9.95	10.42	10.36	10.05	9.11	52.7								
Thánou, Ekateríni (GRE) (1975)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	07-Aug-02	time	3.20	4.22	5.21		7.15		9.11		11.10	11.10	/ 1				
reaction time	0.131	interval		1.02	0.99		1.94		1.96		1.99		# of strides	4.22	2.93		
wind	-0.7 m/s	velocity	6.25	9.80	10.10		10.31		10.20		10.05	9.01	52.5	7.11	10.24		
Semi-Final 2 - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	07-Aug-02	time	3.18	4.20	5.18		7.10		9.05		11.05	11.05	/ 1				
reaction time	0.144	interval		1.02	0.98		1.92		1.95		2.00		# of strides	4.20	2.90		
wind	0.3 m/s	velocity	6.29	9.80	10.20		10.42		10.26		10.00	9.05	52.4	7.14	10.34		
Heat 4 - 2002 European Championships (Munich, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	06-Aug-02	time	3.17	4.19	5.17		7.11		9.05		11.07	11.07	/ 1				
reaction time	0.137	interval		1.02	0.98		1.94		1.94		2.02		# of strides	4.19	2.92		
wind	0.3 m/s	velocity	6.31	9.80	10.20		10.31		10.31		9.90	9.03		7.16	10.27		
FINAL - 2000 Olympic Games (Sydney, AUS)			<i>Veney - Sydney 100m women's splits</i>														
date	24-Sep-00	time		4.05		6.12	7.15	8.14		10.09	11.12	11.12	4 / 2 2				
reaction time	0.206	interval				2.07	1.03	0.99		1.95	1.03		# of strides	4.05	3.10	2.94	
wind	-0.4 m/s	velocity		7.41		9.66	9.71	10.10		10.26	9.71	8.99		7.41	9.68	10.20	
FINAL - 1999 IAAF World Championships (Sevilla, ESP)			<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>														
date	22-Aug-99	time	1.89	3.00	4.01	4.96	5.89	6.84	7.79	8.74	9.72	10.72	10.84	4 / 3			
reaction time	0.116	interval		1.11	1.01	0.95	0.93	0.95	0.95	0.95	0.98	1.00		# of strides	4.01	2.83	2.88
wind	-0.1 m/s	velocity	5.29	9.01	9.90	10.53	10.75	10.53	10.53	10.53	10.20	10.00	9.23		7.48	10.60	10.42
Thomas, Gabrielle (USA) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	02-Jun-23	time	2.00	3.19	4.23	5.22	6.21	7.19	8.18	9.18	10.20	11.27	11.27	8 / 6			
reaction time	0.171	interval		1.19	1.04	0.99	0.99	0.98	0.99	1.00	1.02	1.07		# of strides	4.23	2.96	3.01
wind	-0.4 m/s	velocity	5.00	8.40	9.62	10.10	10.10	10.20	10.10	10.00	9.80	9.35	8.87	47.0	7.09	10.14	9.97
FINAL - 2022 Müller Birmingham Diamond League (Birmingham, GBR)			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	21-May-22	time		3.18		5.26		7.26		9.25		11.31	11.31	4 / 5			
reaction time	0.160	interval				2.08		2.00		1.99		2.06		# of strides			
wind	-0.1 m/s	velocity		6.29		9.62		10.00		10.05		9.71	8.84	47.0			
Thomas, Kadi-Ann (GBR) (1986)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
B FINAL - 2009 ISTAF (Berlin, GER)			<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>														
date	14-Jun-09	time		3.28	4.34	5.36		7.39		9.47		11.59	11.59	/ 4			
reaction time	0.192	interval			1.06	1.02		2.03		2.08		2.12		# of strides	4.34	3.05	
wind	0.1 m/s	velocity		6.10	9.43	9.80		9.85		9.62		9.43	8.63		6.91	9.84	
Thompson-Herah, Elaine (JAM) (1992)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2023 Prefontaine Classic (Eugene, OR)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	16-Sep-23	time	2.02	3.14	4.14	5.10	6.04	6.97	7.91	8.86	9.81	10.79	10.79	3 / 3			
reaction time	0.159	interval		1.12	1.00	0.96	0.94	0.93	0.94	0.95	0.95	0.98		# of strides	4.14	2.83	2.84
wind	0.8 m/s	velocity	4.95	8.93	10.00	10.42	10.64	10.75	10.64	10.53	10.53	10.20	9.27	50.0	7.25	10.60	10.56
FINAL - 2023 Memorial van Damme (Brussels, BEL)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	08-Sep-23	time	2.01	3.13	4.13	5.09	6.04	6.98	7.93	8.88	9.85	10.84	10.84	5 / 1			
reaction time	0.186	interval		1.12	1.00	0.96	0.95	0.94	0.95	0.95	0.97	0.99		# of strides	4.13	2.85	2.87
wind	0.0 m/s	velocity	4.98	8.93	10.00	10.42	10.53	10.64	10.53	10.53	10.31	10.10	9.23	50.0	7.26	10.53	10.45
FINAL - 2023 Weltklasse (Zürich, SUI)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	31-Aug-23	time	2.04	3.17	4.19	5.16	6.12	7.08	8.04	9.01	9.99	11.00	11.00	5 / 3			
reaction time	0.181	interval		1.13	1.02	0.97	0.96	0.96	0.96	0.97	0.98	1.01		# of strides	4.19	2.89	2.91
wind	-0.2 m/s	velocity	4.90	8.85	9.80	10.31	10.42	10.42	10.42	10.31	10.20	9.90	9.09	50.0	7.16	10.38	10.31
FINAL - 2022 Commonwealth Games (Birmingham, GBR)			<i>Longines Timing (2022) - commonwealth games race analysis</i>														
date	03-Aug-22	time		3.1		5.1		7.0		8.9		10.95	10.95	4 / 1			
reaction time	0.149	interval				2.00		1.90		1.90		2.05		# of strides			
wind	0.4 m/s	velocity		6.45		10.00		10.53		10.53		9.76	9.13	51.0			
FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			<i>Omega Timing (2022) - diamond league race analysis</i>														
date	05-Jun-22	time		3.12		5.10		6.98		8.88		10.83	10.83	5 / 1			
reaction time	0.158	interval				1.98		1.88		1.90		1.95		# of strides			
wind	0.3 m/s	velocity		6.41		10.10		10.64		10.53		10.26	9.23	51.0			
FINAL - 2022 Prefontaine Classic (Eugene, OR)			<i>Omega Timing (2022) - diamond league race analysis</i>														

date	28-May-22	time	3.11	5.09	6.98	8.85	10.79	10.79	6 / 1
reaction time	0.150	interval		1.98	1.89	1.87	1.94		# of strides
wind	0.7 m/s	velocity	6.43	10.10	10.58	10.70	10.31	9.27	50.5
FINAL - 2021 Weltklasse (Zürich, SUI)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	09-Sep-21	time	3.1	5.1	6.9	8.8	10.65	10.65	4 / 1
reaction time	0.139	interval		2.00	1.80	1.90	1.85		# of strides
wind	0.6 m/s	velocity	6.45	10.00	11.11	10.53	10.81	9.39	49.7
FINAL - 2021 Athletissima (Lausanne, SUI)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	26-Aug-21	time	3.2	5.1	7.0	8.8	10.64	10.64	6 / 2
reaction time	0.154	interval		1.90	1.90	1.80	1.84		# of strides
wind	1.7 m/s	velocity	6.25	10.53	10.53	11.11	10.87	9.40	48.2
FINAL - 2021 Prefontaine Classic (Eugene, OR)									<i>Omega Timing (2021) - diamond league race analysis</i>
date	21-Aug-21	time	3.1	5.1	6.9	8.7	10.54	10.54	6 / 1
reaction time	0.150	interval		2.00	1.80	1.80	1.84	NR PB	# of strides
wind	0.9 m/s	velocity	6.45	10.00	11.11	11.11	10.87	9.49	49.5
FINAL - 2020 Olympic Games (Tokyo, JPN)									<i>Vazel (2021) - analyzing the olympic 100-meter sprints</i>
date	31-Jul-21	time	4.07		6.87	8.72	10.61	10.61	4 / 1
reaction time	0.150	interval			2.80	3.74	1.89	OR NR	# of strides
wind	-0.6 m/s	velocity	7.37		10.71	5.35	10.58	9.43	50.0
FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)									<i>Omega Timing (2020) - diamond league race analysis</i>
date	17-Sep-20	time	3.1	5.1	7.0	8.9	10.84	10.85	5 / 1
reaction time	0.146	interval		2.00	1.90	1.90	1.94		# of strides
wind	0.2 m/s	velocity	6.45	10.00	10.53	10.53	10.31	9.22	50.7
<i>Thompson, Elaine (JAM) (1992)</i>									
FINAL - 2019 IAAF World Championships (Doha, QAT)									<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>
date	29-Sep-19	time	1.99	3.11	4.12	5.08	6.03	6.97	7.92
reaction time	0.143	interval		1.12	1.01	0.96	0.95	0.94	0.95
wind	0.1 m/s	velocity	5.03	8.93	9.90	10.42	10.53	10.64	10.53
FINAL - 2019 Meeting de Paris (Paris, FRA)									<i>Omega Timing (2019) - diamond league race analysis</i>
date	24-Aug-19	time			6.1			10.98	10.98
reaction time	0.123	interval						4.88	
wind	-0.2 m/s	velocity			8.20			10.25	9.11
FINAL - 2017 IAAF World Championships (London, GBR)									<i>Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m</i>
date	06-Aug-17	time	2.06	3.21	4.22	5.17	6.13	7.08	8.04
reaction time	0.200	interval		1.15	1.01	0.95	0.96	0.95	0.96
wind	-0.1 m/s	velocity	4.85	8.70	9.90	10.53	10.42	10.53	10.42
<i>Tollin, Julia (SWE) (1989)</i>									
FINAL - 2007 Windsprint (Sundsvall, SWE)									<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>
date	24-Jul-07	time		4.47			7.82		10.04
reaction time		interval					3.35		2.22
wind	1.0 m/s	velocity		6.71			8.96		9.01
<i>Tornemark, Pernilla (SWE) (1985)</i>									
Heat 1 - 2016 Windsprint (Sundsvall, SWE)									<i>(2016) - www.windsprint/Splittider/</i>
date	31-Jul-16	time		4.58			7.77		12.10
reaction time		interval					3.19		4.33
wind	-0.3 m/s	velocity		6.55			9.40		9.24
<i>Törnros, Sandra (SWE) (1995)</i>									
A FINAL - 2016 Windsprint (Sundsvall, SWE)									<i>(2016) - www.windsprint/Splittider/</i>
date	31-Jul-16	time		4.63			7.86		12.30
reaction time		interval					3.23		4.44
wind	2.0 m/s	velocity		6.48			9.29		9.01
Heat 1 - 2016 Windsprint (Sundsvall, SWE)									<i>(2016) - www.windsprint/Splittider/</i>
date	31-Jul-16	time		4.60			7.82		12.22
reaction time		interval					3.22		4.40
wind	-0.3 m/s	velocity		6.52			9.32		9.09
C FINAL - 2013 Windsprint (Sundsvall, SWE)									<i>(2013) - www.ssg.se/windsprint/Splittider/</i>
date	28-Jul-13	time		4.49			7.70		9.86
reaction time		interval					3.21		2.16
wind	-0.1 m/s	velocity		6.68			9.35		9.26

B FINAL - 2011 Windsprint (Sundsvall, SWE)(2011) - www.ssg.se/en/Windsprint/Split-times/

date	31-Jul-11	time	4.56	7.74	9.87	12.11	12.11	6 / 8		
reaction time		interval		3.18	2.13	2.24		# of strides	4.56	3.18
wind	3.4 m/s	velocity	6.58	9.43	9.39	8.93	8.26		6.58	9.43

Torrence, Gwen (USA) (1965)10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m
USATF Women's Sprint Development (1996)

FINAL - 1996 USA Olympic Trials (Atlanta, GA)																				
date	15-Jun-96	time	1.90	4.12	5.99			9.73	10.82	10.82	4 / 1									
reaction time		interval		2.22	1.87			3.74	1.09	PB	# of strides	4.12								
wind	1.1 m/s	velocity	5.26	9.01	10.70			10.70	9.17	9.24	49.5	7.28								

Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)

USATF Women's Sprint Development (1996)

date	15-Jun-96	time	2.04	4.19	6.08			9.93	10.98	10.98	4 / 1									
reaction time		interval		2.15	1.89			3.85	1.05		# of strides	4.19								
wind	0.2 m/s	velocity	4.90	9.30	10.58			10.39	9.52	9.11	49.3	7.16								

FINAL - 1995 USATF National Championships (Sacramento, CA)

Lyle - miscellaneous coaching notes

date	16-Jun-95	time	1.91	3.15	4.17	5.18	6.08	7.06	8.00	8.95	9.98	11.03	11.04	3 / 1						
reaction time		interval		1.24	1.02	1.01	0.90	0.98	0.94	0.95	1.03	1.05		# of strides	4.17	2.89	2.92			
wind	0.0 m/s	velocity	5.24	8.06	9.80	9.90	11.11	10.20	10.64	10.53	9.71	9.52	9.06		7.19	10.38	10.27			

FINAL - 1993 IAAF World Championships (Stuttgart, GER)

Price (1994) - split times for 100m sprint, 1993 IAAF world championship

date	16-Aug-93	time	4.14			7.00			8.92		10.89	10.89	3 / 3							
reaction time	0.142	interval				2.86			1.92		1.97		# of strides	4.14	2.86					
wind	0.3 m/s	velocity			7.25		10.49		10.42		10.15	9.18		49.5	7.25	10.49				

FINAL - 1992 Olympic Games (Barcelona, ESP)

Arnold (1992) - 1992 Olympic report: 100m men

date	01-Aug-92	time	3.14	5.11	6.99	8.93	10.85	10.86	5 / 4											
reaction time	0.175	interval		1.97	1.88	1.94	1.92	PB	# of strides											
wind	-1.0 m/s	velocity	6.37	10.15	10.64	10.31	10.42	9.21	50.7											

FINAL - 1991 IAAF World Championships (Tokyo, JPN)

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

date	27-Aug-91	time			6.16						11.03	11.03	5 / 2							
reaction time	0.152	interval									4.87		# of strides							
wind	-3.0 m/s	velocity			8.12						10.27	9.07	51.0							

FINAL - 1988 Olympic Games (Seoul, KOR)

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

date	25-Sep-88	time	2.01	3.12	4.15	5.13	6.10	7.05	8.01	8.99	9.98	10.97	10.97	1 / 5						
reaction time	0.148	interval		1.11	1.03	0.98	0.97	0.95	0.96	0.98	0.99	0.99		# of strides	4.15	2.90	2.93			
wind	3.0 m/s	velocity	4.98	9.01	9.71	10.20	10.31	10.53	10.42	10.20	10.10	10.10	9.12	49.7	7.23	10.34	10.24			

Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)

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

date	25-Sep-88	time	2.00	3.11	4.16	5.14	6.12	7.08	8.04	9.03	10.02	11.02	11.02	5 / 3						
reaction time	0.130	interval		1.11	1.05	0.98	0.98	0.96	0.96	0.99	0.99	1.00		# of strides	4.16	2.92	2.94			
wind	0.5 m/s	velocity	5.00	9.01	9.52	10.20	10.20	10.42	10.42	10.10	10.10	10.00	9.07	7.21	10.27	10.20				

Trollsås Malin (SWE) (1993)10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m
(2013) - www.ssg.se/windsprint/Splittider/

D FINAL - 2013 Windsprint (Sundsvall, SWE)																				
date	28-Jul-13	time			4.71			8.05		10.29		12.60	12.60	8 / 4						
reaction time		interval						3.34		2.24		2.31		# of strides	4.71	3.34				
wind	2.7 m/s	velocity			6.37			8.98		8.93		8.66	7.94		6.37	8.98				

Tschirch, Cathleen (GER) (1979)10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m
Graubner (2009) - <http://www.fgs.uni-halle.de>

B FINAL - 2009 ISTAF (Berlin, GER)																				
date	14-Jun-09	time	3.27	4.34	5.38		7.43		9.52		11.61	11.61	/ 6							
reaction time	0.168	interval		1.07	1.04		2.05		2.09		2.09		# of strides	4.34	3.09					
wind	0.1 m/s	velocity	6.12	9.35	9.62		9.76		9.57		9.57	8.61		6.91	9.71					

Tsuha, Akane (JPN)10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m
Miyasuo (2009) - 62nd high school championships: JAF scientific committee - biomechanics data collection

FINAL - 2009 Japanese National High School Championships (Nara, JPN)																				
date	30-Jul-09	time			4.38	5.45	6.48	7.52	8.60	9.63		11.82	11.82	9 / 5						
reaction time		interval				1.07	1.03	1.04	1.08	1.03		2.19		# of strides	4.38	3.14				
wind	1.6 m/s	velocity			6.85	9.35	9.71	9.62	9.26	9.71		9.13	8.46		6.85	9.55				

Tsukuda, Misa (JPN) (2001)10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m
Kota (2017) - 70th high school championships: JAF scientific committee - biomechanics data

FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)																				
date	30-Jul-17	time			4.45			7.76			11.16	12.35	12.35	8 / 6						
reaction time	0.146	interval						3.31			3.40	1.19		# of strides	4.45	3.31	3.40			
wind	-3.0 m/s	velocity			6.74			9.06			8.82	8.40	8.10		6.74	9.06	8.82			

Tsuruta, Remi (JPN) (1997)10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

FINAL - 2020 Japanese National Championships (Niigata, JPN)																				
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date	02-Oct-20	time	2.05	3.21	4.28	5.32	6.33	7.35	8.37	9.41	10.46	11.53	11.53	5 / 2			
reaction time	0.158	interval		1.16	1.07	1.04	1.01	1.02	1.02	1.04	1.05	1.07		# of strides	4.28	3.07	3.11
wind	0.5 m/s	velocity	4.88	8.62	9.35	9.62	9.90	9.80	9.80	9.62	9.52	9.35	8.67		7.01	9.77	9.65
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)																	
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																	
date	19-Sep-20	time	2.07	3.27	4.37	5.43	6.47	7.52	8.57	9.63	10.70	11.79	11.79	/ 1			
reaction time		interval		1.20	1.10	1.06	1.04	1.05	1.05	1.06	1.07	1.09		# of strides	4.37	3.15	3.18
wind	-0.8 m/s	velocity	4.83	8.33	9.09	9.43	9.62	9.52	9.52	9.43	9.35	9.17	8.48		6.86	9.52	9.43
FINAL - 2020 Athlete Night Games (Fukui, JPN)																	
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																	
date	29-Aug-20	time	2.04	3.22	4.29	5.32	6.34	7.35	8.36	9.38	10.42	11.48	11.48	/ 1			
reaction time		interval		1.18	1.07	1.03	1.02	1.01	1.01	1.02	1.04	1.06	PB	# of strides	4.29	3.06	3.07
wind	1.1 m/s	velocity	4.90	8.47	9.35	9.71	9.80	9.90	9.90	9.80	9.62	9.43	8.71		6.99	9.80	9.77
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)																	
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																	
date	23-Aug-20	time	2.05	3.24	4.34	5.39	6.44	7.48	8.52	9.58	10.64	11.72	11.72	2 / 2			
reaction time	0.162	interval		1.19	1.10	1.05	1.05	1.04	1.04	1.06	1.06	1.08		# of strides	4.34	3.14	3.16
wind	-0.9 m/s	velocity	4.88	8.40	9.09	9.52	9.52	9.62	9.62	9.43	9.43	9.26	8.53		6.91	9.55	9.49
Turner, Laura (GBR) (1982)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx																	
FINAL - 2012 Windsprint (Sundsvall, SWE)																	
date	17-Jun-12	time		4.34				7.52		9.68		11.95	11.95	1 / 6			
reaction time		interval						3.18		2.16		2.27		# of strides	4.34	3.18	
wind	1.0 m/s	velocity		6.91				9.43		9.26		8.81	8.37		6.91	9.43	
FINAL - 2010 Sparkassen-Gala (Regensburg, GER)																	
Graubner (2010) - http://www.fgs.uni-halle.de																	
date	05-Jun-10	time		3.23	4.27	5.27		7.29		9.33		11.44	11.44	/ 2			
reaction time		interval			1.04	1.00		2.02		2.04		2.11		# of strides	4.27	3.02	
wind	-0.4 m/s	velocity		6.19	9.62	10.00		9.90		9.80		9.48	8.74		7.03	9.93	
B FINAL - 2009 ISTAF (Berlin, GER)																	
Graubner (2009) - http://www.fgs.uni-halle.de																	
date	14-Jun-09	time		3.21	4.26	5.28		7.31		9.38		11.46	11.46	/ 2			
reaction time	0.175	interval			1.05	1.02		2.03		2.07		2.08		# of strides	4.26	3.05	
wind	0.1 m/s	velocity		6.23	9.52	9.80		9.85		9.66		9.62	8.73		7.04	9.84	
Tyson, Cleo (USA) (1986)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
USATF Women's Sprint Development (2005)																	
FINAL - 2005 USATF National Junior Championships (Carson, CA)																	
date	23-Jun-05	time	2.12	2.37	4.29	5.31	6.31	7.34	8.31	9.36	10.38	11.44	11.44	7 / 1			
reaction time		interval		0.25	1.92	1.02	1.00	1.03	0.97	1.05	1.02	1.06		# of strides	4.29	3.05	3.04
wind	-1.1 m/s	velocity	4.72	40.00	5.21	9.80	10.00	9.71	10.31	9.52	9.80	9.43	8.74		6.99	9.84	9.87
Ullgren, Moa (SWE) (1996)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
D FINAL - 2014 Windsprint (Sundsvall, SWE)																	
(2014) - www.ssg.se/windsprint/Splittider/																	
date	20-Jul-14	time		4.63				8.00		10.26		12.60	12.60	4 / 1			
reaction time		interval						3.37		2.26		2.34		# of strides	4.63	3.37	
wind	3.1 m/s	velocity		6.48				8.90		8.85		8.55	7.94		6.48	8.90	
Uchiyama, Kyoka (JPN) (2003)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																	
Enomoto (2019) - research on athlete performance and technique- 2019 data book																	
date	04-Oct-19	time		4.43			6.63					12.12	12.12	5 / 1			
reaction time	0.162	interval				2.20						5.49		# of strides	4.43		
wind	-1.8 m/s	velocity		6.77		3.02						9.11	8.25		53.2	6.77	
Urbánková, Petra (CZE) (1991)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
Feher (2013) - Final report from the men's & women's Czech Republic national championships																	
FINAL - 2013 Czech Republic National Championships (Tábor, CZE)																	
date	15-Jun-13	time	2.14	3.25	4.35	5.35	6.37	7.40	8.46	9.54	10.62	11.71	11.71	3 / 3			
reaction time	0.141	interval		1.11	1.10	1.00	1.02	1.03	1.06	1.08	1.08	1.09		# of strides	4.35	3.05	3.22
wind	-0.2 m/s	velocity	4.67	9.01	9.09	10.00	9.80	9.71	9.43	9.26	9.26	9.17	8.54		6.90	9.84	9.32
Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)																	
Feher (2013) - Final report from the men's & women's Czech Republic national championships																	
date	15-Jun-13	time		3.26		5.38		7.48		9.64		11.88	11.88	4 / 1			
reaction time	0.140	interval				2.12		2.10		2.16		2.24		# of strides			
wind	-1.1 m/s	velocity		6.13		9.43		9.52		9.26		8.93	8.42				
Usui, Ayane (JPN) (2000)																	
10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m																	
Kota (2018) - 71st high school championships: JAF scientific committee- biomechanics data																	
FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)																	
date	03-Aug-18	time	2.02	3.20	4.29	5.34	6.38	7.42	8.48	9.56	10.65	11.77	11.77	/ 3			
reaction time		interval		1.18	1.09	1.05	1.04	1.04	1.06	1.08	1.09	1.12	PB	# of strides	4.29	3.13	3.23
wind	0.0 m/s	velocity	4.95	8.47	9.17	9.52	9.62	9.62	9.43	9.26	9.17	8.93	8.50		6.99	9.58	9.29
FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)																	
Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics data																	
date	30-Jul-17	time		4.31				7.55			10.89	12.06	12.06	4 / 2			

reaction time	0.140	interval				3.24		3.34	1.17		# of strides	4.31	3.24	3.34
wind	-3.0 m/s	velocity	6.96			9.26		8.98	8.55	8.29		6.96	9.26	8.98

FINAL - 2016 Japanese National High School Championships (Okayama, JPN) *Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics data*

date	30-Jul-16	time	3.16	4.36	5.47	6.56	7.67	8.76	9.90	12.20	12.20	/ 6		
reaction time	0.139	interval	1.20	1.11	1.09	1.11	1.09	1.14	2.30			# of strides	4.36	3.31
wind	1.6 m/s	velocity	6.33	8.33	9.01	9.17	9.01	9.17	8.77	8.70	8.20		6.88	9.06

Valášková, Tereza (CZE) (1998) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE) *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

date	28-Jun-14	time	3.48		5.75		8.01		10.34		12.73	12.73	3 / 5	
reaction time	0.169	interval			2.27		2.26		2.33		2.39		# of strides	
wind	-1.4 m/s	velocity	5.75		8.81		8.85		8.58		8.37	7.86		

van Beurden, Maartje (SUI) (2000) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI) *Swiss Athletics (2016) - sprint and hurdle analysis*

date	27-Feb-16	time		4.57		7.93					7.93	7.93	/ 7	
reaction time		interval				3.36							# of strides	4.57 3.36
		velocity		6.56		8.93					7.57			6.56 8.93

van Caamp, Emma (SUI) (2004) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

B FINAL - Heat 3 - 2022 Athletissima (Lausanne, SUI) *Omega Timing (2022) - diamond league race analysis*

date	26-Aug-22	time	3.3		5.4		7.4		9.5		11.80	11.80	2 / 5	
reaction time		interval			2.10		2.00		2.10		2.30		# of strides	
wind	0.8 m/s	velocity	6.06		9.52		10.00		9.52		8.70	8.47		

van den Berg, Daphne (SUI) (1997) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

Semi-Final 2 - 2016 Swiss National Indoor Championships (St. Gallen, SUI) *Swiss Athletics (2016) - sprint and hurdle analysis*

date	27-Feb-16	time		4.64		7.99					7.99	7.99	/ 8	
reaction time		interval				3.35							# of strides	4.64 3.35
		velocity		6.47		8.96					7.51			6.47 8.96

van Gansewinkel, Marlene (NED) (1991) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	17-Sep-23	time	2.39	3.70	4.87	6.00	7.10	8.18	9.28	10.38	11.50	12.68	12.68	2 / 2	
reaction time	0.190	interval		1.31	1.17	1.13	1.10	1.08	1.10	1.10	1.12	1.18		# of strides	4.87 3.31 3.32
wind	0.7 m/s	velocity	4.18	7.63	8.55	8.85	9.09	9.26	9.09	9.09	8.93	8.47	7.89	51.0	6.16 9.06 9.04

van Hünenstijn, Marije (NED) (1995) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	31-Aug-23	time	2.10	3.29	4.35	5.37	6.38	7.38	8.39	9.41	10.44	11.49	11.49	9 / 8	
reaction time	0.162	interval		1.19	1.06	1.02	1.01	1.00	1.01	1.02	1.03	1.05		# of strides	4.35 3.03 3.06
wind	-0.1 m/s	velocity	4.76	8.40	9.43	9.80	9.90	10.00	9.90	9.80	9.71	9.52	8.70		6.90 9.90 9.80

FINAL - 2022 FBK Games (Hengelo, NED) *Omega Timing (2022) - continental tour race analysis*

date	06-Jun-22	time		3.2		5.3		7.3		9.4		11.56	11.56	9 / 8	
reaction time	0.126	interval				2.10		2.00		2.10		2.16		# of strides	
wind	0.8 m/s	velocity		6.25		9.52		10.00		9.52		9.26	8.65		50.0

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

date	13-Jul-21	time		3.3		5.4		7.4		9.4		11.41	11.41	3 / 4	
reaction time	0.166	interval				2.10		2.00		2.00		2.01		# of strides	
wind	1.5 m/s	velocity		6.06		9.52		10.00		10.00		9.95	8.76		

National FINAL - 2021 Bauhaus Galan (Stockholm, SWE) *Omega Timing (2021) - diamond league race analysis*

date	04-Jul-21	time		3.3		5.4		7.3		9.3		11.32	11.32	2 / 3	
reaction time	0.160	interval				2.10		1.90		2.00		2.02		# of strides	
wind	-1.3 m/s	velocity		6.06		9.52		10.53		10.00		9.90	8.83		49.2

FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA) *Omega Timing (2020) - diamond league race analysis*

date	17-Sep-20	time		3.3		5.4		7.3		9.4		11.42	11.42	9 / 8	
reaction time	0.149	interval				2.10		1.90		2.10		2.02		# of strides	
wind	0.2 m/s	velocity		6.06		9.52		10.53		9.52		9.90	8.76		49.7

FINAL - 2020 Bauhaus Galan (Stockholm, SWE) *Omega Timing (2020) - diamond league race analysis*

date	23-Aug-20	time		3.3		5.3		7.3		9.3		11.28	11.28	8 / 2	
reaction time	0.154	interval				2.00		2.00		2.00		1.98		# of strides	
wind	1.3 m/s	velocity		6.06		10.00		10.00		10.00		10.10	8.87		48.5

van Vliet, Leonie (NED) (1993) 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

date	13-Jul-21	time		3.4		5.5		7.5		9.6		11.66	11.62	2 / 5	
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reaction time	0.215	interval			2.10	2.00	2.10	2.06		# of strides								
wind	1.5 m/s	velocity	5.88		9.52	10.00	9.52	9.71	8.61									
Vávrová, Katerína (CZE) (1998)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time	2.16	3.40	4.58	5.74	6.90	8.07	9.23	10.40	11.58	12.76	5 / 4					
reaction time	0.126	interval	1.24	1.18	1.16	1.16	1.17	1.16	1.17	1.18	1.18		# of strides	4.58	3.49	3.51		
wind	-6.4 m/s	velocity	4.63	8.06	8.47	8.62	8.62	8.55	8.62	8.55	8.47	8.47	7.84	6.55	8.60	8.55		
Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time	3.37		5.63		7.86		10.13		12.46	12.46	4 / 1					
reaction time	0.135	interval			2.26		2.23		2.27		2.33		# of strides					
wind	-1.7 m/s	velocity		5.93	8.85		8.97		8.81		8.58	8.03						
Vélová, Adéla (CZE) (1995)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time	3.71		6.21		8.64		11.13		13.73	13.73	1 / 7					
reaction time	0.173	interval			2.50		2.43		2.49		2.60		# of strides					
wind	-0.1 m/s	velocity		5.39	8.00		8.23		8.03		7.69	7.28						
Veverková, Markéta (CZE) (1989)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Heat 1 - 2012 Czech Republic National Indoor Championships (Praha, CZE) <i>Feher (2012) - Czech Republic indoor national championships - women's 60m</i>																		
date	25-Feb-12	time	2.17	3.42	4.62	5.71	6.89	8.06			8.06	7 / 6						
reaction time	0.157	interval		1.25	1.20	1.09	1.18	1.17				# of strides	4.62	3.44				
wind		velocity	4.61	8.00	8.33	9.17	8.47	8.55			7.44		6.49	8.72				
Viken, Julie (NOR) (1997)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
C FINAL - 2015 Windsprint (Sundsvall, SWE) <i>(2015) - www.windsprint/Splittider/</i>																		
date	26-Jul-15	time				8.04		10.33		12.54	12.54	5 / 4						
reaction time		interval						2.29		2.21		# of strides						
wind	0.1 m/s	velocity				7.46		8.73		9.05	7.97							
Vlková, Natálie (CZE) (1998)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Heat 1 - 2014 Czech Republic National U18 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time	3.46		5.85		8.24		10.66		13.19	13.19	1 / 6					
reaction time	0.136	interval			2.39		2.39		2.42		2.53		# of strides					
wind	-1.7 m/s	velocity		5.78	8.37		8.37		8.26		7.91	7.58						
Visockaitė, Agnė (LTU) (1978)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Semi-Final 2 - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																		
date	07-Aug-02	time	3.18	4.23	5.25	7.26		9.31		11.44	11.44	/ 6						
reaction time	0.115	interval		1.05	1.02	2.01		2.05		2.13		# of strides	4.23	3.03				
wind	0.3 m/s	velocity		6.29	9.52	9.80	9.95	9.76		9.39	8.74		7.09	9.90				
Visser, Nadine (NED) (1995)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
B FINAL - Heat 1 - 2021 Athletissima (Lausanne, SUI) <i>Omega Timing (2021) - diamond league race analysis</i>																		
date	26-Aug-21	time	3.3		5.2	7.2		9.1		11.11	11.11	3 / 1						
reaction time	0.146	interval			1.90	2.00		1.90		2.01		# of strides						
wind	2.7 m/s	velocity		6.06	10.53	10.00		10.53		9.95	9.00							
Vitásková, Monika (CZE) (1985)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE) <i>Feher (2013) - Final report from the men's & women's Czech Republic national championships</i>																		
date	15-Jun-13	time	3.65		5.96	8.23		10.56		12.93	12.93	8 / 7						
reaction time	0.162	interval			2.31	2.27		2.33		2.37		# of strides						
wind	-1.3 m/s	velocity		5.48	8.66	8.81		8.58		8.44	7.73							
Vodičková, Pavla (CZE) (1996)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
Heat 1 - 2014 Czech Republic National U20 Championships (Trinec, CZE) <i>Feher (2014) - Final report from the U18 & U20 Czech Republic national championships</i>																		
date	28-Jun-14	time	3.62		5.97	8.24		10.55		12.93	12.93	6 / 4						
reaction time	0.340	interval			2.35	2.27		2.31		2.38		# of strides						
wind	-0.1 m/s	velocity		5.52	8.51	8.81		8.66		8.40	7.73							
Vögtle, Nadine (GER) (1994)																		
	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
FINAL - 2010 German National Youth Championships (Ulm, GER) <i>Graubner (2010) - http://www.fgs.uni-halle.de</i>																		
date	07-Aug-10	time	3.35	4.46	5.53	7.66		9.81		12.00	12.00	/ 5						
reaction time		interval		1.11	1.07	2.13		2.15		2.19		# of strides	4.46	3.20				
wind	-0.3 m/s	velocity		5.97	9.01	9.35	9.39	9.30		9.13	8.33		6.73	9.38				
Semi-Final 1 - 2010 German National Youth Championships (Ulm, GER) <i>Graubner (2010) - http://www.fgs.uni-halle.de</i>																		
date	07-Aug-10	time	3.36	4.47	5.55	7.65		9.75		11.92	11.92	/ 2						
reaction time		interval		1.11	1.08	2.10		2.10		2.17		# of strides	4.47	3.18				
wind	1.3 m/s	velocity		5.95	9.01	9.26	9.52	9.52		9.22	8.39		6.71	9.43				

Vollenweider, Rahel (SUI) (1989)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
Semi-Final 1 - 2016 Swiss National Indoor Championships (St. Gallen, SUI)																																
date			27-Feb-16	time		4.65		7.93				7.93		/ 7																		
reaction time			interval				3.28						# of strides		4.65	3.28																
			velocity		6.45		9.15						7.57		6.45	9.15																
Vomáčková, Monika (CZE) (1994)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)																																
date			15-Jun-13	time		3.54		5.84		8.11		10.46		12.82		12.82																
reaction time			0.192	interval				2.30		2.27		2.35		2.36		# of strides																
wind			-0.6 m/s	velocity		5.65		8.70		8.81		8.51		8.47		7.80																
Feher (2013) - Final report from the men's & women's Czech Republic national championships																																
Von Gerber, Alva (SWE) (2000)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
B FINAL - 2016 Windsprint (Sundsvall, SWE)																																
date			31-Jul-16	time		4.76		8.19				12.96		12.96		6 / 4																
reaction time			interval				3.43				4.77		# of strides		4.76	3.43																
wind			1.3 m/s	velocity		6.30		8.75				8.39		7.72		6.30	8.75															
(2016) - www.windsprint/Splittider/																																
Heat 2 - 2016 Windsprint (Sundsvall, SWE)																																
date			31-Jul-16	time		4.75		8.18				12.96		12.96		2 / 6																
reaction time			interval				3.43				4.78		# of strides		4.75	3.43																
wind			1.8 m/s	velocity		6.32		8.75				8.37		7.72		6.32	8.75															
(2016) - www.windsprint/Splittider/																																
Voronova, Natalya (RUS) (1965)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
FINAL - 1997 European Cup (Munich, GER)																																
date			21-Jun-97	time		2.08		4.28		7.23		9.20		11.18		11.18																
reaction time			interval				2.20		2.95		1.97		1.98		# of strides		4.28	2.95														
wind			0.6 m/s	velocity		4.81		4.67		10.17		10.15		10.10		8.94		7.01	10.17													
Jung (2003) - http://www.fgs.uni-halle.de																																
Pomoshnikova-Voronova, Natalya (URS) (1965)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
FINAL - 1988 Olympic Games (Seoul, KOR)																																
date			25-Sep-88	time		2.04		3.17		4.18		5.16		6.14		7.10		8.07		9.04		10.01		11.00		11.00		2 / 6				
reaction time			0.141	interval		1.13		1.01		0.98		0.98		0.96		0.97		0.97		0.97		0.97		0.99		# of strides		4.18	2.92	2.91		
wind			3.0 m/s	velocity		4.90		8.85		9.90		10.20		10.20		10.42		10.31		10.31		10.31		10.10		9.09		49.2		7.18	10.27	10.31
Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988																																
Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)																																
date			25-Sep-88	time		2.03		3.14		4.18		5.18		6.14		7.11		8.08		9.05		10.03		11.03		11.03		4 / 3				
reaction time			0.263	interval		1.11		1.04		1.00		0.96		0.97		0.97		0.97		0.98		1.00		# of strides		4.18	2.93	2.92				
wind			2.6 m/s	velocity		4.93		9.01		9.62		10.00		10.42		10.31		10.31		10.31		10.20		10.00		9.07		7.18		10.24	10.27	
Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988																																
Votinská, Barbora (CZE) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
Heat 2 - 2014 Czech Republic National U20 Championships (Trinec, CZE)																																
date			28-Jun-14	time		3.62		6.03		8.40		10.81		13.32		13.32		7 / 5														
reaction time			0.173	interval				2.41		2.37		2.41		2.51		# of strides																
wind			-3.2 m/s	velocity		5.52		8.30		8.44		8.30		7.97		7.51																
Feher (2014) - Final report from the U18 & U20 Czech Republic national championships																																
Wada, Maki (JPN) (1986)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m															
FINAL - 2020 World Athletics Trials (Fuji, JPN)																																
date			06-Sep-20	time		2.07		3.28		4.38		5.44		6.48		7.53		8.58		9.66		10.76		11.89		11.89		/ 4				
reaction time			interval		1.21		1.10		1.06		1.04		1.05		1.05		1.08		1.10		1.13		# of strides		4.38	3.15	3.23					
wind			1.4 m/s	velocity		4.83		8.26		9.09		9.43		9.62		9.52		9.52		9.26		9.09		8.85		8.41		6.85		9.52	9.29	
Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions																																
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)																																
date			05-Oct-19	time		4.39		6.53				11.96		11.96		9 / 8																
reaction time			0.159	interval				2.14				5.43		# of strides		4.39																
wind			1.1 m/s	velocity		6.83		3.06				9.21		8.36		53.5		6.83														
Enomoto (2019) - research on athlete performance and technique- 2019 data book																																
FINAL - 2019 Fuse Sprint (Tottori, JPN)																																
date			02-Jun-19	time		1.99		3.17		4.24		5.28		6.31		7.34		8.38		9.44		10.52		11.63		11.63		4 / 2				
reaction time			0.132	interval		1.18		1.07		1.04		1.03		1.03		1.04		1.06		1.08		1.11		# of strides		4.24	3.10	3.18				
wind			-2.2 m/s	velocity		5.03		8.47		9.35		9.62		9.71		9.71		9.62		9.43		9.26		9.01		8.60		53.4		7.08	9.68	9.43
Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan																																
FINAL - 2018 National Sports Festival (Fukui, JPN)																																
date			06-Oct-18	time		2.08		3.34		4.51		5.63		6.75		7.86		8.98		10.11		11.26		12.43		12.43		6 / 7				
reaction time			0.156	interval		1.26		1.17		1.12		1.12		1.11		1.12		1.13		1.15		1.17		# of strides		4.51	3.35	3.40				
wind			-2.8 m/s	velocity		4.81		7.94		8.55		8.93		8.93		9.01		8.93		8.85		8.70		8.55		8.05		55.1		6.65	8.96	8.82
Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan																																
FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)																																
date			23-Sep-18	time		2.01		3.21		4.31		5.38		6.43		7.49		8.56		9.65		10.76		11.90		11.90		7 / 5				
reaction time			0.138	interval		1.20		1.10		1.07		1.05		1.06		1.07		1.09		1.11		1.14		# of strides		4.31	3.18	3.27				
wind			-0.1 m/s	velocity		4.98		8.33		9.09		9.35		9.52		9.43		9.35		9.17		9.01		8.77		8.40		53.6		6.96	9.43	9.17
Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan																																

Heat 1 - 2017 Mikio Oda Memorial (Hiroshima, JPN)*Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

date	29-Apr-17	time	2.02	3.20	4.29	5.35	6.39	7.43	8.48	9.54	10.61	11.71	11.71	/ 3			
reaction time		interval		1.18	1.09	1.06	1.04	1.04	1.05	1.06	1.07	1.10		# of strides	4.29	3.14	3.18
wind	2.4 m/s	velocity	4.95	8.47	9.17	9.43	9.62	9.62	9.52	9.43	9.35	9.09	8.54	53.1	6.99	9.55	9.43

FINAL - 2016 Fuse Sprint (Tottori, JPN)*Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters*

date	05-Jun-16	time	2.05	3.21	4.28	5.34	6.38	7.43	8.48	9.56	10.65	11.77	11.77	/ 3			
reaction time		interval		1.16	1.07	1.06	1.04	1.05	1.05	1.08	1.09	1.12		# of strides	4.28	3.15	3.22
wind	0.7 m/s	velocity	4.88	8.62	9.35	9.43	9.62	9.52	9.52	9.26	9.17	8.93	8.50	55.8	7.01	9.52	9.32

Heat 3 - 2012 Japanese National Championships (Osaka, JPN)*Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

date	08-Jun-12	time	2.02	3.20	4.28	5.33	6.36	7.40	8.45	9.51	10.60	11.72	11.72	7 / 3			
reaction time		interval		1.18	1.08	1.05	1.03	1.04	1.05	1.06	1.09	1.12		# of strides	4.28	3.12	3.20
wind	2.2 m/s	velocity	4.95	8.47	9.26	9.52	9.71	9.62	9.52	9.43	9.17	8.93	8.53	53.7	7.01	9.62	9.38

Semi-Final 2 - 2009 Japanese National Championships (Hiroshima, JPN)*Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

date	28-Jun-09	time	2.04	3.20	4.28	5.32	6.36	7.40	8.44	9.50	10.58	11.68	11.68	4 / 2			
reaction time		interval		1.16	1.08	1.04	1.04	1.04	1.04	1.06	1.08	1.10		# of strides	4.28	3.12	3.18
wind	1.0 m/s	velocity	4.90	8.62	9.26	9.62	9.62	9.62	9.62	9.43	9.26	9.09	8.56	51.0	7.01	9.62	9.43

Wagner, Marion (GER) (1978)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2010 Sparkassen-Gala (Regensburg, GER)***Graubner (2010) - <http://www.fgs.uni-halle.de>*

date	05-Jun-10	time	3.33	4.38	5.39		7.41		9.45		11.56	11.56	/ 4				
reaction time		interval			1.05	1.01		2.02		2.04		2.11		# of strides	4.38	3.03	
wind	-0.4 m/s	velocity		6.01	9.52	9.90		9.90		9.80		9.48	8.65		6.85	9.90	

Heat 2 - 2010 Sparkassen-Gala (Regensburg, GER)*Graubner (2010) - <http://www.fgs.uni-halle.de>*

date	05-Jun-10	time	3.30	4.36	5.39		7.44		9.52		11.66	11.66	/ 1				
reaction time		interval			1.06	1.03		2.05		2.08		2.14		# of strides	4.36	3.08	
wind	-1.4 m/s	velocity		6.06	9.43	9.71		9.76		9.62		9.35	8.58		6.88	9.74	

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

date	16-Aug-09	time	3.30	4.36	5.38		7.42		9.46		11.64	11.64	7 / 8				
reaction time	0.155	interval			1.06	1.02		2.04		2.04		2.18		# of strides	4.36	3.06	
wind	-0.4 m/s	velocity		6.06	9.43	9.80		9.80		9.80		9.17	8.59		6.88	9.80	

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

date	16-Aug-09	time	3.24	4.29	5.31		7.34		9.36		11.49	11.49	5 / 3				
reaction time	0.118	interval			1.05	1.02		2.03		2.02		2.13		# of strides	4.29	3.05	
wind	0.1 m/s	velocity		6.17	9.52	9.80		9.85		9.90		9.39	8.70		6.99	9.84	

B FINAL - 2009 ISTAF (Berlin, GER)*Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	14-Jun-09	time	3.28	4.34	5.36		7.38		9.47		11.61	11.61	/ 5				
reaction time	0.177	interval			1.06	1.02		2.02		2.09		2.14		# of strides	4.34	3.04	
wind	0.1 m/s	velocity		6.10	9.43	9.80		9.90		9.57		9.35	8.61		6.91	9.87	

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

date	06-Aug-02	time	3.25	4.30	5.31		7.32		9.37		11.53	11.53	/ 5				
reaction time	0.150	interval			1.05	1.01		2.01		2.05		2.16		# of strides	4.30	3.02	
wind	0.1 m/s	velocity		6.15	9.52	9.90		9.95		9.76		9.26	8.67		6.98	9.93	

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

date	23-Jun-01	time	3.31	4.37	5.40		7.40		9.39		11.43	11.43	/ 1				
reaction time	0.234	interval			1.06	1.03		2.00		1.99		2.04		# of strides	4.37	3.03	
wind	1.8 m/s	velocity		6.04	9.43	9.71		10.00		10.05		9.80	8.75		6.86	9.90	

B FINAL - 2000 ISTAF (Berlin, GER)*Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	01-Sep-00	time	3.26	4.33	5.36		7.37				11.53	11.53	/ 2				
reaction time	0.183	interval			1.07	1.03		2.01				4.16		# of strides	4.33	3.04	
wind	0.1 m/s	velocity		6.13	9.35	9.71		9.95				9.62	8.67		6.93	9.87	

Waller, Hannah (USA) (2001)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****U20 FINAL - 2020 Millrose Games (New York, NY)***PrimeTime Timing (2020) - <http://results.nyrrmillrosegames.org/>*

date	08-Feb-20	time	2.23	3.38	4.46	5.53	6.59	7.63			7.63	7 / 5					
reaction time		interval		1.15	1.08	1.07	1.06	1.04						# of strides	4.46	3.17	
		velocity	4.48	8.70	9.26	9.35	9.43	9.62					7.86		6.73	9.46	

Wandick, Brushay (USA)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****B FINAL - 2008 Mikio Oda Memorial (Hiroshima, JPN)***Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

date	29-Apr-08	time	2.12	3.30	4.38	5.43	6.47	7.50	8.54	9.60	10.68	11.78	11.78	/ 2			
reaction time		interval		1.18	1.08	1.05	1.04	1.03	1.04	1.06	1.08	1.10	PB	# of strides	4.38	3.12	3.18
wind	1.5 m/s	velocity	4.72	8.47	9.26	9.52	9.62	9.71	9.62	9.43	9.26	9.09	8.49		6.85	9.62	9.43

Watanabe, Azusa (JPN) (1986)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 1 - 2008 Mikio Oda Memorial (Hiroshima, JPN)																	
Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles																	
date	29-Apr-08	time	2.00	3.18	4.27	5.33	6.38	7.43	8.50	9.58	10.68	11.79	11.79	/ 4			
reaction time		interval		1.18	1.09	1.06	1.05	1.05	1.07	1.08	1.10	1.11	PB	# of strides	4.27	3.16	3.25
wind	1.3 m/s	velocity	5.00	8.47	9.17	9.43	9.52	9.52	9.35	9.26	9.09	9.01	8.48		7.03	9.49	9.23
Watanabe, Hikaru (JPN) (1996)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 2 - 2017 National Sports Festival (Matsuyama, JPN)																	
Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season																	
date	07-Oct-17	time	2.10	3.29	4.35	5.40	6.44	7.48	8.53	9.60	10.70	11.81	11.81	/ 4			
reaction time	0.152	interval		1.19	1.06	1.05	1.04	1.04	1.05	1.07	1.10	1.11		# of strides	4.35	3.13	3.22
wind	0.5 m/s	velocity	4.76	8.40	9.43	9.52	9.62	9.62	9.52	9.35	9.09	9.01	8.47	50.9	6.90	9.58	9.32
Watanabe, Mayumi (JPN) (1983)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Heat 2 - 2015 Japanese National Championships (Niigata, JPN)																	
Matsuo (2015) - 2015 men's & women's 100m race analysis																	
date	27-Jun-15	time	2.09	3.25	4.32	5.36	6.40	7.46	8.52	9.61	10.72	11.86	11.86	5 / 2			
reaction time	0.215	interval		1.16	1.07	1.04	1.04	1.06	1.06	1.09	1.11	1.14		# of strides	4.32	3.14	3.26
wind	0.0 m/s	velocity	4.78	8.62	9.35	9.62	9.62	9.43	9.43	9.17	9.01	8.77	8.43	53.7	6.94	9.55	9.20
FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)																	
Matsuo (2015) - 2015 men's & women's 100m race analysis																	
date	19-Apr-15	time	2.08	3.25	4.33	5.37	6.39	7.43	8.48	9.54	10.63	11.74	11.74	3 / 2			
reaction time		interval		1.17	1.08	1.04	1.02	1.04	1.05	1.06	1.09	1.11		# of strides	4.33	3.10	3.20
wind	-0.2 m/s	velocity	4.81	8.55	9.26	9.62	9.80	9.62	9.52	9.43	9.17	9.01	8.52	53.5	6.93	9.68	9.38
Heat 1 - 2015 Mikio Oda Memorial (Hiroshima, JPN)																	
Matsuo (2015) - 2015 men's & women's 100m race analysis																	
date	19-Apr-15	time	2.03	3.19	4.26	5.29	6.33	7.36	8.42	9.50	10.60	11.73	11.73	6 / 2			
reaction time		interval		1.16	1.07	1.03	1.04	1.03	1.06	1.08	1.10	1.13		# of strides	4.26	3.10	3.24
wind	0.8 m/s	velocity	4.93	8.62	9.35	9.71	9.62	9.71	9.43	9.26	9.09	8.85	8.53	53.0	7.04	9.68	9.26
FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN)																	
Matsuo (2014) - research on athlete performance and technique- 2014 data book																	
date	11-May-14	time	2.06	3.21	4.27	5.30	6.32	7.37	8.42	9.50	10.60	11.73	11.73	8 / 7			
reaction time		interval		1.15	1.06	1.03	1.02	1.05	1.05	1.08	1.10	1.13		# of strides	4.27	3.10	3.23
wind	-0.8 m/s	velocity	4.85	8.70	9.43	9.71	9.80	9.52	9.52	9.26	9.09	8.85	8.53	51.5	7.03	9.68	9.29
Heat 3 - 2014 Miko Oda Memorial (Hiroshima, JPN)																	
Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race																	
date	29-Apr-14	time	2.11	3.25	4.30	5.31	6.31	7.33	8.36	9.41	10.50	11.62	11.62	4 / 2			
reaction time		interval		1.14	1.05	1.01	1.00	1.02	1.03	1.05	1.09	1.12		# of strides	4.30	3.03	3.17
wind	3.4 m/s	velocity	4.74	8.77	9.52	9.90	10.00	9.80	9.71	9.52	9.17	8.93	8.61	51.9	6.98	9.90	9.46
Heat 3 - 2012 Mikio Oda Memorial (Hiroshima, JPN)																	
Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013																	
date	29-Apr-12	time	2.08	3.23	4.28	5.29	6.30	7.31	8.33	9.36	10.43	11.51	11.51	3 / 2			
reaction time		interval		1.15	1.05	1.01	1.01	1.01	1.02	1.03	1.07	1.08		# of strides	4.28	3.03	3.12
wind	1.6 m/s	velocity	4.81	8.70	9.52	9.90	9.90	9.90	9.80	9.71	9.35	9.26	8.69	52.5	7.01	9.90	9.62
B FINAL - 2011 Miko Oda Memorial (Hiroshima, JPN)																	
Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride																	
date	29-Apr-11	time	2.05	3.19	4.25	5.27	6.28	7.29	8.32	9.38	10.47	11.59	11.59	4 / 1			
reaction time		interval		1.14	1.06	1.02	1.01	1.01	1.03	1.06	1.09	1.12		# of strides	4.25	3.04	3.18
wind	2.0 m/s	velocity	4.88	8.77	9.43	9.80	9.90	9.90	9.71	9.43	9.17	8.93	8.63	53.3	7.06	9.87	9.43
FINAL - 2010 Japanese National Championships (Marugame, JPN)																	
Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride																	
date	05-Jun-10	time	2.05	3.21	4.28	5.32	6.35	7.37	8.41	9.46	10.55	11.66	11.66	/ 3			
reaction time	0.148	interval		1.16	1.07	1.04	1.03	1.02	1.04	1.05	1.09	1.11		# of strides	4.28	3.09	3.18
wind	0.9 m/s	velocity	4.88	8.62	9.35	9.62	9.71	9.80	9.62	9.52	9.17	9.01	8.58	54.1	7.01	9.71	9.43
Heat 2 - 2009 Mikio Oda Memorial (Hiroshima, JPN)																	
Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season																	
date	29-Apr-09	time	2.07	3.21	4.26	5.26	6.25	7.23	8.23	9.25	10.27	11.31	11.31	5 / 1			
reaction time		interval		1.14	1.05	1.00	0.99	0.98	1.00	1.02	1.02	1.04		# of strides	4.26	2.97	3.04
wind	2.8 m/s	velocity	4.83	8.77	9.52	10.00	10.10	10.20	10.00	9.80	9.80	9.62	8.84	50.0	7.04	10.10	9.87
FINAL - 2008 Japanese National Championships (Kawasaki, JPN)																	
Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles																	
date	29-Jun-08	time	2.09	3.25	4.33	5.38	6.42	7.46	8.51	9.58	10.67	11.78	11.78	/ 3			
reaction time		interval		1.16	1.08	1.05	1.04	1.04	1.05	1.07	1.09	1.11		# of strides	4.33	3.13	3.21
wind	0.4 m/s	velocity	4.78	8.62	9.26	9.52	9.62	9.62	9.52	9.35	9.17	9.01	8.49		6.93	9.58	9.35
FINAL - 2008 Osaka Grand Prix (Osaka, JPN)																	
Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles																	
date	10-May-08	time	2.08	3.26	4.36	5.40	6.43	7.46	8.50	9.57	10.65	11.75	11.75	5 / 4			
reaction time		interval		1.18	1.10	1.04	1.03	1.03	1.04	1.07	1.08	1.10		# of strides	4.36	3.10	3.19
wind	1.2 m/s	velocity	4.81	8.47	9.09	9.62	9.71	9.71	9.62	9.35	9.26	9.09	8.51		6.88	9.68	9.40
FINAL - 2007 Japanese National Championships (Osaka, JPN)																	
Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles																	
date	30-Jun-07	time	2.03	3.20	4.26	5.31	6.35	7.40	8.47	9.57	10.69	11.86	11.86	/ 5			
reaction time		interval		1.17	1.06	1.05	1.04	1.05	1.07	1.10	1.12	1.17		# of strides	4.26	3.14	3.29

wind	0.0 m/s	velocity	4.93	8.55	9.43	9.52	9.62	9.52	9.35	9.09	8.93	8.55	8.43		7.04	9.55	9.12	
Watanabe, Misato (JPN) (1990)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)			<i>Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics data</i>															
date	30-Jul-08	time	2.15	3.34	4.44	5.50	6.55	7.60	8.66	9.73	10.82	11.93	11.93	/ 4				
reaction time		interval		1.19	1.10	1.06	1.05	1.05	1.06	1.07	1.09	1.11		# of strides	4.44	3.16	3.22	
wind	0.4 m/s	velocity	9.30	8.40	9.09	9.43	9.52	9.52	9.43	9.35	9.17	9.01	8.38		6.76	9.49	9.32	
Watanabe, Tae (JPN) (1991)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2007 Japanese National High School Championships (Saga, JPN)			<i>Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics data</i>															
date	03-Aug-07	time		3.28	4.38	5.44	6.50	7.56	8.63	9.70	10.78	11.91	11.91	2 / 3				
reaction time		interval			1.10	1.06	1.06	1.06	1.07	1.07	1.08	1.13		# of strides	4.38	3.18	3.22	
wind	1.3 m/s	velocity		6.10	9.09	9.43	9.43	9.43	9.35	9.35	9.26	8.85	8.40		6.85	9.43	9.32	
Weatherspoon, Alexis (USA) (1983)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>															
date	28-Jun-08	time	2.04	3.15	4.17	5.18	6.14	7.13	8.11	9.10	10.18	11.24	11.24	1 / 7				
reaction time		interval			1.11	1.02	1.01	0.96	0.99	0.98	0.99	1.08	1.06		# of strides	4.17	2.96	3.05
wind	3.2 m/s	velocity	4.90	9.01	9.80	9.90	10.42	10.10	10.20	10.10	9.26	9.43	8.90	47.2	7.19	10.14	9.84	
Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>															
date	27-Jun-08	time	2.06	3.17	4.16	5.15	6.12	7.12	8.08	9.04	10.07	11.08	11.08	2 / 5				
reaction time		interval			1.11	0.99	0.99	0.97	1.00	0.96	0.96	1.03	1.01	PB	# of strides	4.16	2.96	2.95
wind	0.7 m/s	velocity	4.85	9.01	10.10	10.10	10.31	10.00	10.42	10.42	9.71	9.90	9.03		7.21	10.14	10.17	
Heat 3 - 2008 USA Olympic Trials (Eugene, OR)			<i>USATF Women's Sprint Development with HPC (2008)</i>															
date	27-Jun-08	time	2.07	3.20	4.24	5.26	6.22	7.22	8.19	9.24	10.24	11.30	11.30	7 / 3				
reaction time		interval			1.13	1.04	1.02	0.96	1.00	0.97	1.05	1.00	1.06		# of strides	4.24	2.98	3.02
wind	1.1 m/s	velocity	4.83	8.85	9.62	9.80	10.42	10.00	10.31	9.52	10.00	9.43	8.85		7.08	10.07	9.93	
Semi-Final 2 - 2005 USATF National Championships (Carson, CA)			<i>USATF Women's Sprint Development (2005)</i>															
date	25-Jun-05	time	2.04	3.17	4.23	5.22	6.24	7.26	8.24	9.29	10.29	11.37	11.37	8 / 6				
reaction time		interval			1.13	1.06	0.99	1.02	1.02	0.98	1.05	1.00	1.08		# of strides	4.23	3.03	3.03
wind	2.1 m/s	velocity	4.90	8.85	9.43	10.10	9.80	9.80	10.20	9.52	10.00	9.26	8.80		7.09	9.90	9.90	
Heat 1 - 2005 USATF National Championships (Carson, CA)			<i>USATF Women's Sprint Development (2005)</i>															
date	24-Jun-05	time	2.05	3.20	4.27	5.34	6.36	7.40	8.41	9.49	10.56	11.64	11.64	6 / 5				
reaction time		interval			1.15	1.07	1.07	1.02	1.04	1.01	1.08	1.07	1.08		# of strides	4.27	3.13	3.16
wind	-2.0 m/s	velocity	4.88	8.70	9.35	9.35	9.80	9.62	9.90	9.26	9.35	9.26	8.59		7.03	9.58	9.49	
Wei Yongli (CHN) (1991)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)			<i>Jiang (2019) - data analysis of women's sprint finals in the world championships trials</i>															
date	02-Aug-19	time	2.08	3.19	4.24	5.25	6.24	7.23	8.24	9.26	10.31	11.38	11.38	5 / 2				
reaction time		interval			1.11	1.05	1.01	0.99	0.99	1.01	1.02	1.05	1.07		# of strides	4.24	2.99	3.08
wind	-1.2 m/s	velocity	4.81	9.01	9.52	9.90	10.10	10.10	9.90	9.80	9.52	9.35	8.79		7.08	10.03	9.74	
FINAL - 2018 Asian Games (Jakarta, INA)			<i>Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan</i>															
date	26-Aug-18	time	2.02	3.16	4.20	5.20	6.20	7.19	8.19	9.21	10.26	11.33	11.33	5 / 3				
reaction time	0.159	interval			1.14	1.04	1.00	1.00	0.99	1.00	1.02	1.05	1.07		# of strides	4.20	2.99	3.07
wind	0.3 m/s	velocity	4.95	8.77	9.62	10.00	10.00	10.10	10.00	9.80	9.52	9.35	8.83		49.3	7.14	10.03	
Heat 3 - 2017 National Grand Prix Final (Guiyang, CHN) (Altitude)			<i>Jiang (2017) CAA sport science report</i>															
date	25-Jun-17	time	1.91	3.04	4.09	5.10	6.09	7.08	8.08	9.06	10.07	11.12	11.32	/ 1				
reaction time		interval			1.13	1.05	1.01	0.99	0.99	1.00	0.98	1.01	1.05		# of strides	4.09	2.99	2.99
wind	0.5 m/s	velocity	5.24	8.85	9.52	9.90	10.10	10.10	10.00	10.20	9.90	9.52	8.83		49.0	7.33	10.03	
Weiss, Lena (SUI) (1994)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
National B FINAL - 2023 Weltklasse (Zürich, SUI)			<i>Omega Timing (2023) - diamond league race analysis</i>															
date	31-Aug-23	time	2.08	3.27	4.36	5.41	6.46	7.51	8.57	9.66	10.77	11.93	11.93	6 / 6				
reaction time	0.145	interval			1.19	1.09	1.05	1.05	1.05	1.06	1.09	1.11	1.16		# of strides	4.36	3.15	3.26
wind	-0.2 m/s	velocity	4.81	8.40	9.17	9.52	9.52	9.52	9.43	9.17	9.01	8.62	8.38		6.88	9.52	9.20	
B FINAL - Heat 3 - 2022 Athletissima (Lausanne, SUI)			<i>Omega Timing (2022) - diamond league race analysis</i>															
date	26-Aug-22	time		3.2		5.3		7.4		9.5		11.74	11.74	4 / 3				
reaction time		interval				2.10		2.10		2.10		2.24		# of strides				
wind	0.8 m/s	velocity		6.25		9.52		9.52		9.52		8.93	8.52					
FINAL - 2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)			<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>															
date	21-May-16	time					6.56					12.17	12.17	/ 3				
reaction time		interval										5.61		# of strides				
wind	-1.8m/s	velocity					7.62					8.91	8.22					

Whipple, Erica (USA) (1982)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 1 - 2005 USATF National Championships (Carson, CA)																	
<i>USATF Women's Sprint Development (2005)</i>																	
date	25-Jun-05	time	2.12	3.27	4.34	5.34	6.32	7.31	8.31	9.33	10.36	11.39	11.39	9 / 7			
reaction time		interval		1.15	1.07	1.00	0.98	0.99	1.00	1.02	1.03	1.03		# of strides	4.34	2.97	3.05
wind	3.0 m/s	velocity	4.72	8.70	9.35	10.00	10.20	10.10	10.00	9.80	9.71	9.71	8.78		6.91	10.10	9.84

Heat 1 - 2005 USATF National Championships (Carson, CA)

<i>USATF Women's Sprint Development (2005)</i>																	
date	24-Jun-05	time	2.17	3.32	4.40	5.44	6.43	7.45	8.46	9.51	10.54	11.61	11.61	4 / 4			
reaction time		interval		1.15	1.08	1.04	0.99	1.02	1.01	1.05	1.03	1.07		# of strides	4.40	3.05	3.09
wind	-2.0 m/s	velocity	4.61	8.70	9.26	9.62	10.10	9.80	9.90	9.52	9.71	9.35	8.61		6.82	9.84	9.71

White, Kayla (USA) (1996)

FINAL - 2022 FBK Games (Hengelo, NED)																	
<i>Omega Timing (2022) - continental tour race analysis</i>																	
date	06-Jun-22	time	3.1		5.1		7.1		9.2		11.31		11.31	7 / 4			
reaction time	0.119	interval			2.00		2.00		2.10		2.11			# of strides			
wind	0.8 m/s	velocity	6.45		10.00		10.00		9.52		9.48		8.84	49.0			

National FINAL - 2021 Bauhaus Galan (Stockholm, SWE)

<i>Omega Timing (2021) - diamond league race analysis</i>																	
date	04-Jul-21	time	3.2		5.2		7.2		9.2		11.23		11.23	4 / 1			
reaction time	0.149	interval			2.00		2.00		2.00		2.03			# of strides			
wind	-1.3 m/s	velocity	6.25		10.00		10.00		10.00		9.85		8.90	48.0			

FINAL - 2020 Golden Gala Pietro Mennea (Rome, ITA)

<i>Omega Timing (2020) - diamond league race analysis</i>																	
date	17-Sep-20	time	3.2		5.2		7.2		9.3		11.27		11.27	3 / 6			
reaction time	0.147	interval			2.00		2.00		2.10		1.97			# of strides			
wind	0.2 m/s	velocity	6.25		10.00		10.00		9.52		10.15		8.87	48.5			

White, Kelli (USA) (1977)

FINAL - 2003 USATF National Championships (Palo Alto, CA)																	
<i>USATF Women's Sprint Development (2003)</i>																	
date	20-Jun-03	time	2.04	3.12	4.15	5.09	6.09	7.03	7.98	8.93	9.93	10.93	10.93	5 / 1			
reaction time		interval		1.08	1.03	0.94	1.00	0.94	0.95	0.95	1.00	1.00	DV	# of strides	4.15	2.88	2.90
wind	-1.1 m/s	velocity	4.90	9.26	9.71	10.64	10.00	10.64	10.53	10.53	10.00	10.00	9.15		7.23	10.42	10.34

FINAL - 2001 ISTAF (Berlin, GER)

<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>																	
date	31-Aug-01	time	3.19	4.22	5.21		7.19		9.19		11.25		11.25	1 / 3			
reaction time	0.153	interval		1.03	0.99		1.98		2.00		2.06		DV	# of strides	4.22	2.97	
wind	0.5 m/s	velocity	6.27	9.71	10.10		10.10		10.00		9.71		8.89		7.11	10.10	

FINAL - 1999 NCAA Indoor Championships (Indianapolis, IN)

<i>Winckler (2008) - running parameters</i>																	
date	06-Mar-99	time		4.28			7.42						7.42	2 / 5			
reaction time		interval					3.14							# of strides	4.28	3.14	
		velocity		7.01			9.55						8.09	31	7.01	9.55	

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

<i>USATF Women's Sprint Development (1996)</i>																	
date	28-Jun-96	time	2.08		4.41		6.35	7.40			10.56	11.77	11.77	2 / 7			
reaction time		interval			2.33		1.94	1.05			3.16	1.21		# of strides	4.41	2.99	3.16
wind	0.5 m/s	velocity	4.81		8.58		10.31	9.52			9.49	8.26	8.50		6.80	10.03	9.49

White, Lakesha (USA) (1980)

FINAL - 1996 USATF National Junior Championships (Delaware, OH)																	
<i>USATF Women's Sprint Development (1996)</i>																	
date	28-Jun-96	time	2.17		4.39		6.29	7.27			10.36	11.56	11.56	5 / 2			
reaction time		interval			2.22		1.90	0.98			3.09	1.20		# of strides	4.39	2.88	3.09
wind	0.5 m/s	velocity	4.61		9.01		10.53	10.20			9.71	8.33	8.65		6.83	10.42	9.71

Whittaker, Ashleigh (AUS) (1993)

FINAL - 2014 Seiko Golden Grand Prix (Tokyo, JPN)																	
<i>Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race</i>																	
date	11-May-14	time	2.10	3.25	4.33	5.36	6.37	7.40	8.44	9.48	10.54	11.62	11.62	1 / 4			
reaction time		interval		1.15	1.08	1.03	1.01	1.03	1.04	1.04	1.06	1.08		# of strides	4.33	3.07	3.14
wind	-0.8 m/s	velocity	4.76	8.70	9.26	9.71	9.90	9.71	9.62	9.62	9.43	9.26	8.61	49.0	6.93	9.77	9.55

Whyte, Natalliah (JAM) (1997)

FINAL - 2022 Commonwealth Games (Birmingham, GBR)																	
<i>Longines Timing (2022) - commonwealth games race analysis</i>																	
date	03-Aug-22	time	3.1		5.2		7.2		9.2		11.32		11.32	1 / 8			
reaction time	0.154	interval			2.10		2.00		2.00		2.12			# of strides			
wind	0.4 m/s	velocity	6.45		9.52		10.00		10.00		9.43		8.83	49.2			

FINAL - 2019 Meeting de Paris (Paris, FRA)

<i>Omega Timing (2019) - diamond league race analysis</i>																	
date	24-Aug-19	time				6.2					11.25		11.25	8 / 8			
reaction time	0.137	interval									5.05			# of strides			
wind	-0.2 m/s	velocity				8.06					9.90		8.89	48.5			

Williams, Angela (USA) (1980)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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FINAL - 2008 USA Olympic Trials (Eugene, OR)

date	28-Jun-08	time	2.03	3.10	4.12	5.11	6.05	7.00	7.97	8.97	9.94	11.02	11.02	1 / 6			
reaction time		interval		1.07	1.02	0.99	0.94	0.95	0.97	1.00	0.97	1.08	PB	# of strides	4.12	2.88	2.94
wind	1.0 m/s	velocity	4.93	9.35	9.80	10.10	10.64	10.53	10.31	10.00	10.31	9.26	9.07	49.2	7.28	10.42	10.20

USATF Women's Sprint Development with HPC (2008)**Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**

date	28-Jun-08	time	2.00	3.10	4.11	5.11	6.02	6.99	7.91	8.89	9.89	10.92	10.92	2 / 4			
reaction time		interval		1.10	1.01	1.00	0.91	0.97	0.92	0.98	1.00	1.03		# of strides	4.11	2.88	2.90
wind	3.2 m/s	velocity	5.00	9.09	9.90	10.00	10.99	10.31	10.87	10.20	10.00	9.71	9.16	49.0	7.30	10.42	10.34

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

date	27-Jun-08	time	2.07	3.18	4.18	5.14	6.14	7.06	8.04	9.08	10.02	11.06	11.06	6 / 3			
reaction time		interval		1.11	1.00	0.96	1.00	0.92	0.98	1.04	0.94	1.04		# of strides	4.18	2.88	2.96
wind	0.7 m/s	velocity	4.83	9.01	10.00	10.42	10.00	10.87	10.20	9.62	10.64	9.62	9.04		7.18	10.42	10.14

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

date	27-Jun-08	time	2.02	3.17	4.19	5.14	6.14	7.13	8.12	9.14	10.19	11.26	11.26	8 / 2			
reaction time		interval		1.15	1.02	0.95	1.00	0.99	0.99	1.02	1.05	1.07		# of strides	4.19	2.94	3.06
wind	1.1 m/s	velocity	4.95	8.70	9.80	10.53	10.00	10.10	10.10	9.80	9.52	9.35	8.88		7.16	10.20	9.80

FINAL - 2005 USATF National Championships (Carson, CA)

date	25-Jun-05	time	2.03	3.17	4.24	5.29	6.29	7.34	8.36	9.44	10.53	11.66	11.66	3 / 9			
reaction time		interval		1.14	1.07	1.05	1.00	1.05	1.02	1.08	1.09	1.13		# of strides	4.24	3.10	3.19
wind	-1.6 m/s	velocity	4.93	8.77	9.35	9.52	10.00	9.52	9.80	9.26	9.17	8.85	8.58	52.0	7.08	9.68	9.40

USATF Women's Sprint Development (2005)**Semi-Final 1 - 2005 USATF National Championships (Carson, CA)**

date	25-Jun-05	time	2.02	3.14	4.15	5.14	6.14	7.13	8.11	9.15	10.17	11.25	11.25	3 / 4			
reaction time		interval		1.12	1.01	0.99	1.00	0.99	0.98	1.04	1.02	1.08		# of strides	4.15	2.98	3.04
wind	3.0 m/s	velocity	4.95	8.93	9.90	10.10	10.00	10.10	10.20	9.62	9.80	9.26	8.89		7.23	10.07	9.87

USATF Women's Sprint Development (2005)**Heat 1 - 2005 USATF National Championships (Carson, CA)**

date	24-Jun-05	time	2.04	3.18	4.24	5.28	6.31	7.36	8.37	9.44	10.54	11.64	11.64	7 / 6			
reaction time		interval		1.14	1.06	1.04	1.03	1.05	1.01	1.07	1.10	1.10		# of strides	4.24	3.12	3.18
wind	-2.0 m/s	velocity	4.90	8.77	9.43	9.62	9.71	9.52	9.90	9.35	9.09	9.09	8.59		7.08	9.62	9.43

USATF Women's Sprint Development (2005)**FINAL - 2004 USA Olympic Trials (Sacramento, CA)**

date	10-Jul-04	time	2.03	3.12	4.15	5.16	6.13	7.14	8.10	9.13	10.17	11.22	11.22	2 / 7 5			
reaction time	0.137	interval		1.09	1.03	1.01	0.97	1.01	0.96	1.03	1.04	1.05		# of strides	4.15	2.99	3.03
wind	0.1 m/s	velocity	4.93	9.17	9.71	9.90	10.31	9.90	10.42	9.71	9.62	9.52	8.91	51.0	7.23	10.03	9.90

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

date	10-Jul-04	time	2.04	3.14	4.17	5.16	6.11	7.12	8.08	9.09	10.11	11.16	11.16	1 / 3 2			
reaction time		interval		1.10	1.03	0.99	0.95	1.01	0.96	1.01	1.02	1.05		# of strides	4.17	2.95	2.99
wind	-0.1 m/s	velocity	4.90	9.09	9.71	10.10	10.53	9.90	10.42	9.90	9.80	9.52	8.96	51.0	7.19	10.17	10.03

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

date	09-Jul-04	time	2.09	3.21	4.23	5.22	6.19	7.20	8.22	9.23	10.34	11.47	11.47	4 / 3 2			
reaction time		interval		1.12	1.02	0.99	0.97	1.01	1.02	1.01	1.11	1.13		# of strides	4.23	2.97	3.14
wind	-1.6 m/s	velocity	4.78	8.93	9.80	10.10	10.31	9.90	9.80	9.90	9.01	8.85	8.72	51.2	7.09	10.10	9.55

USATF Women's Sprint Development (2004)**FINAL - 2003 USATF National Championships (Palo Alto, CA)**

date	20-Jun-03	time	2.04	3.14	4.19	5.17	6.16	7.14	8.14	9.14	10.21	11.23	11.23	3 / 6 4			
reaction time		interval		1.10	1.05	0.98	0.99	0.98	1.00	1.00	1.07	1.02		# of strides	4.19	2.95	3.07
wind	-1.1 m/s	velocity	4.90	9.09	9.52	10.20	10.10	10.20	10.00	10.00	9.35	9.80	8.90		7.16	10.17	9.77

USATF Women's Sprint Development (2003)**Williams, Bianca (GBR) (1993)**

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 Müller Grand Prix (Birmingham, GBR)																	
date	18-Aug-19	time		3.4		5.5		7.5		9.6		11.77	11.77	2 / 8			
reaction time	0.164	interval				2.1		2.0		2.1		2.17		# of strides			
wind	-0.9 m/s	velocity		5.88		9.52		10.00		9.52		9.22	8.50	53.0			

Omega Timing (2019) - diamond league race analysis**Williams, Brianna (JAM) (2002)**

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)																	
date	06-Aug-22	time		3.10		5.09		7.03		9.02		11.11	11.11	2 / 5			
reaction time	0.144	interval				1.99		1.94		1.99		2.09		# of strides			
wind	0.5 m/s	velocity		6.45		10.05		10.31		10.05		9.57	9.00	51.0			

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

date	28-May-22	time		3.12		5.14		7.09		9.08		11.20	11.20	1 / 9			
reaction time	0.154	interval				2.02		1.95		1.99		2.12		# of strides			
wind	0.7 m/s	velocity		6.41		9.90		10.26		10.05		9.43	8.93	51.0			

Omega Timing (2022) - diamond league race analysis

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

date	21-Aug-21	time	3.1	5.1	7.1	9.0	11.09	11.09	9 / 8
reaction time	0.138	interval		2.00	2.00	1.90	2.09		# of strides
wind	0.9 m/s	velocity	6.45	10.00	10.00	10.53	9.57	9.02	50.0

FINAL - 2020 Millrose Games (New York, NY)*PrimeTime Timing (2020) - <http://results.nyrrmillrosegames.org/>*

date	08-Feb-20	time	2.15	3.23	4.23	5.23	6.21	7.18	7.18	6 / 3
reaction time	0.176	interval		1.08	1.00	1.00	0.98	0.97	NJR PB	# of strides
		velocity	4.65	9.26	10.00	10.00	10.20	10.31	8.36	4.23 2.95
										31.7 7.09 10.17

Williams, Charonda (USA) (1987)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)***Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

date	21-May-17	time	2.07	3.24	4.30	5.32	6.33	7.34	8.36	9.38	10.41	11.49	11.49	7 / 4
reaction time	0.159	interval		1.17	1.06	1.02	1.01	1.01	1.02	1.02	1.03	1.08		# of strides
wind	0.8 m/s	velocity	4.83	8.55	9.43	9.80	9.90	9.90	9.80	9.80	9.71	9.26	8.70	50.1
														4.30 3.04 3.07
														6.98 9.87 9.77

Williams, Christania (JAM) (1994)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****A FINAL - 2015 Windsprint (Sundsvall, SWE)***(2015) - www.windsprint/splittider/*

date	26-Jul-15	time		4.26		7.29		9.33		11.43		11.43		4 / 1
reaction time		interval				3.03		2.04		2.10				# of strides
wind	0.9 m/s	velocity		7.04		9.90		9.80		9.52		8.75		7.04 9.90

A FINAL - 2014 Windsprint (Sundsvall, SWE)*(2014) - www.ssg.se/windsprint/splittider/*

date	20-Jul-14	time		4.20		7.17		9.16		11.24		11.24		3 / 1
reaction time		interval				2.97		1.99		2.08				# of strides
wind	1.2 m/s	velocity		7.14		10.10		10.05		9.62		8.90		7.14 10.10

Williams, Diane (USA) (1960)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 1987 IAAF World Championships (Rome, ITA)***Ward-Smith (2000) - Energy conversion rates during sprinting with an emphasis on the performance of female athletes*

date	30-Aug-87	time	2.08	3.20	4.24	5.24	6.21	7.15	8.11	9.07	10.07	11.07	11.07	2 / 4
reaction time	0.240	interval		1.12	1.04	1.00	0.97	0.94	0.96	0.96	1.00	1.00		# of strides
wind	-0.5 m/s	velocity	4.81	8.93	9.62	10.00	10.31	10.64	10.42	10.42	10.00	10.00	9.03	50.2
														4.24 2.91 2.92
														7.08 10.31 10.27

Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	30-Aug-87	time		4.26		7.18				11.07		11.07		4 / 3
reaction time		interval				2.92				3.89				# of strides
wind	0.7 m/s	velocity		7.04		10.27				10.28		9.03		50.0
														4.26 2.92
														7.04 10.27

Quarter-Final 3 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	29-Aug-87	time		4.17		7.14				11.21		11.21		5 / 1
reaction time		interval				2.97				4.07				# of strides
wind	-1.6 m/s	velocity		7.19		10.10				9.83		8.92		51.2
														4.17 2.97
														7.19 10.10

Heat 7 - 1987 IAAF World Championships (Rome, ITA)*Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

date	29-Aug-87	time		4.23		7.21				11.22		11.22		6 / 1
reaction time		interval				2.98				4.01				# of strides
wind	-0.6 m/s	velocity		7.09		10.07				9.98		8.91		51.0
														4.23 2.98
														7.09 10.07

FINAL - 1983 IAAF World Championships (Helsinki, FIN)*Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*

date	08-Aug-83	time		3.12		5.16	6.16	7.13	8.13	9.11		11.06	11.06	6 / 3
reaction time	0.177	interval				2.04	1.00	0.97	1.00	0.98		1.95		# of strides
wind	-0.5 m/s	velocity		6.41		9.80	10.00	10.31	10.00	10.20		10.26	9.04	49.5

Williams, Lauryn (USA) (1983)**10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m****FINAL - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	17-Aug-09	time		3.14	4.15	5.13		7.08		9.00		11.01	11.01	8 / 5
reaction time	0.158	interval			1.01	0.98		1.95		1.92		2.01		# of strides
wind	0.1 m/s	velocity		6.37	9.90	10.20		10.26		10.42		9.95	9.08	52.5
														4.15 2.93
														7.23 10.24

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

date	17-Aug-09	time		3.17	4.18	5.16		7.11		9.02		11.01	11.01	5 / 3
reaction time	0.148	interval			1.01	0.98		1.95		1.91		1.99		# of strides
wind	-0.1 m/s	velocity		6.31	9.90	10.20		10.26		10.47		10.05	9.08	7.18 10.24

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

date	16-Aug-09	time		3.14	4.15	5.13		7.08		9.00		11.06	11.06	5 / 1
reaction time	0.164	interval			1.01	0.98		1.95		1.92		2.06		# of strides
wind	0.8 m/s	velocity		6.37	9.90	10.20		10.26		10.42		9.71	9.04	51.5
														4.15 2.93
														7.23 10.24

Heat 7 - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	16-Aug-09	time		3.26	4.29	5.29		7.27		9.24		11.36	11.36	3 / 1
reaction time	0.206	interval			1.03	1.00		1.98		1.97		2.12		# of strides
														4.29 2.98

wind	-0.5 m/s	velocity	6.13	9.71	10.00		10.10		10.15		9.43	8.80		6.99	10.07
FINAL - 2008 IAAF World Athletics Final (Stuttgart, GER)													Graubner (2009) - http://www.fgs.uni-halle.de		
date	14-Sep-08	time	3.20	4.23	5.23	6.21	7.22	8.19	9.18		11.22	11.22	4 / 6		
reaction time	0.154	interval		1.03	1.00	0.98	1.01	0.97	0.99		2.04		# of strides	4.23	2.99
wind	0.3 m/s	velocity	6.25	9.71	10.00	10.20	9.90	10.31	10.10		9.80	8.91		7.09	10.03
FINAL - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)		
date	28-Jun-08	time	2.06	3.15	4.15	5.13	6.06	6.99	7.94	8.91	9.88	10.90	10.90	2 / 3	
reaction time		interval		1.09	1.00	0.98	0.93	0.93	0.95	0.97	0.97	1.02		# of strides	4.15 2.84 2.89
wind	1.0 m/s	velocity	4.85	9.17	10.00	10.20	10.75	10.75	10.53	10.31	10.31	9.80	9.17	52.0	7.23 10.56 10.38
Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)		
date	28-Jun-08	time	2.09	3.19	4.20	5.16	6.09	7.05	7.96	8.94	9.95	10.92	10.92	5 / 3	
reaction time		interval		1.10	1.01	0.96	0.93	0.96	0.91	0.98	1.01	0.97		# of strides	4.20 2.85 2.90
wind	3.2 m/s	velocity	4.78	9.09	9.90	10.42	10.75	10.42	10.99	10.20	9.90	10.31	9.16	51.0	7.14 10.53 10.34
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)		
date	27-Jun-08	time	2.11	3.16	4.16	5.13	6.04	6.97	7.94	8.87	9.84	10.86	10.86	5 / 2	
reaction time		interval		1.05	1.00	0.97	0.91	0.93	0.97	0.93	0.97	1.02		# of strides	4.16 2.81 2.87
wind	3.4 m/s	velocity	4.74	9.52	10.00	10.31	10.99	10.75	10.31	10.75	10.31	9.80	9.21	7.21	10.68 10.45
Heat 1 - 2008 USA Olympic Trials (Eugene, OR)													USATF Women's Sprint Development with HPC (2008)		
date	27-Jun-08	time	2.07	3.16	4.17	5.16	6.12	7.08	8.03	9.03	10.02	11.03	11.03	4 / 2	
reaction time		interval		1.09	1.01	0.99	0.96	0.96	0.95	1.00	0.99	1.01		# of strides	4.17 2.91 2.94
wind	1.8 m/s	velocity	4.83	9.17	9.90	10.10	10.42	10.42	10.53	10.00	10.10	9.90	9.07	7.19	10.31 10.20
FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)													Graubner (2007) - http://www.fgs.uni-halle.de		
date	23-Sep-07	time	3.21	4.24	5.24		7.22		9.23			11.31	11.31	5 / 5	
reaction time	0.136	interval		1.03	1.00		1.98		2.01			2.08		# of strides	4.24 2.98
wind	-0.6 m/s	velocity	6.23	9.71	10.00		10.10		9.95			9.62	8.84		7.08 10.07
FINAL - 2007 IAAF World Championships (Osaka, JPN)													Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data		
date	27-Aug-07	time	2.01	3.13	4.13	5.10	6.06	7.03	8.00	8.98	9.99	11.01	11.01	4 / 2	
reaction time	0.145	interval		1.12	1.00	0.97	0.96	0.97	0.97	0.98	1.01	1.02		# of strides	4.13 2.90 2.96
wind	-0.2 m/s	velocity	4.98	8.93	10.00	10.31	10.42	10.31	10.31	10.20	9.90	9.80	9.08	52.5	7.26 10.34 10.14
FINAL - 2007 Osaka Grand Prix (Osaka, JPN)													Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles		
date	05-May-07	time	2.04	3.19	4.23	5.24	6.23	7.23	8.24	9.28	10.34	11.44	11.44	/ 2	
reaction time		interval		1.15	1.04	1.01	0.99	1.00	1.01	1.04	1.06	1.10		# of strides	4.23 3.00 3.11
wind	0.7 m/s	velocity	4.90	8.70	9.62	9.90	10.10	10.00	9.90	9.62	9.43	9.09	8.74	7.09	10.00 9.65
FINAL - 2006 USATF National Championships (Indianapolis, IN)													USATF Women's Sprint Development (2006)		
date	23-Jun-06	time	2.09	3.20	4.20	5.19	6.16	7.14	8.11	9.11	10.14	11.17	11.17	8 / 2 1	
reaction time		interval		1.11	1.00	0.99	0.97	0.98	0.97	1.00	1.03	1.03		# of strides	4.20 2.94 3.00
wind	-0.9 m/s	velocity	4.78	9.01	10.00	10.10	10.31	10.20	10.31	10.00	9.71	9.71	8.95	53.0	7.14 10.20 10.00
FINAL - 2005 USATF National Championships (Carson, CA)													USATF Women's Sprint Development (2005)		
date	25-Jun-05	time	2.05	3.20	4.24	5.25	6.24	7.22	8.21	9.21	10.24	11.29	11.29	1 / 3	
reaction time		interval		1.15	1.04	1.01	0.99	0.98	0.99	1.00	1.03	1.05		# of strides	4.24 2.98 3.02
wind	-1.6 m/s	velocity	4.88	8.70	9.62	9.90	10.10	10.20	10.10	10.00	9.71	9.52	8.86	54.0	7.08 10.07 9.93
Semi-Final 1 - 2005 USATF National Championships (Carson, CA)													USATF Women's Sprint Development (2005)		
date	25-Jun-05	time	2.07	3.16	4.17	5.16	6.11	7.08	8.04	9.04	10.03	11.05	11.05	7 / 3	
reaction time		interval		1.09	1.01	0.99	0.95	0.97	0.96	1.00	0.99	1.02		# of strides	4.17 2.91 2.95
wind	3.0 m/s	velocity	4.83	9.17	9.90	10.10	10.53	10.31	10.42	10.00	10.10	9.80	9.05	7.19	10.31 10.17
Heat 2 - 2005 USATF National Championships (Carson, CA)													USATF Women's Sprint Development (2005)		
date	24-Jun-05	time	2.08	3.22	4.29	5.29	6.29	7.27	8.22	9.26	10.28	11.33	11.33	7 / 2	
reaction time		interval		1.14	1.07	1.00	1.00	0.98	0.95	1.04	1.02	1.05		# of strides	4.29 2.98 3.01
wind	-0.7 m/s	velocity	4.81	8.77	9.35	10.00	10.00	10.20	10.53	9.62	9.80	9.52	8.83	6.99	10.07 9.97
FINAL - 2004 USA Olympic Trials (Sacramento, CA)													USATF Women's Sprint Development (2004)		
date	10-Jul-04	time	2.08	3.21	4.23	5.22	6.17	7.16	8.13	9.10	10.08	11.10	11.10	5 / 3 2	
reaction time	0.211	interval		1.13	1.02	0.99	0.95	0.99	0.97	0.97	0.98	1.02		# of strides	4.23 2.93 2.92
wind	0.1 m/s	velocity	4.81	8.85	9.80	10.10	10.53	10.10	10.31	10.31	10.20	9.80	9.01	52.7	7.09 10.24 10.27
Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)													USATF Women's Sprint Development (2004)		
date	10-Jul-04	time	2.12	3.24	4.26	5.24	6.22	7.20	8.15	9.14	10.13	11.14	11.14	6 / 2 1	
reaction time		interval		1.12	1.02	0.98	0.98	0.98	0.95	0.99	0.99	1.01		# of strides	4.26 2.94 2.93
wind	-0.1 m/s	velocity	4.72	8.93	9.80	10.20	10.20	10.20	10.53	10.10	10.10	9.90	8.98	52.7	7.04 10.20 10.24

Quarter-Final 4 - 2004 USA Olympic Trials (Sacramento, CA)

USATF Women's Sprint Development (2004)

date	09-Jul-04	time	2.11	3.17	4.22	5.22	6.16	7.12	8.07	9.08	10.09	11.13	11.13	4 / 1			
reaction time		interval		1.06	1.05	1.00	0.94	0.96	0.95	1.01	1.01	1.04		# of strides	4.22	2.90	2.97
wind	-0.8 m/s	velocity	4.74	9.43	9.52	10.00	10.64	10.42	10.53	9.90	9.90	9.62	8.98	53.2	7.11	10.34	10.10

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

USATF Women's Sprint Development (2003)

date	20-Jun-03	time	2.17	3.29	4.35	5.35	6.34	7.31	8.30	9.31	10.33	11.34	11.34	2 / 7 5			
reaction time		interval		1.12	1.06	1.00	0.99	0.97	0.99	1.01	1.02	1.01		# of strides	4.35	2.96	3.02
wind	-1.1 m/s	velocity	4.61	8.93	9.43	10.00	10.10	10.31	10.10	9.90	9.80	9.90	8.82		6.90	10.14	9.93

Williamson, Trudy Ann (JAM) (1997)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2020 Millrose Games (New York, NY)PrimeTime Timing (2020) - <http://results.nyrrmillrosegames.org/>

date	08-Feb-20	time	2.10	3.22	4.26	5.30	6.32	7.37		7.37	8 / 8						
reaction time	0.135	interval		1.12	1.04	1.04	1.02	1.05		=PB	# of strides	4.26	3.11				
wind		velocity	4.76	8.93	9.62	9.62	9.80	9.52		8.14	32.2	7.04	9.65				

Wilson, Kenyanna (USA) (1988)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2006 USATF National Junior Championships (Indianapolis, IN)

USATF Women's Sprint Development (2006)

date	22-Jun-06	time	2.10	3.24	4.28	5.29	6.26	7.24	8.26	9.26	10.30	11.37	11.37	5 / 6			
reaction time		interval		1.14	1.04	1.01	0.97	0.98	1.02	1.00	1.04	1.07	=PB	# of strides	4.28	2.96	3.06
wind	1.2 m/s	velocity	4.76	8.77	9.62	9.90	10.31	10.20	9.80	10.00	9.62	9.35	8.80		7.01	10.14	9.80

Wisil, Toea (PNG) (1988)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season

date	21-May-17	time	2.05	3.21	4.27	5.31	6.32	7.35	8.39	9.42	10.47	11.58	11.58	1 / 5			
reaction time	0.160	interval		1.16	1.06	1.04	1.01	1.03	1.04	1.03	1.05	1.11		# of strides	4.27	3.08	3.12
wind	0.8 m/s	velocity	4.88	8.62	9.43	9.62	9.90	9.71	9.62	9.71	9.52	9.01	8.64	54.5	7.03	9.74	9.62

Wöckel, Bärbel (GDR) (1955)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 1982 East German National Championships (Dresden, GDR)

Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 81/84

date	01-Jul-82	time		4.21			7.10		9.02		10.95		10.95	1 / 2			
reaction time		interval					2.89		1.92		1.93		PB	# of strides	4.21	2.89	
wind	1.0 m/s	velocity		7.13			10.38		10.42		10.36		9.13		7.13	10.38	

FINAL - 1980 East German Olympic Test Meeting (East Berlin, GDR)

Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 81/84

date	09-Jul-80	time		4.32			7.27		9.26		11.24		11.24	1 / 2			
reaction time		interval					2.95		1.99		1.98			# of strides	4.32	2.95	
wind	2.0 m/s	velocity		6.94			10.17		10.05		10.10		8.90		6.94	10.17	

Wright, Jernae (USA) (1978)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

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

USATF Women's Sprint Development (1996)

date	28-Jun-96	time	2.13	4.39		6.30	7.30			10.35	11.54	11.54		6 / 1			
reaction time		interval		2.26		1.91	1.00			3.05	1.19			# of strides	4.39	2.91	3.05
wind	0.5 m/s	velocity	4.69	8.85		10.47	10.00			9.84	8.40	8.67			6.83	10.31	9.84

Yamada, Eri (JPN) (1993)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)

Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics

date	04-Aug-11	time			6.61	7.68	8.76	9.87	11.02	12.19	12.19			4 / 8			
reaction time		interval				1.07	1.08	1.11	1.15	1.17				# of strides			3.34
wind	-1.0 m/s	velocity			7.56	9.35	9.26	9.01	8.70	8.55	8.20						8.98

FINAL - 2010 Japanese National High School Championships (Okinawa, JPN)

Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics

date	30-Jul-10	time	2.17	3.40		5.67	6.79	7.93	9.08	10.23	11.40	12.64	12.64	2 / 8			
reaction time		interval		1.23		2.27	1.12	1.14	1.15	1.15	1.17	1.24		# of strides			3.41
wind	-3.2 m/s	velocity	4.61	8.13		8.81	8.93	8.77	8.70	8.70	8.55	8.06	7.91				8.80

Yamagata, Aiha (JPN) (2005)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2022 Japanese National High School Championships (Naruto, JPN)

Kishima (2022) - national high school championships biomechanics data collection

date	04-Aug-22	time	2.15	3.37	4.47	5.54	6.60	7.67	8.75	9.84	10.96	12.08	12.08	3 / 7			
reaction time	0.215	interval		1.22	1.10	1.07	1.06	1.07	1.08	1.09	1.12	1.12		# of strides	4.47	3.20	3.29
wind	-0.6 m/s	velocity	4.65	8.20	9.09	9.35	9.43	9.35	9.26	9.17	8.93	8.93	8.28	57.0	6.71	9.38	9.12

Yamakoshi, Riko (JPN) (2004)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

U18 FINAL - 2019 National Sports Festival (Hitachinaka, JPN)

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

date	04-Oct-19	time		4.58		6.83					12.49	12.49		9 / 7			
reaction time	0.191	interval				2.25					5.66			# of strides	4.58		
wind	-1.8 m/s	velocity		6.55		2.93					8.83	8.01		54.2	6.55		

Yamanaka, Hina (JPN)

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m Official Time Lane / Place 0-30m 30-60m 60-90m

FINAL - 2018 National Sports Festival (Fukui, JPN)

Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan

date	06-Oct-18	time	2.07	3.33	4.48	5.59	6.69	7.78	8.88	9.99	11.12	12.28	12.28	2 / 4			
reaction time	0.161	interval		1.26	1.15	1.11	1.10	1.09	1.10	1.11	1.13	1.16		# of strides	4.48	3.30	3.34

wind	-2.8 m/s	velocity	4.83	7.94	8.70	9.01	9.09	9.17	9.09	9.01	8.85	8.62	8.14	55.8	6.70	9.09	8.98
Yamashiro, Rio (JPN) (1991)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2009 Japanese National High School Championships (Nara, JPN)			<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics</i>														
date	30-Jul-09	time			4.35	5.42	6.43	7.48	8.56	9.61		11.82	11.82	8 / 4			
reaction time		interval				1.07	1.01	1.05	1.08	1.05		2.21		# of strides	4.35	3.13	
wind	1.6 m/s	velocity			6.90	9.35	9.90	9.52	9.26	9.52		9.05	8.46		6.90	9.58	
Yoshino, Shiori (JPN) (1999)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)			<i>Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics data</i>														
date	30-Jul-15	time			4.45	5.56	6.62	7.69	8.76	9.85	10.96	12.11	12.11	/ 8			
reaction time		interval				1.11	1.06	1.07	1.07	1.09	1.11	1.15		# of strides	4.45	3.24	3.28
wind	-1.2 m/s	velocity			6.74	9.01	9.43	9.35	9.35	9.17	9.01	8.70	8.26		6.74	9.26	9.15
Young, Dannette (USA) (1964)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>														
date	15-Jun-96	time	1.97		4.26		6.06				10.00	11.06	11.06	7 / 6			
reaction time		interval			2.29		1.80				3.94	1.06	=PB	# of strides	4.26		
wind	1.1 m/s	velocity	5.08		8.73		11.11				10.15	9.43	9.04	51.5	7.04		
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)			<i>USATF Women's Sprint Development (1996)</i>														
date	15-Jun-96	time	1.97		4.18		6.21				10.07	11.06	11.06	6 / 4			
reaction time		interval			2.21		2.03				3.86	0.99	PB	# of strides	4.18		
wind	1.1 m/s	velocity	5.08		9.05		9.85				10.36	10.10	9.04	52.0	7.18		
Yuan Qiqi (CHN) (1995)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
National FINAL - 2023 Xiamen Diamond League (Xiamen, CHN)			<i>Omega Timing (2023) - diamond league race analysis</i>														
date	02-Sep-23	time	2.07	3.22	4.28	5.28	6.27	7.26	8.26	9.27	10.29	11.34	11.34	4 / 2			
reaction time	0.173	interval		1.15	1.06	1.00	0.99	0.99	1.00	1.01	1.02	1.05		# of strides	4.28	2.98	3.03
wind	0.4 m/s	velocity	4.83	8.70	9.43	10.00	10.10	10.10	10.00	9.90	9.80	9.52	8.82	57.5	7.01	10.07	9.90
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)			<i>Jiang (2019) - data analysis of women's sprint finals in the world championships trials</i>														
date	02-Aug-19	time	2.11	3.25	4.32	5.35	6.36	7.38	8.41	9.45	10.50	11.57	11.57	3 / 4			
reaction time		interval		1.14	1.07	1.03	1.01	1.02	1.03	1.04	1.05	1.07		# of strides	4.32	3.06	3.12
wind	-1.2 m/s	velocity	4.74	8.77	9.35	9.71	9.90	9.80	9.71	9.62	9.52	9.35	8.64		6.94	9.80	9.62
Yuasa, Kanako (JPN) (1997)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Japanese National Championships (Niigata, JPN)			<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>														
date	02-Oct-20	time	2.07	3.27	4.37	5.43	6.48	7.53	8.59	9.66	10.77	11.90	11.90	2 / 8			
reaction time	0.148	interval		1.20	1.10	1.06	1.05	1.05	1.06	1.07	1.11	1.13		# of strides	4.37	3.16	3.24
wind	0.5 m/s	velocity	4.83	8.33	9.09	9.43	9.52	9.52	9.43	9.35	9.01	8.85	8.40		6.86	9.49	9.26
FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)			<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>														
date	19-Sep-20	time	2.06	3.26	4.35	5.41	6.46	7.51	8.57	9.64	10.73	11.85	11.85	/ 2			
reaction time		interval		1.20	1.09	1.06	1.05	1.05	1.06	1.07	1.09	1.12		# of strides	4.35	3.16	3.22
wind	-0.8 m/s	velocity	4.85	8.33	9.17	9.43	9.52	9.52	9.43	9.35	9.17	8.93	8.44		6.90	9.49	9.32
FINAL - 2020 Athlete Night Games (Fukui, JPN)			<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>														
date	29-Aug-20	time	2.03	3.22	4.31	5.35	6.38	7.41	8.44	9.49	10.56	11.65	11.65	/ 3			
reaction time		interval		1.19	1.09	1.04	1.03	1.03	1.03	1.05	1.07	1.09		# of strides	4.31	3.10	3.15
wind	1.1 m/s	velocity	4.93	8.40	9.17	9.62	9.71	9.71	9.71	9.52	9.35	9.17	8.58		6.96	9.68	9.52
FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)			<i>Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions</i>														
date	23-Aug-20	time	2.05	3.26	4.36	5.43	6.49	7.54	8.61	9.70	10.81	11.95	11.95	7 / 4			
reaction time	0.144	interval		1.21	1.10	1.07	1.06	1.05	1.07	1.09	1.11	1.14		# of strides	4.36	3.18	3.27
wind	-0.9 m/s	velocity	4.88	8.26	9.09	9.35	9.43	9.52	9.35	9.17	9.01	8.77	8.37		6.88	9.43	9.17
FINAL - 2019 National Sports Festival (Hitachinaka, JPN)			<i>Enomoto (2019) - research on athlete performance and technique- 2019 data book</i>														
date	05-Oct-19	time			4.29		6.36					11.62	11.62	5 / 1			
reaction time	0.148	interval					2.07					5.26		# of strides	4.29		
wind	1.1 m/s	velocity			6.99		3.14					9.51	8.61	54.2	6.99		
Semi-Final 3 - 2017 National Sports Festival (Matsuyama, JPN)			<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>														
date	07-Oct-17	time	2.05	3.23	4.29	5.35	6.40	7.45	8.52	9.60	10.70	11.83	11.83	/ 3			
reaction time	0.140	interval		1.18	1.06	1.06	1.05	1.05	1.07	1.08	1.10	1.13	PB	# of strides	4.29	3.16	3.25
wind	0.7 m/s	velocity	4.88	8.47	9.43	9.43	9.52	9.52	9.35	9.26	9.09	8.85	8.45	55.0	6.99	9.49	9.23
Zahi, Carolle (FRA) (1994)			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2020 Memorial Van Damme (Brussels, BEL)			<i>Omega Timing (2020) - diamond league race analysis</i>														
date	04-Sep-20	time		3.3		5.3		7.4		9.4		11.56	11.56	4 / 2			
reaction time	0.173	interval				2.00		2.10		2.00		2.16		# of strides			
wind	0.2 m/s	velocity		6.06		10.00		9.52		10.00		9.26	8.65	49.5			

FINAL - 2020 Bauhaus Galan (Stockholm, SWE)													Omega Timing (2020) - diamond league race analysis				
date	23-Aug-20	time	3.2		5.3		7.2		9.3		11.34	11.34	6 / 6				
reaction time	0.158	interval			2.10		1.90		2.10		2.04		# of strides				
wind	1.3 m/s	velocity	6.25		9.52		10.53		9.52		9.80	8.82	49.0				
FINAL - 2019 Meeting de Paris (Paris, FRA)													Omega Timing (2019) - diamond league race analysis				
date	24-Aug-19	time			6.2						11.25	11.25	2 / 7				
reaction time	0.159	interval									5.05		# of strides				
wind	-0.2 m/s	velocity			8.06						9.90	8.89	48.2				
Zapalska, Monika (GER) (1994)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2010 German National Youth Championships (Ulm, GER)													Graubner (2010) - http://www.fgs.uni-halle.de				
date	07-Aug-10	time	3.39	4.49	5.55		7.68		9.81		12.03	12.03	/ 6				
reaction time		interval		1.10	1.06		2.13		2.13		2.22		# of strides	4.49	3.19		
wind	-0.3 m/s	velocity	5.90	9.09	9.43		9.39		9.37		9.03	8.31		6.68	9.40		
Zhang Man (CHN) (1997)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)													Jiang (2019) - data analysis of women's sprint finals in the world championships trials				
date	02-Aug-19	time	2.08	3.53	4.39	5.41	6.44	7.47	8.51	9.55	10.61	11.68	11.68	8 / 6			
reaction time		interval		1.45	0.86	1.02	1.03	1.03	1.04	1.04	1.06	1.07		# of strides	4.39	3.08	3.14
wind	-1.2 m/s	velocity	4.81	6.90	11.63	9.80	9.71	9.71	9.62	9.62	9.43	9.35	8.56		6.83	9.74	9.55
Zhirova, Marina (URS) (1963)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)													Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988				
date	25-Sep-88	time	2.08	3.18	4.25	5.24	6.21	7.18	8.18	9.20	10.22	11.24	11.24	1 / 8			
reaction time	0.187	interval		1.10	1.07	0.99	0.97	0.97	1.00	1.02	1.02	1.02		# of strides	4.25	2.93	3.04
wind	0.5 m/s	velocity	4.81	9.09	9.35	10.10	10.31	10.31	10.00	9.80	9.80	9.80	8.90		7.06	10.24	9.87
Heat 5 - 1988 Olympic Games (Seoul, KOR)													Levchenko (1990) - questions and answers about women's sprinting				
date	24-Sep-88	time		3.86			6.90		8.85		10.87	11.22	7 / 2				
reaction time		interval					3.04		1.95		2.02		# of strides	3.86	3.04		
wind	0.1 m/s	velocity		7.77			9.87		10.26		9.90	8.91	49.9	7.77	9.87		
Heat 5 - 1987 Snamenski Memorial (Moscow, URS)													Levchenko (1990) - questions and answers about women's sprinting				
date	07-Jun-87	time		3.97			7.03		9.07		11.15	11.50	/ 2				
reaction time		interval					3.06		2.04		2.08		# of strides	3.97	3.06		
wind	-0.7 m/s	velocity		7.56			9.80		9.80		9.62	8.70	49.6	7.56	9.80		
Zhu Cuiwei (CHN) (2000)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)													Jiang (2019) - data analysis of women's sprint finals in the world championships trials				
date	02-Aug-19	time	2.14	3.33	4.46	5.54	6.61	7.67	8.72	9.78	10.84	11.93	11.93	2 / 8			
reaction time		interval		1.19	1.13	1.08	1.07	1.06	1.05	1.06	1.06	1.09		# of strides	4.46	3.21	3.17
wind	-1.2 m/s	velocity	4.67	8.40	8.85	9.26	9.35	9.43	9.52	9.43	9.43	9.17	8.38		6.73	9.35	9.46
Zlatníková, Lucie (CZE) (1997)																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
FINAL - 2014 Czech Republic National U18 Championships (Trinec, CZE)													Feher (2014) - Final report from the U18 & U20 Czech Republic national championships				
date	28-Jun-14	time	2.22	3.49	4.65	5.81	6.96	8.13	9.31	10.50	11.72	12.97	12.97	6 / 5			
reaction time	0.184	interval		1.27	1.16	1.16	1.15	1.17	1.18	1.19	1.22	1.25		# of strides	4.65	3.48	3.59
wind	-6.4 m/s	velocity	4.50	7.87	8.62	8.62	8.70	8.55	8.47	8.40	8.20	8.00	7.71		6.45	8.62	8.36
Heat 3 - 2014 Czech Republic National U18 Championships (Trinec, CZE)													Feher (2014) - Final report from the U18 & U20 Czech Republic national championships				
date	28-Jun-14	time		3.46		5.72		7.94		10.20		12.50	12.50	4 / 2			
reaction time	0.148	interval				2.26		2.22		2.26		2.30		# of strides			
wind	-1.4 m/s	velocity		5.78		8.85		9.01		8.85		8.70	8.00				