

Women's 200m Split Times - by athletics meeting

LAST UPDATE: 17-May-25

2025 Grand Slam Track Miami (Miramar, FL)

Long Sprints

ong Sprints		date	04-May-25	wind	1.0 m/s	Grand Slam Track (2025) - results and splits by race						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Paulino, Marileidy (DOM) (1996)	time			6.47	11.59	16.75	22.30	22.30	6 / 1			
	reaction time	0.220	interval		5.12	5.16	5.55	NR	# of strides	11.59	10.71	0.88
			velocity	7.73	9.77	9.69	9.01	8.97	85.7	8.63	9.34	
Naser, Salwa Eid (BRN) (1998)	time			6.59	11.75	16.93	22.53	22.53	4 / 2			
	reaction time	0.210	interval		5.16	5.18	5.60		# of strides	11.75	10.78	0.97
			velocity	7.59	9.69	9.65	8.93	8.88	93.0	8.51	9.28	
Whittaker, Isabella (USA) (2002)	time			6.49	11.79	17.21	22.76	22.76	3 / 3			
	reaction time	0.170	interval		5.30	5.42	5.55	PB	# of strides	11.79	10.97	0.82
			velocity	7.70	9.43	9.23	9.01	8.79	95.5	8.48	9.12	
Pryce, Nickisha (JAM) (2001)	time			6.36	11.63	17.01	22.77	22.77	7 / 4			
	reaction time	0.230	interval		5.27	5.38	5.76		# of strides	11.63	11.14	0.49
			velocity	7.86	9.49	9.29	8.68	8.78	92.5	8.60	8.98	
Holmes, Alexis (USA) (2000)	time			6.52	11.82	17.20	22.83	22.83	5 / 5			
	reaction time	0.160	interval		5.30	5.38	5.63	PB	# of strides	11.82	11.01	0.81
			velocity	7.67	9.43	9.29	8.88	8.76	94.0	8.46	9.08	
Anning, Amber (GBR) (2000)	time			6.56	11.79	17.21	22.97	22.97	8 / 6			
	reaction time	0.250	interval		5.23	5.42	5.76		# of strides	11.79	11.18	0.61
			velocity	7.62	9.56	9.23	8.68	8.71	90.0	8.48	8.94	
Williams, Stacey-Ann (JAM) (1996)	time			6.61	11.92	17.22	22.98	22.98	2 / 7			
	reaction time	0.160	interval		5.31	5.30	5.76		# of strides	11.92	11.06	0.86
			velocity	7.56	9.42	9.43	8.68	8.70	96.0	8.39	9.04	
Ellis, Kendall (USA) (1996)	time			6.66	11.90	17.31	23.03	23.03	1 / 8			
	reaction time	0.340	interval		5.24	5.41	5.72		# of strides	11.90	11.13	0.77
			velocity	7.51	9.54	9.24	8.74	8.68	96.0	8.40	8.98	

Short Sprints

hort Sprints		date 03-May-25		wind 1.1 m/s		Grand Slam Track (2025) - results and splits by race						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time			6.29	11.33	16.54	21.95	21.95	4 / 1			
	reaction time	0.190	interval		5.04	5.21	5.41		# of strides	11.33	10.62	0.71
			velocity	7.95	9.92	9.60	9.24	9.11	88.0	8.83	9.42	
Davis, Tamari (USA) (2003)	time			6.36	11.37	16.55	22.05	22.05	8 / 2			
	reaction time	0.210	interval		5.01	5.18	5.50	PB	# of strides	11.37	10.68	0.69
			velocity	7.86	9.98	9.65	9.09	9.07	90.0	8.80	9.36	
Jefferson, Melissa (USA) (2001)	time			6.23	11.27	16.47	22.15	22.15	7 / 3			
	reaction time	0.230	interval		5.04	5.20	5.68	PB	# of strides	11.27	10.88	0.39
			velocity	8.03	9.92	9.62	8.80	9.03	97.5	8.87	9.19	
Ofili, Favour (NGR) (2002)	time			6.36	11.38	16.58	22.27	22.27	3 / 4			
	reaction time	0.220	interval		5.02	5.20	5.69		# of strides	11.38	10.89	0.49
			velocity	7.86	9.96	9.62	8.79	8.98	92.7	8.79	9.18	
Brown, Brittany (USA) (1995)	time			6.60	11.77	17.07	22.72	22.72	5 / 5			
	reaction time	0.270	interval		5.17	5.30	5.65		# of strides	11.77	10.95	0.82
			velocity	7.58	9.67	9.43	8.85	8.80	93.7	8.50	9.13	
White, Kayla (USA) (1996)	time			6.35	11.55	16.96	22.85	22.85	1 / 6			
	reaction time	0.170	interval		5.20	5.41	5.89		# of strides	11.55	11.30	0.25
			velocity	7.87	9.62	9.24	8.49	8.75	94.0	8.66	8.85	
Sears, Jacious (USA) (2001)	time			6.28	11.43	16.86	22.89	22.89	2 / 7			
	reaction time	0.150	interval		5.15	5.43	6.03		# of strides	11.43	11.46	-0.03

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

velocity	7.96	9.71	9.21	8.29	8.74	99.0	8.75	8.73
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Neita, Daryll (GBR) (1996)	time	6.34	11.47	16.88	22.93	22.93	6 / 8			
reaction time	0.190	interval	5.13	5.41	6.05		# of strides	11.47	11.46	0.01
	velocity	7.89	9.75	9.24	8.26	8.72	91.2	8.72	8.73	

2025 Yangtze River Delta Athletics Diamond Gala (Keqiao, CHN)

FINAL

date 03-May-25 wind 0.5 m/s

Omega Timing (2025) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Battle, Anavia (USA) (1999)	time	6.28	11.36	16.65	22.38	22.38	7 / 1			
reaction time	0.146	interval	5.08	5.29	5.73		# of strides	11.36	11.02	0.34
	velocity	7.96	9.84	9.45	8.73	8.94	94.2	8.80	9.07	
Adeleke, Rhasidat (IRL) (2002)	time	6.39	11.59	17.02	22.72	22.72	5 / 2			
reaction time	0.175	interval	5.20	5.43	5.70		# of strides	11.59	11.13	0.46
	velocity	7.82	9.62	9.21	8.77	8.80	91.2	8.63	8.98	
Jæger, Henriette (NOR) (2003)	time	6.44	11.68	17.14	22.86	22.86	2 / 3			
reaction time	0.143	interval	5.24	5.46	5.72		# of strides	11.68	11.18	0.50
	velocity	7.76	9.54	9.16	8.74	8.75	96.0	8.56	8.94	
Hunt, Amy (GBR) (2002)	time	6.37	11.55	16.97	22.86	22.86	3 / 4			
reaction time	0.163	interval	5.18	5.42	5.89		# of strides	11.55	11.31	0.24
	velocity	7.85	9.65	9.23	8.49	8.75	94.0	8.66	8.84	
Prandini, Jenna (USA) (1992)	time	6.32	11.51	16.98	22.88	22.88	6 / 5			
reaction time	0.176	interval	5.19	5.47	5.90		# of strides	11.51	11.37	0.14
	velocity	7.91	9.63	9.14	8.47	8.74	96.2	8.69	8.80	
Gbai, Jessika (CIV) (1998)	time	6.39	11.67	17.10	22.88	22.88	8 / 6			
reaction time	0.142	interval	5.28	5.43	5.78		# of strides	11.67	11.21	0.46
	velocity	7.82	9.47	9.21	8.65	8.74	95.7	8.57	8.92	
Wessolly, Jessica-Bianca (GER)	time	6.46	11.75	17.33	23.32	23.32	1 / 7			
reaction time	0.160	interval	5.29	5.58	5.99		# of strides	11.75	11.57	0.18
	velocity	7.74	9.45	8.96	8.35	8.58	100.0	8.51	8.64	
Terry, Twanisha (USA) (1999)	time	6.39	11.63	17.26	23.49	23.49	9 / 8			
reaction time	0.161	interval	5.24	5.63	6.23		# of strides	11.63	11.86	-0.23
	velocity	7.82	9.54	8.88	8.03	8.51	103.0	8.60	8.43	
Koné, Maboundou (CIV) (1997)	time	6.41	11.82	17.59	23.81	23.81	4 / 9			
reaction time	0.163	interval	5.41	5.77	6.22		# of strides	11.82	11.99	-0.17
	velocity	7.80	9.24	8.67	8.04	8.40	101.0	8.46	8.34	

2025 Xiamen Diamond League (Xiamen, CHN)

FINAL

date 26-Apr-25 wind 0.4 m/s

Omega Timing (2025) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Battle, Anavia (USA) (1999)	time	6.37	11.39	16.63	22.41	22.41	7 / 1			
reaction time	0.145	interval	5.02	5.24	5.78		# of strides	11.39	11.02	0.37
	velocity	7.85	9.96	9.54	8.65	8.92	94.0	8.78	9.07	
Jackson, Shericka (JAM) (1994)	time	6.38	11.52	16.91	22.79	22.79	6 / 2			
reaction time	0.160	interval	5.14	5.39	5.88		# of strides	11.52	11.27	0.25
	velocity	7.84	9.73	9.28	8.50	8.78	97.5	8.68	8.87	
Prandini, Jenna (USA) (1992)	0.178	no information available				22.97	4 / 3		# of strides	96.0
Chen Yujie (CHN) (2008)	time	6.49	11.72	17.19	22.99	22.99	1 / 4			
reaction time	0.172	interval	5.23	5.47	5.80	PB	# of strides	11.72	11.27	0.45
	velocity	7.70	9.56	9.14	8.62	8.70	106.0	8.53	8.87	
Hunt, Amy (GBR) (2002)	time	6.35	11.47	16.97	23.06	23.06	3 / 5			
reaction time	0.163	interval	5.12	5.50	6.09		# of strides	11.47	11.59	-0.12
	velocity	7.87	9.77	9.09	8.21	8.67	95.0	8.72	8.63	

Gbai, Jessika (CIV) (1998)	time	6.43	11.73	17.25	23.14	23.14	8 / 6			
reaction time	0.134	interval	5.30	5.52	5.89		# of strides	11.73	11.41	0.32
		velocity	7.78	9.43	9.06	8.64	94.0	8.53	8.76	
Li Yuting (CHN) (2002)	time	6.44	11.69	17.26	23.37	23.37	2 / 7			
reaction time	0.158	interval	5.25	5.57	6.11		# of strides	11.69	11.68	0.01
		velocity	7.76	9.52	8.98	8.18	92.7	8.55	8.56	
Terry, Twanisha (USA) (1999)	time	6.44	11.69	17.28	23.50	23.50	9 / 8			
reaction time	0.178	interval	5.25	5.59	6.22		# of strides	11.69	11.81	-0.12
		velocity	7.76	9.52	8.94	8.04	102.0	8.55	8.47	
Kambundji, Mujinga (SUI) (1992)	time	6.36	11.64	17.32	23.51	23.51	5 / 9			
reaction time	0.114	interval	5.28	5.68	6.19		# of strides	11.64	11.87	-0.23
		velocity	7.86	9.47	8.80	8.08	101.0	8.59	8.42	

2025 Grand Slam Track Kingston (Kingston, JAM)

Short Sprints

		date	06-Apr-25	wind	-4.7 m/s						Grand Slam Track (2025) - results and splits by race			
						50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jefferson, Melissa (USA) (2001)	time					6.36	11.54	17.27	23.46	23.46	6 / 1			
reaction time	0.200	interval					5.18	5.73	6.19		# of strides	11.54	11.92	-0.38
		velocity				7.86	9.65	8.73	8.08	8.53	93.0	8.67	8.39	
Prandini, Jenna (USA) (1992)	time					6.34	11.44	17.25	23.56	23.56	7 / 2			
reaction time	0.190	interval					5.10	5.81	6.31		# of strides	11.44	12.12	-0.68
		velocity				7.89	9.80	8.61	7.92	8.49	98.7	8.74	8.25	
Sears, Jacious (USA) (2001)	time					6.43	11.58	17.32	23.79	23.79	3 / 3			
reaction time	0.190	interval					5.15	5.74	6.47		# of strides	11.58	12.21	-0.63
		velocity				7.78	9.71	8.71	7.73	8.41	104.5	8.64	8.19	
Nelson, Kemba (JAM) (2000)	time					6.47	11.77	17.54	23.84	23.84	8 / 4			
reaction time	0.220	interval					5.30	5.77	6.30		# of strides	11.77	12.07	-0.30
		velocity				7.73	9.43	8.67	7.94	8.39	104.5	8.50	8.29	
Neita, Daryll (GBR) (1996)	time					6.43	11.58	17.45	23.89	23.89	5 / 5			
reaction time	0.200	interval					5.15	5.87	6.44		# of strides	11.58	12.31	-0.73
		velocity				7.78	9.71	8.52	7.76	8.37	95.5	8.64	8.12	
Reid, Alana (JAM) (2005)	time					6.51	11.80	17.69	24.02	24.02	2 / 6			
reaction time	0.220	interval					5.29	5.89	6.33		# of strides	11.80	12.22	-0.42
		velocity				7.68	9.45	8.49	7.90	8.33	94.2	8.47	8.18	
Williams, Jodean (JAM) (1993)	time					6.43	11.74	17.69	24.29	24.29	4 / 7			
reaction time	0.190	interval					5.31	5.95	6.60		# of strides	11.74	12.55	-0.81
		velocity				7.78	9.42	8.40	7.58	8.23	97.0	8.52	7.97	

2024 Chinese National Championships (Quzhou, CHN)

FINAL

		date	16-Sep-24	wind	-1.0 m/s						Shandong Athletics Sport Science (2024)			
						50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Liu Yinglan (CHN) (2005)	time						11.91	17.47	23.27	23.27	4 / 1			
reaction time	0.191	interval						5.56	5.80	PB	# of strides	11.91	11.36	0.55
		velocity					8.40	8.99	8.62	8.59	97.0	8.40	8.80	
Li Yuting (CHN) (2002)	time						11.69	17.27	23.37	23.37	6 / 2			
reaction time	0.180	interval						5.58	6.10		# of strides	11.69	11.68	0.01
		velocity					8.55	8.96	8.20	8.56	92.2	8.55	8.56	
Zhu Junying (CHN) (2004)	time						12.03	17.63	23.58	23.58	5 / 3			
reaction time	0.164	interval						5.60	5.95	PB	# of strides	12.03	11.55	0.48
		velocity					8.31	8.93	8.40	8.48	99.2	8.31	8.66	
Cai Yanting (CHN) (2000)	time						11.87	17.60	23.68	23.68	3 / 4			
reaction time	0.175	interval						5.73	6.08		# of strides	11.87	11.81	0.06

	velocity	8.42	8.73	8.22	8.45	99.0	8.42	8.47	
Xie Fuyu (CHN) (2002)	time	11.98	17.62	23.78	23.78	8 / 5			
reaction time	0.226	interval	5.64	6.16	PB	# of strides	11.98	11.80	0.18
	velocity	8.35	8.87	8.12	8.41	101.0	8.35	8.47	
Liu Guoyi (CHN) (2004)	time	11.89	17.59	23.83	23.83	7 / 6			
reaction time	0.194	interval	5.70	6.24	PB	# of strides	11.89	11.94	-0.05
	velocity	8.41	8.77	8.01	8.39	98.0	8.41	8.38	

Semi-Final 2

date 15-Sep-24 wind 1.5 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Zhu Junying (CHN) (2004)	time	12.16	17.80	23.83	23.83	6 / 1				
reaction time	0.160	interval	5.64	6.03		# of strides	12.16	11.67	0.49	
	velocity	8.22	8.87	8.29	8.39	99.0	8.22	8.57		
Cai Yanting (CHN) (2000)	time	12.04	17.78	23.86	23.86	7 / 2				
reaction time	0.174	interval	5.74	6.08		# of strides	12.04	11.82	0.22	
	velocity	8.31	8.71	8.22	8.38	98.5	8.31	8.46		
Liu Yinglan (CHN) (2005)	time	12.12	17.84	23.88	23.88	5 / 3				
reaction time	0.195	interval	5.72	6.04		# of strides	12.12	11.76	0.36	
	velocity	8.25	8.74	8.28	8.38	94.5	8.25	8.50		
Kong Lingyao (CHN) (1997)	time	12.22	17.94	23.91	23.91	4 / 4				
reaction time	0.173	interval	5.72	5.97	PB	# of strides	12.22	11.69	0.53	
	velocity	8.18	8.74	8.38	8.36	98.5	8.18	8.55		

Semi-Final 1

date 16-Sep-24 wind 0.9 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Li Yuting (CHN) (2002)	time	11.73	17.38	23.67	23.67	6 / 1				
reaction time	0.183	interval	5.65	6.29		# of strides	11.73	11.94	-0.21	
	velocity	8.53	8.85	7.95	8.45	90.5	8.53	8.38		
Liu Guoyi (CHN) (2004)	time	11.91	17.53	23.84	23.84	8 / 2				
reaction time	0.208	interval	5.62	6.31	PB	# of strides	11.91	11.93	-0.02	
	velocity	8.40	8.90	7.92	8.39	97.5	8.40	8.38		
Xie Fuyu (CHN) (2002)	time	11.94	17.60	23.88	23.88	5 / 3				
reaction time	0.195	interval	5.66	6.28		# of strides	11.94	11.94	0.00	
	velocity	8.38	8.83	7.96	8.38	102.0	8.38	8.38		
Ma Chengna (CHN) (2000)	time	11.79	17.52	23.98	23.98	4 / 4				
reaction time	0.149	interval	5.73	6.46		# of strides	11.79	12.19	-0.40	
	velocity	8.48	8.73	7.74	8.34	98.0	8.48	8.20		
He Liujing (CHN) (2000)	time	12.14	17.98	24.42	24.42	3 / 6				
reaction time	0.189	interval	5.84	6.44		# of strides	12.14	12.28	-0.14	
	velocity	8.24	8.56	7.76	8.19	105.5	8.24	8.14		

2024 Memorial van damme (Brussels, BEL)

FINAL

date 14-Sep-24 wind 0.2 m/s Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Brown, Brittany (USA) (1995)	time	6.30	11.32	16.57	22.20	22.20	7 / 1			
reaction time	0.177	interval	5.02	5.25	5.63		# of strides	11.32	10.88	0.44
	velocity	7.94	9.96	9.52	8.88	9.01	93.7	8.83	9.19	
Neita, Daryll (GBR) (1996)	time	6.38	11.41	16.66	22.45	22.45	6 / 2			
reaction time	0.147	interval	5.03	5.25	5.79		# of strides	11.41	11.04	0.37
	velocity	7.84	9.94	9.52	8.64	8.91	90.0	8.76	9.06	
Battle, Anavia (USA) (1999)	time	6.43	11.51	16.80	22.61	22.61	8 / 3			
reaction time	0.144	interval	5.08	5.29	5.81		# of strides	11.51	11.10	0.41
	velocity	7.78	9.84	9.45	8.61	8.85	95.0	8.69	9.01	

Ta Lou-Smith, Marie-Josée (CIV)	time	6.35	11.49	16.85	22.81	22.81	4 / 4			
reaction time	0.166	interval	5.14	5.36	5.96	DQ	# of strides	11.49	11.32	0.17
		velocity	7.87	9.73	9.33	8.77	97.0	8.70	8.83	
Jiya, Tasa (NED) (1997)	time	6.53	11.75	17.22	22.95	22.95	3 / 5 4			
reaction time	0.178	interval	5.22	5.47	5.73		# of strides	11.75	11.20	0.55
		velocity	7.66	9.58	9.14	8.71	93.0	8.51	8.93	
Clark, Tamara (USA) (1999)	time	6.36	11.54	17.04	23.01	23.01	5 / 6 5			
reaction time	0.162	interval	5.18	5.50	5.97		# of strides	11.54	11.47	0.07
		velocity	7.86	9.65	9.09	8.38	100.0	8.67	8.72	
Hunt, Amy (GBR) (2002)	time	6.49	11.64	17.09	23.09	23.09	2 / 7 6			
reaction time	0.160	interval	5.15	5.45	6.00		# of strides	11.64	11.45	0.19
		velocity	7.70	9.71	9.17	8.33	94.2	8.59	8.73	
Koné, Maboundou (CIV) (1997)	time	6.53	11.80	17.37	23.33	23.33	1 / 8 7			
reaction time	0.189	interval	5.27	5.57	5.96		# of strides	11.80	11.53	0.27
		velocity	7.66	9.49	8.98	8.39	99.0	8.47	8.67	

Invitational

vital stats		date		14-Sep-24		wind		0.1 m/s		Omega Timing (2024) - diamond league race analysis													
						50m		100m		150m		200m		Official Time		Lane / Place		0-100m		100-200m		Differential	
McLaughlin-Levrone, Sydney (USA) (2001)		time				6.41		11.52		16.80		22.40		22.40		6 / 1							
reaction time		0.157		interval				5.11		5.28		5.60				# of strides		11.52		10.88		0.64	
				velocity		7.80		9.78		9.47		8.93		8.93		90.5		8.68		9.19			
Bass, Gina (GAM) (1995)		time				6.44		11.67		17.13		23.01		23.01		5 / 2							
reaction time		0.153		interval				5.23		5.46		5.88				# of strides		11.67		11.34		0.33	
				velocity		7.76		9.56		9.16		8.50		8.69		101.0		8.57		8.82			
Nkansa, Delphine (BEL) (2001)		time				6.39		11.62		17.11		23.03		23.03		8 / 3							
reaction time		0.140		interval				5.23		5.49		5.92		=PB		# of strides		11.62		11.41		0.21	
				velocity		7.82		9.56		9.11		8.45		8.68		101.0		8.61		8.76			
Takács, Boglárka (HUN) (2001)		time				6.42		11.56		17.05		23.05		23.05		7 / 4							
reaction time		0.162		interval				5.14		5.49		6.00				# of strides		11.56		11.49		0.07	
				velocity		7.79		9.73		9.11		8.33		8.68		98.7		8.65		8.70			
Irby-Jackson, Lynna (USA) (1999)		time				6.49		11.76		17.34		23.34		23.34		3 / 5							
reaction time		0.204		interval				5.27		5.58		6.00				# of strides		11.76		11.58		0.18	
				velocity		7.70		9.49		8.96		8.33		8.57		93.0		8.50		8.64			
Mihalinec Zidar, Maja (SLO) (1998)		time				6.42		11.77		17.30		23.37		23.37		2 / 6							
reaction time		0.135		interval				5.35		5.53		6.07				# of strides		11.77		11.60		0.17	
				velocity		7.79		9.35		9.04		8.24		8.56		99.0		8.50		8.62			
Rosius, Rani (BEL) (2000)		time				6.50		11.82		17.41		23.56		23.56		4 / 7							
reaction time		0.175		interval				5.32		5.59		6.15				# of strides		11.82		11.74		0.08	
				velocity		7.69		9.40		8.94		8.13		8.49		98.7		8.46		8.52			

2024 Golden Gala Pietro Mennea (Roma, ITA)

FINAL

		date	30-Aug-24	wind	0.4 m/s			Omega Timing (2024) - diamond league race analysis				
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Brown, Brittany (USA) (1995)	time			6.27	11.21	16.41	22.00	22.00	7 / 1			
	reaction time	0.213	interval		4.94	5.20	5.59		# of strides	11.21	10.79	0.42
			velocity	7.97	10.12	9.62	8.94	9.09	92.7	8.92	9.27	
Battle, Anavia (USA) (1999)	time			6.31	11.34	16.57	22.27	22.27	2 / 2			
	reaction time	0.135	interval		5.03	5.23	5.70		# of strides	11.34	10.93	0.41
			velocity	7.92	9.94	9.56	8.77	8.98		8.82	9.15	
Neita, Daryll (GBR) (1996)	time			6.29	11.30	16.63	22.46	22.46	5 / 3			
	reaction time	0.150	interval		5.01	5.33	5.83		# of strides	11.30	11.16	0.14
			velocity	7.95	9.98	9.38	8.58	8.90	90.7	8.85	8.96	
Gbai, Jessica (CIV) (1998)		time		6.42	11.55	16.90	22.51	22.51	3 / 4			

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

reaction time	0.165	interval	5.13	5.35	5.61	# of strides	11.55	10.96	0.59
velocity	7.79	9.75	9.35	8.91	8.88	92.0	8.66	9.12	
Kambundji, Mujinga (SUI) (1992)	time	6.27	11.37	16.71	22.53	22.53	4 / 5		
reaction time	0.164	interval	5.10	5.34	5.82	# of strides	11.37	11.16	0.21
velocity	7.97	9.80	9.36	8.59	8.88	100.0	8.80	8.96	
Prandini, Jenna (USA) (1992)	time	6.36	11.40	16.78	22.67	22.67	6 / 6		
reaction time	0.168	interval	5.04	5.38	5.89	# of strides	11.40	11.27	0.13
velocity	7.86	9.92	9.29	8.49	8.82	97.0	8.77	8.87	
Koné, Maboundou (CIV) (1997)	time	6.33	11.54	16.98	22.84	22.84	8 / 7		
reaction time	0.163	interval	5.21	5.44	5.86	# of strides	11.54	11.30	0.24
velocity	7.90	9.60	9.19	8.53	8.76	99.5	8.67	8.85	
Hunt, Amy (GBR) (2002)	time	6.46	11.68	17.20	23.14	23.14	1 / 8		
reaction time	0.167	interval	5.22	5.52	5.94	# of strides	11.68	11.46	0.22
velocity	7.74	9.58	9.06	8.42	8.64		8.56	8.73	
Kaddari, Dalia (ITA) (2001)	time	6.49	11.65	17.19	23.33	23.33	9 / 9		
reaction time	0.157	interval	5.16	5.54	6.14	# of strides	11.65	11.68	-0.03
velocity	7.70	9.69	9.03	8.14	8.57		8.58	8.56	

2024 Athletissima (Lausanne, SUI)**FINAL**

date 22-Aug-24 wind 0.9 m/s

Omega Timing (2024) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Takács, Boglárka (HUN) (2001)	time	6.40	11.51	16.88	22.76	22.76	7 / 1				
reaction time	0.154	interval	5.11	5.37	5.88	# of strides	11.51	11.25	0.26		
velocity	7.81	9.78	9.31	8.50	8.79		8.69	8.89			
Wessolly, Jessica-Bianca (GER)	time	6.39	11.60	16.99	22.83	22.83	5 / 2				
reaction time	0.162	interval	5.21	5.39	5.84	# of strides	11.60	11.23	0.37		
velocity	7.82	9.60	9.28	8.56	8.76		8.62	8.90			
Jiya, Tasa (NED) (1997)	time	6.39	11.61	17.04	22.93	22.93	6 / 3				
reaction time	0.160	interval	5.22	5.43	5.89	# of strides	11.61	11.32	0.29		
velocity	7.82	9.58	9.21	8.49	8.72		8.61	8.83			
van Hunenstijn, Marije (NED) (1	time	6.52	11.80	17.24	23.02	23.02	2 / 4				
reaction time	0.151	interval	5.28	5.44	5.78	# of strides	11.80	11.22	0.58		
velocity	7.67	9.47	9.19	8.65	8.69		8.47	8.91			
Pointet, Léonie (SUI) (2001)	time	6.39	11.59	17.03	23.02	23.02	4 / 5				
reaction time	0.146	interval	5.20	5.44	5.99	# of strides	11.59	11.43	0.16		
velocity	7.82	9.62	9.19	8.35	8.69		8.63	8.75			
Atcho-Jaquier, Sarah (SUI) (199	time	6.50	11.70	17.18	23.26	23.26	8 / 6				
reaction time	0.158	interval	5.20	5.48	6.08	# of strides	11.70	11.56	0.14		
velocity	7.69	9.62	9.12	8.22	8.60		8.55	8.65			
Agyapong, Finette (GBR) (1997	time	6.60	11.87	17.36	23.38	23.38	3 / 7				
reaction time	0.140	interval	5.27	5.49	6.02	# of strides	11.87	11.51	0.36		
velocity	7.58	9.49	9.11	8.31	8.55		8.42	8.69			
Hoenke, Favienne (SUI) (2004)	time	6.58	11.97	17.61	23.70	23.70	1 / 8				
reaction time	0.132	interval	5.39	5.64	6.09	# of strides	11.97	11.73	0.24		
velocity	7.60	9.28	8.87	8.21	8.44		8.35	8.53			

2024 Olympic Games (Paris, FRA)**Heptathlon - Heat 3**

date 08-Aug-24 wind -0.5 m/s

Paris 2024 Olympic Games - Results Book (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Johnson-Thompson, Katarina (	time	6.48	11.78	17.40	23.44	23.44	5 / 1				
reaction time	0.186	interval	5.30	5.62	6.04	# of strides	11.78	11.66	0.12		
velocity	7.72	9.43	8.90	8.28	8.53	90.5	8.49	8.58			

Dokter, Sofie (NED) (2002)	time	6.69	12.07	17.73	23.73	23.73	4 / 2			
	reaction time	0.172	interval	5.38	5.66	6.00	# of strides	12.07	11.66	0.41
	velocity	7.47	9.29	8.83	8.33	8.43	96.0	8.29	8.58	
Lazraq-Khlass, Auriana (FRA) (	time	6.69	12.05	17.72	23.87	23.87	9 / 3			
	reaction time	0.169	interval	5.36	5.67	6.15	# of strides	12.05	11.82	0.23
	velocity	7.47	9.33	8.82	8.13	8.38	93.0	8.30	8.46	
Kälin, Annik (SUI) (2000)	time	6.46	11.87	17.64	23.88	23.88	2 / 4			
	reaction time	0.172	interval	5.41	5.77	6.24	# of strides	11.87	12.01	-0.14
	velocity	7.74	9.24	8.67	8.01	8.38	99.0	8.42	8.33	
Brooks, Taliyah (USA) (1995)	time	6.55	11.98	17.76	24.02	24.02	6 / 5			
	reaction time	0.142	interval	5.43	5.78	6.26	# of strides	11.98	12.04	-0.06
	velocity	7.63	9.21	8.65	7.99	8.33	94.0	8.35	8.31	
Vetter, Anouk (NED) (1993)	time	6.62	12.11	17.96	24.36	24.36	3 / 6			
	reaction time	0.152	interval	5.49	5.85	6.40	# of strides	12.11	12.25	-0.14
	velocity	7.55	9.11	8.55	7.81	8.21	95.2	8.26	8.16	
West, Tori (AUS) (1995)	time	6.81	12.34	18.25	24.73	24.73	7 / 7			
	reaction time	0.154	interval	5.53	5.91	6.48	# of strides	12.34	12.39	-0.05
	velocity	7.34	9.04	8.46	7.72	8.09	100.0	8.10	8.07	

Heptathlon - Heat 2

date 08-Aug-24

wind 0.4 m/s

Paris 2024 Olympic Games - Results Book (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Gerevini, Sveva (ITA) (1996)	time	6.57	11.90	17.50	23.58	23.58	7 / 1				
	reaction time	0.159	interval	5.33	5.60	6.08	# of strides	11.90	11.68	0.22	
	velocity	7.61	9.38	8.93	8.22	8.48	95.2	8.40	8.56		
Schäfer, Carolin (GER) (1991)	time	6.64	12.02	17.67	23.85	23.85	2 / 2				
	reaction time	0.154	interval	5.38	5.65	6.18	# of strides	12.02	11.83	0.19	
	velocity	7.53	9.29	8.85	8.09	8.39	96.7	8.32	8.45		
Vidts, Noor (BEL) (1996)	time	6.61	11.99	17.63	23.86	23.86	8 / 3				
	reaction time	0.157	interval	5.38	5.64	6.23	# of strides	11.99	11.87	0.12	
	velocity	7.56	9.29	8.87	8.03	8.38	94.0	8.34	8.42		
Hall, Anna (USA) (2001)	time	6.66	12.03	17.70	23.89	23.89	3 / 4				
	reaction time	0.218	interval	5.37	5.67	6.19	# of strides	12.03	11.86	0.17	
	velocity	7.51	9.31	8.82	8.08	8.37	91.7	8.31	8.43		
Oosterwegel, Emma (NED) (1991)	time	6.75	12.26	17.98	24.35	24.35	6 / 5				
	reaction time	0.206	interval	5.51	5.72	6.37	# of strides	12.26	12.09	0.17	
	velocity	7.41	9.07	8.74	7.85	8.21	99.0	8.16	8.27		
Araujo, Martha (COL) (1996)	time	6.64	12.12	17.93	24.46	24.46	5 / 6				
	reaction time	0.163	interval	5.48	5.81	6.53	# of strides	12.12	12.34	-0.22	
	velocity	7.53	9.12	8.61	7.66	8.18	103.0	8.25	8.10		
Hawkins, Chari (USA) (1991)	time	6.65	12.18	18.02	24.49	24.49	4 / 7				
	reaction time	0.178	interval	5.53	5.84	6.47	# of strides	12.18	12.31	-0.13	
	velocity	7.52	9.04	8.56	7.73	8.17	95.0	8.21	8.12		
Newton-Smith, Camryn (AUS) (	time	6.63	12.23	18.16	24.76	24.76	9 / 8				
	reaction time	0.173	interval	5.60	5.93	6.60	# of strides	12.23	12.53	-0.30	
	velocity	7.54	8.93	8.43	7.58	8.08	101.0	8.18	7.98		

Heptathlon - Heat 1

date 08-Aug-24

wind 0.2 m/s

Paris 2024 Olympic Games - Results Book (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sulek-Schubert, Adrianna (POL)	time	6.60	12.04	17.82	24.20	24.20	5 / 1				
	reaction time	0.155	interval	5.44	5.78	6.38	# of strides	12.04	12.16	-0.12	
	velocity	7.58	9.19	8.65	7.84	8.26	101.5	8.31	8.22		
Thiam, Nafissatou (BEL) (1994)	time	6.67	12.21	18.10	24.46	24.46	6 / 2				
	reaction time	0.137	interval	5.54	5.89	6.36	# of strides	12.21	12.25	-0.04	

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

	velocity	7.50	9.03	8.49	7.86	8.18	92.0	8.19	8.16	
Vanninen, Saga (FIN) (2003)	time	6.82	12.47	18.37	24.74	24.74	8 / 3			
reaction time	0.151	interval	5.65	5.90	6.37		# of strides	12.47	12.27	0.20
	velocity	7.33	8.85	8.47	7.85	8.08	96.0	8.02	8.15	
O'Connor, Kate (IRL) (2000)	time	6.76	12.41	18.37	24.77	24.77	2 / 4			
reaction time	0.148	interval	5.65	5.96	6.40		# of strides	12.41	12.36	0.05
	velocity	7.40	8.85	8.39	7.81	8.07	98.5	8.06	8.09	
Krizán, Xénia (HUN) (1993)	time	6.77	12.46	18.46	24.92	24.92	4 / 5			
reaction time	0.163	interval	5.69	6.00	6.46		# of strides	12.46	12.46	0.00
	velocity	7.39	8.79	8.33	7.74	8.03	92.2	8.03	8.03	
O'Dowda, Jade (GBR) (1999)	time	6.72	12.35	18.38	24.97	24.97	7 / 6			
reaction time	0.205	interval	5.63	6.03	6.59		# of strides	12.35	12.62	-0.27
	velocity	7.44	8.88	8.29	7.59	8.01	95.2	8.10	7.92	
Nemes, Rita (HUN) (1989)	time	7.12	12.99	19.09	25.61	25.61	3 / 7			
reaction time	0.176	interval	5.87	6.10	6.52		# of strides	12.99	12.62	0.37
	velocity	7.02	8.52	8.20	7.67	7.81	93.0	7.70	7.92	

FINAL

date 06-Aug-24 wind -0.6 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time	6.18	11.10	16.28	21.83	21.83	7 / 1			
reaction time	0.165	interval	4.92	5.18	5.55		# of strides	11.10	10.73	0.37
	velocity	8.09	10.16	9.65	9.01	9.16	90.7	9.01	9.32	
Alfred, Julien (LCA) (2001)	time	6.18	11.20	16.44	22.08	22.08	8 / 2			
reaction time	0.136	interval	5.02	5.24	5.64		# of strides	11.20	10.88	0.32
	velocity	8.09	9.96	9.54	8.87	9.06	96.0	8.93	9.19	
Brown, Brittany (USA) (1995)	time	6.21	11.18	16.49	22.20	22.20	6 / 3			
reaction time	0.173	interval	4.97	5.31	5.71		# of strides	11.18	11.02	0.16
	velocity	8.05	10.06	9.42	8.76	9.01	96.0	8.94	9.07	
Asher-Smith, Dina (GBR) (1995)	time	6.16	11.15	16.46	22.22	22.22	4 / 4			
reaction time	0.144	interval	4.99	5.31	5.76		# of strides	11.15	11.07	0.08
	velocity	8.12	10.02	9.42	8.68	9.00	96.5	8.97	9.03	
Neita, Daryll (GBR) (1996)	time	6.27	11.24	16.50	22.23	22.23	5 / 5			
reaction time	0.143	interval	4.97	5.26	5.73		# of strides	11.24	10.99	0.25
	velocity	7.97	10.06	9.51	8.73	9.00	90.0	8.90	9.10	
Ofili, Favour (NGR) (2002)	time	6.25	11.23	16.54	22.24	22.24	9 / 6			
reaction time	0.144	interval	4.98	5.31	5.70		# of strides	11.23	11.01	0.22
	velocity	8.00	10.04	9.42	8.77	8.99	92.5	8.90	9.08	
Long, McKenzie (USA) (2000)	time	6.32	11.38	16.71	22.42	22.42	2 / 7			
reaction time	0.164	interval	5.06	5.33	5.71		# of strides	11.38	11.04	0.34
	velocity	7.91	9.88	9.38	8.76	8.92	101.7	8.79	9.06	
Gbai, Jessica (CIV) (1998)	time	6.37	11.54	16.95	22.70	22.70	3 / 8			
reaction time	0.162	interval	5.17	5.41	5.75		# of strides	11.54	11.16	0.38
	velocity	7.85	9.67	9.24	8.70	8.81	94.5	8.67	8.96	

Semi-Final 3

date 05-Aug-24 wind 0.1 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Brown, Brittany (USA) (1995)	time	6.24	11.22	16.42	22.12	22.12	7 / 1			
reaction time	0.202	interval	4.98	5.20	5.70		# of strides	11.22	10.90	0.32
	velocity	8.01	10.04	9.62	8.77	9.04	93.0	8.91	9.17	
Neita, Daryll (GBR) (1996)	time	6.22	11.19	16.44	22.24	22.24	6 / 2			
reaction time	0.145	interval	4.97	5.25	5.80		# of strides	11.19	11.05	0.14
	velocity	8.04	10.06	9.52	8.62	8.99	90.7	8.94	9.05	

Gbai, Jessika (CIV) (1998)	time	6.35	11.42	16.71	22.36	22.36	8 / 3				
	reaction time	0.170	interval	5.07	5.29	5.65	PB	# of strides	11.42	10.94	0.48
		velocity	7.87	9.86	9.45	8.85	8.94	95.0	8.76	9.14	
Bass, Gina (GAM) (1995)	time	6.39	11.55	16.91	22.66	22.66	5 / 4				
	reaction time	0.155	interval	5.16	5.36	5.75		# of strides	11.55	11.11	0.44
		velocity	7.82	9.69	9.33	8.70	8.83	102.0	8.66	9.00	
Thomas, Lanae-Tava (JAM) (2001)	time	6.23	11.39	16.83	22.77	22.77	9 / 5				
	reaction time	0.157	interval	5.16	5.44	5.94		# of strides	11.39	11.38	0.01
		velocity	8.03	9.69	9.19	8.42	8.78	96.0	8.78	8.79	
Henriksson, Julia (SWE) (2000)	time	6.40	11.58	17.01	22.88	22.88	4 / 6				
	reaction time	0.165	interval	5.18	5.43	5.87		# of strides	11.58	11.30	0.28
		velocity	7.81	9.65	9.21	8.52	8.74	97.7	8.64	8.85	
Lewis, Torrie (AUS) (2005)	time	6.34	11.56	17.04	22.92	22.92	3 / 7				
	reaction time	0.164	interval	5.22	5.48	5.88		# of strides	11.56	11.36	0.20
		velocity	7.89	9.58	9.12	8.50	8.73	93.7	8.65	8.80	
Fotopoulou, Olivia (CYP) (1996)	time	6.39	11.56	17.04	22.98	22.98	2 / 8				
	reaction time	0.152	interval	5.17	5.48	5.94		# of strides	11.56	11.42	0.14
		velocity	7.82	9.67	9.12	8.42	8.70	99.0	8.65	8.76	

Semi-Final 2

date 05-Aug-24

wind 0.2 m/s

Paris 2024 Olympic Games - Results Book (2024)

				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time			6.22	11.14	16.30	21.86	21.86	8 / 1			
	reaction time	0.188	interval		4.92	5.16	5.56		# of strides	11.14	10.72	0.42
			velocity	8.04	10.16	9.69	8.99	9.15	88.2	8.98	9.33	
Asher-Smith, Dina (GBR) (1995)	time			6.11	11.09	16.43	22.31	22.31	7 / 2			
	reaction time	0.158	interval		4.98	5.34	5.88		# of strides	11.09	11.22	-0.13
			velocity	8.18	10.04	9.36	8.50	8.96	96.0	9.02	8.91	
Parisot, Helene (FRA) (1992)	time			6.32	11.38	16.76	22.55	22.55	5 / 3			
	reaction time	0.177	interval		5.06	5.38	5.79	PB	# of strides	11.38	11.17	0.21
			velocity	7.91	9.88	9.29	8.64	8.87	100.5	8.79	8.95	
Kambundji, Mujinga (SUI) (1992)	time			6.22	11.29	16.70	22.63	22.63	4 / 4			
	reaction time	0.140	interval		5.07	5.41	5.93		# of strides	11.29	11.34	-0.05
			velocity	8.04	9.86	9.24	8.43	8.84	99.5	8.86	8.82	
Burgher, Niesha (JAM) (2002)	time			6.39	11.42	16.77	22.64	22.64	6 / 5			
	reaction time	0.185	interval		5.03	5.35	5.87		# of strides	11.42	11.22	0.20
			velocity	7.82	9.94	9.35	8.52	8.83	97.0	8.76	8.91	
Jiya, Tasa (NED) (1997)	time			6.29	11.47	16.93	22.81	22.81	9 / 6			
	reaction time	0.150	interval		5.18	5.46	5.88		# of strides	11.47	11.34	0.13
			velocity	7.95	9.65	9.16	8.50	8.77	94.0	8.72	8.82	
Madogo, Jacqueline (CAN) (2001)	time			6.45	11.66	17.05	22.81	22.81	3 / 7			
	reaction time	0.161	interval		5.21	5.39	5.76		# of strides	11.66	11.15	0.51
			velocity	7.75	9.60	9.28	8.68	8.77	93.5	8.58	8.97	
Emmanouilidou, Polyniki (GRE) (2001)	time			6.55	11.85	17.36	23.18	23.18	2 / 8			
	reaction time	0.187	interval		5.30	5.51	5.82		# of strides	11.85	11.33	0.52
			velocity	7.63	9.43	9.07	8.59	8.63	105.0	8.44	8.83	

Semi-Final 1

date 05-Aug-24

wind 0.0 m/s

Paris 2024 Olympic Games - Results Book (2024)

		date	colleg	time	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Alfred, Julien (LCA) (2001)	time			6.18	11.19	16.36	21.98	21.98	7 / 1			
	reaction time	0.146	interval		5.01	5.17	5.62		# of strides	11.19	10.79	0.40
			velocity	8.09	9.98	9.67	8.90	9.10	96.0	8.94	9.27	
Ofili, Favour (NGR) (2002)	time			6.22	11.19	16.43	22.05	22.05	6 / 2			
	reaction time	0.141	interval		4.97	5.24	5.62		# of strides	11.19	10.86	0.33

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

	velocity	8.04	10.06	9.54	8.90	9.07	91.0	8.94	9.21	
Long, McKenzie (USA) (2000)	time	6.30	11.30	16.56	22.30	22.30	8 / 3			
	reaction time	0.170	interval	5.00	5.26	5.74	# of strides	11.30	11.00	0.30
	velocity	7.94	10.00	9.51	8.71	8.97	100.7	8.85	9.09	
Williams, Bianca (GBR) (1993)	time	6.34	11.45	16.81	22.58	22.58	9 / 4			
	reaction time	0.167	interval	5.11	5.36	5.77	# of strides	11.45	11.13	0.32
	velocity	7.89	9.78	9.33	8.67	8.86	100.0	8.73	8.98	
Koné, Maboundou (CIV) (1997)	time	6.27	11.41	16.81	22.65	22.65	3 / 5			
	reaction time	0.167	interval	5.14	5.40	5.84	# of strides	11.41	11.24	0.17
	velocity	7.97	9.73	9.26	8.56	8.83	99.0	8.76	8.90	
Leduc, Audrey (CAN) (1999)	time	6.32	11.41	16.81	22.68	22.68	5 / 6			
	reaction time	0.198	interval	5.09	5.40	5.87	# of strides	11.41	11.27	0.14
	velocity	7.91	9.82	9.26	8.52	8.82	95.7	8.76	8.87	
Joseph, Gemima (FRA) (2001)	time	6.25	11.42	16.88	22.69	22.69	4 / 7			
	reaction time	0.132	interval	5.17	5.46	5.81	# of strides	11.42	11.27	0.15
	velocity	8.00	9.67	9.16	8.61	8.81	98.0	8.76	8.87	
Hodge, Adaejah (IVB) (2006)	time	6.37	11.51	16.89	22.70	22.70	2 / 8			
	reaction time	0.147	interval	5.14	5.38	5.81	# of strides	11.51	11.19	0.32
	velocity	7.85	9.73	9.29	8.61	8.81	103.0	8.69	8.94	

Repechage 4

date	05-Aug-24	wind	-0.9 m/s							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lewis, Torrie (AUS) (2005)	0.156	no information available				23.08	2 / 1		# of strides	95.0
Bestue, Jael (ESP) (2000)	0.145	no information available				23.22	3 / 2		# of strides	103.2
Vervae, Imke (BEL) (1993)	0.154	no information available				23.33	7 / 3		# of strides	101.2
Pointet, Léonie (SUI) (2001)	0.156	no information available				23.37	6 / 4		# of strides	104.5
Lindahl, Nora (SWE) (2004)	0.163	no information available				23.51	4 / 5		# of strides	96.0
Safronova, Olga (KAZ) (1991)	0.189	no information available				23.70	5 / 6		# of strides	95.7

Repechage 3

date	05-Aug-24	wind	-0.4 m/s							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fotopoulou, Olivia (CYP) (1996)	time	6.46	11.62	17.02	22.92	22.92	8 / 1			
	reaction time	0.145	interval	5.16	5.40	5.90	# of strides	11.62	11.30	0.32
	velocity	7.74	9.69	9.26	8.47	8.73	98.2	8.61	8.85	
Tsimanouskaya, Krystsina (POL)	time	6.46	11.65	17.06	23.01	23.01	5 / 2			
	reaction time	0.169	interval	5.19	5.41	5.95	# of strides	11.65	11.36	0.29
	velocity	7.74	9.63	9.24	8.40	8.69	98.2	8.58	8.80	
Caicedo, Nicole (ECU) (2000)	time	6.40	11.61	17.10	23.04	23.04	7 / 3			
	reaction time	0.196	interval	5.21	5.49	5.94	# of strides	11.61	11.43	0.18
	velocity	7.81	9.60	9.11	8.42	8.68	95.5	8.61	8.75	
Gross, Mia (AUS) (2001)	time	6.51	11.79	17.35	23.34	23.34	4 / 4			
	reaction time	0.155	interval	5.28	5.56	5.99	# of strides	11.79	11.55	0.24
	velocity	7.68	9.47	8.99	8.35	8.57	96.0	8.48	8.66	
Tamayo-Garza, Cecilia (MEX) (1991)	time	6.43	11.61	17.18	23.49	23.49	6 / 5			
	reaction time	0.154	interval	5.18	5.57	6.31	# of strides	11.61	11.88	-0.27
	velocity	7.78	9.65	8.98	7.92	8.51	98.7	8.61	8.42	

Repechage 2

date	05-Aug-24	wind	0.6 m/s							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Koné, Maboundou (CIV) (1997)	time	6.31	11.49	16.93	22.89	22.89	4 / 1			
	reaction time	0.179	interval	5.18	5.44	5.96	# of strides	11.49	11.40	0.09
	velocity	7.92	9.65	9.19	8.39	8.74	100.5	8.70	8.77	
Takács, Boglárka (HUN) (2001)	time	6.43	11.58	17.02	23.05	23.05	8 / 2			
	reaction time	0.149	interval	5.15	5.44	6.03	# of strides	11.58	11.47	0.11
	velocity	7.78	9.71	9.19	8.29	8.68	97.5	8.64	8.72	

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

Li Yuting (CHN) (2002)	time	6.48	11.77	17.28	23.24	23.24	3 / 3			
	reaction time	0.149	interval	5.29	5.51	5.96	# of strides	11.77	11.47	0.30
	velocity	7.72	9.45	9.07	8.39	8.61	92.0	8.50	8.72	
Kotwila, Martyna (POL) (1999)	time	6.62	12.02	17.59	23.50	23.50	5 / 4			
	reaction time	0.138	interval	5.40	5.57	5.91	# of strides	12.02	11.48	0.54
	velocity	7.55	9.26	8.98	8.46	8.51	99.5	8.32	8.71	
Suárez, Gabriela Anahí (ECU) (2002)	time	6.32	11.56	17.18	23.54	23.54	7 / 5			
	reaction time	0.159	interval	5.24	5.62	6.36	# of strides	11.56	11.98	-0.42
	velocity	7.91	9.54	8.90	7.86	8.50	102.2	8.65	8.35	
Martins, Lorraine (BRA) (2000)	time	6.59	11.91	17.58	23.82	23.82	6 / 6			
	reaction time	0.169	interval	5.32	5.67	6.24	# of strides	11.91	11.91	0.00
	velocity	7.59	9.40	8.82	8.01	8.40	106.7	8.40	8.40	

Repechage 1

date 05-Aug-24 wind 0.6 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Madogo, Jacqueline (CAN) (2002)	time	6.39	11.48	16.78	22.58	22.58	8 / 1			
	reaction time	0.162	interval	5.09	5.80		# of strides	11.48	11.10	0.38
	velocity	7.82	9.82	9.43	8.62	8.86	94.0	8.71	9.01	
Hodge, Adaejah (IVB) (2006)	time	6.40	11.56	17.01	22.94	22.94	7 / 2			
	reaction time	0.140	interval	5.16	5.93		# of strides	11.56	11.38	0.18
	velocity	7.81	9.69	9.17	8.43	8.72	104.0	8.65	8.79	
Emmanouilidou, Polyniki (GRE) (2002)	time	6.44	11.62	17.01	22.99	22.99	6 / 3			
	reaction time	0.154	interval	5.18	5.98		# of strides	11.62	11.37	0.25
	velocity	7.76	9.65	9.28	8.36	8.70	105.0	8.61	8.80	
Bazolo, Lorène Dorcas (POR) (1995)	time	6.38	11.54	17.03	23.08	23.08	4 / 4			
	reaction time	0.149	interval	5.16	6.05		# of strides	11.54	11.54	0.00
	velocity	7.84	9.69	9.11	8.26	8.67	99.0	8.67	8.67	
Nazareno, Aimaré (ECU) (2001)	time	6.44	11.76	17.30	23.35	23.35	5 / 5			
	reaction time	0.181	interval	5.32	6.05		# of strides	11.76	11.59	0.17
	velocity	7.76	9.40	9.03	8.26	8.57	96.7	8.50	8.63	
Azevedo, Ana Carolina (BRA) (1995)	time	6.45	11.73	17.34	23.44	23.44	2 / 6			
	reaction time	0.168	interval	5.28	6.10		# of strides	11.73	11.71	0.02
	velocity	7.75	9.47	8.91	8.20	8.53	103.0	8.53	8.54	
Pereira, Veronica Shanti (SGP) (1995)	time	6.58	11.85	17.41	23.45	23.45	3 / 7			
	reaction time	0.183	interval	5.27	6.04		# of strides	11.85	11.60	0.25
	velocity	7.60	9.49	8.99	8.28	8.53	99.7	8.44	8.62	

Heat 6

date 04-Aug-24 wind 0.5 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ofili, Favour (NGR) (2002)	time	6.26	11.31	16.57	22.24	22.24	2 / 1			
	reaction time	0.154	interval	5.05	5.67		# of strides	11.31	10.93	0.38
	velocity	7.99	9.90	9.51	8.82	8.99	92.7	8.84	9.15	
Asher-Smith, Dina (GBR) (1995)	time	6.17	11.17	16.49	22.28	22.28	8 / 2			
	reaction time	0.145	interval	5.00	5.79		# of strides	11.17	11.11	0.06
	velocity	8.10	10.00	9.40	8.64	8.98	95.0	8.95	9.00	
Bass, Gina (GAM) (1995)	time	6.38	11.55	16.98	22.84	22.84	7 / 3			
	reaction time	0.147	interval	5.17	5.86		# of strides	11.55	11.29	0.26
	velocity	7.84	9.67	9.21	8.53	8.76	102.0	8.66	8.86	
Koné, Maboundou (CIV) (1997)	time	6.37	11.57	17.02	22.87	22.87	3 / 4			
	reaction time	0.193	interval	5.20	5.85		# of strides	11.57	11.30	0.27
	velocity	7.85	9.62	9.17	8.55	8.75	100.0	8.64	8.85	
Hodge, Adaejah (IVB) (2006)	time	6.38	11.55	16.99	23.00	23.00	5 / 5			

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

reaction time	0.159	interval	5.17	5.44	6.01		# of strides	11.55	11.45	0.10
velocity	7.84	9.67	9.19	8.32	8.70		103.5	8.66	8.73	
Karstoft, Ida (DEN) (1995)	time	6.45	11.60	17.08	23.01	23.01	4 / 6			
reaction time	0.167	interval	5.15	5.48	5.93		# of strides	11.60	11.41	0.19
velocity	7.75	9.71	9.12	8.43	8.69		91.7	8.62	8.76	
Li Yuting (CHN) (2002)	time	6.37	11.64	17.23	23.31	23.31	9 / 7			
reaction time	0.148	interval	5.27	5.59	6.08		# of strides	11.64	11.67	-0.03
velocity	7.85	9.49	8.94	8.22	8.58		91.0	8.59	8.57	
Azevedo, Ana Carolina (BRA) (2002)	time	6.40	11.66	17.23	23.37	23.37	6 / 8			
reaction time	0.152	interval	5.26	5.57	6.14		# of strides	11.66	11.71	-0.05
velocity	7.81	9.51	8.98	8.14	8.56		100.0	8.58	8.54	

Heat 5

date 04-Aug-24

wind 0.2 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Brown, Brittany (USA) (1995)	time	6.34	11.39	16.67	22.38	22.38	7 / 1			
reaction time	0.205	interval	5.05	5.28	5.71		# of strides	11.39	10.99	0.40
velocity	7.89	9.90	9.47	8.76	8.94		92.0	8.78	9.10	
Thomas, Lanae-Tava (JAM) (2001)	time	6.28	11.47	16.86	22.70	22.70	2 / 2			
reaction time	0.151	interval	5.19	5.39	5.84		# of strides	11.47	11.23	0.24
velocity	7.96	9.63	9.28	8.56	8.81		95.5	8.72	8.90	
Williams, Bianca (GBR) (1993)	time	6.45	11.66	17.05	22.77	22.77	3 / 3			
reaction time	0.183	interval	5.21	5.39	5.72		# of strides	11.66	11.11	0.55
velocity	7.75	9.60	9.28	8.74	8.78		100.0	8.58	9.00	
Emmanouilidou, Polyniki (GRE) (2001)	time	6.44	11.66	17.10	23.06	23.06	8 / 4			
reaction time	0.166	interval	5.22	5.44	5.96		# of strides	11.66	11.40	0.26
velocity	7.76	9.58	9.19	8.39	8.67		105.5	8.58	8.77	
Fotopoulou, Olivia (CYP) (1996)	time	6.43	11.64	17.12	23.07	23.07	5 / 5			
reaction time	0.145	interval	5.21	5.48	5.95		# of strides	11.64	11.43	0.21
velocity	7.78	9.60	9.12	8.40	8.67		99.0	8.59	8.75	
Takács, Boglárka (HUN) (2001)	time	6.39	11.58	17.11	23.16	23.16	4 / 6			
reaction time	0.151	interval	5.19	5.53	6.05		# of strides	11.58	11.58	0.00
velocity	7.82	9.63	9.04	8.26	8.64		98.5	8.64	8.64	
Vervae, Imke (BEL) (1993)	time	6.60	11.86	17.35	23.20	23.20	9 / 7			
reaction time	0.166	interval	5.26	5.49	5.85		# of strides	11.86	11.34	0.52
velocity	7.58	9.51	9.11	8.55	8.62		97.2	8.43	8.82	
Pereira, Veronica Shanti (SGP) (2000)	time	6.45	11.66	17.18	23.21	23.21	6 / 8			
reaction time	0.185	interval	5.21	5.52	6.03		# of strides	11.66	11.55	0.11
velocity	7.75	9.60	9.06	8.29	8.62		99.0	8.58	8.66	

Heat 4

date 04-Aug-24

wind 0.0 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long, McKenzie (USA) (2000)	time	6.42	11.49	16.79	22.55	22.55	9 / 1			
reaction time	0.212	interval	5.07	5.30	5.76		# of strides	11.49	11.06	0.43
velocity	7.79	9.86	9.43	8.68	8.87		102.0	8.70	9.04	
Gbai, Jessika (CIV) (1998)	time	6.39	11.50	16.89	22.61	22.61	7 / 2			
reaction time	0.170	interval	5.11	5.39	5.72		# of strides	11.50	11.11	0.39
velocity	7.82	9.78	9.28	8.74	8.85		94.0	8.70	9.00	
Leduc, Audrey (CAN) (1999)	time	6.42	11.58	16.99	22.88	22.88	3 / 3			
reaction time	0.188	interval	5.16	5.41	5.89		# of strides	11.58	11.30	0.28
velocity	7.79	9.69	9.24	8.49	8.74		94.2	8.64	8.85	
Bestue, Jael (ESP) (2000)	time	6.43	11.65	17.20	23.17	23.17	2 / 4			
reaction time	0.150	interval	5.22	5.55	5.97		# of strides	11.65	11.52	0.13
velocity	7.78	9.58	9.01	8.38	8.63		102.7	8.58	8.68	

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

Tsimanouskaya, Krystsina (POL)	time	6.52	11.80	17.32	23.30	23.30	6 / 5			
reaction time	0.181	interval	5.28	5.52	5.98		# of strides	11.80	11.50	0.30
		velocity	7.67	9.47	9.06	8.36	98.5	8.47	8.70	
Gross, Mia (AUS) (2001)	time	6.45	11.71	17.31	23.36	23.36	5 / 6			
reaction time	0.178	interval	5.26	5.60	6.05		# of strides	11.71	11.65	0.06
		velocity	7.75	9.51	8.93	8.26	96.7	8.54	8.58	
Nazareno, Aimar� (ECU) (2001)	time	6.47	11.84	17.44	23.52	23.52	4 / 7			
reaction time	0.196	interval	5.37	5.60	6.08		# of strides	11.84	11.68	0.16
		velocity	7.73	9.31	8.93	8.22	97.2	8.45	8.56	
Martins, Lorraine (BRA) (2000)	time	6.58	11.88	17.52	23.68	23.68	8 / 8			
reaction time	0.179	interval	5.30	5.64	6.16		# of strides	11.88	11.80	0.08
		velocity	7.60	9.43	8.87	8.12	105.0	8.42	8.47	

Heat 3

heat 3		date		04-Aug-24		wind		0.0 m/s		Paris 2024 Olympic Games - Results Book (2024)				
						50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Neita, Daryll (GBR) (1996)		time				6.40	11.43	16.66	22.39	22.39	5 / 1			
reaction time	0.149	interval					5.03	5.23	5.73		# of strides	11.43	10.96	0.47
		velocity				7.81	9.94	9.56	8.73	8.93	90.0	8.75	9.12	
Jiya, Tasa (NED) (1997)		time				6.46	11.60	16.98	22.74	22.74	9 / 2			
reaction time	0.160	interval					5.14	5.38	5.76		# of strides	11.60	11.14	0.46
		velocity				7.74	9.73	9.29	8.68	8.80	94.0	8.62	8.98	
Parisot, Helene (FRA) (1992)		time				6.49	11.66	17.09	22.99	22.99	3 / 3			
reaction time	0.153	interval					5.17	5.43	5.90		# of strides	11.66	11.33	0.33
		velocity				7.70	9.67	9.21	8.47	8.70	103.0	8.58	8.83	
Caicedo, Nicole (ECU) (2000)		time				6.49	11.70	17.18	23.18	23.18	7 / 4			
reaction time	0.211	interval					5.21	5.48	6.00		# of strides	11.70	11.48	0.22
		velocity				7.70	9.60	9.12	8.33	8.63	96.5	8.55	8.71	
Lindahl, Nora (SWE) (2004)		time				6.54	11.83	17.36	23.33	23.33	2 / 5			
reaction time	0.150	interval					5.29	5.53	5.97		# of strides	11.83	11.50	0.33
		velocity				7.65	9.45	9.04	8.38	8.57	95.5	8.45	8.70	
Kotwiła, Martyna (POL) (1999)		time				6.64	12.02	17.54	23.43	23.43	6 / 6			
reaction time	0.159	interval					5.38	5.52	5.89		# of strides	12.02	11.41	0.61
		velocity				7.53	9.29	9.06	8.49	8.54	99.0	8.32	8.76	
Bongiorni, Anna (ITA) (1993)		time				6.49	11.75	17.29	23.49	23.49	8 / 7			
reaction time	0.159	interval					5.26	5.54	6.20		# of strides	11.75	11.74	0.01
		velocity				7.70	9.51	9.03	8.06	8.51	101.7	8.51	8.52	

Heat 2

Heat 2		date		04-Aug-24		wind		0.0 m/s		Paris 2024 Olympic Games - Results Book (2024)				
						50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time					6.29	11.28	16.53	22.20	22.20	5 / 1			
	reaction time	0.182	interval				4.99	5.25	5.67		# of strides	11.28	10.92	0.36
			velocity			7.95	10.02	9.52	8.82	9.01	90.0	8.87	9.16	
Burgher, Niesha (JAM) (2002)	time					6.47	11.55	16.82	22.54	22.54	6 / 2			
	reaction time	0.161	interval				5.08	5.27	5.72		# of strides	11.55	10.99	0.56
			velocity			7.73	9.84	9.49	8.74	8.87	98.0	8.66	9.10	
Kambundji, Mujinga (SUI) (1992)	time					6.31	11.38	16.84	22.75	22.75	3 / 3			
	reaction time	0.153	interval				5.07	5.46	5.91		# of strides	11.38	11.37	0.01
			velocity			7.92	9.86	9.16	8.46	8.79	101.7	8.79	8.80	
Madogo, Jacqueline (CAN) (200)	time					6.53	11.71	17.07	22.78	22.78	8 / 4			
	reaction time	0.157	interval				5.18	5.36	5.71	PB	# of strides	11.71	11.07	0.64
			velocity			7.66	9.65	9.33	8.76	8.78	93.5	8.54	9.03	
Su��rez, Gabriela Anah� (ECU) (2)		time					6.29	11.53	17.13	23.33	23.33	4 / 5		

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

reaction time	0.144	interval	5.24	5.60	6.20	# of strides	11.53	11.80	-0.27
velocity	7.95	9.54	8.93	8.06	8.57	102.7	8.67	8.47	
Kaddari, Dalia (ITA) (2001)	time	6.49	11.67	17.29	23.49	23.49	7 / 6		
reaction time	0.145	interval	5.18	5.62	6.20	# of strides	11.67	11.82	-0.15
velocity	7.70	9.65	8.90	8.06	8.51	97.0	8.57	8.46	
Tamayo-Garza, Cecilia (MEX) (1991)	time	6.47	11.66	17.29	23.65	23.65	2 / 7		
reaction time	0.160	interval	5.19	5.63	6.36	# of strides	11.66	11.99	-0.33
velocity	7.73	9.63	8.88	7.86	8.46	99.5	8.58	8.34	

Heat 1

date 04-Aug-24 wind 1.4 m/s Paris 2024 Olympic Games - Results Book (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Alfred, Julien (LCA) (2001)	time		6.23	11.32	16.63	22.41	22.41	4 / 1			
	reaction time	0.167		5.09	5.31	5.78		# of strides	11.32	11.09	0.23
	velocity		8.03	9.82	9.42	8.65	8.92	96.0	8.83	9.02	
Joseph, Gemima (FRA) (2001)	time		6.28	11.49	16.92	22.72	22.72	5 / 2			
	reaction time	0.151		5.21	5.43	5.80		# of strides	11.49	11.23	0.26
	velocity		7.96	9.60	9.21	8.62	8.80	98.0	8.70	8.90	
Henriksson, Julia (SWE) (2000)	time		6.40	11.60	16.94	22.79	22.79	6 / 3			
	reaction time	0.144		5.20	5.34	5.85	NR PB	# of strides	11.60	11.19	0.41
	velocity		7.81	9.62	9.36	8.55	8.78	97.5	8.62	8.94	
Lewis, Torrie (AUS) (2005)	time		6.34	11.50	16.94	22.89	22.89	9 / 4			
	reaction time	0.158		5.16	5.44	5.95	PB	# of strides	11.50	11.39	0.11
	velocity		7.89	9.69	9.19	8.40	8.74	94.0	8.70	8.78	
Bazolo, Lorène Dorcas (POR) (1991)	time		6.41	11.63	17.13	23.10	23.10	7 / 5			
	reaction time	0.118		5.22	5.50	5.97		# of strides	11.63	11.47	0.16
	velocity		7.80	9.58	9.09	8.38	8.66	99.0	8.60	8.72	
Pointet, Léonie (SUI) (2001)	time		6.43	11.76	17.33	23.42	23.42	2 / 6			
	reaction time	0.152		5.33	5.57	6.09		# of strides	11.76	11.66	0.10
	velocity		7.78	9.38	8.98	8.21	8.54	104.0	8.50	8.58	
Safronova, Olga (KAZ) (1991)	time		6.44	11.73	17.26	23.58	23.58	3 / 7			
	reaction time	0.138		5.29	5.53	6.32		# of strides	11.73	11.85	-0.12
	velocity		7.76	9.45	9.04	7.91	8.48	95.0	8.53	8.44	

2024 Japanese National High School Championships (Fukuoka, JPN)

FINAL

date 31-Jul-24 wind 1.1 m/s Takashima (2024) - national high school sports festival - biomechanics data

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Akizawa, Risa (JPN) (2007)	time		6.50	11.98	17.68	23.82	23.82	6 / 1			
	reaction time	0.192	interval	5.48	5.70	6.14	PB	# of strides	11.98	11.84	0.14
			velocity	7.69	9.12	8.77	8.14	8.40	8.35	8.45	
Kobari, Akiha (JPN) (2006)	time		6.49	12.05	17.78	23.91	23.91	8 / 2			
	reaction time	0.171	interval	5.56	5.73	6.13		# of strides	12.05	11.86	0.19
			velocity	7.70	8.99	8.73	8.16	8.36	8.30	8.43	
Kakizoe, Suzune (JPN) (2007)	time		6.65	12.25	18.04	24.19	24.19	7 / 3			
	reaction time	0.187	interval	5.60	5.79	6.15	PB	# of strides	12.25	11.94	0.31
			velocity	7.52	8.93	8.64	8.13	8.27	8.16	8.38	
Chiba, Anju (JPN) (2007)	time		6.59	12.19	17.94	24.27	24.27	5 / 4			
	reaction time	0.191	interval	5.60	5.75	6.33		# of strides	12.19	12.08	0.11
			velocity	7.59	8.93	8.70	7.90	8.24	8.20	8.28	
Sugimoto, Miu (JPN) (2006)	time		6.71	12.50	18.30	24.35	24.35	2 / 5			
	reaction time	0.182	interval	5.79	5.80	6.05		# of strides	12.50	11.85	0.65
			velocity	7.45	8.64	8.62	8.26	8.21	8.00	8.44	
Balogun, Haru (JPN) (2009)	time		6.81	12.54	18.35	24.46	24.46	9 / 6			
	reaction time	0.233	interval	5.73	5.81	6.11		# of strides	12.54	11.92	0.62

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

	velocity	7.34	8.73	8.61	8.18	8.18		7.97	8.39	
Fuse, Ichiha (JPN) (2008)	time	6.59	12.24	18.13	24.54	24.54	4 / 7			
reaction time	0.176 interval		5.65	5.89	6.41		# of strides	12.24	12.30	-0.06
	velocity	7.59	8.85	8.49	7.80	8.15		8.17	8.13	
Okabayashi, Saki (JPN) (2007)	time	6.64	12.38	18.25	24.64	24.64	3 / 8			
reaction time	0.183 interval		5.74	5.87	6.39	PB	# of strides	12.38	12.26	0.12
	velocity	7.53	8.71	8.52	7.82	8.12		8.08	8.16	

2024 London Athletics Meet (London, GBR)**FINAL**

NAME	date		20-Jul-24		wind		-0.9 m/s		Omega Timing (2024) - diamond league race analysis				
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time				6.39	11.39	16.48	21.82	21.82	6 / 1			
	reaction time	0.209	interval			5.00	5.09	5.34		# of strides	11.39	10.43	0.96
			velocity		7.82	10.00	9.82	9.36	9.17	89.0	8.78	9.59	
Alfred, Julien (LCA) (2001)	time				6.27	11.31	16.41	21.86	21.86	7 / 2			
	reaction time	0.159	interval			5.04	5.10	5.45	NR PB	# of strides	11.31	10.55	0.76
			velocity		7.97	9.92	9.80	9.17	9.15	96.0	8.84	9.48	
Asher-Smith, Dina (GBR) (1995)	time				6.15	11.14	16.35	22.07	22.07	5 / 3			
	reaction time	0.176	interval			4.99	5.21	5.72		# of strides	11.14	10.93	0.21
			velocity		8.13	10.02	9.60	8.74	9.06	96.0	8.98	9.15	
Neita, Daryll (GBR) (1996)	time				6.28	11.28	16.48	22.20	22.20	4 / 4			
	reaction time	0.140	interval			5.00	5.20	5.72		# of strides	11.28	10.92	0.36
			velocity		7.96	10.00	9.62	8.74	9.01	91.0	8.87	9.16	
Adeleke, Rhasidat (IRL) (2002)	time				6.37	11.43	16.69	22.35	22.35	8 / 5			
	reaction time	0.132	interval			5.06	5.26	5.66		# of strides	11.43	10.92	0.51
			velocity		7.85	9.88	9.51	8.83	8.95		8.75	9.16	
Clark, Tamara (USA) (1999)	time				6.36	11.48	16.79	22.59	22.59	3 / 6			
	reaction time	0.173	interval			5.12	5.31	5.80		# of strides	11.48	11.11	0.37
			velocity		7.86	9.77	9.42	8.62	8.85	100.0	8.71	9.00	
Prandini, Jenna (USA) (1992)	time				6.43	11.58	16.98	22.93	22.93	2 / 7			
	reaction time	0.188	interval			5.15	5.40	5.95		# of strides	11.58	11.35	0.23
			velocity		7.78	9.71	9.26	8.40	8.72		8.64	8.81	
Hunt, Amy (GBR) (2002)	time				6.54	11.79	17.15	22.96	22.96	1 / 8			
	reaction time	0.177	interval			5.25	5.36	5.81		# of strides	11.79	11.17	0.62
			velocity		7.65	9.52	9.33	8.61	8.71		8.48	8.95	

2024 FBK Games (Hengelo, NED)**National FINAL**

national FINAL		date	07-Jul-24	wind	-0.3 m/s			Omega Timing (2024) - continental tour gold race analysis				
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Roelofs, Anna (NED) (2001)	time			6.80	12.27	18.12	24.40	24.40	7 / 1			
	reaction time	0.147	interval		5.47	5.85	6.28		# of strides	12.27	12.13	0.14
			velocity		7.35	9.14	8.55	7.96	8.20		8.15	8.24
Romijn, Lise (NED) (2005)	time			7.05	12.60	18.36	24.56	24.56	8 / 2			
	reaction time	0.244	interval		5.55	5.76	6.20		# of strides	12.60	11.96	0.64
			velocity		7.09	9.01	8.68	8.06	8.14		7.94	8.36
Saalberg, Eveline (NED) (1998)	time			6.95	12.50	18.30	24.57	24.57	6 / 3			
	reaction time	0.219	interval		5.55	5.80	6.27		# of strides	12.50	12.07	0.43
			velocity		7.19	9.01	8.62	7.97	8.14		8.00	8.29
van Krieken, Lianne (NED) (1997)	time			6.83	12.47	18.34	24.77	24.77	2 / 4			
	reaction time	0.189	interval		5.64	5.87	6.43		# of strides	12.47	12.30	0.17
			velocity		7.32	8.87	8.52	7.78	8.07		8.02	8.13
Nuijten, Femke (NED) (1999)	time			6.73	12.44	18.42	24.89	24.89	4 / 5			

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

reaction time	0.175	interval	5.71	5.98	6.47	# of strides	12.44	12.45	-0.01
velocity	7.43	8.76	8.36	7.73	8.04		8.04	8.03	
Jansen, Ruby (NED) (2007)	time	6.94	12.53	18.45	24.93	24.93	5 / 6		
reaction time	0.171	interval	5.59	5.92	6.48	# of strides	12.53	12.40	0.13
velocity	7.20	8.94	8.45	7.72	8.02		7.98	8.06	
Noruwa, Abigail (NED) (2006)	time	6.92	12.52	18.47	24.99	24.99	3 / 7		
reaction time	0.213	interval	5.60	5.95	6.52	# of strides	12.52	12.47	0.05
velocity	7.23	8.93	8.40	7.67	8.00		7.99	8.02	
Montijn, Valéria (NED) (2002)	time	6.85	12.58	18.58	25.17	25.17	1 / 8		
reaction time	0.209	interval	5.73	6.00	6.59	# of strides	12.58	12.59	-0.01
velocity	7.30	8.73	8.33	7.59	7.95		7.95	7.94	

2024 Chinese National Grand Prix Final (Rizhao, CHN)

FINAL

date		30-Jun-24		wind		0.3 m/s		Shandong Athletics Sport Science (2024)		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Li Yuting (CHN) (2002)	time		11.64	17.19	23.22	23.22	8 / 1			
reaction time	0.191	interval		5.55	6.03	# of strides		11.64	11.58	0.06
velocity		8.59	9.01	8.29	8.61	91.0		8.59	8.64	
Zhang Zhu (CHN) (2000)	time		12.13	17.70	23.58	23.58	7 / 2			
reaction time	0.157	interval		5.57	5.88	PB	# of strides	12.13	11.45	0.68
velocity		8.24	8.98	8.50	8.48	102.0		8.24	8.73	
Cai Yanting (CHN) (2000)	time		12.06	17.64	23.63	23.63	4 / 3			
reaction time	0.141	interval		5.58	5.99	# of strides		12.06	11.57	0.49
velocity		8.29	8.96	8.35	8.46	99.5		8.29	8.64	
Huang Guifen (CHN) (1997)	time		12.08	17.64	23.77	23.77	6 / 4			
reaction time	0.186	interval		5.56	6.13	# of strides		12.08	11.69	0.39
velocity		8.28	8.99	8.16	8.41	96.0		8.28	8.55	
Feng Lulu (CHN) (2000)	time		12.08	17.77	24.03	24.03	2 / 5			
reaction time	0.173	interval		5.69	6.26	# of strides		12.08	11.95	0.13
velocity		8.28	8.79	7.99	8.32	106.0		8.28	8.37	
Li Yanjie (CHN) (2002)	time		12.31	17.98	24.10	24.10	5 / 6			
reaction time	0.163	interval		5.67	6.12	# of strides		12.31	11.79	0.52
velocity		8.12	8.82	8.17	8.30	100.2		8.12	8.48	
He Liujing (CHN) (2000)	time		12.17	17.88	24.12	24.12	9 / 7			
reaction time	0.205	interval		5.71	6.24	# of strides		12.17	11.95	0.22
velocity		8.22	8.76	8.01	8.29	102.2		8.22	8.37	
Chen Yiting (CHN) (2000)	time		12.08	17.90	24.31	24.31	3 / 8			
reaction time	0.151	interval		5.82	6.41	# of strides		12.08	12.23	-0.15
velocity		8.28	8.59	7.80	8.23	102.0		8.28	8.18	

Heat 3

date		29-Jun-24		wind		0.0 m/s		Shandong Athletics Sport Science (2024)		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Zhang Zhu (CHN) (2000)	time		12.13	17.80	23.86	23.86	6 / 1			
reaction time	0.191	interval		5.67	6.06	# of strides		12.13	11.73	0.40
velocity		8.24	8.82	8.25	8.38	104.0		8.24	8.53	
Cai Yanting (CHN) (2000)	time		12.19	17.93	23.96	23.96	7 / 2			
reaction time	0.179	interval		5.74	6.03	# of strides		12.19	11.77	0.42
velocity		8.20	8.71	8.29	8.35	100.0		8.20	8.50	

Heat 2

date		29-Jun-24		wind		0.5 m/s		Shandong Athletics Sport Science (2024)		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huang Guifen (CHN) (1997)	time		12.01	17.63	23.78	23.78	6 / 1			
reaction time	0.261	interval		5.62	6.15	# of strides		12.01	11.77	0.24
velocity		8.33	8.90	8.13	8.41	96.2		8.33	8.50	

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

He Liuqing (CHN) (2000)	time	12.18	17.93	24.28	24.28	4 / 2			
reaction time	0.262	interval	5.75	6.35		# of strides	12.18	12.10	0.08
		velocity	8.21	8.70	7.87	8.24	104.0	8.21	8.26

Heat 1

eat 1

	date	29-Jun-24	wind	0.2 m/s					Shandong Athletics Sport Science (2024)		
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Li Yuting (CHN) (2002)		time		11.98	17.69	23.79	23.79	7 / 1			
	reaction time	0.198			5.71	6.10		# of strides	11.98	11.81	0.17
		interval									
		velocity		8.35	8.76	8.20	8.41	89.5	8.35	8.47	
Li Yanjie (CHN) (2002)		time		12.18	17.84	23.79	23.79	5 / 2			
	reaction time	0.159			5.66	5.95	PB	# of strides	12.18	11.61	0.57
		interval									
		velocity		8.21	8.83	8.40	8.41	101.0	8.21	8.61	
Feng Lulu (CHN) (2000)		time		12.07	17.79	24.13	24.13	4 / 3			
	reaction time	0.172			5.72	6.34		# of strides	12.07	12.06	0.01
		interval									
		velocity		8.29	8.74	7.89	8.29	105.0	8.29	8.29	
Chen Yiting (CHN) (2000)		time		12.21	18.02	24.37	24.37	8 / 4			
	reaction time	0.146			5.81	6.35		# of strides	12.21	12.16	0.05
		interval									
		velocity		8.19	8.61	7.87	8.21	100.0	8.19	8.22	

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

	date	29-Jun-24	wind	0.6 m/s							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time		6.24	11.31	16.30	21.81	21.81	8 / 1			
reaction time		interval		5.07	4.99	5.51		# of strides	11.31	10.50	0.81
		velocity	8.01	9.86	10.02	9.07	9.17	90.0	8.84	9.52	
Brown, Brittany (USA) (1995)	time				16.36	21.97	21.90	9 / 2			
reaction time		interval				5.61	PB	# of strides			
		velocity			9.17	8.91	9.13	95.0			
Long, McKenzie (USA) (2000)	time		6.26	11.36	16.49	21.91	21.91	7 / 3			
reaction time		interval		5.10	5.13	5.42		# of strides	11.36	10.55	0.81
		velocity	7.99	9.80	9.75	9.23	9.13	101.7	8.80	9.48	
Richardson, Sha'Carri (USA) (2012)	time		6.33	11.34	16.49	22.16	22.16	6 / 4			
reaction time		interval		5.01	5.15	5.67		# of strides	11.34	10.82	0.52
		velocity	7.90	9.98	9.71	8.82	9.03	99.0	8.82	9.24	
Clark, Tamara (USA) (1999)	time		6.30	11.40	16.67	22.20	22.20	2 / 5			
reaction time		interval		5.10	5.27	5.53		# of strides	11.40	10.80	0.60
		velocity	7.94	9.80	9.49	9.04	9.01	99.7	8.77	9.26	
Steiner, Abby (USA) (1999)	time		6.34	11.41	16.62	22.24	22.24	5 / 6			
reaction time		interval		5.07	5.21	5.62		# of strides	11.41	10.83	0.58
		velocity	7.89	9.86	9.60	8.90	8.99	102.2	8.76	9.23	
Prandini, Jenna (USA) (1992)	time		6.37	11.40	16.80	22.58	22.58	4 / 7			
reaction time		interval		5.03	5.40	5.78		# of strides	11.40	11.18	0.22
		velocity	7.85	9.94	9.26	8.65	8.86	96.0	8.77	8.94	
Mays, Jady (USA) (2002)	time		6.43	11.67	17.03	22.60	22.60	1 / 8			
reaction time		interval		5.24	5.36	5.57		# of strides	11.67	10.93	0.74
		velocity	7.78	9.54	9.33	8.98	8.85	100.0	8.57	9.15	

Semi-Final 3

	date	28-Jun-24	wind	1.4 m/s							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time		6.28	11.26	16.34	21.78	21.78	7 / 1			
reaction time		interval		4.98	5.08	5.44		# of strides	11.26	10.52	0.74
		velocity	7.96	10.04	9.84	9.19	9.18	88.0	8.88	9.51	
Steiner, Abby (USA) (1999)	time		6.36	11.41	16.53	22.03	22.03	8 / 2			

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

	reaction time		5.05	5.12	5.50		# of strides	11.41	10.62	0.79
	interval									
	velocity	7.86	9.90	9.77	9.09	9.08	51.0	8.76	9.42	
Clark, Tamara (USA) (1999)	time	6.30	11.41	16.67	22.12	22.12	5 / 3			
	reaction time		5.11	5.26	5.45		# of strides	11.41	10.71	0.70
	interval									
	velocity	7.94	9.78	9.51	9.17	9.04	98.0	8.76	9.34	
Carter, Jassani (USA) (2003)	time	6.46	11.68	16.93	22.50	22.50	9 / 4			
	reaction time		5.22	5.25	5.57		# of strides	11.68	10.82	0.86
	interval									
	velocity	7.74	9.58	9.52	8.98	8.89	96.0	8.56	9.24	
Hill, Candice (USA) (1999)	time	6.42	11.60	16.97	22.61	22.61	4 / 5			
	reaction time		5.18	5.37	5.64		# of strides	11.60	11.01	0.59
	interval									
	velocity	7.79	9.65	9.31	8.87	8.85	92.5	8.62	9.08	
Jamison, Jayla (USA) (2003)	time	6.47	11.69	17.04	22.68	22.68	6 / 6			
	reaction time		5.22	5.35	5.64		# of strides	11.69	10.99	0.70
	interval									
	velocity	7.73	9.58	9.35	8.87	8.82	98.7	8.55	9.10	
Irby-Jackson, Lynna (USA) (1999)	time	6.42	11.67	17.12	22.85	22.85	1 / 7			
	reaction time		5.25	5.45	5.73		# of strides	11.67	11.18	0.49
	interval									
	velocity	7.79	9.52	9.17	8.73	8.75	91.7	8.57	8.94	
Dickson, Camryn (USA) (2004)	time	6.53	11.80	17.26	23.05	23.05	3 / 8			
	reaction time		5.27	5.46	5.79		# of strides	11.80	11.25	0.55
	interval									
	velocity	7.66	9.49	9.16	8.64	8.68	101.7	8.47	8.89	
Chandler, Caisja (USA) (2000)	time	6.58	11.97	17.50	23.25	23.25	2 / 9			
	reaction time		5.39	5.53	5.75		# of strides	11.97	11.28	0.69
	interval									
	velocity	7.60	9.28	9.04	8.70	8.60	96.2	8.35	8.87	

Semi-Final 2

date 28-Jun-24 wind 0.6 m/s

USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long, McKenzie (USA) (2000)	time	6.32	11.45	16.59	22.01	22.01	6 / 1			
	reaction time		5.13	5.14	5.42		# of strides	11.45	10.56	0.89
	interval									
	velocity	7.91	9.75	9.73	9.23	9.09	102.0	8.73	9.47	
Brown, Brittany (USA) (1995)	time	6.24	11.31	16.49	22.08	22.08	8 / 2			
	reaction time		5.07	5.18	5.59		# of strides	11.31	10.77	0.54
	interval									
	velocity	8.01	9.86	9.65	8.94	9.06	95.2	8.84	9.29	
Davis, Tamari (USA) (2003)	time	6.22	11.35	16.58	22.10	22.10	9 / 3			
	reaction time		5.13	5.23	5.52	PB	# of strides	11.35	10.75	0.60
	interval									
	velocity	8.04	9.75	9.56	9.06	9.05	90.2	8.81	9.30	
Battle, Anavia (USA) (1999)	time	6.36	11.56	16.78	22.41	22.41	7 / 4			
	reaction time		5.20	5.22	5.63		# of strides	11.56	10.85	0.71
	interval									
	velocity	7.86	9.62	9.58	8.88	8.92	96.0	8.65	9.22	
Blackmon, Kennedy (USA) (1999)	time	6.50	11.77	17.26	22.96	22.96	2 / 5			
	reaction time		5.27	5.49	5.70		# of strides	11.77	11.19	0.58
	interval									
	velocity	7.69	9.49	9.11	8.77	8.71	95.7	8.50	8.94	
Effiong, Rosey (USA) (2001)	time	6.58	11.81	17.29	23.04	23.04	3 / 6			
	reaction time		5.23	5.48	5.75		# of strides	11.81	11.23	0.58
	interval									
	velocity	7.60	9.56	9.12	8.70	8.68	97.0	8.47	8.90	
Whyte, Madison (USA) (2004)	time	6.52	11.80	17.28	23.12	23.12	5 / 7			
	reaction time		5.28	5.48	5.84		# of strides	11.80	11.32	0.48
	interval									
	velocity	7.67	9.47	9.12	8.56	8.65	91.7	8.47	8.83	
Davis, Kenondra (USA) (2003)	time	6.52	11.88	17.41	23.13	23.13	4 / 8			
	reaction time		5.36	5.53	5.72		# of strides	11.88	11.25	0.63
	interval									
	velocity	7.67	9.33	9.04	8.74	8.65	94.0	8.42	8.89	
Bieber, Halle (USA) (2000)	time	6.68	12.07	17.79	23.86	23.86	1 / 9			

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

reaction time	interval	5.39	5.72	6.07		# of strides	12.07	11.79	0.28
	velocity	7.49	9.28	8.74	8.24	8.38	8.29	8.48	

Semi-Final 1

date 28-Jun-24

wind 1.8 m/s

USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Richardson, Sha'Carri (USA) (21)	time	6.29	11.29	16.45	21.92	21.92	6 / 1			
	reaction time		5.00	5.16	5.47	=PB	# of strides	11.29	10.63	0.66
	velocity	7.95	10.00	9.69	9.14	9.12	99.0	8.86	9.41	
Prandini, Jenna (USA) (1992)	time	6.28	11.45	16.63	22.26	22.26	7 / 2			
	reaction time		5.17	5.18	5.63		# of strides	11.45	10.81	0.64
	velocity	7.96	9.67	9.65	8.88	8.98	95.0	8.73	9.25	
Mays, Jadyn (USA) (2002)	time	6.30	11.54	16.72	22.33	22.33	8 / 3			
	reaction time		5.24	5.18	5.61		# of strides	11.54	10.79	0.75
	velocity	7.94	9.54	9.65	8.91	8.96	99.2	8.67	9.27	
Terry, Twanisha (USA) (1999)	time	6.39	11.60	16.91	22.62	22.62	9 / 4			
	reaction time		5.21	5.31	5.71		# of strides	11.60	11.02	0.58
	velocity	7.82	9.60	9.42	8.76	8.84	100.0	8.62	9.07	
Cooper, Elise (USA) (2007)	time	6.44	11.67	17.10	22.71	22.71	5 / 5			
	reaction time		5.23	5.43	5.61	PB	# of strides	11.67	11.04	0.63
	velocity	7.76	9.56	9.21	8.91	8.81	91.0	8.57	9.06	
Sturgis, Cambrea (USA) (1999)	time	6.42	11.75	17.25	22.98	22.98	3 / 6			
	reaction time		5.33	5.50	5.73		# of strides	11.75	11.23	0.52
	velocity	7.79	9.38	9.09	8.73	8.70	99.0	8.51	8.90	
Tatum, Adriana (USA) (2002)	time	6.73	12.15	17.63	23.17	23.17	1 / 7			
	reaction time		5.42	5.48	5.54		# of strides	12.15	11.02	1.13
	velocity	7.43	9.23	9.12	9.03	8.63	98.2	8.23	9.07	
Baylark, Jada (USA) (1997)	time	6.40	11.78	17.35	23.20	23.20	2 / 8			
	reaction time		5.38	5.57	5.85		# of strides	11.78	11.42	0.36
	velocity	7.81	9.29	8.98	8.55	8.62	94.5	8.49	8.76	
Kelley, Tiriah (USA) (2004)	time	6.52	11.87	17.41	23.21	23.21	4 / 9			
	reaction time		5.35	5.54	5.80		# of strides	11.87	11.34	0.53
	velocity	7.67	9.35	9.03	8.62	8.62	95.5	8.42	8.82	

Heat 4

date 27-Jun-24

wind 0.1 m/s

USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time	6.26	11.32	16.49	22.11	22.11	7 / 1			
	reaction time		5.06	5.17	5.62		# of strides	11.32	10.79	0.53
	velocity	7.99	9.88	9.67	8.90	9.05	89.0	8.83	9.27	
Mays, Jadyn (USA) (2002)	time	6.27	11.40	16.82	22.50	22.50	5 / 2			
	reaction time		5.13	5.42	5.68		# of strides	11.40	11.10	0.30
	velocity	7.97	9.75	9.23	8.80	8.89	98.2	8.77	9.01	
Battle, Anavia (USA) (1999)	time	6.38	11.48	16.82	22.57	22.57	3 / 3			
	reaction time		5.10	5.34	5.75		# of strides	11.48	11.09	0.39
	velocity	7.84	9.80	9.36	8.70	8.86	96.0	8.71	9.02	
Terry, Twanisha (USA) (1999)	time	6.32	11.40	16.75	22.71	22.71	8 / 4			
	reaction time		5.08	5.35	5.96		# of strides	11.40	11.31	0.09
	velocity	7.91	9.84	9.35	8.39	8.81	100.2	8.77	8.84	
Hill, Candice (USA) (1999)	time	6.41	11.60	17.04	22.88	22.88	6 / 5			
	reaction time		5.19	5.44	5.84		# of strides	11.60	11.28	0.32
	velocity	7.80	9.63	9.19	8.56	8.74	93.0	8.62	8.87	
Chandler, Caisja (USA) (2000)	time	6.42	11.75	17.20	23.08	23.08	9 / 6			
	reaction time		5.33	5.45	5.88		# of strides	11.75	11.33	0.42
	velocity	7.79	9.38	9.17	8.50	8.67	97.0	8.51	8.83	

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

Sturgis, Cambrea (USA) (1999)	time	6.44	11.72	17.32	23.12	23.12	4 / 7			
reaction time	interval		5.28	5.60	5.80		# of strides	11.72	11.40	0.32
	velocity	7.76	9.47	8.93	8.62	8.65	99.0	8.53	8.77	

Heat 3

Heat 3		date	27-Jun-24	wind		0.2 m/s		USATF and Karmarush (2024) - USA Olympic trials results and race analysis					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Brown, Brittany (USA) (1995)	time			6.04	11.13	16.31	22.29	22.29	5 / 1				
	reaction time				5.09	5.18	5.98		# of strides	11.13	11.16	-0.03	
	velocity			8.28	9.82	9.65	8.36	8.97	93.2	8.98	8.96		
Prandini, Jenna (USA) (1992)	time			6.05	11.15	16.48	22.58	22.58	8 / 2				
	reaction time				5.10	5.33	6.10		# of strides	11.15	11.43	-0.28	
	velocity			8.26	9.80	9.38	8.20	8.86	95.5	8.97	8.75		
Clark, Tamara (USA) (1999)	time			6.02	11.37	16.71	22.82	22.82	9 / 3				
	reaction time				5.35	5.34	6.11		# of strides	11.37	11.45	-0.08	
	velocity			8.31	9.35	9.36	8.18	8.76	100.0	8.80	8.73		
Carter, Jassani (USA) (2003)	time			6.03	11.32	16.74	22.85	22.85	7 / 4				
	reaction time				5.29	5.42	6.11		# of strides	11.32	11.53	-0.21	
	velocity			8.29	9.45	9.23	8.18	8.75	97.0	8.83	8.67		
Baylark, Jada (USA) (1997)	time			6.06	11.33	16.92	23.20	23.20	3 / 5				
	reaction time				5.27	5.59	6.28		# of strides	11.33	11.87	-0.54	
	velocity			8.25	9.49	8.94	7.96	8.62	93.0	8.83	8.42		
Tatum, Adriana (USA) (2002)	time			6.31	11.66	17.19	23.25	23.25	6 / 6				
	reaction time				5.35	5.53	6.06		# of strides	11.66	11.59	0.07	
	velocity			7.92	9.35	9.04	8.25	8.60	98.0	8.58	8.63		
Irby-Jackson, Lynna (USA) (1999)	time			6.12	11.39	16.96	23.28	23.28	4 / 7				
	reaction time				5.27	5.57	6.32		# of strides	11.39	11.89	-0.50	
	velocity			8.17	9.49	8.98	7.91	8.59	92.5	8.78	8.41		
Bieber, Halle (USA) (2000)	time			6.22	11.52	17.21	23.71	23.71	2 / 8				
	reaction time				5.30	5.69	6.50		# of strides	11.52	12.19	-0.67	
	velocity			8.04	9.43	8.79	7.69	8.44	98.0	8.68	8.20		

Heat 2

Heat 2		date	27-Jun-24	wind	USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
				0.8 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Long, McKenzie (USA) (2000)	time			6.34	11.52	16.94	22.49	22.49		4 / 1			
	reaction time	interval			5.18	5.42	5.55			# of strides	11.52	10.97	0.55
		velocity			7.89	9.65	9.23	9.01	8.89		103.0	8.68	9.12
Jamison, Jayla (USA) (2003)	time			6.42	11.70	17.26	22.89	22.89		6 / 2			
	reaction time	interval			5.28	5.56	5.63			# of strides	11.70	11.19	0.51
		velocity			7.79	9.47	8.99	8.88	8.74		98.0	8.55	8.94
Cooper, Elise (USA) (2007)	time			6.37	11.60	17.23	23.05	23.05		5 / 3			
	reaction time	interval			5.23	5.63	5.82			# of strides	11.60	11.45	0.15
		velocity			7.85	9.56	8.88	8.59	8.68		91.5	8.62	8.73
Davis, Kenondra (USA) (2003)	time			6.47	11.80	17.25	23.21	23.21		7 / 4			
	reaction time	interval			5.33	5.45	5.96			# of strides	11.80	11.41	0.39
		velocity			7.73	9.38	9.17	8.39	8.62		95.0	8.47	8.76
Dickson, Camryn (USA) (2004)	time			6.42	11.77	17.48	23.37	23.37		3 / 5			
	reaction time	interval			5.35	5.71	5.89			# of strides	11.77	11.60	0.17
		velocity			7.79	9.35	8.76	8.49	8.56		102.7	8.50	8.62

Heat 1

eat 1	date	27-Jun-24	wind	0.5 m/s	USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
			50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
	Richardson, Sha'Carri (USA) (2016)	time	6.12	11.18	16.29	21.99	21.99	6 / 1					
	reaction time	interval		5.06	5.11	5.70		# of strides	11.18	10.81	0.37		
		velocity	8.17	9.88	9.78	8.77	9.10	98.2	8.94	9.25			

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

Steiner, Abby (USA) (1999)	time	6.24	11.46	16.68	22.29	22.29	8 / 2			
	reaction time						# of strides	11.46	10.83	0.63
	velocity	8.01	9.58	9.58	8.91	8.97	102.0	8.73	9.23	
Davis, Tamari (USA) (2003)	time	6.18	11.40	16.78	22.66	22.66	5 / 3			
	reaction time						# of strides	11.40	11.26	0.14
	velocity	8.09	9.58	9.29	8.50	8.83	91.0	8.77	8.88	
Whyte, Madison (USA) (2004)	time	6.45	11.66	17.09	22.93	22.93	4 / 4			
	reaction time						# of strides	11.66	11.27	0.39
	velocity	7.75	9.60	9.21	8.56	8.72	89.7	8.58	8.87	
Kelley, Tiriah (USA) (2004)	time	6.24	11.60	17.01	22.97	22.97	9 / 5			
	reaction time						# of strides	11.60	11.37	0.23
	velocity	8.01	9.33	9.24	8.39	8.71	93.7	8.62	8.80	
Effiong, Rosey (USA) (2001)	time	6.38	11.61	17.03	22.98	22.98	3 / 6			
	reaction time						# of strides	11.61	11.37	0.24
	velocity	7.84	9.56	9.23	8.40	8.70	96.0	8.61	8.80	
Blackmon, Kennedy (USA) (1999)	time	6.39	11.71	17.14	23.00	23.00	7 / 7			
	reaction time						# of strides	11.71	11.29	0.42
	velocity	7.82	9.40	9.21	8.53	8.70	94.2	8.54	8.86	

Heptathlon - Heat 3

date 23-Jun-24 wind 1.8 m/s USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
McMullen, Avery (USA) (2000)	time	6.65	12.22	17.91	23.95	23.95	7 / 1			
	reaction time						# of strides	12.22	11.73	0.49
	velocity	7.52	8.98	8.79	8.28	8.35		8.18	8.53	
Hawkins, Chari (USA) (1991)	time	6.64	12.26	18.00	24.21	24.21	5 / 2			
	reaction time						# of strides	12.26	11.95	0.31
	velocity	7.53	8.90	8.71	8.05	8.26		8.16	8.37	
Chapman, Timara (USA) (2000)	time	6.59	12.25	18.02	24.25	24.25	6 / 3			
	reaction time						# of strides	12.25	12.00	0.25
	velocity	7.59	8.83	8.67	8.03	8.25		8.16	8.33	
O'Brien, Jadin (USA) (2002)	time	6.53	12.35	18.13	24.33	24.33	9 / 4			
	reaction time						# of strides	12.35	11.98	0.37
	velocity	7.66	8.59	8.65	8.06	8.22		8.10	8.35	
Taubert, Lauren (USA) (1998)	time	6.58	12.16	18.00	24.37	24.37	4 / 5			
	reaction time						# of strides	12.16	12.21	-0.05
	velocity	7.60	8.96	8.56	7.85	8.21		8.22	8.19	
Burns, Shaina (USA) (1996)	time	6.88	12.77	18.66	25.20	25.20	8 / 1			
	reaction time						# of strides	12.77	12.43	0.34
	velocity	7.27	8.49	8.49	7.65	7.94		7.83	8.05	

Heptathlon - Heat 2

date 23-Jun-24 wind 1.1 m/s USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hall, Anna (USA) (2001)	time	6.56	12.11	17.79	23.90	23.90	9 / 1			
	reaction time						# of strides	12.11	11.79	0.32
	velocity	7.62	9.01	8.80	8.18	8.37		8.26	8.48	
Nesbitt, Cheyenne (USA) (1999)	time	6.55	12.07	17.79	24.03	24.03	4 / 2			
	reaction time						# of strides	12.07	11.96	0.11
	velocity	7.63	9.06	8.74	8.01	8.32		8.29	8.36	
Bender, Hope (USA) (1997)	time	6.58	12.16	17.86	24.18	24.18	7 / 3			
	reaction time						# of strides	12.16	12.02	0.14
	velocity	7.60	8.96	8.77	7.91	8.27		8.22	8.32	
Marsh, Erin (USA) (1999)	time	6.48	12.07	17.94	24.45	24.45	6 / 4			
	reaction time						# of strides			
	velocity									

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

reaction time	interval	5.59	5.87	6.51		# of strides	12.07	12.38	-0.31
	velocity	7.72	8.94	8.52	7.68	8.18	8.29	8.08	
Zamzow-Mahler, Ashtin (USA)	time	6.73	12.60	18.89	25.76	25.76	8 / 5		
reaction time	interval		5.87	6.29	6.87		# of strides	12.60	13.16
	velocity	7.43	8.52	7.95	7.28	7.76		7.94	7.60

Heptathlon - Heat 1

date 23-Jun-24

wind 0.9 m/s

USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Atherley, Michelle (USA) (1995)	time	6.49	11.76	17.24	23.30	23.30	5 / 1			
reaction time	interval		5.27	5.48	6.06	PB	# of strides	11.76	11.54	0.22
	velocity	7.70	9.49	9.12	8.25	8.58		8.50	8.67	
Jones, Allie (USA) (2000)	time	6.54	11.90	17.42	23.34	23.34	7 / 2			
reaction time	interval		5.36	5.52	5.92	PB	# of strides	11.90	11.44	0.46
	velocity	7.65	9.33	9.06	8.45	8.57		8.40	8.74	
Brooks, Taliyah (USA) (1995)	time	6.51	12.03	17.65	23.74	23.74	6 / 3			
reaction time	interval		5.52	5.62	6.09		# of strides	12.03	11.71	0.32
	velocity	7.68	9.06	8.90	8.21	8.42		8.31	8.54	
Rogers, Jenelle (USA) (2002)	time	6.73	12.11	17.79	23.84	23.84	4 / 4			
reaction time	interval		5.38	5.68	6.05		# of strides	12.11	11.73	0.38
	velocity	7.43	9.29	8.80	8.26	8.39		8.26	8.53	
Bougard, Erica (USA) (1993)	time	6.81	12.11	18.04	24.05	24.05	8 / 5			
reaction time	interval		5.30	5.93	6.01		# of strides	12.11	11.94	0.17
	velocity	7.34	9.43	8.43	8.32	8.32		8.26	8.38	
Gochenour-Brondyke, Alex (US)	time	6.85	12.67	18.49	24.91	24.91	9 / 1			
reaction time	interval		5.82	5.82	6.42		# of strides	12.67	12.24	0.43
	velocity	7.30	8.59	8.59	7.79	8.03		7.89	8.17	

2024 Japanese National Multi-Event Championships (Gifu, JPN)**Heptathlon - Heat 3**

date 22-Jun-24

wind -1.6 m/s

Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2024 season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hemphill, Meg (JPN) (1996)	time	6.85	12.54	18.68	25.43	25.43	8 / 1			
reaction time	interval		5.69	6.14	6.75		# of strides	12.54	12.89	-0.35
	velocity	7.30	8.79	8.14	7.41	7.86		7.97	7.76	

Heptathlon - Heat 2

date 22-Jun-24

wind -1.6 m/s

Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2024 season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Atsuta, Kokoro (JPN) (2001)	time	6.74	12.52	18.67	25.30	25.30	6 / 1			
reaction time	interval		5.78	6.15	6.63		# of strides	12.52	12.78	-0.26
	velocity	7.42	8.65	8.13	7.54	7.91		7.99	7.82	

Heptathlon - Heat 1

date 22-Jun-24

wind -1.9 m/s

Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2024 season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time	6.76	12.44	18.66	25.30	25.30	6 / 1			
reaction time	interval		5.68	6.22	6.64		# of strides	12.44	12.86	-0.42
	velocity	7.40	8.80	8.04	7.53	7.91		8.04	7.78	
Odama, Karin (JPN) (1999)	time	6.97	12.82	19.25	26.30	26.30	7 / 3			
reaction time	interval		5.85	6.43	7.05		# of strides	12.82	13.48	-0.66
	velocity	7.17	8.55	7.78	7.09	7.60		7.80	7.42	

2024 European Athletics Championships (Roma, ITA)**FINAL**

date 11-Jun-24

wind 0.7 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kambundji, Mujinga (SUI) (1992)	0.150	no information available				22.49	6 / 1		# of strides	101.0
Neita, Daryll (GBR) (1996)	0.181	no information available				22.50	8 / 2		# of strides	91.0
Parisot, Helene (FRA) (1992)	0.195	no information available			PB	22.63	3 / 3		# of strides	103.0
Jæger, Henriette (NOR) (2003)	0.159	no information available				22.83	7 / 4		# of strides	96.7
Jiya, Tasa (NED) (1997)	0.188	no information available				22.90	5 / 5		# of strides	94.0
Henriksson, Julia (SWE) (2000)	0.162	no information available				22.91	4 / 6		# of strides	48.2

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

Bestué, Jaël (ESP) (2000)	0.152	no information available
Emmanouilidou, Polyniki (GRE)	0.203	no information available

22.93	9 / 7
23.01	2 / 8

# of strides	103.7
# of strides	105.7

2024 Bauhaus Galan (Stockholm, SWE)**FINAL**

date 02-Jun-24 wind -2.0 m/s

Omega Timing (2024) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time		6.28	11.41	16.77	22.69	22.69	5 / 1			
	reaction time	0.156		5.13	5.36	5.92		# of strides	11.41	11.28	0.13
	velocity		7.96	9.75	9.33	8.45	8.81	96.0	8.76	8.87	
Henriksson, Julia (SWE) (2000)	time		6.41	11.59	16.99	22.89	22.89	2 / 2			
	reaction time	0.145		5.18	5.40	5.90	PB	# of strides	11.59	11.30	0.29
	velocity		7.80	9.65	9.26	8.47	8.74	98.0	8.63	8.85	
Hunt, Amy (GBR) (2002)	time		6.46	11.73	17.09	22.92	22.92	1 / 3			
	reaction time	0.158		5.27	5.36	5.83		# of strides	11.73	11.19	0.54
	velocity		7.74	9.49	9.33	8.58	8.73	94.2	8.53	8.94	
Battle, Anavia (USA) (1999)	time		6.38	11.55	16.95	22.98	22.98	3 / 4			
	reaction time	0.140		5.17	5.40	6.03		# of strides	11.55	11.43	0.12
	velocity		7.84	9.67	9.26	8.29	8.70	97.5	8.66	8.75	
Koné Maboundou (CIV) (1997)	time		6.42	11.66	17.09	23.04	23.04	7 / 5			
	reaction time	0.179		5.24	5.43	5.95		# of strides	11.66	11.38	0.28
	velocity		7.79	9.54	9.21	8.40	8.68	100.7	8.58	8.79	
Jiya, Tasa (NED) (1997)	time		6.55	11.79	17.28	23.25	23.25	8 / 6			
	reaction time	0.168		5.24	5.49	5.97		# of strides	11.79	11.46	0.33
	velocity		7.63	9.54	9.11	8.38	8.60	94.7	8.48	8.73	
Prandini, Jenna (USA) (1992)	time		6.41	11.51	17.04	23.31	23.31	6 / 7			
	reaction time	0.171		5.10	5.53	6.27		# of strides	11.51	11.80	-0.29
	velocity		7.80	9.80	9.04	7.97	8.58	98.0	8.69	8.47	

2024 Shimane High School Championships (Izumo, JPN)**FINAL**

date 26-May-24 wind 1.0 m/s

Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Nagaoka, Risa (JPN) (2008)	time		12.34	18.23	24.51	24.51	24.51	8 / 1			
	reaction time			5.89	6.28			# of strides	12.34	12.17	0.17
	velocity		8.10	8.49	7.96	8.16			8.10	8.22	
Hata, Kokomi (JPN) (2006)	time		12.39	18.32	24.74	24.74	24.74	6 / 2			
	reaction time			5.93	6.42			# of strides	12.39	12.35	0.04
	velocity		8.07	8.43	7.79	8.08			8.07	8.10	
Kazuka, Esumi (JPN)	time		12.50	18.51	24.94	24.94	24.94	5 / 3			
	reaction time			6.01	6.43			# of strides	12.50	12.44	0.06
	velocity		8.00	8.32	7.78	8.02			8.00	8.04	
Tamaki, Mayu (JPN)	time		12.70	18.92	25.60	25.60	25.60	7 / 4			
	reaction time			6.22	6.68			# of strides	12.70	12.90	-0.20
	velocity		7.87	8.04	7.49	7.81			7.87	7.75	
Kaneko, Akira (JPN)	time		12.83	19.09	25.77	25.77	25.77	9 / 5			
	reaction time			6.26	6.68			# of strides	12.83	12.94	-0.11
	velocity		7.79	7.99	7.49	7.76			7.79	7.73	
Yazawa, Sora (JPN)	time		13.46	20.02	27.19	27.19	27.19	4 / 6			
	reaction time			6.56	7.17			# of strides	13.46	13.73	-0.27
	velocity		7.43	7.62	6.97	7.36			7.43	7.28	
Naoko, Wada (JPN)	time		13.30	20.10	27.58	27.58	27.58	2 / 7			
	reaction time			6.80	7.48			# of strides	13.30	14.28	-0.98
	velocity		7.52	7.35	6.68	7.25			7.52	7.00	

Fukuda, Atsushi (JPN)	time	14.07	20.73	28.00	28.00	3 / 8			
reaction time	interval		6.66	7.27		# of strides	14.07	13.93	0.14
	velocity	7.11	7.51	6.88	7.14		7.11	7.18	

2024 Xiamen Diamond League (Xiamen, CHN)**FINAL**

date 20-Apr-24 wind -0.4 m/s

Omega Timing (2024) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lewis, Torrie (AUS) (2005)	time		6.35	11.48	16.95	22.96	22.96	9 / 1			
reaction time	0.153	interval		5.13	5.47	6.01		# of strides	11.48	11.48	0.00
		velocity	7.87	9.75	9.14	8.32	8.71	96.7	8.71	8.71	
Richardson, Sha'Carri (USA) (2019)	time		6.42	11.57	17.00	22.99	22.99	5 / 2			
reaction time	0.187	interval		5.15	5.43	5.99		# of strides	11.57	11.42	0.15
		velocity	7.79	9.71	9.21	8.35	8.70	105.0	8.64	8.76	
Clark, Tamara (USA) (1999)	time		6.44	11.66	17.16	23.01	23.01	4 / 3			
reaction time	0.185	interval		5.22	5.50	5.85		# of strides	11.66	11.35	0.31
		velocity	7.76	9.58	9.09	8.55	8.69	101.0	8.58	8.81	
Battle, Anavia (USA) (1999)	time		6.42	11.57	16.98	23.02	23.02	3 / 4			
reaction time	0.153	interval		5.15	5.41	6.04		# of strides	11.57	11.45	0.12
		velocity	7.79	9.71	9.24	8.28	8.69	98.7	8.64	8.73	
Terry, Twanisha (USA) (1999)	time		6.34	11.53	17.06	23.25	23.25	6 / 5			
reaction time	0.166	interval		5.19	5.53	6.19		# of strides	11.53	11.72	-0.19
		velocity	7.89	9.63	9.04	8.08	8.60	103.2	8.67	8.53	
Kambundji, Mujinga (SUI) (1992)	time		6.36	11.58	17.20	23.39	23.39	8 / 6			
reaction time	0.146	interval		5.22	5.62	6.19		# of strides	11.58	11.81	-0.23
		velocity	7.86	9.58	8.90	8.08	8.55	101.7	8.64	8.47	
Wessolly, Jessica-Bianca (GER) (2000)	time		6.63	12.00	17.59	23.65	23.65	1 / 7			
reaction time	0.187	interval		5.37	5.59	6.06		# of strides	12.00	11.65	0.35
		velocity	7.54	9.31	8.94	8.25	8.46	101.5	8.33	8.58	
Chandler, Caisja (USA) (2000)	time		6.53	11.91	17.56	23.72	23.72	2 / 8			
reaction time	0.151	interval		5.38	5.65	6.16		# of strides	11.91	11.81	0.10
		velocity	7.66	9.29	8.85	8.12	8.43	99.0	8.40	8.47	
Strachan, Anthonique (BAH) (1992)	time		6.53	11.93	17.68	24.21	24.21	7 / 9			
reaction time	0.151	interval		5.40	5.75	6.53		# of strides	11.93	12.28	-0.35
		velocity	7.66	9.26	8.70	7.66	8.26	90.0	8.38	8.14	

2023 Prefontaine Classic (Eugene, OR)**FINAL**

date 17-Sep-23 wind 0.3 m/s

Omega Timing (2023) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time		6.11	11.02	16.10	21.57	21.57	7 / 1			
reaction time	0.152	interval		4.91	5.08	5.47		# of strides	11.02	10.55	0.47
		velocity	8.18	10.18	9.84	9.14	9.27	93.5	9.07	9.48	
Ta Lou, Marie-Josée (CIV) (1988)	time		6.15	11.20	16.45	22.10	22.10	3 / 2			
reaction time	0.149	interval		5.05	5.25	5.65		# of strides	11.20	10.90	0.30
		velocity	8.13	9.90	9.52	8.85	9.05	97.5	8.93	9.17	
Strachan, Anthonique (BAH) (1992)	time		6.32	11.41	16.60	22.16	22.16	8 / 3			
reaction time	0.148	interval		5.09	5.19	5.56		# of strides	11.41	10.75	0.66
		velocity	7.91	9.82	9.63	8.99	9.03	86.7	8.76	9.30	
Terry, Twanisha (USA) (1999)	time		6.19	11.17	16.41	22.21	22.21	9 / 4			
reaction time	0.143	interval		4.98	5.24	5.80		# of strides	11.17	11.04	0.13
		velocity	8.08	10.04	9.54	8.62	9.00	101.7	8.95	9.06	
Neita, Daryll (GBR) (1996)	time		6.29	11.32	16.59	22.35	22.35	4 / 5			
reaction time	0.148	interval		5.03	5.27	5.76		# of strides	11.32	11.03	0.29
		velocity	7.95	9.94	9.49	8.68	8.95	92.0	8.83	9.07	

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

White, Kayla (USA) (1996)	time	6.22	11.32	16.60	22.49	22.49	6 / 6			
reaction time	0.140	interval	5.10	5.28	5.89		# of strides	11.32	11.17	0.15
		velocity	8.04	9.80	9.47	8.89	92.0	8.83	8.95	
Prandini, Jenna (USA) (1992)	time	6.30	11.35	16.68	22.68	22.68	5 / 7			
reaction time	0.179	interval	5.05	5.33	6.00		# of strides	11.35	11.33	0.02
		velocity	7.94	9.90	9.38	8.82	97.0	8.81	8.83	
Jiya, Tasa (NED) (1997)	time	6.41	11.66	17.11	22.92	22.92	2 / 8			
reaction time	0.153	interval	5.25	5.45	5.81		# of strides	11.66	11.26	0.40
		velocity	7.80	9.52	9.17	8.61	8.73	8.58	8.88	
Joseph, Gémima (FRA) (2001)	time	6.44	11.88	17.55	22.62	23.62	1 / 9			
reaction time	0.145	interval	5.44	5.67	5.07		# of strides	11.88	10.74	1.14
		velocity	7.76	9.19	8.82	9.86	8.47	8.42	9.31	

2023 Memorial van damme (Brussels, BEL)**FINAL**

FINAL		date 08-Sep-23		wind 0.2 m/s		Omega Timing (2023) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			6.11	11.00	16.09	21.48	21.48	6 / 1			
	reaction time	0.161	interval		4.89	5.09	5.39		# of strides	11.00	10.48	0.52
			velocity	8.18	10.22	9.82	9.28	9.31	93.0	9.09	9.54	
Strachan, Anthonique (BAH) (1994)	time			6.31	11.37	16.65	22.31	22.31	5 / 2			
	reaction time	0.160	interval		5.06	5.28	5.66		# of strides	11.37	10.94	0.43
			velocity	7.92	9.88	9.47	8.83	8.96	88.0	8.80	9.14	
Prandini, Jenna (USA) (1992)	time			6.35	11.34	16.67	22.47	22.47	4 / 3			
	reaction time	0.203	interval		4.99	5.33	5.80		# of strides	11.34	11.13	0.21
			velocity	7.87	10.02	9.38	8.62	8.90	96.0	8.82	8.98	
Neita, Daryll (GBR) (1996)	time			6.35	11.37	16.71	22.59	22.59	7 / 4			
	reaction time	0.155	interval		5.02	5.34	5.88		# of strides	11.37	11.22	0.15
			velocity	7.87	9.96	9.36	8.50	8.85	92.0	8.80	8.91	
Koné, Maboundou (CIV) (1997)	time			6.31	11.46	16.94	22.79	22.79	3 / 5			
	reaction time	0.182	interval		5.15	5.48	5.85		# of strides	11.46	11.33	0.13
			velocity	7.92	9.71	9.12	8.55	8.78	100.0	8.73	8.83	
Jiya, Tasa (NED) (1997)	time			6.42	11.60	17.08	22.96	22.96	1 / 6			
	reaction time	0.170	interval		5.18	5.48	5.88		# of strides	11.60	11.36	0.24
			velocity	7.79	9.65	9.12	8.50	8.71	93.0	8.62	8.80	
Nkansa, Delphine (BEL) (2001)	time			6.44	11.74	17.42	23.43	23.43	2 / 7			
	reaction time	0.154	interval		5.30	5.68	6.01		# of strides	11.74	11.69	0.05
			velocity	7.76	9.43	8.80	8.32	8.54	102.0	8.52	8.55	

2023 Weltklasse (Zürich, SUI)**FINAL**

		date	31-Aug-23	wind -0.8 m/s			Omega Timing (2023) - diamond league race analysis					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			6.18	11.15	16.32	21.82	21.82	6 / 1			
	reaction time	0.150	interval		4.97	5.17	5.50		# of strides	11.15	10.67	0.48
			velocity	8.09	10.06	9.67	9.09	9.17	94.7	8.97	9.37	
Neita, Daryll (GBR) (1996)	time			6.27	11.24	16.50	22.25	22.25	7 / 2			
	reaction time	0.150	interval		4.97	5.26	5.75		# of strides	11.24	11.01	0.23
			velocity	7.97	10.06	9.51	8.70	8.99	92.7	8.90	9.08	
White, Kayla (USA) (1996)		0.153	no information available					22.33	4 / 3		# of strides	91.7
Kambundji, Mujinga (SUI) (1992)	time			6.27	11.39	16.72	22.46	22.46	8 / 4			
	reaction time	0.134	interval		5.12	5.33	5.74		# of strides	11.39	11.07	0.32
			velocity	7.97	9.77	9.38	8.71	8.90	98.2	8.78	9.03	

Terry, Twanisha (USA) (1999)	time	6.23	11.24	16.63	22.57	22.57	3 / 5			
	reaction time	0.137	interval	5.01	5.39	5.94	# of strides	11.24	11.33	-0.09
	velocity	8.03	9.98	9.28	8.42	8.86	101.0	8.90	8.83	
Strachan, Anthonique (BAH) (1992)	time	6.31	11.41	16.82	22.65	22.65	5 / 6			
	reaction time	0.163	interval	5.10	5.41	5.83	# of strides	11.41	11.24	0.17
	velocity	7.92	9.80	9.24	8.58	8.83	88.0	8.76	8.90	
Prandini, Jenna (USA) (1992)	time	6.35	11.42	16.85	22.78	22.78	1 / 7			
	reaction time	0.176	interval	5.07	5.43	5.93	# of strides	11.42	11.36	0.06
	velocity	7.87	9.86	9.21	8.43	8.78	97.2	8.76	8.80	
Clark, Tamara (USA) (1999)	time	6.32	11.50	16.99	22.94	22.94	2 / 8			
	reaction time	0.145	interval	5.18	5.49	5.95	# of strides	11.50	11.44	0.06
	velocity	7.91	9.65	9.11	8.40	8.72	102.0	8.70	8.74	

2023 World Athletics Championships (Budapest, HUN)

FINAL

		date	25-Aug-23	wind	0.1 m/s	Seiko Timing (2023) - world championship race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time				11.05		21.41	21.41	6 / 1			
	reaction time	0.161	interval				10.36	CR NR PB	# of strides	11.05	10.36	0.69
	velocity				9.05		9.65	9.34	93.0	9.05	9.65	
Thomas, Gabrielle (USA) (1996)	time				11.20		21.81	21.81	8 / 2			
	reaction time	0.162	interval				10.61		# of strides	11.20	10.61	0.59
	velocity				8.93		9.43	9.17	89.5	8.93	9.43	
Richardson, Sha'Carri (USA) (2012)	time				11.30		21.92	21.92	9 / 3			
	reaction time	0.171	interval				10.62	PB	# of strides	11.30	10.62	0.68
	velocity				8.85		9.42	9.12	98.5	8.85	9.42	
Alfred, Julien (LCA) (2001)	time				11.26		22.05	22.05	7 / 4			
	reaction time	0.159	interval				10.79		# of strides	11.26	10.79	0.47
	velocity				8.88		9.27	9.07	97.7	8.88	9.27	
Neita, Daryll (GBR) (1996)	time				11.26		22.16	22.16	5 / 5			
	reaction time	0.148	interval				10.90	PB	# of strides	11.26	10.90	0.36
	velocity				8.88		9.17	9.03	92.0	8.88	9.17	
Strachan, Anthonique (BAH) (1992)	time				11.44		22.29	22.29	3 / 6			
	reaction time	0.171	interval				10.85		# of strides	11.44	10.85	0.59
	velocity				8.74		9.22	8.97	88.0	8.74	9.22	
Asher-Smith, Dina (GBR) (1995)	0.131			no information available				22.34	4 / 7		# of strides	95.0
Ta Lou, Marie-Josée (CIV) (1988)	time				11.41		22.64	22.64	2 / 8			
	reaction time	0.179	interval				11.23		# of strides	11.41	11.23	0.18
	velocity				8.76		8.90	8.83	97.0	8.76	8.90	

Semi-Final 3

Semi-Final 3		date 24-Aug-23		wind -0.2 m/s		Seiko Timing (2023) - world championship race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time				11.20		22.00	22.00	7 / 1			
	reaction time	0.187	interval				10.80		# of strides	11.20	10.80	0.40
			velocity		8.93		9.26	9.09	94.0	8.93	9.26	
Richardson, Sha'Carri (USA) (2012)	time				11.39		22.20	22.20	8 / 2			
	reaction time	0.158	interval				10.81		# of strides	11.39	10.81	0.58
			velocity		8.78		9.25	9.01	99.7	8.78	9.25	
Ta Lou, Marie-Josée (CIV) (1988)	time				11.31		22.26	22.26	6 / 3			
	reaction time	0.157	interval				10.95		# of strides	11.31	10.95	0.36
			velocity		8.84		9.13	8.98	96.2	8.84	9.13	
Williams, Bianca (GBR) (1993)	time				11.46		22.45	22.45	5 / 4			
	reaction time	0.156	interval				10.99	PB	# of strides	11.46	10.99	0.47
			velocity		8.73		9.10	8.91	99.0	8.73	9.10	

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

Bestué, Jaël (ESP) (2000)	time	11.59	22.60	22.60	4 / 5			
reaction time	0.165	interval	11.01		# of strides	11.59	11.01	0.58
		velocity	8.63	9.08	8.85	103.5	8.63	9.08
Pereira, Shanti Veronica (SGP) (	time	11.62	22.79	22.79	9 / 6			
reaction time	0.174	interval	11.17		# of strides	11.62	11.17	0.45
		velocity	8.61	8.95	8.78	98.0	8.61	8.95
Ofili, Favour (NGR) (2002)	time	11.54	22.86	22.86	2 / 7			
reaction time	0.149	interval	11.32		# of strides	11.54	11.32	0.22
		velocity	8.67	8.83	8.75	95.0	8.67	8.83
Bass, Gina (GAM) (1995)	time	11.76	23.10	23.10	3 / 8			
reaction time	0.141	interval	11.34		# of strides	11.76	11.34	0.42
		velocity	8.50	8.82	8.66	103.0	8.50	8.82

Semi-Final 2

date 24-Aug-23 wind -0.2 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Alfred, Julien (LCA) (2001)	time		11.42		22.17	22.17	6 / 1			
reaction time	0.159	interval			10.75		# of strides	11.42	10.75	0.67
		velocity	8.76		9.30	9.02	97.0	8.76	9.30	
Neita, Daryll (GBR) (1996)	0.162	no information available			PB	22.21	8 / 2		# of strides	92.2
Strachan, Anthonique (BAH) (1	time		11.52		22.30	22.30	7 / 3			
reaction time	0.159	interval			10.78		# of strides	11.52	10.78	0.74
		velocity	8.68		9.28	8.97	86.7	8.68	9.28	
White, Kayla (USA) (1996)	time		11.38		22.34	22.34	9 / 4			
reaction time	0.145	interval			10.96		# of strides	11.38	10.96	0.42
		velocity	8.79		9.12	8.95	92.0	8.79	9.12	
Davis, Kevona (JAM) (2001)	time		11.38		22.34	22.34	4 / 5			
reaction time	0.153	interval			10.96		# of strides	11.38	10.96	0.42
		velocity	8.79		9.12	8.95	92.0	8.79	9.12	
Gbai, Jessika (CIV) (1998)	time		11.63		22.88	22.88	5 / 6			
reaction time	0.201	interval			11.25		# of strides	11.63	11.25	0.38
		velocity	8.60		8.89	8.74	92.0	8.60	8.89	
Hodge, Adaejah (IVB) (2006)	time		11.68		22.96	22.96	2 / 7			
reaction time	0.154	interval			11.28		# of strides	11.68	11.28	0.40
		velocity	8.56		8.87	8.71	101.2	8.56	8.87	
Tsimanouskaya, Krystsina (POL	time		11.74		23.34	23.34	3 / 8			
reaction time	0.199	interval			11.60		# of strides	11.74	11.60	0.14
		velocity	8.52		8.62	8.57	101.0	8.52	8.62	

Semi-Final 1

date 24-Aug-23 wind -0.1 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time		11.31		21.97	21.97	8 / 1			
reaction time	0.172	interval			10.66		# of strides	11.31	10.66	0.65
		velocity	8.84		9.38	9.10	89.0	8.84	9.38	
Asher-Smith, Dina (GBR) (1995)	time		11.22		22.28	22.28	6 / 2			
reaction time	0.126	interval			11.06		# of strides	11.22	11.06	0.16
		velocity	8.91		9.04	8.98	95.0	8.91	9.04	
Whyte, Natalliah (JAM) (1997)	time		11.33		22.52	22.52	7 / 3			
reaction time	0.154	interval			11.19		# of strides	11.33	11.19	0.14
		velocity	8.83		8.94	8.88	97.0	8.83	8.94	
Jiya, Tasa (NED) (1997)	time		11.55		22.67	22.67	9 / 4			
reaction time	0.159	interval			11.12	PB	# of strides	11.55	11.12	0.43
		velocity	8.66		8.99	8.82	94.7	8.66	8.99	

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

Fotopoulou, Olivia (CYP) (1996)	time	11.46	22.73	22.73	4 / 5			
reaction time	0.162	interval	11.27		# of strides	11.46	11.27	0.19
		velocity	8.73	8.87	8.80	99.0	8.73	8.87
Koné, Maboundou (CIV) (1997)	time	11.51	22.73	22.73	5 / 6			
reaction time	0.188	interval	11.22	DQ	# of strides	11.51	11.22	0.29
		velocity	8.69	8.91	8.80	99.2	8.69	8.91
Kaddari, Dalia (ITA) (2001)	time	11.61	22.75	22.75	2 / 7 6			
reaction time	0.151	interval	11.14		# of strides	11.61	11.14	0.47
		velocity	8.61	8.98	8.79	97.0	8.61	8.98
Emmanouilidou, Polyniki (GRE)	time	11.74	23.15	23.15	3 / 8 7			
reaction time	0.156	interval	11.41		# of strides	11.74	11.41	0.33
		velocity	8.52	8.76	8.64	105.0	8.52	8.76

Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC

Heat 6

date 23-Aug-23 wind -0.3 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Asher-Smith, Dina (GBR) (1995)	time		11.42		22.46	22.46	8 / 1			
reaction time	0.157	interval			11.04		# of strides	11.42	11.04	0.38
		velocity	8.76		9.06	8.90	95.0	8.76	9.06	
Koné, Maboundou (CIV) (1997)	time		11.60		22.55	22.55	9 / 2			
reaction time	0.182	interval			10.95		# of strides	11.60	10.95	0.65
		velocity	8.62		9.13	8.87	98.0	8.62	9.13	
White, Kayla (USA) (1996)	time		11.54		22.62	22.62	4 / 3			
reaction time	0.144	interval			11.08		# of strides	11.54	11.08	0.46
		velocity	8.67		9.03	8.84	92.2	8.67	9.03	
Kaddari, Dalia (ITA) (2001)	time		11.61		22.67	22.67	6 / 4			
reaction time	0.156	interval			11.06		# of strides	11.61	11.06	0.55
		velocity	8.61		9.04	8.82	96.0	8.61	9.04	
Tsimanouskaya, Krystsina (POL)	time		11.58		22.88	22.88	7 / 5			
reaction time	0.167	interval			11.30		# of strides	11.58	11.30	0.28
		velocity	8.64		8.85	8.74	99.0	8.64	8.85	
Tsuruta, Remi (JPN) (1997)	time	6.43	11.76	17.36	23.49	23.49	5 / 6			Takahashi (2024)
reaction time	0.157	interval	5.33	5.60	6.13		# of strides	11.76	11.73	0.03
		velocity	7.78	9.38	8.93	8.16	99.0	8.50	8.53	
Njobvu, Rhodah (ZAM) (1994)	time		12.06		23.82	23.82	3 / 7			
reaction time	0.180	interval			11.76		# of strides	12.06	11.76	0.30
		velocity	8.29		8.50	8.40	97.0	8.29	8.50	
Rosa, Vitoria Cristina (BRA) (19)	time		12.21		23.86	23.86	2 / 8			
reaction time	0.164	interval			11.65		# of strides	12.21	11.65	0.56
		velocity	8.19		8.58	8.38	97.0	8.19	8.58	

Heat 5

date 23-Aug-23 wind -1.3 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time		11.47		22.26	22.26	8 / 1			
reaction time	0.168	interval			10.79		# of strides	11.47	10.79	0.68
		velocity	8.72		9.27	8.98	88.5	8.72	9.27	
Davis, Kevona (JAM) (2001)	time		11.42		22.49	22.49	3 / 2			
reaction time	0.152	interval			11.07		# of strides	11.42	11.07	0.35
		velocity	8.76		9.03	8.89	91.2	8.76	9.03	
Jiya, Tasa (NED) (1997)	time		11.59		22.97	22.97	4 / 3			
reaction time	0.162	interval			11.38		# of strides	11.59	11.38	0.21
		velocity	8.63		8.79	8.71	93.0	8.63	8.79	
Takács, Boglárka (HUN) (2001)	time		11.68		23.24	23.24	2 / 4			

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

reaction time	0.169	interval		11.56		# of strides	11.68	11.56	0.12
		velocity	8.56	8.65	8.61	96.0	8.56	8.65	
Tamayo, Cecilia (MEX) (1997)	0.155	no information available		23.25	6 / 5			# of strides	98.0
Kotwila, Martyna (POL) (1999)	0.153	no information available		23.34	7 / 6			# of strides	98.5

Jensen, Christine Bjelland (NOF)	time		11.93	23.62	23.62	5 / 7			
reaction time	0.181	interval		11.69		# of strides	11.93	11.69	0.24
		velocity	8.38	8.55	8.47	96.0	8.38	8.55	

Heat 4

date 23-Aug-23 wind -0.4 m/s Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Alfred, Julien (LCA) (2001)	time		★	11.62	★	22.31	22.31	4 / 1			
reaction time	0.174	interval				10.69		# of strides	11.62	10.69	0.93
		velocity		8.61		9.35	8.96	96.7	8.61	9.35	
Whyte, Natalliah (JAM) (1997)	time			11.59		22.44	22.44	8 / 2			
reaction time	0.148	interval				10.85		# of strides	11.59	10.85	0.74
		velocity		8.63		9.22	8.91	96.0	8.63	9.22	
Williams, Bianca (GBR) (1993)	time			11.62		22.67	22.67	7 / 3			
reaction time	0.167	interval				11.05		# of strides	11.62	11.05	0.57
		velocity		8.61		9.05	8.82	98.5	8.61	9.05	
Bass, Gina (GAM) (1995)	time			11.83		23.02	23.02	3 / 4			
reaction time	0.155	interval				11.19		# of strides	11.83	11.19	0.64
		velocity		8.45		8.94	8.69	102.5	8.45	8.94	
Hulls, Georgia (NZL) (1999)	time			11.88		23.36	23.36	2 / 5			
reaction time	0.148	interval				11.48		# of strides	11.88	11.48	0.40
		velocity		8.42		8.71	8.56	99.0	8.42	8.71	
Henriksson, Julia (SWE) (2000)	time			11.91		23.55	23.55	6 / 6			
reaction time	0.138	interval				11.64		# of strides	11.91	11.64	0.27
		velocity		8.40		8.59	8.49	97.0	8.40	8.59	

Heat 3

date 23-Aug-23 wind -0.4 m/s Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			11.41		22.51	22.51	4 / 1			
reaction time	0.191	interval				11.10		# of strides	11.41	11.10	0.31
		velocity		8.76		9.01	8.88	94.5	8.76	9.01	
Pereira, Shanti Veronica (SGP) ()	time			11.64		22.57	22.57	8 / 2			
reaction time	0.187	interval				10.93	NR PB	# of strides	11.64	10.93	0.71
		velocity		8.59		9.15	8.86	97.0	8.59	9.15	
Gbai, Jessika (CIV) (1998)	time			11.82		22.78	22.78	5 / 3			
reaction time	0.198	interval				10.96		# of strides	11.82	10.96	0.86
		velocity		8.46		9.12	8.78	91.0	8.46	9.12	
Hodge, Adaejah (IVB) (2006)	time			11.66		22.82	22.82	6 / 4			
reaction time	0.151	interval				11.16		# of strides	11.66	11.16	0.50
		velocity		8.58		8.96	8.76	101.0	8.58	8.96	
Gogl-Walli, Susanne (AUT) (1999)	time			12.06		23.38	23.38	3 / 5			
reaction time	0.167	interval				11.32		# of strides	12.06	11.32	0.74
		velocity		8.29		8.83	8.55	96.5	8.29	8.83	
Sulyán, Alexa (HUN) (2005)	time			11.87		23.47	23.47	7 / 6			
reaction time	0.163	interval				11.60		# of strides	11.87	11.60	0.27
		velocity		8.42		8.62	8.52	99.2	8.42	8.62	
Caicedo, Nicole (ECU) (2000)	time			11.98		23.51	23.51	2 / 7			
reaction time	0.232	interval				11.53		# of strides	11.98	11.53	0.45
		velocity		8.35		8.67	8.51	96.5	8.35	8.67	

Heat 2

date 23-Aug-23

wind -0.7 m/s

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Richardson, Sha'Carri (USA) (21)	time			11.35		22.16	22.16	6 / 1			
	reaction time	0.168				10.81		# of strides	11.35	10.81	0.54
		interval				9.25	9.03	98.0	8.81	9.25	
	velocity			8.81							
Ta Lou, Marie-Josée (CIV) (1988)	time			11.41		22.26	22.26	5 / 2			
	reaction time	0.173				10.85		# of strides	11.41	10.85	0.56
		interval				9.22	8.98	95.0	8.76	9.22	
	velocity			8.76							
Fotopoulou, Olivia (CYP) (1996)	time			11.36		22.65	22.65	3 / 3			
	reaction time	0.148				11.29	PB	# of strides	11.36	11.29	0.07
		interval				8.86	8.83	99.0	8.80	8.86	
	velocity			8.80							
Emmanouilidou, Polyniki (GRE)	time			11.71		23.00	23.00	7 / 4			
	reaction time	0.163				11.29		# of strides	11.71	11.29	0.42
		interval				8.86	8.70	104.7	8.54	8.86	
	velocity			8.54							
Moore, Ashanti (JAM) (2000)	time			11.75		23.12	23.12	8 / 5			
	reaction time	0.149				11.37		# of strides	11.75	11.37	0.38
		interval				8.80	8.65	91.0	8.51	8.80	
	velocity			8.51							
Bazolo, Loréne Dorcas (POR) (1)	time			11.64		23.13	23.13	2 / 6			
	reaction time	0.163				11.49		# of strides	11.64	11.49	0.15
		interval				8.70	8.65	97.5	8.59	8.70	
	velocity			8.59							
Kortetmaa, Anniina (FIN) (1995)	time			11.82		23.52	23.52	4 / 7			
	reaction time	0.154				11.70		# of strides	11.82	11.70	0.12
		interval				8.55	8.50	98.5	8.46	8.55	
	velocity			8.46							
Semedo, Gorete (STP) (1996)	time			12.02		23.69	23.69	9 / 8			
	reaction time	0.239				11.67		# of strides	12.02	11.67	0.35
		interval				8.57	8.44	98.0	8.32	8.57	
	velocity			8.32							

Heat 1

date 23-Aug-23

wind -0.4 m/s

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Strachan, Anthonique (BAH) (1)	time			11.50		22.31	22.31	9 / 1			
	reaction time	0.169				10.81		# of strides	11.50	10.81	0.69
		interval				9.25	8.96	87.0	8.70	9.25	
	velocity			8.70							
Neita, Daryll (GBR) (1996)	time			11.41		22.39	22.39	7 / 2			
	reaction time	0.161				10.98		# of strides	11.41	10.98	0.43
		interval				9.11	8.93	91.0	8.76	9.11	
	velocity			8.76							
Bestué, Jaël (ESP) (2000)	time			11.61		22.58	22.58	3 / 3			
	reaction time	0.154				10.97		# of strides	11.61	10.97	0.64
		interval				9.12	8.86	104.0	8.61	9.12	
	velocity			8.61							
Ofilí, Favour (NGR) (2002)	time			11.63		22.66	22.66	5 / 4			
	reaction time	0.162				11.03		# of strides	11.63	11.03	0.60
		interval				9.07	8.83	94.7	8.60	9.07	
	velocity			8.60							
Pointet, Léonie (SUI) (2001)	time			11.83		23.16	23.16	8 / 5			
	reaction time	0.147				11.33	PB	# of strides	11.83	11.33	0.50
		interval				8.83	8.64	103.7	8.45	8.83	
	velocity			8.45							
García, Yunisleydis (CUB) (1999)	time			11.67		23.22	23.22	6 / 6			
	reaction time	0.161				11.55		# of strides	11.67	11.55	0.12
		interval				8.66	8.61	97.5	8.57	8.66	
	velocity			8.57							
Azevedo, Ana Carolina (BRA) (1)	time			11.75		23.45	23.45	2 / 7			
	reaction time	0.182				11.70		# of strides	11.75	11.70	0.05
		interval				8.55	8.53	102.5	8.51	8.55	
	velocity			8.51							
Pulkkinen, Aino (FIN) (1998)	time			11.91		23.48	23.48	4 / 8			
	reaction time	0.146				11.57		# of strides	11.91	11.57	0.34

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

velocity 8.40 8.64 8.52 97.0 8.40 8.64

Heptathlon - Heat 3

date 19-Aug-23

wind 0.0 m/s

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Johnson-Thompson, Katarina (time)				12.02		23.48	23.48	6 / 1			
	reaction time	0.184	interval			11.46		# of strides	12.02	11.46	0.56
			velocity	8.32		8.73	8.52	89.5	8.32	8.73	
Hall, Anna (USA) (2001)	time			12.11		23.56	23.56	8 / 2			
	reaction time	0.208	interval			11.45		# of strides	12.11	11.45	0.66
			velocity	8.26		8.73	8.49	90.7	8.26	8.73	
Brooks, Taliyah (USA) (1995)	time			12.02		23.85	23.85	5 / 3			
	reaction time	0.144	interval			11.83		# of strides	12.02	11.83	0.19
			velocity	8.32		8.45	8.39	93.5	8.32	8.45	
Weißenberg, Sophie (GER) (199)	time			12.27		23.88	23.88	7 / 4			
	reaction time	0.193	interval			11.61		# of strides	12.27	11.61	0.66
			velocity	8.15		8.61	8.38	93.0	8.15	8.61	
Dokter, Sofie (NED) (2002)	time			12.44		23.89	23.89	9 / 5			
	reaction time	0.157	interval			11.45		# of strides	12.44	11.45	0.99
			velocity	8.04		8.73	8.37	98.0	8.04	8.73	
Vetter, Anouk (NED) (1993)	time			12.30		24.28	24.28	4 / 6			
	reaction time	0.159	interval			11.98		# of strides	12.30	11.98	0.32
			velocity	8.13		8.35	8.24	96.0	8.13	8.35	
Hawkins, Chari (USA) (1991)	time			12.28		24.38	24.38	3 / 7			
	reaction time	0.167	interval			12.10		# of strides	12.28	12.10	0.18
			velocity	8.14		8.26	8.20	97.0	8.14	8.26	

Heptathlon - Heat 2

date 19-Aug-23

wind -0.1 m/s

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lazraq, Auriana (FRA) (1999)	time			12.27		24.02	24.02	8 / 1			
	reaction time	0.186	interval			11.75	PB	# of strides	12.27	11.75	0.52
			velocity	8.15		8.51	8.33	93.5	8.15	8.51	
Oosterwegel, Emma (NED) (199)	time			12.47		24.58	24.58	5 / 2			
	reaction time	0.193	interval			12.11		# of strides	12.47	12.11	0.36
			velocity	8.02		8.26	8.14	99.0	8.02	8.26	
Vanninen, Saga (FIN) (2003)	time			12.55		24.71	24.71	6 / 3			
	reaction time	0.175	interval			12.16		# of strides	12.55	12.16	0.39
			velocity	7.97		8.22	8.09	96.5	7.97	8.22	
O'Connor, Kate (IRL) (2000)	time			12.57		24.78	24.78	3 / 4			
	reaction time	0.129	interval			12.21		# of strides	12.57	12.21	0.36
			velocity	7.96		8.19	8.07	98.2	7.96	8.19	
Grimm, Vanessa (GER) (1997)	time			12.58		24.91	24.91	9 / 5			
	reaction time	0.205	interval			12.33		# of strides	12.58	12.33	0.25
			velocity	7.95		8.11	8.03	97.0	7.95	8.11	
Turpin, Esther (FRA) (1996)	time			12.67		25.04	25.04	2 / 6			
	reaction time	0.208	interval			12.37		# of strides	12.67	12.37	0.30
			velocity	7.89		8.08	7.99	97.0	7.89	8.08	
Nemes, Rita (HUN) (1989)	time			12.67		25.04	25.04	4 / 7			
	reaction time	0.150	interval			12.37		# of strides	12.67	12.37	0.30
			velocity	7.89		8.08	7.99	93.7	7.89	8.08	
Ligarska, Paulina (POL) (1996)	time			12.81		25.41	25.41	7 / 8			
	reaction time	0.215	interval			12.60		# of strides	12.81	12.60	0.21
			velocity	7.81		7.94	7.87	91.0	7.81	7.94	

Heptathlon - Heat 1

date 19-Aug-23

wind -0.1 m/s

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Vidts, Noor (BEL) (1996)	time			12.45		24.23	24.23	2 / 1			
	reaction time	0.210				11.78		# of strides	12.45	11.78	0.67
		interval									
		velocity		8.03		8.49	8.25	95.2	8.03	8.49	
Cambours, Léonie (FRA) (2000)	time			12.79		25.03	25.03	7 / 2			
	reaction time	0.167				12.24		# of strides	12.79	12.24	0.55
		interval									
		velocity		7.82		8.17	7.99	101.0	7.82	8.17	
Krizsán, Xénia (HUN) (1993)	time			12.71		25.16	25.16	4 / 3			
	reaction time	0.175				12.45		# of strides	12.71	12.45	0.26
		interval				8.03	7.95	94.0	7.87	8.03	
		velocity		7.87							
Voronina, Ekaterina (UZB) (1992)	time			12.81		25.48	25.48	6 / 4			
	reaction time	0.153				12.67		# of strides	12.81	12.67	0.14
		interval									
		velocity		7.81		7.89	7.85	96.0	7.81	7.89	
Valeria, Martha (COL) (1996)	time			12.64		25.67	25.67	5 / 5			
	reaction time	0.184				13.03		# of strides	12.64	13.03	-0.39
		interval									
		velocity		7.91		7.67	7.79	103.0	7.91	7.67	
Lagger, Sarah (AUT) (1999)	time			13.04		25.86	25.86	3 / 6			
	reaction time	0.220				12.82		# of strides	13.04	12.82	0.22
		interval									
		velocity		7.67		7.80	7.73	96.7	7.67	7.80	

2023 Japanese National High School Championships (Sapporo, JPN)

FINAL

date 05-Aug-23

wind 0.2 m/s

Takashima (2023) - national high school sports festival - biomechanics data

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamagata, Aiha (JPN) (2005)	time		6.56	12.14	17.86	23.97	23.97	5 / 1			
	reaction time	0.257		5.58	5.72	6.11		# of strides	12.14	11.83	0.31
		interval									
		velocity	7.62	8.96	8.74	8.18	8.34		8.24	8.45	
Yuu, Mizuki (JPN)	time		6.70	12.34	18.11	24.27	24.27	4 / 2			
	reaction time	0.212		5.64	5.77	6.16		# of strides	12.34	11.93	0.41
		interval									
		velocity	7.46	8.87	8.67	8.12	8.24		8.10	8.38	
Shibafuji, Nao (JPN)	time		6.55	12.29	18.17	24.37	24.37	7 / 3			
	reaction time	0.220		5.74	5.88	6.20		# of strides	12.29	12.08	0.21
		interval									
		velocity	7.63	8.71	8.50	8.06	8.21		8.14	8.28	
Sugimoto, Shinyui (JPN)	time		6.83	12.67	18.44	24.42	24.42	8 / 4			
	reaction time	0.210		5.84	5.77	5.98		# of strides	12.67	11.75	0.92
		interval									
		velocity	7.32	8.56	8.67	8.36	8.19		7.89	8.51	
Miura, Karen (JPN) (2005)	time		6.73	12.53	18.41	24.62	24.62	2 / 5			
	reaction time	0.198		5.80	5.88	6.21		# of strides	12.53	12.09	0.44
		interval									
		velocity	7.43	8.62	8.50	8.05	8.12		7.98	8.27	
Numa, Nagisa (JPN)	time		6.56	12.30	18.24	24.66	24.66	6 / 6			
	reaction time	0.227		5.74	5.94	6.42		# of strides	12.30	12.36	-0.06
		interval									
		velocity	7.62	8.71	8.42	7.79	8.11		8.13	8.09	
Yasuzu, Chiba (JPN)	time		6.76	12.50	18.40	24.66	24.66	3 / 7			
	reaction time	0.240		5.74	5.90	6.26		# of strides	12.50	12.16	0.34
		interval									
		velocity	7.40	8.71	8.47	7.99	8.11		8.00	8.22	
Seta, Hina (JPN)	time		7.02	12.80	18.63	24.80	24.80	9 / 8			
	reaction time	0.304		5.78	5.83	6.17		# of strides	12.80	12.00	0.80
		interval									
		velocity	7.12	8.65	8.58	8.10	8.06		7.81	8.33	

2023 Herculis Meeting International d'Athlétisme (Monaco, MON)

FINAL

date 21-Jul-23

wind 0.2 m/s

Omega Timing (2023) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time		6.22	11.20	16.38	21.86	21.86	5 / 1			

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

reaction time	0.163	interval	4.98	5.18	5.48		# of strides	11.20	10.66	0.54
velocity	8.04	10.04	9.65	9.12	9.15		93.0	8.93	9.38	
Alfred, Julien (LCA) (2001)	time	6.23	11.26	16.50	22.08	22.08	7 / 2			
reaction time	0.210	interval	5.03	5.24	5.58		# of strides	11.26	10.82	0.44
velocity	8.03	9.94	9.54	8.96	9.06		99.0	8.88	9.24	
Asher-Smith, Dina (GBR) (1995)	time	6.12	11.16	16.48	22.23	22.23	4 / 3			
reaction time	0.153	interval	5.04	5.32	5.75		# of strides	11.16	11.07	0.09
velocity	8.17	9.92	9.40	8.70	9.00		95.0	8.96	9.03	
Strachan, Anthonique (BAH) (1995)	time	6.33	11.43	16.75	22.40	22.40	2 / 4			
reaction time	0.158	interval	5.10	5.32	5.65		# of strides	11.43	10.97	0.46
velocity	7.90	9.80	9.40	8.85	8.93			8.75	9.12	
Neita, Daryll (GBR) (1996)	time	6.44	11.50	16.81	22.54	22.54	1 / 5			
reaction time	0.218	interval	5.06	5.31	5.73		# of strides	11.50	11.04	0.46
velocity	7.76	9.88	9.42	8.73	8.87			8.70	9.06	
White, Kayla (USA) (1996)	time	6.24	11.35	16.72	22.54	22.54	3 / 5			
reaction time	0.153	interval	5.11	5.37	5.82		# of strides	11.35	11.19	0.16
velocity	8.01	9.78	9.31	8.59	8.87			8.81	8.94	
Thomas, Gabrielle (USA) (1996)	time	6.29	11.33	16.78	22.67	22.67	6 / 7			
reaction time	0.200	interval	5.04	5.45	5.89		# of strides	11.33	11.34	-0.01
velocity	7.95	9.92	9.17	8.49	8.82		88.2	8.83	8.82	
Clark, Tamara (USA) (1999)	time	6.31	11.45	16.96	22.83	22.83	8 / 8			
reaction time	0.202	interval	5.14	5.51	5.87		# of strides	11.45	11.38	0.07
velocity	7.92	9.73	9.07	8.52	8.76			8.73	8.79	

2023 Bauhaus Galan (Stockholm, SWE)

FINAL

date 02-Jul-23		wind -0.6 m/s		Omega Timing (2023) - diamond league race analysis						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Neita, Daryll (GBR) (1996)	time	6.32	11.37	16.65	22.50	22.50	7 / 1			
reaction time	0.175	interval	5.05	5.28	5.85		# of strides	11.37	11.13	0.24
velocity	7.91	9.90	9.47	8.55	8.89		93.0	8.80	8.98	
Asher-Smith, Dina (GBR) (1995)	time	6.14	11.25	16.62	22.58	22.58	4 / 2			
reaction time	0.158	interval	5.11	5.37	5.96		# of strides	11.25	11.33	-0.08
velocity	8.14	9.78	9.31	8.39	8.86		97.0	8.89	8.83	
Bestué, Jaël (ESP) (2000)	time	6.34	11.44	16.78	22.59	22.59	3 / 3			
reaction time	0.169	interval	5.10	5.34	5.81		# of strides	11.44	11.15	0.29
velocity	7.89	9.80	9.36	8.61	8.85		104.0	8.74	8.97	
Ta Lou, Marie-Josée (CIV) (1988)	time	6.21	11.34	16.73	22.70	22.70	5 / 4			
reaction time	0.152	interval	5.13	5.39	5.97		# of strides	11.34	11.36	-0.02
velocity	8.05	9.75	9.28	8.38	8.81		48.7	8.82	8.80	
Koné, Maboundou (CIV) (1997)	time	6.30	11.52	17.02	22.99	22.99	6 / 5			
reaction time	0.201	interval	5.22	5.50	5.97		# of strides	11.52	11.47	0.05
velocity	7.94	9.58	9.09	8.38	8.70		101.0	8.68	8.72	
Jiya, Tasa (NED) (1997)	time	6.44	11.69	17.19	23.15	23.15	8 / 6			
reaction time	0.205	interval	5.25	5.50	5.96		# of strides	11.69	11.46	0.23
velocity	7.76	9.52	9.09	8.39	8.64		93.0	8.55	8.73	
Henriksson, Julia (SWE) (2000)	time	6.45	11.76	17.29	23.37	23.37	1 / 7			
reaction time	0.136	interval	5.31	5.53	6.08		# of strides	11.76	11.61	0.15
velocity	7.75	9.42	9.04	8.22	8.56		97.0	8.50	8.61	
Takács, Boglárka (HUN) (2001)	time	6.48	11.77	17.35	23.62	23.62	2 / 8			
reaction time	0.178	interval	5.29	5.58	6.27		# of strides	11.77	11.85	-0.08
velocity	7.72	9.45	8.96	7.97	8.47		99.2	8.50	8.44	

2023 Athletissima (Lausanne, SUI)

FINAL

date 30-Jun-23

wind -0.4 m/s

Omega Timing (2023) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jiya, Tasa (NED) (1997)	time		6.45	11.70	17.24	23.16	23.16	5 / 1			
	reaction time	0.190		5.25	5.54	5.92		# of strides	11.70	11.46	0.24
	velocity		7.75	9.52	9.03	8.45	8.64		8.55	8.73	
Burghardt, Alexandra (GER) (1997)	time		6.42	11.68	17.26	23.43	23.43	4 / 2			
	reaction time	0.176		5.26	5.58	6.17		# of strides	11.68	11.75	-0.07
	velocity		7.79	9.51	8.96	8.10	8.54		8.56	8.51	
Atcho, Sarah (SUI) (1995)	time		6.43	11.72	17.36	23.53	23.53	6 / 3			
	reaction time	0.129		5.29	5.64	6.17		# of strides	11.72	11.81	-0.09
	velocity		7.78	9.45	8.87	8.10	8.50		8.53	8.47	
Graversgaard, Mette (DEN) (1999)	time		6.42	11.74	17.40	23.56	23.56	3 / 4			
	reaction time	0.153		5.32	5.66	6.16		# of strides	11.74	11.82	-0.08
	velocity		7.79	9.40	8.83	8.12	8.49		8.52	8.46	
Pointet, Leonie (SUI) (2001)	time		6.44	11.78	17.44	23.58	23.58	8 / 5			
	reaction time	0.156		5.34	5.66	6.14		# of strides	11.78	11.80	-0.02
	velocity		7.76	9.36	8.83	8.14	8.48		8.49	8.47	
Sedney, Zoë (NED) (2001)	time		6.39	11.68	17.38	23.60	23.60	7 / 6			
	reaction time	0.161		5.29	5.70	6.22		# of strides	11.68	11.92	-0.24
	velocity		7.82	9.45	8.77	8.04	8.47		8.56	8.39	
Bürgi, Céline (SUI) (1999)	time		6.42	11.74	17.40	23.60	23.60	2 / 7			
	reaction time	0.132		5.32	5.66	6.20		# of strides	11.74	11.86	-0.12
	velocity		7.79	9.40	8.83	8.06	8.47		8.52	8.43	
Caligiuri, Iris (SUI) (2003)	time		6.59	12.06	17.92	24.38	24.38	1 / 8			
	reaction time	0.143		5.47	5.86	6.46		# of strides	12.06	12.32	-0.26
	velocity		7.59	9.14	8.53	7.74	8.20		8.29	8.12	

2023 Chinese World Championship & Asian Games Trials (Shenyang, CHN)

FINAL

date 29-Jun-23

wind 0.5 m/s

Shandong Athletics Sport Science (2023)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huang Guifen (CHN) (1997)	time			12.08	17.69	23.59	23.59	6 / 1			
	reaction time	0.206			5.61	5.90		# of strides	12.08	11.51	0.57
	velocity			8.28	8.91	8.47	8.48	96.0	8.28	8.69	
Cai Yanting (CHN) (2000)	time			12.16	17.87	23.90	23.90	5 / 2			
	reaction time	0.214			5.71	6.03		# of strides	12.16	11.74	0.42
	velocity			8.22	8.76	8.29	8.37	99.7	8.22	8.52	
Liu Yinglan (CHN) (2005)	time			12.26	17.98	23.91	23.91	7 / 3			
	reaction time	0.196			5.72	5.93		# of strides	12.26	11.65	0.61
	velocity			8.16	8.74	8.43	8.36	96.7	8.16	8.58	
Hao Miao (CHN) (2002)	time			12.25	18.04	24.16	24.16	8 / 4			
	reaction time	0.205			5.79	6.12		# of strides	12.25	11.91	0.34
	velocity			8.16	8.64	8.17	8.28	98.0	8.16	8.40	
Lin Xinyi (CHN) (2001)	time			12.32	18.11	24.25	24.25	1 / 5			
	reaction time	0.220			5.79	6.14		# of strides	12.32	11.93	0.39
	velocity			8.12	8.64	8.14	8.25	104.0	8.12	8.38	
Liu Guoyi (CHN) (2004)	time			12.44	18.30	24.75	24.75	3 / 6			
	reaction time	0.292			5.86	6.45		# of strides	12.44	12.31	0.13
	velocity			8.04	8.53	7.75	8.08	100.0	8.04	8.12	

Heat 2

date 28-Jun-23

wind 0.5 m/s

Shandong Athletics Sport Science (2023)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Cai Yanting (CHN) (2000)	time			11.78	17.43	23.68	23.68	7 / 1			

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

										35 of 162	W200m meeting
reaction time	0.198	interval		5.65	6.25		# of strides	11.78	11.90	-0.12	
		velocity	8.49	8.85	8.00	8.45	100.0	8.49	8.40		
Liu Yinglan (CHN) (2005)	time		11.96	17.59	23.73	23.73	4 / 2				
reaction time	0.198	interval		5.63	6.14	PB	# of strides	11.96	11.77	0.19	
		velocity	8.36	8.88	8.14	8.43	95.7	8.36	8.50		
Hao Miao (CHN) (2002)	time		11.79	17.47	23.79	23.79	2 / 3				
reaction time	0.197	interval		5.68	6.32	PB	# of strides	11.79	12.00	-0.21	
		velocity	8.48	8.80	7.91	8.41	99.0	8.48	8.33		
Ma Chengna (CHN) (2000)	time		11.61	17.30	23.88	23.88	3 / 4				
reaction time	0.181	interval		5.69	6.58	PB	# of strides	11.61	12.27	-0.66	
		velocity	8.61	8.79	7.60	8.38	100.0	8.61	8.15		
Lin Xinyi (CHN) (2001)	time		11.76	17.57	24.03	24.03	6 / 5				
reaction time	0.150	interval		5.81	6.46		# of strides	11.76	12.27	-0.51	
		velocity	8.50	8.61	7.74	8.32	105.0	8.50	8.15		

Heat 1

		date	28-Jun-23	wind	0.2 m/s							Shandong Athletics Sport Science (2023)
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huang Guifen (CHN) (1997)	time			11.78	17.39	23.49	23.49	6 / 1				
reaction time	0.161	interval			5.61	6.10		# of strides	11.78	11.71	0.07	
		velocity		8.49	8.91	8.20	8.51	96.0	8.49	8.54		
Li Yuting (CHN) (2002)	time			11.98	17.67	23.94	23.94	4 / 2				
reaction time	0.181	interval			5.69	6.27		# of strides	11.98	11.96	0.02	
		velocity		8.35	8.79	7.97	8.35	90.0	8.35	8.36		
Liu Guoyi (CHN) (2004)	time			12.10	17.84	24.05	24.05	5 / 3				
reaction time	0.175	interval			5.74	6.21	PB	# of strides	12.10	11.95	0.15	
		velocity		8.26	8.71	8.05	8.32	99.0	8.26	8.37		

2023 Japanese Multi-Event National Championships (Akita, JPN)

Heptathlon - Heat 3

		date	10-Jun-23	wind	0.1 m/s							Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2023 season
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time			6.81	12.51	18.59	25.34	25.34	5 / 2			
reaction time		interval			5.70	6.08	6.75		# of strides	12.51	12.83	-0.32
		velocity		7.34	8.77	8.22	7.41	7.89		7.99	7.79	
Odama, Karin (JPN) (1999)	time			7.08	12.93	19.10	25.91	25.91	8 / 4			
reaction time		interval			5.85	6.17	6.81		# of strides	12.93	12.98	-0.05
		velocity		7.06	8.55	8.10	7.34	7.72		7.73	7.70	

2023 Meeting de Paris (Paris, FRA)

FINAL

		date	09-Jun-23	wind	-0.4 m/s							Omega Timing (2023) - diamond league race analysis
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time			6.18	11.21	16.42	22.05	22.05	6 / 1			
reaction time	0.170	interval			5.03	5.21	5.63		# of strides	11.21	10.84	0.37
		velocity		8.09	9.94	9.60	8.88	9.07	88.0	8.92	9.23	
Steiner, Abby (USA) (1999)	time			6.25	11.30	16.57	22.34	22.34	4 / 2			
reaction time	0.176	interval			5.05	5.27	5.77		# of strides	11.30	11.04	0.26
		velocity		8.00	9.90	9.49	8.67	8.95	102.0	8.85	9.06	
Ta Lou, Marie-Josée (CIV) (1988)	time			6.11	11.18	16.49	22.34	22.34	7 / 3			
reaction time	0.168	interval			5.07	5.31	5.85		# of strides	11.18	11.16	0.02
		velocity		8.18	9.86	9.42	8.55	8.95	98.5	8.94	8.96	
Asher-Smith, Dina (GBR) (1995)	time			6.10	11.24	16.63	22.57	22.57	5 / 4			
reaction time	0.139	interval			5.14	5.39	5.94		# of strides	11.24	11.33	-0.09
		velocity		8.20	9.73	9.28	8.42	8.86	96.2	8.90	8.83	
White, Kayla (USA) (1996)	time			6.20	11.32	16.73	22.67	22.67	8 / 5			
reaction time	0.173	interval			5.12	5.41	5.94		# of strides	11.32	11.35	-0.03

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	velocity	8.06	9.77	9.24	8.42	8.82	94.0	8.83	8.81	
Prandini, Jenna (USA) (1992)	time	6.26	11.33	16.74	22.76	22.76	3 / 6			
reaction time	0.187	interval	5.07	5.41	6.02		# of strides	11.33	11.43	-0.10
	velocity	7.99	9.86	9.24	8.31	8.79	97.0	8.83	8.75	
Clark, Tamara (USA) (1999)	time	6.28	11.53	16.98	22.86	22.86	2 / 7			
reaction time	0.196	interval	5.25	5.45	5.88		# of strides	11.53	11.33	0.20
	velocity	7.96	9.52	9.17	8.50	8.75	102.0	8.67	8.83	
Joseph, Gémima (FRA) (2001)	time	6.27	11.63	17.24	23.34	23.34	1 / 8			
reaction time	0.169	interval	5.36	5.61	6.10		# of strides	11.63	11.71	-0.08
	velocity	7.97	9.33	8.91	8.20	8.57	101.5	8.60	8.54	

2023 FBK Games (Hengelo, NED)**FINAL**

		date	04-Jun-23	wind	1.4 m/s	Omega Timing (2023) - continental tour race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hemida, Bassant (EGY) (1996)	time			6.40	11.57	16.82	22.41	22.41	6 / 1			
	reaction time	0.171	interval		5.17	5.25	5.59	NR PB	# of strides	11.57	10.84	0.73
			velocity	7.81	9.67	9.52	8.94	8.92	100.2	8.64	9.23	
Klaver, Lieke (NED) (1998)	time			6.45	11.60	16.90	22.51	22.51	5 / 2			
	reaction time	0.197	interval		5.15	5.30	5.61	PB	# of strides	11.60	10.91	0.69
			velocity	7.75	9.71	9.43	8.91	8.88	92.0	8.62	9.17	
White, Kayla (USA) (1996)	time			6.24	11.38	16.77	22.56	22.56	4 / 3			
	reaction time	0.144	interval		5.14	5.39	5.79		# of strides	11.38	11.18	0.20
			velocity	8.01	9.73	9.28	8.64	8.87	93.5	8.79	8.94	
Jiya, Tasa (NED) (1997)	time			6.38	11.61	17.01	22.84	22.84	7 / 4			
	reaction time	0.170	interval		5.23	5.40	5.83	PB	# of strides	11.61	11.23	0.38
			velocity	7.84	9.56	9.26	8.58	8.76	92.0	8.61	8.90	
Rosa, Vitoria Cristina (BRA) (1999)	time			6.52	11.79	17.21	23.03	23.03	3 / 5			
	reaction time	0.189	interval		5.27	5.42	5.82		# of strides	11.79	11.24	0.55
			velocity	7.67	9.49	9.23	8.59	8.68	94.7	8.48	8.90	
Atcho, Sarah (SUI) (1995)	time			6.45	11.66	17.15	23.18	23.18	8 / 6			
	reaction time	0.150	interval		5.21	5.49	6.03		# of strides	11.66	11.52	0.14
			velocity	7.75	9.60	9.11	8.29	8.63		8.58	8.68	
Samuel, Jamile (NED) (1992)	time			6.56	11.94	17.50	23.45	23.45	2 / 7			
	reaction time	0.155	interval		5.38	5.56	5.95		# of strides	11.94	11.51	0.43
			velocity	7.62	9.29	8.99	8.40	8.53	100.5	8.38	8.69	
Wessolly, Jessica-Bianca (GER) (1999)	time			6.74	12.21	17.91	24.04	24.04	1 / 8			
	reaction time	0.187	interval		5.47	5.70	6.13		# of strides	12.21	11.83	0.38
			velocity	7.42	9.14	8.77	8.16	8.32	100.5	8.19	8.45	

2023 Japanese National Championships (Osaka, JPN)**FINAL**

	date	04-Aug-23	wind	-0.2 m/s	Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kimishima, Arisa (JPN) (1995)	time		6.40	11.72	17.26	23.17	23.17	7 / 1			
reaction time	0.184	interval		5.32	5.54	5.91	PB	# of strides	11.72	11.45	0.27
		velocity	7.81	9.40	9.03	8.46	8.63	96.2	8.53	8.73	
Tsuruta, Remi (JPN) (1997)	time		6.50	11.81	17.42	23.49	23.49	2 / 2			
reaction time	0.170	interval		5.31	5.61	6.07		# of strides	11.81	11.68	0.13
		velocity	7.69	9.42	8.91	8.24	8.51	98.0	8.47	8.56	
Kuboyama, Haruna (JPN) (1996)	time		6.43	11.76	17.41	23.57	23.57	5 / 3			
reaction time	0.175	interval		5.33	5.65	6.16	PB	# of strides	11.76	11.81	-0.05
		velocity	7.78	9.38	8.85	8.12	8.49	104.2	8.50	8.47	
Aono, Shuri (JPN) (2000)	time		6.50	11.77	17.38	23.59	23.59	6 / 4			

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

reaction time	0.142	interval	5.27	5.61	6.21	# of strides	11.77	11.82	-0.05
velocity	7.69	9.49	8.91	8.05	8.48	103.5	8.50	8.46	

2023 Japanese U20 National Championships (Osaka, JPN)**FINAL**

date 02-Aug-23 wind -0.5 m/s Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sugimoto, Miu (JPN) (2006)	time	6.70	12.25	17.99	23.96	23.96	6 / 1			
reaction time	0.162	interval	5.55	5.74	5.97	PB	# of strides	12.25	11.71	0.54
	velocity	7.46	9.01	8.71	8.38	8.35	101.7	8.16	8.54	
Kurashige, Miu (JPN) (2004)	time	6.49	11.91	17.70	23.96	23.96	5 / 2			
reaction time	0.160	interval	5.42	5.79	6.26		# of strides	11.91	12.05	-0.14
	velocity	7.70	9.23	8.64	7.99	8.35	99.0	8.40	8.30	
Yamakoshi, Riko (JPN) (2004)	time	6.70	12.10	17.89	24.33	24.33	4 / 3			
reaction time	0.255	interval	5.40	5.79	6.44		# of strides	12.10	12.23	-0.13
	velocity	7.46	9.26	8.64	7.76	8.22	102.0	8.26	8.18	

2023 Chinese National Grand Prix 4 (Chongqing, CHN)**FINAL**

date 04-Jun-23 wind -0.1 m/s Shandong Athletics Sport Science (2023)

		date	0-100m	100-200m	200-300m	300-400m	400-500m	500-600m	600-700m	700-800m	800-900m	900-1000m	1000-1100m	1100-1200m	1200-1300m	1300-1400m	1400-1500m	1500-1600m	1600-1700m	1700-1800m	1800-1900m	1900-2000m	2000-2100m	2100-2200m	2200-2300m	2300-2400m	2400-2500m	2500-2600m	2600-2700m	2700-2800m	2800-2900m	2900-3000m	3000-3100m	3100-3200m	3200-3300m	3300-3400m	3400-3500m	3500-3600m	3600-3700m	3700-3800m	3800-3900m	3900-4000m	4000-4100m	4100-4200m	4200-4300m	4300-4400m	4400-4500m	4500-4600m	4600-4700m	4700-4800m	4800-4900m	4900-5000m	5000-5100m	5100-5200m	5200-5300m	5300-5400m	5400-5500m	5500-5600m	5600-5700m	5700-5800m	5800-5900m	5900-6000m	6000-6100m	6100-6200m	6200-6300m	6300-6400m	6400-6500m	6500-6600m	6600-6700m	6700-6800m	6800-6900m	6900-7000m	7000-7100m	7100-7200m	7200-7300m	7300-7400m	7400-7500m	7500-7600m	7600-7700m	7700-7800m	7800-7900m	7900-8000m	8000-8100m	8100-8200m	8200-8300m	8300-8400m	8400-8500m	8500-8600m	8600-8700m	8700-8800m	8800-8900m	8900-9000m	9000-9100m	9100-9200m	9200-9300m	9300-9400m	9400-9500m	9500-9600m	9600-9700m	9700-9800m	9800-9900m	9900-10000m	10000-10100m	10100-10200m	10200-10300m	10300-10400m	10400-10500m	10500-10600m	10600-10700m	10700-10800m	10800-10900m	10900-11000m	11000-11100m	11100-11200m	11200-11300m	11300-11400m	11400-11500m	11500-11600m	11600-11700m	11700-11800m	11800-11900m	11900-12000m	12000-12100m	12100-12200m	12200-12300m	12300-12400m	12400-12500m	12500-12600m	12600-12700m	12700-12800m	12800-12900m	12900-13000m	13000-13100m	13100-13200m	13200-13300m	13300-13400m	13400-13500m	13500-13600m	13600-13700m	13700-13800m	13800-13900m	13900-14000m	14000-14100m	14100-14200m	14200-14300m	14300-14400m	14400-14500m	14500-14600m	14600-14700m	14700-14800m	14800-14900m	14900-15000m	15000-15100m	15100-15200m	15200-15300m	15300-15400m	15400-15500m	15500-15600m	15600-15700m	15700-15800m	15800-15900m	15900-16000m	16000-16100m	16100-16200m	16200-16300m	16300-16400m	16400-16500m	16500-16600m	16600-16700m	16700-16800m	16800-16900m	16900-17000m	17000-17100m	17100-17200m	17200-17300m	17300-17400m	17400-17500m	17500-17600m	17600-17700m	17700-17800m	17800-17900m	17900-18000m	18000-18100m	18100-18200m	18200-18300m	18300-18400m	18400-18500m	18500-18600m	18600-18700m	18700-18800m	18800-18900m	18900-19000m	19000-19100m	19100-19200m	19200-19300m	19300-19400m	19400-19500m	19500-19600m	19600-19700m	19700-19800m	19800-19900m	19900-20000m	20000-20100m	20100-20200m	20200-20300m	20300-20400m	20400-20500m	20500-20600m	20600-20700m	20700-20800m	20800-20900m	20900-21000m	21000-21100m	21100-21200m	21200-21300m	21300-21400m	21400-21500m	21500-21600m	21600-21700m	21700-21800m	21800-21900m	21900-22000m	22000-22100m	22100-22200m	22200-22300m	22300-22400m	22400-22500m	22500-22600m	22600-22700m	22700-22800m	22800-22900m	22900-23000m	23000-23100m	23100-23200m	23200-23300m	23300-23400m	23400-23500m	23500-23600m	23600-23700m	23700-23800m	23800-23900m	23900-24000m	24000-24100m	24100-24200m	24200-24300m	24300-24400m	24400-24500m	24500-24600m	24600-24700m	24700-24800m	24800-24900m	24900-25000m	25000-25100m	25100-25200m	25200-25300m	25300-25400m	25400-25500m	25500-25600m	25600-25700m	25700-25800m	25800-25900m	25900-26000m	26000-26100m	26100-26200m	26200-26300m	26300-26400m	26400-26500m	26500-26600m	26600-26700m	26700-26800m	26800-26900m	26900-27000m	27000-27100m	27100-27200m	27200-27300m	27300-27400m	27400-27500m	27500-27600m	27600-27700m	27700-27800m	27800-27900m	27900-28000m	28000-28100m	28100-28200m	28200-28300m	28300-28400m	28400-28500m	28500-28600m	28600-28700m	28700-28800m	28800-28900m	28900-29000m	29000-29100m	29100-29200m	29200-29300m	29300-29400m	29400-29500m	29500-29600m	29600-29700m	29700-29800m	29800-29900m	29900-30000m	30000-30100m	30100-30200m	30200-30300m	30300-30400m	30400-30500m	30500-30600m	30600-30700m	30700-30800m	30800-30900m	30900-31000m	31000-31100m	31100-31200m	31200-31300m	31300-31400m	31400-31500m	31500-31600m	31600-31700m	31700-31800m	31800-31900m	31900-32000m	32000-32100m	32100-32200m	32200-32300m	32300-32400m	32400-32500m	32500-32600m	32600-32700m	32700-32800m	32800-32900m	32900-33000m	33000-33100m	33100-33200m	33200-33300m	33300-33400m	33400-33500m	33500-33600m	33600-33700m	33700-33800m	33800-33900m	33900-34000m	34000-34100m	34100-34200m	34200-34300m	34300-34400m	34400-34500m	34500-34600m	34600-34700m	34700-34800m	34800-34900m	34900-35000m	35000-35100m	35100-35200m	35200-35300m	35300-35400m	35400-35500m	35500-35600m	35600-35700m	35700-35800m	35800-35900m	35900-36000m	36000-36100m	36100-36200m	36200-36300m	36300-36400m	36400-36500m	36500-36600m	36600-36700m	36700-36800m	36800-36900m	36900-37000m	37000-37100m	37100-37200m	37200-37300m	37300-37400m	37400-37500m	37500-37600m	37600-37700m	37700-37800m	37800-37900m	37900-38000m	38000-38100m	38100-38200m	38200-38300m	38300-38400m	38400-38500m	38500-38600m	38600-38700m	38700-38800m	38800-38900m	38900-39000m	39000-39100m	39100-39200m	39200-39300m	39300-39400m	39400-39500m	39500-39600m	39600-39700m	39700-39800m	39800-39900m	39900-40000m	40000-40100m	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2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)**FINAL**

date 28-May-23 wind 0.8 m/s Omega Timing (2023) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time	6.20	11.23	16.41	21.98	21.98	6 / 1			
reaction time	0.161	interval	5.03	5.18	5.57		# of strides	11.23	10.75	0.48
	velocity	8.06	9.94	9.65	8.98	9.10	96.0	8.90	9.30	
Strachan, Anthonique (BAH) (1994)	time	6.29	11.40	16.61	22.15	22.15	4 / 2			
reaction time	0.140	interval	5.11	5.21	5.54	PB	# of strides	11.40	10.75	0.65
	velocity	7.95	9.78	9.60	9.03	9.03	89.0	8.77	9.30	
Davis, Tamari (USA) (2003)	time	6.13	11.22	16.48	22.30	22.30	5 / 3			
reaction time	0.123	interval	5.09	5.26	5.82	PB	# of strides	11.22	11.08	0.14
	velocity	8.16	9.82	9.51	8.59	8.97	91.5	8.91	9.03	
White, Kayla (USA) (1996)	time	6.26	11.43	16.76	22.52	22.52	7 / 4			
reaction time	0.158	interval	5.17	5.33	5.76		# of strides	11.43	11.09	0.34
	velocity	7.99	9.67	9.38	8.68	8.88	93.0	8.75	9.02	
Hemida, Bassant (EGY) (1996)	time	6.33	11.52	16.87	22.67	22.67	3 / 5			
reaction time	0.167	interval	5.19	5.35	5.80		# of strides	11.52	11.15	0.37
	velocity	7.90	9.63	9.35	8.62	8.82	101.7	8.68	8.97	
Kielbasinska, Anna (POL) (1990)	time	6.42	11.75	17.18	22.98	22.98	8 / 6			
reaction time	0.161	interval	5.33	5.43	5.80		# of strides	11.75	11.23	0.52
	velocity	7.79	9.38	9.21	8.62	8.70	97.0	8.51	8.90	
Bass, Gina (GAM) (1995)	time	6.43	11.81	17.35	23.44	23.44	2 / 7			

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

reaction time	0.161	interval	5.38	5.54	6.09		# of strides	11.81	11.63	0.18
		velocity	7.78	9.29	9.03	8.21	8.53	103.2	8.47	8.60
Sevilla, Paula (ESP) (1997)	time	6.58	11.99	17.56	23.58	23.58	1 / 8			
reaction time	0.145	interval	5.41	5.57	6.02		# of strides	11.99	11.59	0.40
		velocity	7.60	9.24	8.98	8.31	8.48		8.34	8.63

National FINAL

date 28-May-23 wind 1.4 m/s

Omega Timing (2023) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
El Hachimi, Sara (MAR) (2000)	time	6.63	12.17	18.03	24.48	24.46	4 / 1			
reaction time	0.178	interval	5.54	5.86	6.45		# of strides	12.17	12.31	-0.14
		velocity	7.54	9.03	8.53	7.75	8.18	8.22	8.12	
Lehlali, Salma (MAR) (2003)	time	6.90	12.58	18.41	24.70	24.70	5 / 2			
reaction time	0.198	interval	5.68	5.83	6.29		# of strides	12.58	12.12	0.46
		velocity	7.25	8.80	8.58	7.95	8.10	7.95	8.25	
Nouiri, Houda (MAR) (1998)	time	7.01	12.77	18.67	25.01	25.01	6 / 3			
reaction time	0.234	interval	5.76	5.90	6.34	PB	# of strides	12.77	12.24	0.53
		velocity	7.13	8.68	8.47	7.89	8.00	7.83	8.17	
Doha, Razki (MAR) (2001)	time	6.94	12.73	18.81	25.45	25.45	7 / 4			
reaction time	0.210	interval	5.79	6.08	6.64	PB	# of strides	12.73	12.72	0.01
		velocity	7.20	8.64	8.22	7.53	7.86	7.86	7.86	
Ghalla, Kenza (MAR) (2004)	time	7.20	13.15	19.35	26.09	26.09	1 / 5			
reaction time	0.202	interval	5.95	6.20	6.74	PB	# of strides	13.15	12.94	0.21
		velocity	6.94	8.40	8.06	7.42	7.67	7.60	7.73	
Dahmani, Ghita (MAR) (2005)	time	7.15	13.12	19.34	26.12	26.12	2 / 6			
reaction time	0.170	interval	5.97	6.22	6.78	PB	# of strides	13.12	13.00	0.12
		velocity	6.99	8.38	8.04	7.37	7.66	7.62	7.69	
El Houma, Hiba (MAR) (2005)	time	7.11	13.12	19.42	26.31	26.31	8 / 7			
reaction time	0.162	interval	6.01	6.30	6.89		# of strides	13.12	13.19	-0.07
		velocity	7.03	8.32	7.94	7.26	7.60	7.62	7.58	
Makrazi, Imane (MAR) (2002)	time	7.80				dnf	3 / --			
reaction time	0.206	interval					# of strides			
		velocity	6.41							

2023 Shimane High School Championships (Izumo, JPN)**FINAL**

date 28-May-23

wind -0.1 m/s

Shimizu (2023) - shimane high school championships 2023 - biomechanics data analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ishikura, Tamaki (JPN) (2005)	time		12.77	18.91	25.54	25.54	4 / 1			
reaction time			interval	6.14	6.63		# of strides	12.77	12.77	0.00
			velocity	7.83	8.14	7.54	7.83	7.83	7.83	
Nagaoka, Risa (JPN) (2008)	time		12.92	19.09	25.60	25.60	3 / 2			
reaction time			interval	6.17	6.51		# of strides	12.92	12.68	0.24
			velocity	7.74	8.10	7.68	7.81	7.74	7.89	
Hata, Kokomi (JPN) (2006)	time		12.72	18.90	25.62	25.62	6 / 3			
reaction time			interval	6.18	6.72		# of strides	12.72	12.90	-0.18
			velocity	7.86	8.09	7.44	7.81	7.86	7.75	
Nagaoka, Mei (JPN)	time		13.03	19.34	26.20	26.20	5 / 4			
reaction time			interval	6.31	6.86		# of strides	13.03	13.17	-0.14
			velocity	7.67	7.92	7.29	7.63	7.67	7.59	
Tamaki, Mayu (JPN)	time		13.05	19.43	26.30	26.30	7 / 5			
reaction time			interval	6.38	6.87		# of strides	13.05	13.25	-0.20
			velocity	7.66	7.84	7.28	7.60	7.66	7.55	
Yazawa, Sora (JPN)	time		13.21	19.61	26.55	26.55	8 / 6			
reaction time			interval	6.40	6.94		# of strides	13.21	13.34	-0.13

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

	velocity	7.57	7.81	7.20	7.53		7.57	7.50	
Toshiyama, Naru (JPN)	time	13.31	19.91	27.10	27.10	1 / 7			
reaction time	interval		6.60	7.19		# of strides	13.31	13.79	-0.48
	velocity	7.51	7.58	6.95	7.38		7.51	7.25	
Mishima, Misaki (JPN)	time	13.60	20.21	27.45	27.45	2 / 8			
reaction time	interval		6.61	7.24		# of strides	13.60	13.85	-0.25
	velocity	7.35	7.56	6.91	7.29		7.35	7.22	

2023 Chinese National Grand Prix 3 (Taizhou, CHN)**Heat 2**

Heat 2

		date	27-May-23	wind		-1.3 m/s	Shandong Athletics Sport Science (2023)					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huang Guifen (CHN) (1997)	time			11.91	17.73	24.07	24.07	4 / 1				
	reaction time	0.164	interval		5.82	6.34		# of strides		11.91	12.16	-0.25
			velocity		8.40	8.59	7.89	8.31		8.40	8.22	
Huang Ziting (CHN) (2003)	time			12.41	18.39	24.88	24.88	6 / 2				
	reaction time	0.171	interval		5.98	6.49		# of strides		12.41	12.47	-0.06
			velocity		8.06	8.36	7.70	8.04	102.5	8.06	8.02	
Xu Zihan (CHN) (2004)	time			12.36	18.62	25.65	25.65	7 / 5				
	reaction time	0.194	interval		6.26	7.03		# of strides		12.36	13.29	-0.93
			velocity		8.09	7.99	7.11	7.80	111.5	8.09	7.52	

Heat 1

	date	27-May-23	wind	-2.0 m/s							Shandong Athletics Sport Science (2023)
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ma Chengna (CHN) (2000)	time		11.68	17.50	24.03	24.03		5 / 1			
reaction time	0.170	interval		5.82	6.53			# of strides	11.68	12.35	-0.67
		velocity	8.56	8.59	7.66	8.32		100.2	8.56	8.10	
Hao Miao (CHN) (2002)	time		12.04	17.92	24.36	24.36		6 / 2			
reaction time	0.182	interval		5.88	6.44			# of strides	12.04	12.32	-0.28
		velocity	8.31	8.50	7.76	8.21		99.0	8.31	8.12	

2023 Chinese National Grand Prix 1 (Rizhao, CHN)**Heat 2**

	date	27-Apr-23	wind	0.8 m/s							Shandong Athletics Sport Science (2023)
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Xu Zihan (CHN) (2004)	time		12.34	18.57	25.43	25.43		3 / 5			
reaction time	0.157	interval		6.23	6.86			# of strides	12.34	13.09	-0.75
		velocity	8.10	8.03	7.29	7.86		109.2	8.10	7.64	

2023 Michitaka Kinami Memorial (Osaka, JPN)**Heptathlon - Heat 2**

	date	07-May-23	wind	-0.2 m/s							Matsubayashi (2024) - performance analysis of heptathlon athletes in the 2023 season
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time		6.74	12.25	18.19	24.71	24.71		4 / 1		
reaction time	0.161	interval		5.51	5.94	6.52		# of strides	12.25	12.46	-0.21
		velocity	7.42	9.07	8.42	7.67	8.09		8.16	8.03	
Odama, Karin (JPN) (1999)	time		6.83	12.44	18.53	25.31	25.31		9 / 3		
reaction time	0.209	interval		5.61	6.09	6.78		# of strides	12.44	12.87	-0.43
		velocity	7.32	8.91	8.21	7.37	7.90		8.04	7.77	

2022 Weltklasse (Zürich, SUI)**FINAL**

	date	08-Sep-22	wind	-0.9 m/s							Omega Timing (2022) - diamond league race analysis
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time		6.12	11.02	16.20	21.80	21.80		5 / 1		
reaction time	0.140	interval		4.90	5.18	5.60		# of strides	11.02	10.78	0.24
		velocity	8.17	10.20	9.65	8.93	9.17	94.0	9.07	9.28	
Thomas, Gabrielle (USA) (1996)	time		6.24	11.29	16.65	22.38	22.38		7 / 2		
reaction time	0.145	interval		5.05	5.36	5.73		# of strides	11.29	11.09	0.20
		velocity	8.01	9.90	9.33	8.73	8.94	90.0	8.86	9.02	

Clark, Tamara (USA) (1999)	time	6.21	11.26	16.63	22.42	22.42	8 / 3			
	reaction time	0.138	interval	5.05	5.37	5.79	# of strides	11.26	11.16	0.10
	velocity	8.05	9.90	9.31	8.64	8.92	99.0	8.88	8.96	
Prandini, Jenna (USA) (1992)	time	6.31	11.30	16.62	22.45	22.45	6 / 4			
	reaction time	0.155	interval	4.99	5.32	5.83	# of strides	11.30	11.15	0.15
	velocity	7.92	10.02	9.40	8.58	8.91	96.0	8.85	8.97	
Kambundji, Mujinga (SUI) (1992)	time	6.26	11.38	16.79	22.65	22.65	4 / 5			
	reaction time	0.150	interval	5.12	5.41	5.86	# of strides	11.38	11.27	0.11
	velocity	7.99	9.77	9.24	8.53	8.83	101.7	8.79	8.87	
Gaither, TyNia (BAH) (1993)	time	6.38	11.51	16.88	22.66	22.66	3 / 6			
	reaction time	0.148	interval	5.13	5.37	5.78	# of strides	11.51	11.15	0.36
	velocity	7.84	9.75	9.31	8.65	8.83	104.0	8.69	8.97	
Karstoft, Ida (DEN) (1995)	time	6.48	11.64	17.06	22.80	22.80	2 / 7			
	reaction time	0.169	interval	5.16	5.42	5.74	# of strides	11.64	11.16	0.48
	velocity	7.72	9.69	9.23	8.71	8.77	89.7	8.59	8.96	
Dobbin, Beth (GBR) (1994)	time	6.53	11.93	17.67	23.83	23.83	1 / 8			
	reaction time	0.137	interval	5.40	5.74	6.16	# of strides	11.93	11.90	0.03
	velocity	7.66	9.26	8.71	8.12	8.39		8.38	8.40	

2022 Shandong Provincial Games (Rizhao, CHN)**U20 FINAL**

date 03-Sep-22

wind 0.6 m/s

Shandong Athletics Sport Science (2022)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Li Huixian (CHN) (2005)	time			12.51	18.36	24.67	24.67	4 / 1			
	reaction time	0.231	interval		5.85	6.31		# of strides	12.51	12.16	0.35
	velocity			7.99	8.55	7.92	8.11	105.0	7.99	8.22	
Jiang Yiran (CHN)	time			12.76	18.71	25.09	25.09	5 / 2			
	reaction time	0.215	interval		5.95	6.38		# of strides	12.76	12.33	0.43
	velocity			7.84	8.40	7.84	7.97	105.0	7.84	8.11	
Xu Zihan (CHN) (2004)	time			12.46	18.57	25.20	25.20	6 / 3			
	reaction time	0.207	interval		6.11	6.63	PB	# of strides	12.46	12.74	-0.28
	velocity			8.03	8.18	7.54	7.94	106.0	8.03	7.85	
Qiu Xiao (CHN) (2004)	time			12.71	18.77	25.34	25.34	3 / 4			
	reaction time	0.292	interval		6.06	6.57	PB	# of strides	12.71	12.63	0.08
	velocity			7.87	8.25	7.61	7.89	102.2	7.87	7.92	
Lu Haoran (CHN)	time			12.63	18.74	25.48	25.48	7 / 5			
	reaction time	0.172	interval		6.11	6.74		# of strides	12.63	12.85	-0.22
	velocity			7.92	8.18	7.42	7.85	105.0	7.92	7.78	
Wang Yuqing (CHN) (2005)	time			12.95	19.11	25.68	25.68	8 / 6			
	reaction time	0.196	interval		6.16	6.57		# of strides	12.95	12.73	0.22
	velocity			7.72	8.12	7.61	7.79	99.5	7.72	7.86	
Ding Yachen (CHN)	time			12.95	19.04	25.80	25.80	2 / 7			
	reaction time	0.288	interval		6.09	6.76		# of strides	12.95	12.85	0.10
	velocity			7.72	8.21	7.40	7.75	98.7	7.72	7.78	
Wang Xue (CHN)	time			13.33	19.46	26.16	26.16	1 / 8			
	reaction time	0.214	interval		6.13	6.70		# of strides	13.33	12.83	0.50
	velocity			7.50	8.16	7.46	7.65	101.0	7.50	7.79	

U18 FINAL

date 03-Sep-22

wind -0.1 m/s

Shandong Athletics Sport Science (2022)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huo Min (CHN)	time			12.80	18.97	25.60	25.60	6 / 1			
	reaction time	0.203	interval		6.17	6.63		# of strides	12.80	12.80	0.00
	velocity			7.81	8.10	7.54	7.81	103.2	7.81	7.81	
Wang Yicheng (CHN)	time			12.86	19.04	25.76	25.76	5 / 2			

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

reaction time	0.236	interval		6.18	6.72		# of strides	12.86	12.90	-0.04
		velocity		7.78	8.09	7.44	7.76	104.0	7.78	7.75
Qiu Zitong (CHN)		time		12.76	19.06	25.85	25.85	4 / 3		
reaction time	0.212	interval			6.30	6.79	# of strides	12.76	13.09	-0.33
		velocity		7.84	7.94	7.36	7.74	104.7	7.84	7.64
Liu Chenxi (CHN) (2006)		time		13.05	19.32	26.08	26.08	2 / 4		
reaction time	0.230	interval			6.27	6.76	# of strides	13.05	13.03	0.02
		velocity		7.66	7.97	7.40	7.67	106.2	7.66	7.67
Shi Ruixin (CHN)		time		12.96	19.27	26.20	26.20	7 / 5		
reaction time	0.186	interval			6.31	6.93	# of strides	12.96	13.24	-0.28
		velocity		7.72	7.92	7.22	7.63	104.0	7.72	7.55
Lu Qirui (CHN)		time		13.08	19.33	26.23	26.23	3 / 6		
reaction time	0.220	interval			6.25	6.90	# of strides	13.08	13.15	-0.07
		velocity		7.65	8.00	7.25	7.62	105.5	7.65	7.60
Xiao Ruixin (CHN)		time		12.88	19.17	26.33	26.33	8 / 7		
reaction time	0.169	interval			6.29	7.16	# of strides	12.88	13.45	-0.57
		velocity		7.76	7.95	6.98	7.60	106.2	7.76	7.43
Xu Shanshan (CHN)		time		13.36	19.75	26.76	26.76	1 / 8		
reaction time	0.213	interval			6.39	7.01	# of strides	13.36	13.40	-0.04
		velocity		7.49	7.82	7.13	7.47	111.7	7.49	7.46

U20 Heat 2

20 Heat 2		date	02-Sep-22	wind	0.8 m/s			Shandong Athletics Sport Science (2022)				
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Xu Zihan (CHN) (2004)		time		12.51	18.67	25.36	25.36	3 / 1				
reaction time	0.257	interval			6.16	6.69	PB	# of strides		12.51	12.85	-0.34
		velocity		7.99	8.12	7.47	7.89	106.5		7.99	7.78	

U20 Heat 1

20 Heat 1		date	02-Sep-22	wind	0.6 m/s			Shandong Athletics Sport Science (2022)				
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Qiu Xiao (CHN) (2004)		time			12.65	18.78	25.43	25.43	4 / 1			
reaction time		0.226	interval			6.13	6.65		# of strides	12.65	12.78	-0.13
			velocity		7.91	8.16	7.52	7.86	103.0	7.91	7.82	

2022 Athletissima (Lausanne, SUI)

FINAL

		date	26-Aug-22	wind -0.9 m/s			Omega Timing (2022) - diamond league race analysis					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Pointet, Léonie (SUI) (2001)	time			6.3	11.6	17.2	23.30	23.30	4 / 1			
	reaction time	0.156	interval		5.30	5.60	6.10		# of strides	11.60	11.70	-0.10
			velocity	7.94	9.43	8.93	8.20	8.58		8.62	8.55	
Niederberfer, Julia (SUI) (2000)	time			6.5	11.8	17.3	23.49	23.49	6 / 2			
	reaction time	0.148	interval		5.30	5.50	6.19		# of strides	11.80	11.69	0.11
			velocity	7.69	9.43	9.09	8.08	8.51		8.47	8.55	
Atcho, Sarah (SUI) (1995)	time			6.4	11.7	17.3	23.77	23.77	5 / 3			
	reaction time	0.147	interval		5.30	5.60	6.47		# of strides	11.70	12.07	-0.37
			velocity	7.81	9.43	8.93	7.73	8.41		8.55	8.29	
Bürgi, Céline (SUI) (1999)	time			6.4	11.7	17.4	23.91	23.91	7 / 4			
	reaction time	0.132	interval		5.30	5.70	6.51		# of strides	11.70	12.21	-0.51
			velocity	7.81	9.43	8.77	7.68	8.36		8.55	8.19	
Furler, Selina (SUI) (2003)	time			6.6	12.1	17.8	24.18	24.18	2 / 5			
	reaction time	0.163	interval		5.50	5.70	6.38		# of strides	12.10	12.08	0.02
			velocity	7.58	9.09	8.77	7.84	8.27		8.26	8.28	
Halbheer, Cornelia (SUI) (1992)	time			6.5	11.9	17.8	24.22	24.22	3 / 6			
	reaction time	0.133	interval		5.40	5.90	6.42		# of strides	11.90	12.32	-0.42
			velocity	7.69	9.26	8.47	7.79	8.26		8.40	8.12	

Ambrosini, Coralie (SUI) (1997)	time	6.5	11.9	17.7	24.27	24.27	8 / 7			
	reaction time	0.135	interval	5.40	5.80	6.57	# of strides	11.90	12.37	-0.47
	velocity	7.69	9.26	8.62	7.61	8.24		8.40	8.08	
Caligiuri, Iris (SUI) (2003)	time	6.6	12.1	18.0	24.39	24.39	1 / 8			
	reaction time	0.127	interval	5.50	5.90	6.39	# of strides	12.10	12.29	-0.19
	velocity	7.58	9.09	8.47	7.82	8.20		8.26	8.14	

2022 European Athletics Championships (Munich, GER)**FINAL**

date 19-Aug-22		wind 0.4 m/s								
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kambundji, Mujinga (SUI) (1992)	0.164	no information available				22.32	3 / 1		# of strides	102.0
Asher-Smith, Dina (GBR) (1995)	0.147	no information available				22.43	5 / 2		# of strides	95.2
Karstoft, Ida (DEN) (1995)	0.255	no information available				22.72	6 / 3		# of strides	89.2
Williams, Jodie (GBR) (1993)	0.170	no information available				22.85	8 / 4		# of strides	96.5
Klaver, Lieke (NED) (1998)	0.164	no information available				22.88	4 / 5		# of strides	93.5
Grebo, Shana (FRA) (2000)	0.176	no information available				23.06	7 / 6		# of strides	95.0
Kaddari, Dalia (ITA) (2001)	0.165	no information available				23.19	2 / 7		# of strides	98.2
Burghardt, Alexandra (GER) (1991)	0.141	no information available				23.24	1 / 8		# of strides	98.0

2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)**FINAL**

date 06-Aug-22		wind 0.2 m/s		Omega Timing (2022) - diamond league race analysis						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time	6.23	11.22	16.35	21.84	21.84	6 / 1			
	reaction time	0.173	interval	4.99	5.49		# of strides	11.22	10.62	0.60
	velocity	8.03	10.02	9.75	9.11	9.16	94.6	8.91	9.42	
Miller-Uibo, Shaunae (BAH) (1991)	time	6.34	11.43	16.69	22.35	22.35	9 / 2			
	reaction time	0.156	interval	5.09	5.66		# of strides	11.43	10.92	0.51
	velocity	7.89	9.82	9.51	8.83	8.95	89.0	8.75	9.16	
Prandini, Jenna (USA) (1992)	time	6.25	11.24	16.52	22.39	22.39	5 / 3			
	reaction time	0.168	interval	4.99	5.87		# of strides	11.24	11.15	0.09
	velocity	8.00	10.02	9.47	8.52	8.93	95.7	8.90	8.97	
Gaither, TyNia (BAH) (1993)	time	6.39	11.53	16.88	22.70	22.70	3 / 4			
	reaction time	0.155	interval	5.14	5.82		# of strides	11.53	11.17	0.36
	velocity	7.82	9.73	9.35	8.59	8.81	102.0	8.67	8.95	
Karstoft, Ida (DEN) (1995)	time	6.45	11.61	16.99	22.80	22.80	2 / 5			
	reaction time	0.154	interval	5.16	5.81		# of strides	11.61	11.19	0.42
	velocity	7.75	9.69	9.29	8.61	8.77	90.2	8.61	8.94	
Clark, Tamara (USA) (1999)	time	6.28	11.43	16.86	22.82	22.82	4 / 6			
	reaction time	0.165	interval	5.15	5.96		# of strides	11.43	11.39	0.04
	velocity	7.96	9.71	9.21	8.39	8.76	102.2	8.75	8.78	
Thomas, Gabrielle (USA) (1996)	time	6.29	11.44	16.87	22.86	22.86	7 / 7			
	reaction time	0.149	interval	5.15	5.99		# of strides	11.44	11.42	0.02
	velocity	7.95	9.71	9.21	8.35	8.75	90.0	8.74	8.76	
Rosa, Vitoria Cristina (BRA) (1991)	time	6.44	11.63	17.03	22.89	22.89	8 / 8			
	reaction time	0.172	interval	5.19	5.86		# of strides	11.63	11.26	0.37
	velocity	7.76	9.63	9.26	8.53	8.74	94.2	8.60	8.88	
Horowska, Nikola (POL) (2001)	time	6.51	11.82	17.40	23.44	23.44	1 / 9			
	reaction time	0.142	interval	5.31	6.04		# of strides	11.82	11.62	0.20
	velocity	7.68	9.42	8.96	8.28	8.53	97.7	8.46	8.61	

2022 Commonwealth Games (Birmingham, GBR)**FINAL**

date 06-Aug-22		wind 0.6 m/s		Longines Timing (2022) - commonwealth games race analysis						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thompson-Herah, Elaine (JAM) (1991)	time	6.1	11.1	16.3	22.02	22.02	7 / 1			
	reaction time	0.173	interval	5.00	5.72	CR	# of strides	11.10	10.92	0.18
	velocity									

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

	velocity	8.20	10.00	9.62	8.74	9.08	97.0	9.01	9.16	
Ofili, Favour (NGR) (2002)	time	6.2	11.4	16.7	22.51	22.51	6 / 2			
reaction time	0.161 interval		5.20	5.30	5.81		# of strides	11.40	11.11	0.29
	velocity	8.06	9.62	9.43	8.61	8.88	94.2	8.77	9.00	
Mboma, Christine (NAM) (2003)	time	6.3	11.6	17.0	22.80	22.80	4 / 3			
reaction time	0.156 interval		5.30	5.40	5.80		# of strides	11.60	11.20	0.40
	velocity	7.94	9.43	9.26	8.62	8.77	97.0	8.62	8.93	
Whyte, Natalliah (JAM) (1997)	time	6.3	11.5	17.0	23.06	23.06	5 / 4			
reaction time	0.157 interval		5.20	5.50	6.06		# of strides	11.50	11.56	-0.06
	velocity	7.94	9.62	9.09	8.25	8.67	97.0	8.70	8.65	
Bass, Gina (GAM) (1995)	time	6.3	11.7	17.2	23.13	23.13	2 / 5			
reaction time	0.150 interval		5.40	5.50	5.93		# of strides	11.70	11.43	0.27
	velocity	7.94	9.26	9.09	8.43	8.65	101.7	8.55	8.75	
Connolly, Ella (AUS) (2000)	time	6.3	11.6	17.2	23.21	23.21	8 / 6			
reaction time	0.147 interval		5.30	5.60	6.01		# of strides	11.60	11.61	-0.01
	velocity	7.94	9.43	8.93	8.32	8.62	96.0	8.62	8.61	
McDonald, Natassha (CAN) (1991)	time	6.5	11.7	17.1	23.21	23.21	9 / 7			
reaction time	0.158 interval		5.20	5.40	6.11		# of strides	11.70	11.51	0.19
	velocity	7.69	9.62	9.26	8.18	8.62	85.5	8.55	8.69	
Dobbin, Beth (GBR) (1994)	time	6.4	11.8	17.4	23.40	23.40	3 / 8			
reaction time	0.143 interval		5.40	5.60	6.00		# of strides	11.80	11.60	0.20
	velocity	7.81	9.26	8.93	8.33	8.55	98.0	8.47	8.62	

Semi-Final 3

date 05-Aug-22 wind 1.5 m/s

Longines Timing (2022) - commonwealth games race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thompson-Herah, Elaine (JAM)	time	6.2	11.3	16.6	22.63	22.63	5 / 1			
reaction time	0.174 interval		5.10	5.30	6.03		# of strides	11.30	11.33	-0.03
	velocity	8.06	9.80	9.43	8.29	8.84	96.7	8.85	8.83	
McDonald, Natassha (CAN) (1991)	time	6.4	11.7	17.2	23.21	23.21	7 / 2			
reaction time	0.156 interval		5.30	5.50	6.01		# of strides	11.70	11.51	0.19
	velocity	7.81	9.43	9.09	8.32	8.62	85.0	8.55	8.69	
Dobbin, Beth (GBR) (1994)	time	6.3	11.7	17.3	23.28	23.28	4 / 3			
reaction time	0.130 interval		5.40	5.60	5.98		# of strides	11.70	11.58	0.12
	velocity	7.94	9.26	8.93	8.36	8.59	100.0	8.55	8.64	
Prieto, Mauricia (TTO) (1995)	time	6.5	11.9	17.5	23.58	23.58	2 / 4			
reaction time	0.162 interval		5.40	5.60	6.08		# of strides	11.90	11.68	0.22
	velocity	7.69	9.26	8.93	8.22	8.48	98.5	8.40	8.56	
Simwaka, Asimenye (MAW) (1991)	time	6.6	12.1	17.6	23.59	23.59	8 / 5			
reaction time	0.166 interval		5.50	5.50	5.99		# of strides	12.10	11.49	0.61
	velocity	7.58	9.09	9.09	8.35	8.48		8.26	8.70	
De Freitas, Beyonce (IVB) (2001)	time	6.4	11.9	17.5	23.81	23.81	6 / 6			
reaction time	0.202 interval		5.50	5.60	6.31		# of strides	11.90	11.91	-0.01
	velocity	7.81	9.09	8.93	7.92	8.40		8.40	8.40	
Angounou, Linda (CMR) (1992)	time	6.6	12.3	18.1	24.32	24.32	3 / 7			
reaction time	0.163 interval		5.70	5.80	6.22		# of strides	12.30	12.02	0.28
	velocity	7.58	8.77	8.62	8.04	8.22		8.13	8.32	
Wisil, Toea (PNG) (1988)	time	6.5	12.0	17.8	24.43	24.43	9 / 8			
reaction time	0.173 interval		5.50	5.80	6.63		# of strides	12.00	12.43	-0.43
	velocity	7.69	9.09	8.62	7.54	8.19		8.33	8.05	

Semi-Final 2

date 05-Aug-22 wind 0.0 m/s

Longines Timing (2022) - commonwealth games race analysis

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

Mboma, Christine (NAM) (2003)	time	6.4	11.8	17.2	22.93	22.93	6 / 1			
reaction time	0.179	interval		5.40	5.40	5.73	# of strides	11.80	11.13	0.67
		velocity	7.81	9.26	9.26	8.73	97.5	8.47	8.98	
Connolly, Ella (AUS) (2000)	time	6.3	11.7	17.3	23.41	23.41	4 / 2			
reaction time	0.141	interval		5.40	5.60	6.11	# of strides	11.70	11.71	-0.01
		velocity	7.94	9.26	8.93	8.18	94.2	8.55	8.54	
Das, Hima (IND) (2000)	time	6.5	11.9	17.4	23.42	23.42	7 / 3			
reaction time	0.157	interval		5.40	5.50	6.02	# of strides	11.90	11.52	0.38
		velocity	7.69	9.26	9.09	8.31	102.0	8.40	8.68	
Njobvu, Rhodah (ZAM) (1994)	time	6.4	11.9	17.6	23.72	23.72	5 / 4			
reaction time	0.158	interval		5.50	5.70	6.12	# of strides	11.90	11.82	0.08
		velocity	7.81	9.09	8.77	8.17	96.0	8.40	8.46	
Nyamahunge, Jacent (UGA) (1999)	time	6.5	11.9	17.6	23.86	23.86	9 / 5			
reaction time	0.193	interval		5.40	5.70	6.26	# of strides	11.90	11.96	-0.06
		velocity	7.69	9.26	8.77	7.99	100.0	8.40	8.36	
Ndoro, Millicent (KEN) (1986)	time	6.5	12.0	17.7	23.87	23.87	8 / 6			
reaction time	0.198	interval		5.50	5.70	6.17	# of strides	12.00	11.87	0.13
		velocity	7.69	9.09	8.77	8.10	94.0	8.33	8.42	
Njadoo, Wurrie (GAM) (1997)	time	6.5	12.0	17.6	23.95	23.95	2 / 7			
reaction time	0.170	interval		5.50	5.60	6.35	# of strides	12.00	11.95	0.05
		velocity	7.69	9.09	8.93	7.87	95.0	8.33	8.37	
Phillips, Kenisha (GUY) (2001)	time	6.6	12.2	18.1	24.35	24.35	3 / 8			
reaction time	0.198	interval		5.60	5.90	6.25	# of strides	12.20	12.15	0.05
		velocity	7.58	8.93	8.47	8.00	100.0	8.20	8.23	

Semi-Final 1

date 05-Aug-22 wind 1.9 m/s

Longines Timing (2022) - commonwealth games race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ofili, Favour (NGR) (2002)	time	6.2	11.5	16.8	22.66	22.66	5 / 1			
reaction time	0.160	interval		5.30	5.86		# of strides	11.50	11.16	0.34
		velocity	8.06	9.43	9.43	8.53	92.0	8.70	8.96	
Whyte, Natalliah (JAM) (1997)	time	6.2	11.7	17.2	23.09	23.09	6 / 2			
reaction time	0.164	interval		5.50	5.50	5.89	# of strides	11.70	11.39	0.31
		velocity	8.06	9.09	9.09	8.49	95.0	8.55	8.78	
Bass, Gina (GAM) (1995)	time	6.3	11.7	17.1	23.10	23.10	4 / 3			
reaction time	0.150	interval		5.40	5.40	6.00	# of strides	11.70	11.40	0.30
		velocity	7.94	9.26	9.26	8.33	102.5	8.55	8.77	
Beecher, Jacinta (AUS) (1998)	time	6.4	11.7	17.3	23.40	23.40	9 / 4			
reaction time	0.133	interval		5.30	5.60	6.10	# of strides	11.70	11.70	0.00
		velocity	7.81	9.43	8.93	8.20	94.0	8.55	8.55	
Pereira, Shanti Veronica (SGP) (1999)	time	6.4	11.9	17.5	23.46	23.46	2 / 5			
reaction time	0.182	interval		5.50	5.60	5.96	# of strides	11.90	11.56	0.34
		velocity	7.81	9.09	8.93	8.39	97.0	8.40	8.65	
Brier, Hannah (GBR) (1998)	time	6.4	11.9	17.6	23.84	23.84	7 / 6			
reaction time	0.147	interval		5.50	5.70	6.24	# of strides	11.90	11.94	-0.04
		velocity	7.81	9.09	8.77	8.01	99.2	8.40	8.38	
Galpin, Abi (GBR) (2000)	time	6.4	12.1	17.9	24.10	24.10	8 / 7			
reaction time	0.164	interval		5.70	5.80	6.20	# of strides	12.10	12.00	0.10
		velocity	7.81	8.77	8.62	8.06	106.0	8.26	8.33	
Wingfield, Charlotte (MLT) (1999)	time	6.6	12.3	18.1	24.52	24.52	3 / 8			
reaction time	0.145	interval		5.70	5.80	6.42	# of strides	12.30	12.22	0.08
		velocity	7.58	8.77	8.62	7.79	98.0	8.13	8.18	

2022 Japanese National High School Championships (Naruto, JPN)**FINAL**

date 06-Aug-22 wind -1.2 m/s

Kishima (2022) - national high school championships biomechanics data collection

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kojima, Yuzuki (JPN) (2004)	time		6.68	12.30	18.08	24.32	24.32	6 / 1			
	reaction time	0.154		5.62	5.78	6.24	PB	# of strides	12.30	12.02	0.28
	velocity		7.49	8.90	8.65	8.01	8.22		8.13	8.32	
Kobari, Akiha (JPN) (2006)	time		6.67	12.35	18.10	24.42	24.42	9 / 2			
	reaction time	0.160		5.68	5.75	6.32	PB	# of strides	12.35	12.07	0.28
	velocity		7.50	8.80	8.70	7.91	8.19		8.10	8.29	
Satou, Aoi (JPN) (2004)	time		6.65	12.32	18.18	24.66	24.66	4 / 3			
	reaction time	0.170		5.67	5.86	6.48		# of strides	12.32	12.34	-0.02
	velocity		7.52	8.82	8.53	7.72	8.11		8.12	8.10	
Yamagata, Aiha (JPN) (2005)	time		6.72	12.43	18.30	24.72	24.72	3 / 4			
	reaction time	0.284		5.71	5.87	6.42		# of strides	12.43	12.29	0.14
	velocity		7.44	8.76	8.52	7.79	8.09		8.05	8.14	
Kurashige, Miu (JPN) (2004)	time		6.58	12.27	18.22	24.74	24.74	5 / 5			
	reaction time	0.166		5.69	5.95	6.52		# of strides	12.27	12.47	-0.20
	velocity		7.60	8.79	8.40	7.67	8.08		8.15	8.02	
Komatsu, Konomi (JPN) (2004)	time		6.72	12.47	18.36	24.75	24.75	8 / 6			
	reaction time	0.201		5.75	5.89	6.39		# of strides	12.47	12.28	0.19
	velocity		7.44	8.70	8.49	7.82	8.08		8.02	8.14	
Sakamoto, Minami (JPN) (2006)	time		6.63	12.40	18.33	24.79	24.79	7 / 7			
	reaction time	0.160		5.77	5.93	6.46		# of strides	12.40	12.39	0.01
	velocity		7.54	8.67	8.43	7.74	8.07		8.06	8.07	
Sasaki, Nao (JPN) (2005)	time		6.75	12.50	18.42	24.95	24.95	2 / 8			
	reaction time	0.177		5.75	5.92	6.53		# of strides	12.50	12.45	0.05
	velocity		7.41	8.70	8.45	7.66	8.02		8.00	8.03	

2022 World Athletics Championships (Eugene, OR)**FINAL**

date 21-Jul-22 wind 0.6 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			11.04		21.45	21.45	4 / 1			
	reaction time	0.144				10.41	CR NR PB	# of strides	11.04	10.41	0.63
	velocity			9.06		9.61	9.32	93.2	9.06	9.61	
Fraser-Pryce, Shelly-Ann (JAM)	time			11.03		21.81	21.81	6 / 2			
	reaction time	0.145				10.78		# of strides	11.03	10.78	0.25
	velocity			9.07		9.28	9.17	98.0	9.07	9.28	
Asher-Smith, Dina (GBR) (1995)	time			11.08		22.02	22.02	3 / 3			
	reaction time	0.125				10.94		# of strides	11.08	10.94	0.14
	velocity			9.03		9.14	9.08	95.0	9.03	9.14	
Seyni, Aminatou (NIG) (1996)	time			11.29		22.12	22.12	7 / 4			
	reaction time	0.195				10.83		# of strides	11.29	10.83	0.46
	velocity			8.86		9.23	9.04	93.7	8.86	9.23	
Steiner, Abby (USA) (1999)	time			11.28		22.26	22.26	8 / 5			
	reaction time	0.200				10.98		# of strides	11.28	10.98	0.30
	velocity			8.87		9.11	8.98	104.0	8.87	9.11	
Clark, Tamara (USA) (1999)	time			11.33		22.32	22.32	5 / 6			
	reaction time	0.197				10.99		# of strides	11.33	10.99	0.34
	velocity			8.83		9.10	8.96	101.0	8.83	9.10	
Thompson-Herah, Elaine (JAM)	time			11.36		22.39	22.39	2 / 7			
	reaction time	0.139				11.03		# of strides	11.36	11.03	0.33
	velocity			8.80		9.07	8.93	97.0	8.80	9.07	

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

Kambundji, Mujinga (SUI) (1992)	time	11.31	22.55	22.55	1 / 8			
reaction time	0.113	interval	11.24		# of strides	11.31	11.24	0.07
		velocity	8.84	8.90	8.87	103.0	8.84	8.90

Semi-Final 3

date 19-Jul-22

wind -0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fraser-Pryce, Shelly-Ann (JAM)	time	11.08			21.82	21.82	6 / 1			
reaction time	0.146	interval			10.74		# of strides	11.08	10.74	0.34
		velocity	9.03	9.31	9.17		96.5	9.03	9.31	
Steiner, Abby (USA) (1999)	time	11.35			22.15	22.15	5 / 2			
reaction time	0.130	interval			10.80		# of strides	11.35	10.80	0.55
		velocity	8.81	9.26	9.03		102.0	8.81	9.26	
Ofili, Favour (NGR) (2002)	time	11.45			22.30	22.30	4 / 3			
reaction time	0.161	interval			10.85		# of strides	11.45	10.85	0.60
		velocity	8.73	9.22	8.97		93.0	8.73	9.22	
Suarez, Gabriela Anahi (ECU) (2019)	time	11.39			22.74	22.74	3 / 4			
reaction time	0.142	interval			11.35	NR PB	# of strides	11.39	11.35	0.04
		velocity	8.78	8.81	8.80		99.7	8.78	8.81	
Karstoft, Ida (DEN) (1995)	time	11.71			22.84	22.84	7 / 5			
reaction time	0.165	interval			11.13		# of strides	11.71	11.13	0.58
		velocity	8.54	8.98	8.76		90.7	8.54	8.98	
Kaddari, Dalia (ITA) (2001)	time	11.49			22.86	22.86	8 / 6			
reaction time	0.125	interval			11.37		# of strides	11.49	11.37	0.12
		velocity	8.70	8.80	8.75		97.5	8.70	8.80	
Wessolly, Jessica-Bianca (GER) (2019)	time	11.91			23.33	23.33	2 / 7			
reaction time	0.175	interval			11.42		# of strides	11.91	11.42	0.49
		velocity	8.40	8.76	8.57		97.0	8.40	8.76	
Lloyd, Joella (ANT) (2002)	time	11.86			23.38	23.38	1 / 8			
reaction time	0.190	interval			11.52		# of strides	11.86	11.52	0.34
		velocity	8.43	8.68	8.55		100.5	8.43	8.68	

Semi-Final 2

date 19-Jul-22

wind 1.4 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Clark, Tamara (USA) (1999)	time	11.29			21.95	21.95	3 / 1			
reaction time	0.175	interval			10.66		# of strides	11.29	10.66	0.63
		velocity	8.86	9.38	9.11		99.5	8.86	9.38	
Asher-Smith, Dina (GBR) (1995)	time	11.24			21.96	21.96	4 / 2			
reaction time	0.131	interval			10.72		# of strides	11.24	10.72	0.52
		velocity	8.90	9.33	9.11		95.0	8.90	9.33	
Thompson-Herah, Elaine (JAM) (2019)	time	11.23			21.97	21.97	6 / 3			
reaction time	0.157	interval			10.74		# of strides	11.23	10.74	0.49
		velocity	8.90	9.31	9.10		97.0	8.90	9.31	
Rosa, Vitoria Cristina (BRA) (1999)	time	11.63			22.47	22.47	7 / 4			
reaction time	0.155	interval			10.84	NR PB	# of strides	11.63	10.84	0.79
		velocity	8.60	9.23	8.90		94.5	8.60	9.23	
Nwokocha, Grace (NGR) (2001)	time	11.48			22.49	22.49	8 / 5			
reaction time	0.170	interval			11.01		# of strides	11.48	11.01	0.47
		velocity	8.71	9.08	8.89		95.5	8.71	9.08	
Gbai, Jessika (CIV) (1998)	time	11.78			22.84	22.84	2 / 6			
reaction time	0.152	interval			11.06		# of strides	11.78	11.06	0.72
		velocity	8.49	9.04	8.76		95.0	8.49	9.04	
Odiong, Ofonime (BRN) (1997)	time	11.73			23.31	23.31	1 / 7			

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

reaction time	0.160	interval		11.58	# of strides	11.73	11.58	0.15
velocity			8.53	8.64	8.58	8.53	8.64	
Masilingi, Beatrice (NAM) (2003)	time		11.47	24.78	24.78	5 / 8		
reaction time	0.158	interval		13.31	# of strides	11.47	13.31	-1.84
velocity			8.72	7.51	8.07	94.0	8.72	7.51

Semi-Final 1

date 19-Jul-22 wind 2.0 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			11.16		21.67	21.67	5 / 1			
reaction time	0.132	interval				10.51		# of strides	11.16	10.51	0.65
velocity				8.96		9.51	9.23	93.0	8.96	9.51	
Seyni, Aminatou (NIG) (1996)	time			11.54		22.04	22.04	3 / 2			
reaction time	0.176	interval				10.50		# of strides	11.54	10.50	1.04
velocity				8.67		9.52	9.07	95.0	8.67	9.52	
Kambundji, Mujinga (SUI) (1992)	time			11.23		22.05	22.05	6 / 3			
reaction time	0.125	interval				10.82	NR PB	# of strides	11.23	10.82	0.41
velocity				8.90		9.24	9.07	101.0	8.90	9.24	
Prandini, Jenna (USA) (1992)	time			11.26		22.08	22.08	4 / 4			
reaction time	0.161	interval				10.82		# of strides	11.26	10.82	0.44
velocity				8.88		9.24	9.06	96.0	8.88	9.24	
Gaither, TyNia (BAH) (1993)	time			11.51		22.41	22.41	8 / 5			
reaction time	0.152	interval				10.90	PB	# of strides	11.51	10.90	0.61
velocity				8.69		9.17	8.92	101.5	8.69	9.17	
Bass, Gina (GAM) (1995)	time			11.60		22.71	22.71	1 / 6			
reaction time	0.141	interval				11.11		# of strides	11.60	11.11	0.49
velocity				8.62		9.00	8.81	101.5	8.62	9.00	
Chukwuma, Rosemary (NGR) (2002)	time			11.48		22.72	22.72	2 / 7			
reaction time	0.204	interval				11.24		# of strides	11.48	11.24	0.24
velocity				8.71		8.90	8.80	101.5	8.71	8.90	
Beecher, Jacinta (AUS) (1998)	time			11.61		23.14	23.14	7 / 8			
reaction time	0.132	interval				11.53		# of strides	11.61	11.53	0.08
velocity				8.61		8.67	8.64	95.7	8.61	8.67	

Heat 6

date 18-Jul-22 wind 1.9 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ofili, Favour (NGR) (2002)	time			11.46		22.24	22.24	2 / 1			
reaction time	0.148	interval				10.78		# of strides	11.46	10.78	0.68
velocity				8.73		9.28	8.99	93.2	8.73	9.28	
Prandini, Jenna (USA) (1992)	time			11.29		23.38	22.38	4 / 2			
reaction time	0.145	interval				12.09		# of strides	11.29	12.09	-0.80
velocity				8.86		8.27	8.94	96.2	8.86	8.27	
Beecher, Jacinta (AUS) (1998)	time			11.61		23.22	23.22	3 / 3			
reaction time	0.133	interval				11.61		# of strides	11.61	11.61	0.00
velocity				8.61		8.61	8.61	95.0	8.61	8.61	
Fotopoulou, Oliva (CYP) (1996)	time			11.70		23.25	23.25	5 / 4			
reaction time	0.128	interval				11.55		# of strides	11.70	11.55	0.15
velocity				8.55		8.66	8.60	99.5	8.55	8.66	
Léger, Catherine (CAN) (2000)	time			11.76		23.35	23.35	7 / 5			
reaction time	0.133	interval				11.59		# of strides	11.76	11.59	0.17
velocity				8.50		8.63	8.57	102.2	8.50	8.63	
Hulls, Georgia (NZL) (1999)	time			11.74		23.46	23.46	6 / 6			
reaction time	0.136	interval				11.72		# of strides	11.74	11.72	0.02
velocity				8.52		8.53	8.53	97.5	8.52	8.53	

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

Barakat, Hanna (PLE) (1999)	time	13.56	26.33	26.33	1 / 7			
reaction time	0.184	interval	12.77		# of strides	13.56	12.77	0.79
		velocity	7.37	7.83	7.60	7.37	7.83	
Strachan, Anthonique (BAH) (1999)	time	11.34		1:50.06	8 / 8			
reaction time	0.114	interval	98.72		# of strides	11.34	98.72	-87.38
		velocity	8.82	1.01		8.82	1.01	

Heat 5

Heat 5

	date	18-Jul-22	wind	0.9 m/s	Timing by Seiko (2022) - world athletics championships race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Steiner, Abby (USA) (1999)	time			11.34		22.26	22.26	5 / 1			
	reaction time	0.143				10.92		# of strides	11.34	10.92	0.42
	velocity		★	8.82	★	9.16	8.98	★	101.0	8.82	9.16
Kambundji, Mujinga (SUI) (1992)	time			11.39		22.34	22.34	6 / 2			
	reaction time	0.119				10.95		# of strides	11.39	10.95	0.44
	velocity			8.78		9.13	8.95		98.0	8.78	9.13
Nwokocha, Grace (NGR) (2001)	time			11.50		22.61	22.61	4 / 3			
	reaction time	0.182				11.11		# of strides	11.50	11.11	0.39
	velocity			8.70		9.00	8.85		96.0	8.70	9.00
Gale, Lauren (CAN) (2000)	time			11.74		23.08	23.08	7 / 4			
	reaction time	0.138				11.34		# of strides	11.74	11.34	0.40
	velocity			8.52		8.82	8.67		93.7	8.52	8.82
Connolly, Ella (AUS) (2000)	time			11.62		23.27	23.27	3 / 5			
	reaction time	0.136				11.65		# of strides	11.62	11.65	-0.03
	velocity			8.61		8.58	8.59		95.0	8.61	8.58
Koné, Maboundou (CIV) (1997)	time			11.74		23.32	23.32	2 / 6			
	reaction time	0.176				11.58		# of strides	11.74	11.58	0.16
	velocity			8.52		8.64	8.58		99.2	8.52	8.64
De Freitas, Beyonce (IVB) (2001)	time			11.91		23.81	23.81	8 / 7			
	reaction time	0.191				11.90		# of strides	11.91	11.90	0.01
	velocity			8.40		8.40	8.40		95.0	8.40	8.40

Heat 4

Heat 4		date	18-Jul-22	wind	0.4 m/s	Timing by Seiko (2022) - world athletics championships race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Clark, Tamara (USA) (1999)	time				11.30		22.27	22.27	3 / 1			
	reaction time	0.154	interval				10.97		# of strides	11.30	10.97	0.33
			velocity		8.85		9.12	8.98	99.0	8.85	9.12	
Asher-Smith, Dina (GBR) (1995)	time				11.45		22.56	22.56	2 / 2			
	reaction time	0.129	interval				11.11		# of strides	11.45	11.11	0.34
			velocity		8.73		9.00	8.87	94.0	8.73	9.00	
Gaither, TyNia (BAH) (1993)	time				11.65		22.61	22.61	8 / 3			
	reaction time	0.209	interval				10.96		# of strides	11.65	10.96	0.69
			velocity		8.58		9.12	8.85	102.0	8.58	9.12	
Bass, Gina (GAM) (1995)	time				11.53		22.78	22.78	5 / 4			
	reaction time	0.151	interval				11.25		# of strides	11.53	11.25	0.28
			velocity		8.67		8.89	8.78	102.2	8.67	8.89	
Gbai, Jessika (CIV) (1998)	time				11.82		22.89	22.89	4 / 5			
	reaction time	0.159	interval				11.07		# of strides	11.82	11.07	0.75
			velocity		8.46		9.03	8.74	95.0	8.46	9.03	
Azevedo, Ana Carolina (BRA) (1998)	time				11.85		23.45	23.45	6 / 6			
	reaction time	0.176	interval				11.60		# of strides	11.85	11.60	0.25
			velocity		8.44		8.62	8.53	103.5	8.44	8.62	
Nekhubui, Shirley (RSA) (2000)	time				11.84		23.46	23.46	7 / 7			

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

reaction time	0.186	interval		11.62	# of strides	11.84	11.62	0.22
		velocity	8.45	8.61	8.53	193.5	8.45	8.61

Heat 3

date 18-Jul-22

wind 1.1 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Seyni, Aminatou (NIG) (1996)	time			11.50		21.98	21.98	6 / 1			
	reaction time	0.174		interval		10.48	NR PB	# of strides	11.50	10.48	1.02
				velocity		9.54	9.10	94.0	8.70	9.54	
Fraser-Pryce, Shelly-Ann (JAM)	time			11.37		22.26	22.26	3 / 2			
	reaction time	0.135		interval		10.89		# of strides	11.37	10.89	0.48
				velocity		9.18	8.98	94.5	8.80	9.18	
Rosa, Vitoria Cristina (BRA) (1991)	time			11.66		22.84	22.84	5 / 3			
	reaction time	0.118		interval		11.18		# of strides	11.66	11.18	0.48
				velocity		8.94	8.76	94.7	8.58	8.94	
Dobbin, Beth (GBR) (1994)	time			11.70		23.04	23.04	8 / 4			
	reaction time	0.117		interval		11.34		# of strides	11.70	11.34	0.36
				velocity		8.82	8.68	98.2	8.55	8.82	
Vervae, Imke (BEL) (1993)	time			11.93		23.28	23.28	1 / 5			
	reaction time	0.136		interval		11.35		# of strides	11.93	11.35	0.58
				velocity		8.81	8.59	100.2	8.38	8.81	
Pereira, Veronica Shanti (SGP) (1991)	time			12.00		23.53	23.53	2 / 6			
	reaction time	0.192		interval		11.53		# of strides	12.00	11.53	0.47
				velocity		8.67	8.50	98.0	8.33	8.67	
Slettum, Elisabeth (NOR) (1986)	time			11.95		23.55	23.55	7 / 7			
	reaction time	0.158		interval		11.60		# of strides	11.95	11.60	0.35
				velocity		8.62	8.49	93.0	8.37	8.62	

Heat 2

date 18-Jul-22

wind -0.2 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Masilingi, Beatrice (NAM) (2003)	time			11.47		22.27	22.27	6 / 1			
	reaction time	0.150		interval		10.80		# of strides	11.47	10.80	0.67
				velocity		9.26	8.98	91.0	8.72	9.26	
Thompson-Herah, Elaine (JAM) (1991)	time			11.40		22.41	22.41	8 / 2			
	reaction time	0.153		interval		11.01		# of strides	11.40	11.01	0.39
				velocity		9.08	8.92	97.0	8.77	9.08	
Karstoft, Ida (DEN) (1995)	time			11.71		22.85	22.85	4 / 3			
	reaction time	0.152		interval		11.14		# of strides	11.71	11.14	0.57
				velocity		8.98	8.75	90.2	8.54	8.98	
Lloyd, Joella (ANT) (2002)	time			11.76		22.99	22.99	5 / 4			
	reaction time	0.196		interval		11.23		# of strides	11.76	11.23	0.53
				velocity		8.90	8.70	98.5	8.50	8.90	
Junk, Sophie (GER) (1999)	time			11.66		23.27	23.27	3 / 5			
	reaction time	0.138		interval		11.61		# of strides	11.66	11.61	0.05
				velocity		8.61	8.59	101.0	8.58	8.61	
Bazolo, Loréne Dorcas (POR) (1991)	time			11.70		23.41	23.41	2 / 6			
	reaction time	0.159		interval		11.71		# of strides	11.70	11.71	-0.01
				velocity		8.54	8.54	99.5	8.55	8.54	
Kortetmaa, Annlina (FIN) (1995)	time			11.78		23.51	23.51	7 / 7			
	reaction time	0.140		interval		11.73		# of strides	11.78	11.73	0.05
				velocity		8.53	8.51	100.0	8.49	8.53	
Martins, Lorraine (BRA) (2000)	time			11.86		23.60	23.60	1 / 8			
	reaction time	0.119		interval		11.74		# of strides	11.86	11.74	0.12
				velocity		8.52	8.47	107.0	8.43	8.52	

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

Heat 1

date 18-Jul-22

wind 2.5 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			11.31		22.33	22.33	5 / 1			
	reaction time	0.164				11.02		# of strides	11.31	11.02	0.29
		interval									
		velocity		8.84		9.07	8.96	93.7	8.84	9.07	
Suarez, Gabriela Anahi (ECU) (2019)	time			11.57		22.56	22.56	2 / 2			
	reaction time	0.129				10.99		# of strides	11.57	10.99	0.58
		interval									
		velocity		8.64		9.10	8.87	99.0	8.64	9.10	
Kaddari, Dalia (ITA) (2001)	time			11.60		22.75	22.75	4 / 3			
	reaction time	0.143				11.15		# of strides	11.60	11.15	0.45
		interval									
		velocity		8.62		8.97	8.79	97.0	8.62	8.97	
Wessolly, Jessica-Bianca (GER) (2019)	time			11.73		22.87	22.87	6 / 4			
	reaction time	0.159				11.14		# of strides	11.73	11.14	0.59
		interval									
		velocity		8.53		8.98	8.75	96.0	8.53	8.98	
Chukwuma, Rosemary (NGR) (2019)	time			11.68		22.93	22.93	3 / 5			
	reaction time	0.189				11.25		# of strides	11.68	11.25	0.43
		interval									
		velocity		8.56		8.89	8.72	101.0	8.56	8.89	
Odong, Ofonime (BRN) (1997)	time			11.61		22.98	22.98	8 / 6			
	reaction time	0.157				11.37		# of strides	11.61	11.37	0.24
		interval									
		velocity		8.61		8.80	8.70	96.0	8.61	8.80	
Safronova, Olga (KAZ) (1991)	time			11.58		23.50	23.50	7 / 7			
	reaction time	0.108				11.92		# of strides	11.58	11.92	-0.34
		interval									
		velocity		8.64		8.39	8.51	96.7	8.64	8.39	

Heptathlon - Heat 2

date 17-Jul-22

wind 1.4 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hall, Anna (USA) (2001)	time			11.81		23.08	23.08	4 / 1			
	reaction time	0.147				11.27	PB	# of strides	11.81	11.27	0.54
		interval									
		velocity		8.47		8.87	8.67	91.2	8.47	8.87	
Johnson-Thompson, Katarina (2019)	time			11.99		23.62	23.62	2 / 2			
	reaction time	0.145				11.63		# of strides	11.99	11.63	0.36
		interval									
		velocity		8.34		8.60	8.47	90.2	8.34	8.60	
Vetter, Anouk (NED) (1993)	time			12.18		23.73	23.73	8 / 3			
	reaction time	0.168				11.55		# of strides	12.18	11.55	0.63
		interval									
		velocity		8.21		8.66	8.43	95.0	8.21	8.66	
Sulek, Adrianna (POL) (1999)	time			12.20		23.77	23.77	5 / 4			
	reaction time	0.167				11.57	PB	# of strides	12.20	11.57	0.63
		interval									
		velocity		8.20		8.64	8.41	99.5	8.20	8.64	
Vidts, Noor (BEL) (1996)	time			12.26		23.92	23.92	7 / 5			
	reaction time	0.166				11.66		# of strides	12.26	11.66	0.60
		interval									
		velocity		8.16		8.58	8.36	94.0	8.16	8.58	
Atherley, Michelle (USA) (1995)	time			12.09		23.97	23.97	1 / 6			
	reaction time	0.134				11.88		# of strides	12.09	11.88	0.21
		interval									
		velocity		8.27		8.42	8.34	91.0	8.27	8.42	
Weißenberg, Sophie (GER) (1999)	time			12.20		24.06	24.06	3 / 7			
	reaction time	0.152				11.86		# of strides	12.20	11.86	0.34
		interval									
		velocity		8.20		8.43	8.31	93.0	8.20	8.43	
Williams, Kendell (USA) (1995)	time			12.63		25.27	25.27	6 / 8			
	reaction time	0.153				12.64		# of strides	12.63	12.64	-0.01
		interval									
		velocity		7.92		7.91	7.91		7.92	7.91	

Heptathlon - Heat 1

date 17-Jul-22

wind 1.5 m/s

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

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kälin, Annik (SUI) (2000)	time		12.03		24.05	24.05	8 / 1			
	reaction time	0.142			12.02		# of strides	12.03	12.02	0.01
	velocity		8.31		8.32	8.32	101.0	8.31	8.32	
Thiam, Nafissatou (BEL) (1994)	time		12.35		24.39	24.39	2 / 2			
	reaction time	0.138			12.04		# of strides	12.35	12.04	0.31
	velocity		8.10		8.31	8.20	91.0	8.10	8.31	
Oosterwegel, Emma (NED) (1991)	time		12.58		24.43	24.43	3 / 3			
	reaction time	0.198			11.85		# of strides	12.58	11.85	0.73
	velocity		7.95		8.44	8.19	96.5	7.95	8.44	
Ligarska, Paulina (POL) (1996)	time		12.50		24.65	24.65	5 / 4			
	reaction time	0.159			12.15	PB	# of strides	12.50	12.15	0.35
	velocity		8.00		8.23	8.11	88.0	8.00	8.23	
Conte, Claudia (ESP) (1999)	time		12.45		24.77	24.77	4 / 5			
	reaction time	0.163			12.32	PB	# of strides	12.45	12.32	0.13
	velocity		8.03		8.12	8.07	100.0	8.03	8.12	
Krizsán, Xénia (HUN) (1993)	time		12.53		24.82	24.82	6 / 6			
	reaction time	0.143			12.29		# of strides	12.53	12.29	0.24
	velocity		7.98		8.14	8.06	93.2	7.98	8.14	
Zamzow-Mahler, Ashtin (USA)	time		12.25		25.15	25.15	7 / 7			
	reaction time	0.170			12.90		# of strides	12.25	12.90	-0.65
	velocity		8.16		7.75	7.95	102.0	8.16	7.75	

2022 Bauhaus Galan (Stockholm, SWE)**FINAL**

date 30-Jun-22 wind 0.1 m/s

Omega Timing (2022) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Asher-Smith, Dina (GBR) (1995)	time	6.10	11.15	16.47	22.37	22.37	5 / 1			
	reaction time	0.158		5.05	5.90		# of strides	11.15	11.22	-0.07
	velocity	8.20	9.90	9.40	8.47	8.94	95.0	8.97	8.91	
Kambundji, Mujinga (SUI) (1992)	time	6.17	11.23	16.54	22.37	22.37	6 / 2			
	reaction time	0.129		5.06	5.83		# of strides	11.23	11.14	0.09
	velocity	8.10	9.88	9.42	8.58	8.94	100.0	8.90	8.98	
Karstoft, Ida (DEN) (1995)	time	6.37	11.51	16.95	22.90	22.90	7 / 3			
	reaction time	0.176		5.14	5.95		# of strides	11.51	11.39	0.12
	velocity	7.85	9.73	9.19	8.40	8.73	91.0	8.69	8.78	
Gaither, TyNia (BAH) (1993)	time	6.35	11.53	17.01	23.06	23.06	4 / 4			
	reaction time	0.156		5.18	6.05		# of strides	11.53	11.53	0.00
	velocity	7.87	9.65	9.12	8.26	8.67	104.0	8.67	8.67	
Bass, Gina (GAM) (1995)	time	6.31	11.49	17.04	23.31	23.31	3 / 5			
	reaction time	0.152		5.18	6.27		# of strides	11.49	11.82	-0.33
	velocity	7.92	9.65	9.01	7.97	8.58	103.7	8.70	8.46	
Del Ponte, Ajla (SUI) (1996)	time	6.32	11.50	17.12	23.41	23.41	2 / 6			
	reaction time	0.140		5.18	6.29		# of strides	11.50	11.91	-0.41
	velocity	7.91	9.65	8.90	7.95	8.54	101.0	8.70	8.40	
Henriksson, Julia (SWE) (2000)	time	6.52	11.83	17.41	23.57	23.57	8 / 7			
	reaction time	0.186		5.31	6.16		# of strides	11.83	11.74	0.09
	velocity	7.67	9.42	8.96	8.12	8.49	99.0	8.45	8.52	
Lilja, Lisa (SWE) (1996)	time	6.55	11.94	17.61	23.78	23.78	1 / 8			
	reaction time	0.142		5.39	6.17		# of strides	11.94	11.84	0.10
	velocity	7.63	9.28	8.82	8.10	8.41	100.0	8.38	8.45	

2022 USATF National Championships (Eugene, OR)

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

FINAL

date 26-Jun-22

wind -0.3 m/s

Track Newsletter (2022) - USATF championships women

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Steiner, Abby (USA) (1999)	time	6.34	11.36	16.47	21.77	21.77	/ 1			
	reaction time		5.02	5.11	5.30	PB	# of strides	11.36	10.41	0.95
	velocity	7.89	9.96	9.78	9.43	9.19		8.80	9.61	
Clark, Tamara (USA) (1999)	time	6.19	11.30	16.45	21.92	21.92	/ 2			
	reaction time		5.11	5.15	5.47	PB	# of strides	11.30	10.62	0.68
	velocity	8.08	9.78	9.71	9.14	9.12		8.85	9.42	
Prandini, Jenna (USA) (1992)	time	6.29	11.27	16.42	22.01	22.01	/ 3			
	reaction time		4.98	5.15	5.59		# of strides	11.27	10.74	0.53
	velocity	7.95	10.04	9.71	8.94	9.09		8.87	9.31	
Sturgis, Cambrea (USA) (1999)	time	6.33	11.44	16.62	22.16	22.16	/ 4			
	reaction time		5.11	5.18	5.54		# of strides	11.44	10.72	0.72
	velocity	7.90	9.78	9.65	9.03	9.03		8.74	9.33	
Brown, Brittany (USA) (1995)	time	6.35	11.38	16.69	22.22	22.22	/ 5			
	reaction time		5.03	5.31	5.53		# of strides	11.38	10.84	0.54
	velocity	7.87	9.94	9.42	9.04	9.00		8.79	9.23	
Mitchell, A'Keyla (USA) (1995)	time	6.41	11.50	16.76	22.39	22.39	/ 6			
	reaction time		5.09	5.26	5.63	PB	# of strides	11.50	10.89	0.61
	velocity	7.80	9.82	9.51	8.88	8.93		8.70	9.18	
White, Kalya (USA) (1996)	time	6.34	11.49	16.74	22.39	22.39	/ 7			
	reaction time		5.15	5.25	5.65		# of strides	11.49	10.90	0.59
	velocity	7.89	9.71	9.52	8.85	8.93		8.70	9.17	
Thomas, Gabby (USA) (1996)	time	6.34	11.48	16.74	22.47	22.47	/ 8			
	reaction time		5.14	5.26	5.73		# of strides	11.48	10.99	0.49
	velocity	7.89	9.73	9.51	8.73	8.90		8.71	9.10	

2022 Golden Gala Pietro Mennea (Rome, ITA)

FINAL

date 09-Jun-22

wind 1.3 m/s

Omega Timing (2022) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time	6.19	11.18	16.35	21.91	21.91	4 / 1			
	reaction time 0.158		4.99	5.17	5.56		# of strides	11.18	10.73	0.45
	velocity	8.08	10.02	9.67	8.99	9.13	95.0	8.94	9.32	
Thompson-Herah, Elaine (JAM)	time	6.20	11.16	16.45	22.25	22.25	6 / 2			
	reaction time 0.176		4.96	5.29	5.80		# of strides	11.16	11.09	0.07
	velocity	8.06	10.08	9.45	8.62	8.99	99.0	8.96	9.02	
Asher-Smith, Dina (GBR) (1995)	time	6.15	11.21	16.50	22.27	22.27	5 / 3			
	reaction time 0.156		5.06	5.29	5.77		# of strides	11.21	11.06	0.15
	velocity	8.13	9.88	9.45	8.67	8.98	95.2	8.92	9.04	
Miller-Uibo, Shaunae (BAH) (1991)	time	6.40	11.53	16.81	22.48	22.48	7 / 4			
	reaction time 0.142		5.13	5.28	5.67		# of strides	11.53	10.95	0.58
	velocity	7.81	9.75	9.47	8.82	8.90	89.7	8.67	9.13	
Ta Lou, Marie-Josée (CIV) (1988)	time	6.30	11.46	16.86	22.77	22.77	2 / 5			
	reaction time 0.182		5.16	5.40	5.91		# of strides	11.46	11.31	0.15
	velocity	7.94	9.69	9.26	8.46	8.78	101.2	8.73	8.84	
Kambundji, Mujinga (SUI) (1992)	time	6.26	11.43	16.88	22.80	22.80	3 / 6			
	reaction time 0.147		5.17	5.45	5.92		# of strides	11.43	11.37	0.06
	velocity	7.99	9.67	9.17	8.45	8.77	101.0	8.75	8.80	
Felix, Allyson (USA) (1985)	time	6.36	11.53	16.99	22.97	22.97	8 / 7			
	reaction time 0.159		5.17	5.46	5.98		# of strides	11.53	11.44	0.09
	velocity	7.86	9.67	9.16	8.36	8.71	94.0	8.67	8.74	
Kaddari, Dalia (ITA) (2001)		time	6.44	11.66	17.22	23.29	23.29	9 / 8		

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

reaction time	0.148	interval	5.22	5.56	6.07		# of strides	11.66	11.63	0.03
		velocity	7.76	9.58	8.99	8.24	8.59	97.7	8.58	8.60
Dobbin, Beth (GBR) (1994)	time	6.48	11.81	17.39	23.36	23.36	1 / 9			
reaction time	0.154	interval	5.33	5.58	5.97		# of strides	11.81	11.55	0.26
		velocity	7.72	9.38	8.96	8.38	8.56	101.0	8.47	8.66

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

National FINAL

national FINAL		date	05-Jun-22	wind	1.1 m/s	Omega Timing (2022) - diamond league race analysis							
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Lahlali, Salma (MAR) (2003)	time			6.83	12.42	18.27	24.47	24.47	3 / 1				
	reaction time	0.238	interval		5.59	5.85	6.20		# of strides		12.42	12.05	0.37
			velocity	7.32	8.94	8.55	8.06	8.17			8.05	8.30	
Nafea, Amal (MAR) (2002)	time			7.08	12.98	19.22	26.13	26.13	8 / 2				
	reaction time	0.183	interval		5.90	6.24	6.91		# of strides		12.98	13.15	-0.17
			velocity	7.06	8.47	8.01	7.24	7.65			7.70	7.60	
Rammak, Saida (MAR) (1994)	time			7.03	12.98	19.31	26.14	26.14	5 / 3				
	reaction time	0.172	interval		5.95	6.33	6.83	PB	# of strides		12.98	13.16	-0.18
			velocity	7.11	8.40	7.90	7.32	7.65			7.70	7.60	
Dahmani, Ghita (MAR) (2005)	time			7.18	13.19	19.52	26.24	26.24	2 / 4				
	reaction time	0.197	interval		6.01	6.33	6.72		# of strides		13.19	13.05	0.14
			velocity	6.96	8.32	7.90	7.44	7.62			7.58	7.66	
El Ouarat, Salma (MAR) (2002)	time			7.59	13.49	19.74	26.33	26.33	4 / 5				
	reaction time	0.309	interval		5.90	6.25	6.59		# of strides		13.49	12.84	0.65
			velocity	6.59	8.47	8.00	7.59	7.60			7.41	7.79	
El Houma, Hiba (MAR) (2005)	time			7.14	13.31	19.73	26.78	26.78	6 / 6				
	reaction time	0.167	interval		6.17	6.42	7.05		# of strides		13.31	13.47	-0.16
			velocity	7.00	8.10	7.79	7.09	7.47			7.51	7.42	
Hobaiba, Safae (MAR) (2004)	time			7.38	13.62	20.17	27.33	27.33	7 / 7				
	reaction time	0.196	interval		6.24	6.55	7.16		# of strides		13.62	13.71	-0.09
			velocity	6.78	8.01	7.63	6.98	7.32			7.34	7.29	

2022 Japanese Multi-Event National Championships (Akita, JPN)

Heptathlon - FINAL

heptathlon - FINAL		date	04-Jun-22	wind	0.9 m/s	Takefu (2023) - performance analysis of heptathletes in the 2022 season							
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Hemphill, Meg (JPN) (1996)	time			6.93	12.66	18.67	25.21	25.21	5 / 1				
	reaction time	interval			5.73	6.01	6.54		# of strides		12.66	12.55	0.11
		velocity		7.22	8.73	8.32	7.65	7.93			7.90	7.97	
Yamasaki, Yuki (JPN) (1995)	time			6.87	12.56	18.64	25.42	25.42	7 / 2				
	reaction time	interval			5.69	6.08	6.78		# of strides		12.56	12.86	-0.30
		velocity		7.28	8.79	8.22	7.37	7.87			7.96	7.78	
Odama, Karin (JPN) (1999)	time			7.08	12.90	19.12	26.06	26.06	9 / 4				
	reaction time	interval			5.82	6.22	6.94		# of strides		12.90	13.16	-0.26
		velocity		7.06	8.59	8.04	7.20	7.67			7.75	7.60	

2022 Prefontaine Classic (Eugene, OR)

FINAL

		date	28-May-22	wind	1.3 m/s	Omega Timing (2022) - diamond league race analysis							
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Fraser-Pryce, Shelly-Ann (JAM)	time			6.22	11.31	16.63	22.41	22.41	5 / 1				
	reaction time	0.155	interval		5.09	5.32	5.78		# of strides		11.31	11.10	0.21
			velocity		8.04	9.82	9.40	8.65	8.92	98.5	8.84	9.01	
Brown, Brittany (USA) (1995)	time			6.34	11.57	16.99	22.74	22.74	6 / 2				
	reaction time	0.151	interval		5.23	5.42	5.75		# of strides		11.57	11.17	0.40
			velocity		7.89	9.56	9.23	8.70	8.80	99.0	8.64	8.95	
Strachan, Anthonique (BAH) (1991)		time		6.33	11.52	16.98	22.76	22.76	8 / 3				

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

reaction time	0.146	interval	5.19	5.46	5.78	# of strides	11.52	11.24	0.28
velocity	7.90	9.63	9.16	8.65	8.79	89.6	8.68	8.90	
Prandini, Jenna (USA) (1992)	time	6.24	11.29	16.73	22.77	22.77	7 / 4		
reaction time	0.170	interval	5.05	5.44	6.04	# of strides	11.29	11.48	-0.19
velocity	8.01	9.90	9.19	8.28	8.78	99.0	8.86	8.71	
Clark, Tamara (USA) (1999)	time	6.21	11.42	16.87	22.77	22.77	2 / 5		
reaction time	0.140	interval	5.21	5.45	5.90	# of strides	11.42	11.35	0.07
velocity	8.05	9.60	9.17	8.47	8.78	102.5	8.76	8.81	
Sturgis, Cambrea (USA) (1999)	time	6.33	11.55	16.96	22.85	22.85	3 / 6		
reaction time	0.170	interval	5.22	5.41	5.89	# of strides	11.55	11.30	0.25
velocity	7.90	9.58	9.24	8.49	8.75	100.2	8.66	8.85	
Kambundji, Mujinga (SUI) (1992)	time	6.32	11.57	17.01	22.88	22.88	4 / 7		
reaction time	0.145	interval	5.25	5.44	5.87	# of strides	11.57	11.31	0.26
velocity	7.91	9.52	9.19	8.52	8.74	101.2	8.64	8.84	
Bryant, Dezerea (USA) (1993)	time	6.21	11.50	17.00	22.91	22.91	1 / 8		
reaction time	0.132	interval	5.29	5.50	5.91	# of strides	11.50	11.41	0.09
velocity	8.05	9.45	9.09	8.46	8.73	102.0	8.70	8.76	
Jackson, Shawnti (USA) (2005)	time	6.34	11.58	17.18	23.28	23.28	9 / 9		
reaction time	0.124	interval	5.24	5.60	6.10	# of strides	11.58	11.70	-0.12
velocity	7.89	9.54	8.93	8.20	8.59	100.0	8.64	8.55	

2022 Shimane High School Championships (Izumo, JPN)

FINAL

		date	28-May-22	wind	1.7 m/s	Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Murakami, Tamamo (JPN)	time				12.87	19.08	25.88	25.88	5 / 1			
	reaction time					6.21	6.80		# of strides	12.87	13.01	-0.14
	velocity				7.77	8.05	7.35	7.73		7.77	7.69	
Sakakibara, Sora (JPN)	time				13.30	19.58	26.38	26.38	7 / 2			
	reaction time					6.28	6.80		# of strides	13.30	13.08	0.22
	velocity				7.52	7.96	7.35	7.58		7.52	7.65	
Masumura, Koyuki (JPN)	time				13.48	19.81	26.84	26.84	4 / 3			
	reaction time					6.33	7.03		# of strides	13.48	13.36	0.12
	velocity				7.42	7.90	7.11	7.45		7.42	7.49	
Moriyoshi, Hinata (JPN)	time				13.56	20.05	27.01	27.01	9 / 4			
	reaction time					6.49	6.96		# of strides	13.56	13.45	0.11
	velocity				7.37	7.70	7.18	7.40		7.37	7.43	
Matsumoto, Kaho (JPN)	time				13.63	20.11	27.24	27.24	6 / 5			
	reaction time					6.48	7.13		# of strides	13.63	13.61	0.02
	velocity				7.34	7.72	7.01	7.34		7.34	7.35	
Hata, Kokomi (JPN) (2006)	time				13.59	20.24	27.50	27.50	2 / 6			
	reaction time					6.65	7.26		# of strides	13.59	13.91	-0.32
	velocity				7.36	7.52	6.89	7.27		7.36	7.19	
Sasagawa, Juri (JPN)	time				13.79	20.38	27.52	27.52	8 / 7			
	reaction time					6.59	7.14		# of strides	13.79	13.73	0.06
	velocity				7.25	7.59	7.00	7.27		7.25	7.28	
Okuni, Chinatsu (JPN)	time				14.05	20.72	27.83	27.83	3 / 8			
	reaction time					6.67	7.11		# of strides	14.05	13.78	0.27
	velocity				7.12	7.50	7.03	7.19		7.12	7.26	

2022 Doha Diamond League (Doha, QAT)

Final

date	13-May-22	wind	1.3 m/s	Omega Timing (2022) - diamond league race analysis							
			50m	100m	150m	200m	Official Time	Lane/ Place	0-100m	100-200m	Differential

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

Thomas, Gabrielle (USA) (1996)	time	6.2	11.1	17.9	21.98	21.98	5 / 1			
	reaction time	0.172	interval	4.90	6.80	4.08	# of strides	11.10	10.88	0.22
	velocity	8.06	10.20	7.35	12.25	9.10	89.2	9.01	9.19	
Jackson, Shericka (JAM) (1994)	time	6.2	11.2	16.4	22.07	22.07	6 / 2			
	reaction time	0.165	interval	5.00	5.20	5.67	# of strides	11.20	10.87	0.33
	velocity	8.06	10.00	9.62	8.82	9.06	94.7	8.93	9.20	
Asher-Smith, Dina (GBR) (1995)	time	6.2	11.3	16.7	22.37	22.37	4 / 3			
	reaction time	0.160	interval	5.10	5.40	5.67	# of strides	11.30	11.07	0.23
	velocity	8.06	9.80	9.26	8.82	8.94	93.5	8.85	9.03	
Clark, Tamara (USA) (1999)	time	6.3	11.5	16.9	22.72	22.72	7 / 4			
	reaction time	0.168	interval	5.20	5.40	5.82	# of strides	11.50	11.22	0.28
	velocity	7.94	9.62	9.26	8.59	8.80	100.0	8.70	8.91	
Strachan, Anthonique (BAH) (1994)	time	6.4	11.6	16.9	22.78	22.78	3 / 5			
	reaction time	0.123	interval	5.20	5.30	5.88	# of strides	11.60	11.18	0.42
	velocity	7.81	9.62	9.43	8.50	8.78	89.5	8.62	8.94	
Dobbin, Beth (GBR) (1994)	time	6.4	11.7	17.4	23.06	23.06	2 / 6			
	reaction time	0.164	interval	5.30	5.70	5.66	# of strides	11.70	11.36	0.34
	velocity	7.81	9.43	8.77	8.83	8.67	99.2	8.55	8.80	
Bryant, Dezerea (USA) (1993)	time	5.7	11.5	17.1	23.12	23.12	8 / 7			
	reaction time	0.163	interval	5.80	5.60	6.02	# of strides	11.50	11.62	-0.12
	velocity	8.77	8.62	8.93	8.31	8.65	102.0	8.70	8.61	
Ray, Shannon (USA) (1995)	time	6.5	11.9	17.4	23.15	23.15	1 / 8			
	reaction time	0.158	interval	5.40	5.50	5.75	# of strides	11.90	11.25	0.65
	velocity	7.69	9.26	9.09	8.70	8.64	104.5	8.40	8.89	

2022 Michitaka Kinami Memorial (Osaka, JPN)**Heptathlon - Heat 1**date 30-Apr-22 wind -1.5 m/s *Takefu (2023) - performance analysis of heptathletes in the 2022 season*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time	6.75	12.34	18.35	24.99	24.99	2 / 1			
	reaction time	0.181	interval	5.59	6.01	6.64	# of strides	12.34	12.65	-0.31
	velocity	7.41	8.94	8.32	7.53	8.00		8.10	7.91	
Hemphill, Meg (JPN) (1996)	time	6.73	12.28	18.32	25.10	25.10	7 / 2			
	reaction time	0.165	interval	5.55	6.04	6.78	# of strides	12.28	12.82	-0.54
	velocity	7.43	9.01	8.28	7.37	7.97		8.14	7.80	

2021 Japanese U16 National Championships (Matsuyama, JPN) (150m)**FINAL**date 23-Oct-21 wind 1.1 m/s *Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
Shimada, Kohane (JPN) (2006)	time	6.68	12.12	17.96	17.96	5 / 1			
	reaction time		interval	5.44	5.84	# of strides	12.12		11.28
	velocity	7.49	9.19	8.56	11.14	79.0	8.25		8.87
Fukuoka, Shion (JPN) (2007)	time	6.79	12.29	18.25	18.25	2 / 2			
	reaction time		interval	5.50	5.96	# of strides	12.29		11.46
	velocity	7.36	9.09	8.39	10.96	76.0	8.14		8.73
Akaska, Miyuu (JPN) (2006)	time	6.82	12.42	18.39	18.39	6 / 3			
	reaction time		interval	5.60	5.97	# of strides	12.42		11.57
	velocity	7.33	8.93	8.38	10.88	75.5	8.05		8.64
Koike, Hina (JPN)	time	6.87	12.52	18.53	18.53	3 / 4			
	reaction time		interval	5.65	6.01	# of strides	12.52		11.66
	velocity	7.28	8.85	8.32	10.79	78.0	7.99		8.58
Seta, Haruna (JPN) (2006)	time	7.01	12.75	18.73	18.73	7 / 5			
	reaction time		interval	5.74	5.98	# of strides	12.75		11.72
	velocity	7.13	8.71	8.36	10.68	75.5	7.84		8.53

2021 Memorial van Damme (Brussels, BEL)

FINAL

date 03-Sep-21 wind 0.4 m/s

Omega Timing (2021) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Mboma, Christine (NAM) (2003)	time		6.4	11.4	16.5	21.84	21.84	5 / 1			
	reaction time	0.185	interval	5.00	5.10	5.34		# of strides	11.40	10.44	0.96
			velocity	7.81	10.00	9.80	9.16	96.0	8.77	9.58	
Jackson, Shericka (JAM) (1994)	time		6.3	11.3	16.4	21.95	21.95	6 / 2			
	reaction time	0.193	interval	5.00	5.10	5.55		# of strides	11.30	10.65	0.65
			velocity	7.94	10.00	9.80	9.01	95.5	8.85	9.39	
Asher-Smith, Dina (GBR) (1995)	time		6.2	11.3	16.6	22.04	22.04	3 / 3			
	reaction time	0.179	interval	5.10	5.30	5.44		# of strides	11.30	10.74	0.56
			velocity	8.06	9.80	9.43	9.19	94.0	8.85	9.31	
Richardson, Sha'Carri (USA) (2016)	time		6.3	11.3	16.7	22.45	22.45	4 / 4			
	reaction time	0.185	interval	5.00	5.40	5.75		# of strides	11.30	11.15	0.15
			velocity	7.94	10.00	9.26	8.70	101.0	8.85	8.97	
Masilingi, Beatrice (NAM) (2003)	time		6.4	11.5	16.9	22.50	22.50	7 / 5			
	reaction time	0.194	interval	5.10	5.40	5.60		# of strides	11.50	11.00	0.50
			velocity	7.81	9.80	9.26	8.93	92.0	8.70	9.09	
Vervaeke, Imke (BEL) (1993)	time		6.6	11.9	17.5	23.28	23.28	8 / 6			
	reaction time	0.171	interval	5.30	5.60	5.78		# of strides	11.90	11.38	0.52
			velocity	7.58	9.43	8.93	8.65	99.2	8.40	8.79	
Kaden, Lilly (GER) (2001)	time		6.5	11.7	17.4	23.40	23.40	1 / 7			
	reaction time	0.206	interval	5.20	5.70	6.00		# of strides	11.70	11.70	0.00
			velocity	7.69	9.62	8.77	8.33	101.0	8.55	8.55	
Rosius, Rani (BEL) (2000)	time		6.6	11.9	17.7	23.79	23.79	2 / 8			
	reaction time	0.204	interval	5.30	5.80	6.09		# of strides	11.90	11.89	0.01
			velocity	7.58	9.43	8.62	8.21	100.0	8.40	8.41	

2021 Athletissima (Lausanne, SUI)

FINAL

date 26-Aug-21 wind 2.5 m/s

Omega Timing (2021) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
van Hunenstijn, Marije (NED) (1991)	time		6.5	11.8	17.1	22.78	22.78	4 / 1			
	reaction time	0.162	interval	5.30	5.30	5.68		# of strides	11.80	10.98	0.82
			velocity	7.69	9.43	9.43	8.80	93.7	8.47	9.11	
Schwab, Corinna (GER) (1999)	time		6.5	11.6	17.1	22.97	22.97	5 / 2			
	reaction time	0.150	interval	5.10	5.50	5.87		# of strides	11.60	11.37	0.23
			velocity	7.69	9.80	9.09	8.52	97.0	8.62	8.80	
Kielbasinska, Anna (POL) (1990)	time		6.5	11.8	17.3	23.08	23.08	6 / 3			
	reaction time	0.135	interval	5.30	5.50	5.78		# of strides	11.80	11.28	0.52
			velocity	7.69	9.43	9.09	8.65	97.2	8.47	8.87	
Wessolly, Jessica-Bianca (GER) (1991)	time		6.5	11.8	17.3	23.11	23.11	3 / 4			
	reaction time	0.151	interval	5.30	5.50	5.81		# of strides	11.80	11.31	0.49
			velocity	7.69	9.43	9.09	8.61	98.0	8.47	8.84	
Nelson, Ashleigh (GBR) (1991)	time		6.5	11.8	17.3	23.14	23.14	7 / 5			
	reaction time	0.154	interval	5.30	5.50	5.84		# of strides	11.80	11.34	0.46
			velocity	7.69	9.43	9.09	8.56	97.2	8.47	8.82	
Pointet, Léonie (SUI) (2001)	time		6.5	11.9	17.5	23.49	23.49	2 / 6			
	reaction time	0.137	interval	5.40	5.60	5.99		# of strides	11.90	11.59	0.31
			velocity	7.69	9.26	8.93	8.35	104.5	8.40	8.63	
Bokesa, Auri Lorena (ESP) (1991)	time		6.9	12.3	17.9	23.64	23.64	8 / 7			
	reaction time	0.196	interval	5.40	5.60	5.74		# of strides	12.30	11.34	0.96

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

velocity	7.25	9.26	8.93	8.71	8.46	8.13	8.82	
van Vliet, Leonie (NED) (1993) time	6.6	12.0	17.8	23.90	23.90	1 / 8		
reaction time	0.232	interval	5.40	5.80	6.10	# of strides	12.00	11.90
velocity	7.58	9.26	8.62	8.20	8.37	96.0	8.33	8.40

2020 Olympic Games (Tokyo, JPN)

FINAL

date 03-Aug-21

wind 0.8 m/s

Vazel (2021) - <https://twitter.com/pjvazel/status/1422593785813377036?s=21>

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thompson-Herah, Elaine (JAM) time		10.99	16.06	21.53	21.53	7 / 1			
reaction time	0.173	interval	5.07	5.47	NR PB	# of strides	10.99	10.54	0.45
velocity		9.10	9.86	9.14	9.29	96.7	9.10	9.49	
Mboma, Christine (NAM) (2003) time		11.40	16.50	21.81	21.81	5 / 2			
reaction time	0.169	interval	5.10	5.31	AR WJR	# of strides	11.40	10.41	0.99
velocity		8.77	9.80	9.42	9.17	97.0	8.77	9.61	
Thomas, Gabrielle (USA) (1996) time	0.159	no information available			21.87	3 / 3		# of strides	91.0
Fraser-Pryce, Shelly-Ann (JAM) time	0.141	no information available			21.94	4 / 4		# of strides	98.0
Ta Lou, Marie-Josée (CIV) (1988) time	0.150	no information available			22.27	6 / 5		# of strides	98.0
Masilingi, Beatrice (NAM) (2003) time	0.166	no information available			PB 22.28	8 / 6		# of strides	91.7
Kambundji, Mujinga (SUI) (1992) time	0.147	no information available			22.30	2 / 7		# of strides	100.5
Miller-Uibo, Shaunae (BAH) (19) time	0.145	no information available			24.00	9 / 8		# of strides	

2021 Japanese High School National Championships (Fukui, JPN)

FINAL

date 31-Jul-21

wind 2.2 m/s

Shibayama (2021) - national high school and U20 national championships

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sato, Misato (JPN) (2003) time	6.58	12.17	17.75	23.71	23.71	4 / 1			
reaction time	0.155	interval	5.59	5.96		# of strides	12.17	11.54	0.63
velocity	7.60	8.94	8.96	8.39	8.44		8.22	8.67	
Onodera, Ayami (JPN) (2003) time	6.58	12.16	17.78	23.81	23.81	3 / 2			
reaction time	0.157	interval	5.58	6.03		# of strides	12.16	11.65	0.51
velocity	7.60	8.96	8.90	8.29	8.40		8.22	8.58	
Kurashige, Miu (JPN) (2004) time	6.45	12.03	17.75	23.87	23.87	5 / 3			
reaction time	0.150	interval	5.58	6.12		# of strides	12.03	11.84	0.19
velocity	7.75	8.96	8.74	8.17	8.38		8.31	8.45	
Yamagata, Aiha (JPN) (2005) time	6.60	12.23	17.90	23.89	23.89	6 / 4			
reaction time	0.187	interval	5.63	5.99		# of strides	12.23	11.66	0.57
velocity	7.58	8.88	8.82	8.35	8.37		8.18	8.58	
Satou, Aoi (JPN) (2004) time	6.65	12.27	17.93	23.93	23.93	8 / 5			
reaction time	0.177	interval	5.62	6.00		# of strides	12.27	11.66	0.61
velocity	7.52	8.90	8.83	8.33	8.36		8.15	8.58	
Kurahasi, Miho (JPN) (2004) time	6.61	12.23	17.94	24.09	24.09	2 / 6			
reaction time	0.150	interval	5.62	6.15		# of strides	12.23	11.86	0.37
velocity	7.56	8.90	8.76	8.13	8.30		8.18	8.43	
Komatsu, Konomi (JPN) (2004) time	6.69	12.36	18.07	24.21	24.21	1 / 7			
reaction time	0.223	interval	5.67	6.14		# of strides	12.36	11.85	0.51
velocity	7.47	8.82	8.76	8.14	8.26		8.09	8.44	
Sakamoto, Minami (JPN) (2006) time	6.63	12.38	18.13	24.31	24.31	7 / 8			
reaction time	0.152	interval	5.75	6.18		# of strides	12.38	11.93	0.45
velocity	7.54	8.70	8.70	8.09	8.23		8.08	8.38	

2021 Müller British Grand Prix (Gateshead, GBR)

FINAL

date 13-Jul-21

wind 0.2 m/s

Omega Timing (2021) - diamond league race analysis

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thompson-Herah, Elaine (JAM) time	6.2	11.4	16.7	22.43	22.43	5 / 1			
reaction time	0.159	interval	5.20	5.73		# of strides	11.40	11.03	0.37
velocity	8.06	9.62	9.43	8.73	8.92	99.5	8.77	9.07	

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

Williams, Jodie (GBR) (1993)	time	6.4	11.6	16.9	22.60	22.60	7 / 2			
	reaction time	0.143	interval	5.20	5.30	5.70	# of strides	11.60	11.00	0.60
	velocity	7.81	9.62	9.43	8.77	8.85	94.0	8.62	9.09	
Okagbare, Blessing (NGR) (1988)	time	6.5	11.6	16.9	22.61	22.61	8 / 3			
	reaction time	0.160	interval	5.10	5.30	5.71	# of strides	11.60	11.01	0.59
	velocity	7.69	9.80	9.43	8.76	8.85	92.5	8.62	9.08	
Clark, Tamara (USA) (1999)	time	6.3	11.4	16.8	22.62	22.62	4 / 4			
	reaction time	0.157	interval	5.10	5.40	5.82	# of strides	11.40	11.22	0.18
	velocity	7.94	9.80	9.26	8.59	8.84	101.0	8.77	8.91	
Dobbin, Beth (GBR) (1994)	time	6.5	11.7	17.1	22.92	22.92	3 / 5			
	reaction time	0.152	interval	5.20	5.40	5.82	# of strides	11.70	11.22	0.48
	velocity	7.69	9.62	9.26	8.59	8.73	100.0	8.55	8.91	
Bryant, Dezerea (USA) (1993)	time	6.3	11.5	17.0	22.95	22.95	6 / 6			
	reaction time	0.156	interval	5.20	5.50	5.95	# of strides	11.50	11.45	0.05
	velocity	7.94	9.62	9.09	8.40	8.71	103.0	8.70	8.73	
Neita, Daryll (GBR) (1996)	time	6.4	11.7	17.1	23.06	23.06	1 / 7			
	reaction time	0.158	interval	5.30	5.40	5.96	# of strides	11.70	11.36	0.34
	velocity	7.81	9.43	9.26	8.39	8.67	92.2	8.55	8.80	
Morrison, Natasha (JAM) (1992)	time	6.4	11.6	17.1	23.16	23.16	2 / 8			
	reaction time	0.161	interval	5.20	5.50	6.06	# of strides	11.60	11.56	0.04
	velocity	7.81	9.62	9.09	8.25	8.64	99.0	8.62	8.65	

2021 Herculis Meeting International d'Athletisme (Monaco, MON)**FINAL**

		date	09-Jul-21	wind	0.7 m/s	Omega Timing (2021) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miller-Uibo, Shaunae (BAH) (19)	time			6.3	11.4	16.7	22.23	22.23	7 / 1			
	reaction time	0.132	interval		5.10	5.30	5.53		# of strides	11.40	10.83	0.57
			velocity	7.94	9.80	9.43	9.04	9.00	90.0	8.77	9.23	
Ta Lou, Marie-Josée (CIV) (1988)	time			6.2	11.2	16.5	22.25	22.25	5 / 2			
	reaction time	0.144	interval		5.00	5.30	5.75		# of strides	11.20	11.05	0.15
			velocity	8.06	10.00	9.43	8.70	8.99	99.0	8.93	9.05	
Fraser-Pryce, Shelly-Ann (JAM)	time			6.1	11.2	16.5	22.48	22.48	6 / 3			
	reaction time	0.140	interval		5.10	5.30	5.98		# of strides	11.20	11.28	-0.08
			velocity	8.20	9.80	9.43	8.36	8.90	99.7	8.93	8.87	
Kambundji, Mujinga (SUI) (1992)	time			6.2	11.4	16.9	22.75	22.75	3 / 4			
	reaction time	0.128	interval		5.20	5.50	5.85		# of strides	11.40	11.35	0.05
			velocity	8.06	9.62	9.09	8.55	8.79	101.0	8.77	8.81	
Bryant, Dezerea (USA) (1993)	time			6.3	11.5	16.9	22.79	22.79	2 / 5			
	reaction time	0.148	interval		5.20	5.40	5.89		# of strides	11.50	11.29	0.21
			velocity	7.94	9.62	9.26	8.49	8.78	103.0	8.70	8.86	
Clark, Tamara (USA) (1999)	time			6.3	11.5	17.1	22.95	22.95	8 / 6			
	reaction time	0.174	interval		5.20	5.60	5.85		# of strides	11.50	11.45	0.05
			velocity	7.94	9.62	8.93	8.55	8.71	101.0	8.70	8.73	
Okagbare, Blessing (NGR) (1988)	time			6.4	11.5	17.0	22.98	22.98	4 / 7			
	reaction time	0.140	interval		5.10	5.50	5.98		# of strides	11.50	11.48	0.02
			velocity	7.81	9.80	9.09	8.36	8.70	93.2	8.70	8.71	

2021 Bauhaus Galan (Stockholm, SWE)**FINAL**

FINAL	date		04-Jul-21	wind	-0.4 m/s			Omega Timing (2021) - diamond league race analysis				
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Shericka (JAM) (1994)	time			6.3	11.4	16.5	22.10	22.10	5 / 1			
	reaction time	0.159	interval		5.10	5.10	5.60		# of strides	11.40	10.70	0.70

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

	velocity	7.94	9.80	9.80	8.93	9.05	96.0	8.77	9.35	
Ta Lou, Marie-Josée (CIV) (1988)	time	6.2	11.3	16.6	22.36	22.36	6 / 2			
	reaction time	0.156	interval	5.10	5.30	5.76	# of strides	11.30	11.06	0.24
	velocity	8.06	9.80	9.43	8.68	8.94	98.2	8.85	9.04	
Masilingi, Beatrice (NAM) (2003)	time	6.4	11.6	17.0	22.65	22.65	3 / 3			
	reaction time	0.196	interval	5.20	5.40	5.65	NR PB # of strides	11.60	11.05	0.55
	velocity	7.81	9.62	9.26	8.85	8.83	92.2	8.62	9.05	
Dobbin, Beth (GBR) (1994)	time	6.5	11.6	17.1	22.84	22.84	7 / 4			
	reaction time	0.151	interval	5.10	5.50	5.74	# of strides	11.60	11.24	0.36
	velocity	7.69	9.80	9.09	8.71	8.76	98.5	8.62	8.90	
Akinosun, Morolake (USA) (199)	time	6.5	11.8	17.2	22.97	22.97	4 / 5			
	reaction time	0.161	interval	5.30	5.40	5.77	# of strides	11.80	11.17	0.63
	velocity	7.69	9.43	9.26	8.67	8.71	105.7	8.47	8.95	
van Hunenstijn, Marije (NED) (1	time	6.6	12.0	17.5	23.28	23.28	1 / 6			
	reaction time	0.149	interval	5.40	5.50	5.78	# of strides	12.00	11.28	0.72
	velocity	7.58	9.26	9.09	8.65	8.59	95.0	8.33	8.87	
Lilja, Lisa (SWE) (1996)	time	6.6	11.8	17.4	23.39	23.39	8 / 7			
	reaction time	0.155	interval	5.20	5.60	5.99	PB # of strides	11.80	11.59	0.21
	velocity	7.58	9.62	8.93	8.35	8.55	98.0	8.47	8.63	
Hjelmer, Moa (SWE) (1990)	time	6.7	12.0	17.6	23.48	23.48	2 / 8			
	reaction time	0.164	interval	5.30	5.60	5.88	# of strides	12.00	11.48	0.52
	velocity	7.46	9.43	8.93	8.50	8.52	98.0	8.33	8.71	

2021 Chinese National Championships (Chongqing, CHN)

FINAL

		date	27-Jun-21	wind	-0.2 m/s						CAA Hurdle Development (2021)		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Ge Manqi (CHN) (1997)	time				11.63	17.08	22.98	22.98	5 / 1				
	reaction time	0.169	interval			5.45	5.90		# of strides		11.63	11.35	0.28
	velocity			8.60	9.17	8.47	8.70		95.0		8.60	8.81	
Huang Guifen (CHN) (1997)	time				11.95	17.51	23.47	23.47	6 / 2				
	reaction time	0.193	interval			5.56	5.96		# of strides		11.95	11.52	0.43
	velocity			8.37	8.99	8.39	8.52		95.5		8.37	8.68	
Liang Xiaojing (CHN) (1997)	time				11.84	17.42	23.48	23.48	4 / 3				
	reaction time	0.174	interval			5.58	6.06		# of strides		11.84	11.64	0.20
	velocity			8.45	8.96	8.25	8.52		104.0		8.45	8.59	
Liao Mengxue (CHN) (1995)	time				12.30	18.17	24.55	24.55	2 / 4				
	reaction time	0.211	interval			5.87	6.38		# of strides		12.30	12.25	0.05
	velocity			8.13	8.52	7.84	8.15		99.0		8.13	8.16	
Kong Lingwei (CHN) (1995)	time				12.55	18.47	25.15	25.15	3 / 5				
	reaction time	0.221	interval			5.92	6.68		# of strides		12.55	12.60	-0.05
	velocity			7.97	8.45	7.49	7.95		99.7		7.97	7.94	

Heat 4

		date	27-Jun-21	wind	0.5 m/s						CAA Hurdle Development (2021)		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Liang Xiaojing (CHN) (1997)	time			6.08	11.96	17.48	23.27	23.27	5 / 1				
	reaction time	0.174	interval			5.88	5.79		# of strides		11.96	11.31	0.65
	velocity			8.22	8.50	9.06	8.64	8.59	104.0		8.36	8.84	
Huang Guifen (CHN) (1997)	time			6.16	12.08	17.63	23.50	23.50	4 / 2				
	reaction time	0.235	interval			5.92	5.87		# of strides		12.08	11.42	0.66
	velocity			8.12	8.45	9.01	8.52	8.51	95.2		8.28	8.76	
Liu Yinglan (CHN) (2005)	time			6.26	12.33	18.02	23.96	23.96	2 / 3				
	reaction time	0.213	interval			6.07	5.94		# of strides		12.33	11.63	0.70
	velocity			7.99	8.24	8.79	8.42	8.35	97.5		8.11	8.60	

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

Li He (CHN) (2001)	time	6.19	12.21	17.98	24.20	24.20	3 / 4			
reaction time	0.209	interval	6.02	5.77	6.22		# of strides	12.21	11.99	0.22
		velocity	8.08	8.31	8.67	8.04	106.0	8.19	8.34	

Heat 3

	date	27-Jun-21	wind	0.9 m/s							CAA Hurdle Development (2021)
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tong Zenghuan (CHN) (1995)	time		6.23	12.23	17.88	24.00	24.00	3 / 1			
reaction time	0.329	interval		6.00	5.65	6.12		# of strides	12.23	11.77	0.46
		velocity	8.03	8.33	8.85	8.17	8.33	99.7	8.18	8.50	

Heat 2

	date	27-Jun-21	wind	0.4 m/s							CAA Hurdle Development (2021)
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ge Manqi (CHN) (1997)	time		5.95	11.69	17.22	23.45	23.45	5 / 1			
reaction time	0.180	interval		5.74	5.53	6.23		# of strides	11.69	11.76	-0.07
		velocity	8.40	8.71	9.04	8.03	8.53	104.0	8.55	8.50	
Kong Lingwei (CHN) (1995)	time		6.10	11.97	17.58	23.45	23.45	4 / 2			
reaction time	0.256	interval		5.87	5.61	5.87		# of strides	11.97	11.48	0.49
		velocity	8.20	8.52	8.91	8.52	8.53	100.5	8.35	8.71	
Cai Yanting (CHN) (2000)	time		6.08	12.01	17.72	23.45	23.45	6 / 3			
reaction time	0.165	interval		5.93	5.71	5.73		# of strides	12.01	11.44	0.57
		velocity	8.22	8.43	8.76	8.73	8.53	97.5	8.33	8.74	

Heat 1

	date	27-Jun-21	wind	0.8 m/s							CAA Hurdle Development (2021)
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Liao Mengxue (CHN) (1995)	time		6.18	12.15	17.87	23.98	23.98	6 / 1			
reaction time	0.249	interval		5.97	5.72	6.11		# of strides	12.15	11.83	0.32
		velocity	8.09	8.38	8.74	8.18	8.34	99.5	8.23	8.45	

2021 Japanese National Championships (Osaka, JPN)**FINAL**

	date	27-Jun-21	wind	-1.0 m/s	Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kodama, Mei (JPN) (1999)	time		6.51	11.87	17.43	23.46	23.46	6 / 1			
reaction time	0.183	interval		5.36	5.56	6.03		# of strides	11.87	11.59	0.28
		velocity	7.68	9.33	8.99	8.29	8.53	100.0	8.42	8.63	
Tsuruta, Remi (JPN) (1997)	time		6.59	12.01	17.58	23.65	23.65	7 / 2			
reaction time	0.192	interval		5.42	5.57	6.07		# of strides	12.01	11.64	0.37
		velocity	7.59	9.23	8.98	8.24	8.46	98.0	8.33	8.59	
Saito, Ami (JPN) (1999)	time		6.48	11.83	17.52	23.70	23.70	5 / 3			
reaction time	0.165	interval		5.35	5.69	6.18		# of strides	11.83	11.87	-0.04
		velocity	7.72	9.35	8.79	8.09	8.44	103.7	8.45	8.42	
Iki, Aiko (JPN) (2000)	time		6.62	12.05	15.67	23.79	23.79	8 / 4			
reaction time	0.190	interval		5.43	3.62	8.12		# of strides	12.05	11.74	0.31
		velocity	7.55	9.21	13.81	6.16	8.41	100.5	8.30	8.52	

2021 Japanese U20 National Championships (Osaka, JPN)**FINAL**

	date	27-Jun-21	wind	-0.4 m/s	Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sato, Misato (JPN) (2003)	time		6.80	12.45	18.15	24.25	24.25	4 / 1			
reaction time	0.190	interval		5.65	5.70	6.10	PB	# of strides	12.45	11.80	0.65
		velocity	7.35	8.85	8.77	8.20	8.25	105.7	8.03	8.47	
Kurashige, Miu (JPN) (2004)	time		6.61	12.16	18.04	24.43	24.43	6 / 2			
reaction time	0.170	interval		5.55	5.88	6.39	PB	# of strides	12.16	12.27	-0.11
		velocity	7.56	9.01	8.50	7.82	8.19	103.2	8.22	8.15	
Kurahasi, Miho (JPN) (2004)	time		6.73	12.27	18.20	24.72	24.72	5 / 3			
reaction time	0.160	interval		5.54	5.93	6.52		# of strides	12.27	12.45	-0.18
		velocity	7.43	9.03	8.43	7.67	8.09	99.0	8.15	8.03	

Gamo, Marin (JPN) (2003)	time	6.86	12.49	18.41	24.84	24.84	9 / 4			
reaction time	0.147	interval	5.63	5.92	6.43		# of strides	12.49	12.35	0.14
		velocity	7.29	8.88	8.45	7.78	8.05	105.5	8.01	8.10

2020 USA Olympic Trials (Eugene, OR)**FINAL**

date	26-Jun-21	wind	1.3 m/s	Vazel (2021) - https://twitter.com/pjvazel/status/1409396275791994886?s=21						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time		11.12		21.61	21.61	6 / 1			
reaction time	0.173	interval			10.49	PB	# of strides	11.12	10.49	0.63
		velocity		8.99	9.53	9.25	90.0	8.99	9.53	

2020 Chinese Olympic Trials (Shaoxing, CHN)**FINAL**

date	13-Jun-21	wind	0.2 m/s	CAA Hurdle Development (2021)						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huang Guifen (CHN) (1997)	time		11.91		23.53	23.53	5 / 1			
reaction time	0.202	interval			11.62		# of strides	11.91	11.62	0.29
		velocity		8.40	8.61	8.50	97.0	8.40	8.61	
Kong Lingwei (CHN) (1995)	time		11.89		23.58	23.58	3 / 2			
reaction time	0.211	interval			11.69		# of strides	11.89	11.69	0.20
		velocity		8.41	8.55	8.48	102.0	8.41	8.55	
Tong Zenghuan (CHN) (1995)	time		12.00		23.71	23.71	4 / 3			
reaction time	0.245	interval			11.71		# of strides	12.00	11.71	0.29
		velocity		8.33	8.54	8.44	100.2	8.33	8.54	
Cai Yanting (CHN) (2000)	time		11.93		23.82	23.82	8 / 5			
reaction time	0.151	interval			11.89		# of strides	11.93	11.89	0.04
		velocity		8.38	8.41	8.40	98.0	8.38	8.41	
Feng Lulu (CHN) (2000)	time		12.00		24.20	24.20	1 / 5			
reaction time	0.188	interval			12.20		# of strides	12.00	12.20	-0.20
		velocity		8.33	8.20	8.26	108.0	8.33	8.20	

Heat 2

date	12-Jun-21	wind	-0.4 m/s	CAA Hurdle Development (2021)						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Huang Guifen (CHN) (1997)	time		11.80		23.41	23.41	6 / 1			
reaction time	0.176	interval			11.61		# of strides	11.80	11.61	0.19
		velocity		8.47	8.61	8.54	97.0	8.47	8.61	
Tong Zenghuan (CHN) (1995)	time		11.73		23.71	23.71	3 / 2			
reaction time	0.218	interval			11.98		# of strides	11.73	11.98	-0.25
		velocity		8.53	8.35	8.44	101.0	8.53	8.35	
Cai Yanting (CHN) (2000)	time		11.90		23.91	23.91	5 / 3			
reaction time	0.154	interval			12.01		# of strides	11.90	12.01	-0.11
		velocity		8.40	8.33	8.36	99.0	8.40	8.33	
Feng Lulu (CHN) (2000)	time		11.95		24.34	24.34	4 / 4			
reaction time	0.158	interval			12.39		# of strides	11.95	12.39	-0.44
		velocity		8.37	8.07	8.22	108.2	8.37	8.07	
Zhu Cuiwei (CHN) (2000)	time		12.01		24.71	24.71	1 / 5			
reaction time	0.172	interval			12.70		# of strides	12.01	12.70	-0.69
		velocity		8.33	7.87	8.09	106.5	8.33	7.87	
Huang Ziting (CHN) (2003)	time		12.68		25.31	25.31	8 / 6			
reaction time	0.156	interval			12.63		# of strides	12.68	12.63	0.05
		velocity		7.89	7.92	7.90		7.89	7.92	

Heat 1

date	12-Jun-21	wind	-0.2 m/s	CAA Hurdle Development (2021)						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Liang Xiaojing (CHN) (1997)	time		11.63	17.16	23.40	23.40	5 / 1			
reaction time	0.156	interval		5.53	6.24		# of strides	11.63	11.77	-0.14
		velocity		8.60	9.04	8.01	8.55	8.60	8.50	

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

Kong Lingwei (CHN) (1995)	time	11.78	17.27	23.46	23.46	6 / 2			
reaction time	0.245	interval	5.49	6.19		# of strides	11.78	11.68	0.10
		velocity	8.49	9.11	8.08	102.0	8.49	8.56	
Li Yuting (CHN) (2002)	time	11.81	17.29	23.63	23.63	8 / 3			
reaction time	0.175	interval	5.48	6.34	PB	# of strides	11.81	11.82	-0.01
		velocity	8.47	9.12	7.89	93.0	8.47	8.46	
Ge Manqi (CHN) (1997)	time	11.78	17.50	23.95	23.95	4 / 4			
reaction time	0.163	interval	5.72	6.45		# of strides	11.78	12.17	-0.39
		velocity	8.49	8.74	7.75	93.2	8.49	8.22	
Zhu Cuiyan (CHN) (2000)	time	12.14	24.59	24.59		3 / 5			
reaction time	0.199	interval	12.45			# of strides	12.14	12.45	-0.31
		velocity	8.24	8.03	8.13	104.5	8.24	8.03	
Yuan Qiqi (CHN) (1995)	time	12.43	25.30	25.30		2 / 6			
reaction time	0.199	interval	12.87			# of strides	12.43	12.87	-0.44
		velocity	8.05	7.77	7.91	119.7	8.05	7.77	
Gu Zihan (CHN) (2001)	time	12.75	25.82	25.82		1 / 7			
reaction time	0.197	interval	13.07			# of strides	12.75	13.07	-0.32
		velocity	7.84	7.65	7.75		7.84	7.65	

2021 Golden Gala Pietro Mennea (Florence, ITA)

FINAL

date		10-Jun-21	wind	0.2 m/s	Omega Timing (2021) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Asher-Smith, Dina (GBR) (1995)	time		6.3	11.4	16.7	22.06	22.06	5 / 1			
	reaction time	0.136	interval		5.10	5.30	5.36	# of strides	11.40	10.66	0.74
			velocity	7.94	9.80	9.43	9.33	9.07	94.0	8.77	9.38
Ta Lou, Marie-Josée (CIV) (1988)	time		6.4	11.5	16.9	22.58	22.58	3 / 2			
	reaction time	0.147	interval		5.10	5.40	5.68	# of strides	11.50	11.08	0.42
			velocity	7.81	9.80	9.26	8.80	8.86	99.0	8.70	9.03
Kambundji, Mujinga (SUI) (1992)	time		6.5	11.6	17.2	22.60	22.60	6 / 3			
	reaction time	0.147	interval		5.10	5.60	5.40	# of strides	11.60	11.00	0.60
			velocity	7.69	9.80	8.93	9.26	8.85	100.0	8.62	9.09
Kaddari, Dalia (ITA) (2001)	time		6.7	11.8	17.3	22.86	22.86	7 / 4			
	reaction time	0.158	interval		5.10	5.50	5.56	# of strides	11.80	11.06	0.74
			velocity	7.46	9.80	9.09	8.99	8.75	96.2	8.47	9.04
Dobbin, Beth (GBR) (1994)	time		6.6	11.8	17.3	22.88	22.88	2 / 5			
	reaction time	0.154	interval		5.20	5.50	5.58	# of strides	11.80	11.08	0.72
			velocity	7.58	9.62	9.09	8.96	8.74	98.0	8.47	9.03
Schippers, Dafne (NED) (1992)	time		6.5	11.6	17.1	23.03	23.03	4 / 6			
	reaction time	0.134	interval		5.10	5.50	5.93	# of strides	11.60	11.43	0.17
			velocity	7.69	9.80	9.09	8.43	8.68	95.0	8.62	8.75
Hooper, Gloria (ITA) (1992)	time		6.8	12.0	17.5	23.25	23.25	8 / 7			
	reaction time	0.222	interval		5.20	5.50	5.75	# of strides	12.00	11.25	0.75
			velocity	7.35	9.62	9.09	8.70	8.60	97.5	8.33	8.89
Atcho, Sarah (SUI) (1995)	time		6.8	12.3	18.1	24.43	24.43	1 / 8			
	reaction time	0.145	interval		5.50	5.80	6.33	# of strides	12.30	12.13	0.17
			velocity	7.35	9.09	8.62	7.90	8.19	94.7	8.13	8.24

2021 Josef Odložil Memorial (Prague, CZE)

FINAL

date 07-Jun-21		wind 1.2 m/s	Vazel (2021) - https://twitter.com/pjvazel/status/1401965630484529154?s=21								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Mboma, Christine (NAM) (2003)	time	6.8	12.0	17.3	22.67	22.67	5 / 1				
	reaction time 0.166 interval		5.20	5.30	5.37	NR PB	# of strides	12.00	10.67	1.33	

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

velocity 7.35 9.62 9.43 9.31 8.82 98.0 8.33 9.37

2021 Shimane High School Championships (Izumo, JPN)

FINAL

date 30-May-21 wind 2.9 m/s Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ishikura, Tamaki (JPN) (2005)	time		12.91	19.06	25.59	25.59	6 / 1			
	reaction time			6.15	6.53		# of strides	12.91	12.68	0.23
	velocity		7.75	8.13	7.66	7.82		7.75	7.89	
Mochida, Kanon (JPN) (2003)	time		12.94	19.21	25.83	25.83	3 / 2			
	reaction time			6.27	6.62		# of strides	12.94	12.89	0.05
	velocity		7.73	7.97	7.55	7.74		7.73	7.76	
Tsugumi, Kaneko (JPN)	time		13.07	19.52	26.31	26.31	4 / 3			
	reaction time			6.45	6.79		# of strides	13.07	13.24	-0.17
	velocity		7.65	7.75	7.36	7.60		7.65	7.55	
Sakakibara, Sora (JPN)	time		13.29	19.66	26.34	26.34	2 / 4			
	reaction time			6.37	6.68		# of strides	13.29	13.05	0.24
	velocity		7.52	7.85	7.49	7.59		7.52	7.66	
Matsumura, Ai (JPN)	time		13.31	19.68	26.45	26.45	7 / 5			
	reaction time			6.37	6.77		# of strides	13.31	13.14	0.17
	velocity		7.51	7.85	7.39	7.56		7.51	7.61	
Kakuhashi, Kanan (JPN)	time		13.23	19.69	26.57	26.57	1 / 6			
	reaction time			6.46	6.88		# of strides	13.23	13.34	-0.11
	velocity		7.56	7.74	7.27	7.53		7.56	7.50	
Yamao, Miku (JPN)	time		13.21	19.69	26.57	26.57	5 / 7			
	reaction time			6.48	6.88		# of strides	13.21	13.36	-0.15
	velocity		7.57	7.72	7.27	7.53		7.57	7.49	
Masumura, Koyuki (JPN)	time		13.71	20.07	26.91	26.91	8 / 8			
	reaction time			6.36	6.84		# of strides	13.71	13.20	0.51
	velocity		7.29	7.86	7.31	7.43		7.29	7.58	

2021 Ready Steady Tokyo (Tokyo, JPN)

FINAL

date 09-May-21 wind 0.3 m/s Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hosoya, Yumi (JPN) (1995)	time		6.58	12.05	17.75	23.88	7 / 1			
	reaction time 0.160			5.47	5.70	PB	# of strides	12.05	11.83	0.22
	velocity		7.60	9.14	8.77	8.38	104.2	8.30	8.45	
Takita, Izumi (JPN) (2002)	time		6.70	12.19	17.86	23.99	5 / 2			
	reaction time 0.133			5.49	5.67	PB	# of strides	12.19	11.80	0.39
	velocity		7.46	9.11	8.82	8.16	104.7	8.20	8.47	
Miyatake, Abidarari (JPN) (2002)	time		6.71	12.26	18.04	24.23	8 / 3			
	reaction time 0.176			5.55	5.78	PB	# of strides	12.26	11.97	0.29
	velocity		7.45	9.01	8.65	8.08	96.0	8.16	8.35	

2020 Japanese U20 National Championships (Hiroshima, JPN)

FINAL

date 25-Oct-20 wind 1.7 m/s Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Idoabigeiru, Fuka (JPN) (2001)	time		6.67	12.21	17.96	24.15	3 / 1			
	reaction time 0.163			5.54	5.75		# of strides	12.21	11.94	0.27
	velocity		7.50	9.03	8.70	8.08	105.3	8.19	8.38	
Miyatake, Abidarari (JPN) (2002)	time		6.90	12.49	18.32	24.29	8 / 2			
	reaction time 0.164			5.59	5.83		# of strides	12.49	11.80	0.69
	velocity		7.25	8.94	8.58	8.38	101.0	8.01	8.47	
Kageyama, Sakiho (JPN) (2002)	time		6.70	12.31	18.07	24.40	5 / 3			
	reaction time 0.151			5.61	5.76		# of strides	12.31	12.09	0.22
	velocity									

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

	velocity	7.46	8.91	8.68	7.90	8.20	114.7	8.12	8.27	
Kawasaki, Natsumi (JPN) (2001)	time	6.89	12.58	18.51	24.71	24.71	1 / 4			
reaction time	0.221 interval		5.69	5.93	6.20		# of strides	12.58	12.13	0.45
	velocity	7.26	8.79	8.43	8.06	8.09	106.5	7.95	8.24	
Miura, Yuna (JPN) (2002)	time	6.79	12.47	18.43	24.89	24.89	2 / 5			
reaction time	0.188 interval		5.68	5.96	6.46		# of strides	12.47	12.42	0.05
	velocity	7.36	8.80	8.39	7.74	8.04	107.8	8.02	8.05	
Kato, Shiori (JPN) (2001)	time	6.85	12.66	18.77	25.20	25.20	4 / 6			
reaction time	0.187 interval		5.81	6.11	6.43		# of strides	12.66	12.54	0.12
	velocity	7.30	8.61	8.18	7.78	7.94	108.4	7.90	7.97	

2020 Japanese High School National Championships (Hiroshima, JPN)

A FINAL

FINAL

	date	25-Oct-20	wind	4.3 m/s	Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Ishikawa, Yu (JPN) (2002)	time		6.71	12.21	17.85	23.82	23.82	5 / 1				
	reaction time	0.181	interval		5.50	5.64	5.97		# of strides	12.21	11.61	0.60
			velocity		7.45	9.09	8.87	8.38	8.40	101.0	8.19	8.61
Adachi, Marin (JPN) (2003)	time		6.67	12.15	17.84	23.96	23.96	3 / 2				
	reaction time	0.164	interval		5.48	5.69	6.12		# of strides	12.15	11.81	0.34
			velocity		7.50	9.12	8.79	8.17	8.35	109.1	8.23	8.47
Aoyama, Hanae (JPN) (2002)	time		6.71	12.26	17.89	24.01	24.01	4 / 3				
	reaction time	0.180	interval		5.55	5.63	6.12		# of strides	12.26	11.75	0.51
			velocity		7.45	9.01	8.88	8.17	8.33	101.6	8.16	8.51
Harutake, Anki (JPN)	time		6.91	12.60	18.34	24.36	24.36	8 / 4				
	reaction time	0.186	interval		5.69	5.74	6.02		# of strides	12.60	11.76	0.84
			velocity		7.24	8.79	8.71	8.31	8.21	104.5	7.94	8.50
Toyama, Yuri (JPN) (2003)	time		6.74	12.43	18.22	24.37	24.37	1 / 5				
	reaction time	0.180	interval		5.69	5.79	6.15		# of strides	12.43	11.94	0.49
			velocity		7.42	8.79	8.64	8.13	8.21	108.9	8.05	8.38
Kurashige, Miu (JPN) (2004)	time		6.75	12.42	18.21	24.40	24.40	6 / 6				
	reaction time	0.165	interval		5.67	5.79	6.19		# of strides	12.42	11.98	0.44
			velocity		7.41	8.82	8.64	8.08	8.20	104.0	8.05	8.35

2020 Japanese National Championships (Niigata, JPN)

FINAL

		date	03-Oct-20	wind	-0.1 m/s	Hirokawa (2020) - research on athlete performance and technique- 2020 data book						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tsuruta, Remi (JPN) (1997)	time			6.46	11.74	17.22	23.17	23.17	7 / 1			Takahasi (2020)
	reaction time	0.154	interval		5.28	5.48	5.95	PB	# of strides	11.74	11.43	0.31
			velocity	7.74	9.47	9.12	8.40	8.63	98.5	8.52	8.75	
Kodama, Mei (JPN) (1999)	time			6.52	11.85	17.45	23.44	23.44	5 / 2			Takahasi (2020)
	reaction time	0.152	interval		5.33	5.60	5.99	PB	# of strides	11.85	11.59	0.26
			velocity	7.67	9.38	8.93	8.35	8.53	98.5	8.44	8.63	
Oishi, Sayaka (JPN) (1991)	time			6.57	11.88	17.54	23.78	23.78	6 / 3			Takahasi (2020)
	reaction time	0.153	interval		5.31	5.66	6.24	PB	# of strides	11.88	11.90	-0.02
			velocity	7.61	9.42	8.83	8.01	8.41	100.0	8.42	8.40	
Saito, Ami (JPN) (1999)	time			6.61	12.05	17.78	23.86	23.86	4 / 4			Takahasi (2020)
	reaction time	0.150	interval		5.44	5.73	6.08		# of strides	12.05	11.81	0.24
			velocity	7.56	9.19	8.73	8.22	8.38	103.2	8.30	8.47	
Aoyama, Seika (JPN) (1996)	time			6.74	12.29	18.07	24.28	24.28	2 / 6			Hirokawa (2020)
	reaction time	0.185	interval		5.55	5.78	6.21		# of strides	12.29	11.99	0.30
			velocity	7.42	9.01	8.65	8.05	8.24	104.0	8.14	8.34	
Takashima, Saki (JPN) (2002)		time		6.80	12.37	18.15	24.35	24.35	3 / 8			Hirokawa (2020)

reaction time	0.193	interval		5.57	5.78	6.20	# of strides	12.37	11.98	0.39
		velocity	7.35	8.98	8.65	8.06	104.0	8.08	8.35	

2020 Japanese Multi-Event National Championships (Nagano, JPN)

Heptathlon - Heat 3

date 26-Sep-20 wind 1.1 m/s Matsubayashi (2020) - research athlete performance technique- 2020 databook

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time	6.78	12.42	18.34	24.81	24.81	5 / 1			
reaction time	interval		5.64	5.92	6.47		# of strides	12.42	12.39	0.03
	velocity	7.37	8.87	8.45	7.73	8.06		8.05	8.07	
Hemphill, Megu (JPN) (1996)	time	6.84	12.54	18.58	25.27	25.27	7 / 3			
reaction time	interval		5.70	6.04	6.69		# of strides	12.54	12.73	-0.19
	velocity	7.31	8.77	8.28	7.47	7.91		7.97	7.86	
Odama, Karin (JPN) (1999)	time	6.95	12.83	19.04	25.88	25.88	3 / 5			
reaction time	interval		5.88	6.21	6.84		# of strides	12.83	13.05	-0.22
	velocity	7.19	8.50	8.05	7.31	7.73		7.79	7.66	

2020 All Japan Corporate Championships (Kumagaya, JPN)

FINAL

date 20-Sep-20 wind 0.6 m/s Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Oishi, Sayaka (JPN) (1991)	time	6.68	12.11	17.79	23.85	23.85	4 / 1			
reaction time	interval	0.179	5.43	5.68	6.06	PB	# of strides	12.11	11.74	0.37
	velocity	7.49	9.21	8.80	8.25	8.39		8.26	8.52	
Aoyama, Seika (JPN) (1996)	time	6.74	12.23	17.97	24.03	24.03	7 / 2			
reaction time	interval	0.170	5.49	5.74	6.06		# of strides	12.23	11.80	0.43
	velocity	7.42	9.11	8.71	8.25	8.32		8.18	8.47	
Takeishi, Konomi (JPN) (1991)	time	6.78	12.35	18.23	24.43	24.43	9 / 3			
reaction time	interval	0.146	5.57	5.88	6.20		# of strides	12.35	12.08	0.27
	velocity	7.37	8.98	8.50	8.06	8.19		8.10	8.28	
Kuboyama, Haruna (JPN) (1996)	time	6.69	12.27	18.13	24.44	24.44	8 / 4			
reaction time	interval	0.179	5.58	5.86	6.31		# of strides	12.27	12.17	0.10
	velocity	7.47	8.96	8.53	7.92	8.18		8.15	8.22	
Hosoya, Yumi (JPN) (1995)	time	6.69	12.23	18.13	24.47	24.47	5 / 5			
reaction time	interval	0.174	5.54	5.90	6.34		# of strides	12.23	12.24	-0.01
	velocity	7.47	9.03	8.47	7.89	8.17		8.18	8.17	
Hirosawa, Mae (JPN) (1997)	time	6.68	12.28	18.18	24.55	24.55	2 / 6			
reaction time	interval	0.163	5.60	5.90	6.37		# of strides	12.28	12.27	0.01
	velocity	7.49	8.93	8.47	7.85	8.15		8.14	8.15	

2020 World Athletics Trials (Fuji, JPN)

Race 2

date 06-Sep-20 wind -0.7 m/s Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tsuruta, Remi (JPN) (1997)	time	6.58	11.95	17.65	23.81	23.81	5 / 1			
reaction time	interval		5.37	5.70	6.16	PB	# of strides	11.95	11.86	0.09
	velocity	7.60	9.31	8.77	8.12	8.40		8.37	8.43	
Oishi, Sayaka (JPN) (1991)	time	6.56	11.92	17.67	23.91	23.91	4 / 2			
reaction time	interval		5.36	5.75	6.24		# of strides	11.92	11.99	-0.07
	velocity	7.62	9.33	8.70	8.01	8.36		8.39	8.34	
Yoshida, Sayumi (JPN) (1997)	time	6.65	12.04	17.80	24.03	24.03	6 / 3			
reaction time	interval		5.39	5.76	6.23	PB	# of strides	12.04	11.99	0.05
	velocity	7.52	9.28	8.68	8.03	8.32		8.31	8.34	
Ishikawa, Yu (JPN) (2002)	time	6.59	11.98	17.76	24.03	24.03	2 / 4			
reaction time	interval		5.39	5.78	6.27	PB	# of strides	11.98	12.05	-0.07
	velocity	7.59	9.28	8.65	7.97	8.32		8.35	8.30	
Aoyama, Seika (JPN) (1996)	time	6.73	12.22	18.01	24.16	24.16	7 / 5			

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

reaction time	interval	5.49	5.79	6.15		# of strides	12.22	11.94	0.28
	velocity	7.43	9.11	8.64	8.13	8.28	8.18	8.38	
Yuasa, Kanako (JPN) (1997)	time	6.56	12.07	17.93	24.21	24.21	3 / 6		
reaction time	interval		5.51	5.86	6.28		# of strides	12.07	12.14
	velocity	7.62	9.07	8.53	7.96	8.26		8.29	8.24
									-0.07

2020 Shimane High School Championships (Izumo, JPN)

A FINAL

FINAL	date	12-Jul-20	wind	2.5 m/s	Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Moriyama, Rin (JPN) (2002)	time			12.70	18.69	25.15	25.15	6 / 1			
	reaction time	interval			5.99	6.46		# of strides	12.70	12.45	0.25
	velocity		★	7.87	8.35	7.74	7.95	★	7.87	8.03	
Mochida, Kanon (JPN) (2003)	time			12.73	18.80	25.29	25.29	4 / 2			
	reaction time	interval			6.07	6.49		# of strides	12.73	12.56	0.17
	velocity			7.86	8.24	7.70	7.91		7.86	7.96	
Tsugumi, Kaneko (JPN)	time			12.90	19.18	25.92	25.92	5 / 3			
	reaction time	interval			6.28	6.74		# of strides	12.90	13.02	-0.12
	velocity			7.75	7.96	7.42	7.72		7.75	7.68	
Fujiwara, Tamaki (JPN)	time			13.13	19.45	26.24	26.24	8 / 4			
	reaction time	interval			6.32	6.79		# of strides	13.13	13.11	0.02
	velocity			7.62	7.91	7.36	7.62		7.62	7.63	
Yamao, Miku (JPN)	time			13.11	19.52	26.45	26.45	7 / 5			
	reaction time	interval			6.41	6.93		# of strides	13.11	13.34	-0.23
	velocity			7.63	7.80	7.22	7.56		7.63	7.50	
Matsumura, Ai (JPN)	time			13.23	19.64	26.55	26.55	9 / 6			
	reaction time	interval			6.41	6.91		# of strides	13.23	13.32	-0.09
	velocity			7.56	7.80	7.24	7.53		7.56	7.51	

C FINAL

FINAL

		date	12-Jul-20	wind	1.4 m/s	Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
内部 百笑		time		13.01	19.44	26.35	26.35	8 / 1			
	reaction time	interval			6.43	6.91		# of strides	13.01	13.34	-0.33
		velocity		7.69	7.78	7.24	7.59		7.69	7.50	
Sakakibara, Sora (JPN)		time		13.58	19.96	26.73	26.73	9 / 2			
	reaction time	interval			6.38	6.77		# of strides	13.58	13.15	0.43
		velocity		7.36	7.84	7.39	7.48		7.36	7.60	

2019 Japanese National U18/U20 Championships (Hiroshima, JPN)

U20 FINAL

20 FINAL

	date	20-Oct-19	wind	-0.8 m/s	Kijima (2019) - research on athlete performance and technique- 2019 data book						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Mimura, Naomi (JPN)		time	6.80	12.28	17.93	23.98	23.98	3 / 1			
	reaction time	0.245		5.48	5.65	6.05		# of strides	12.28	11.70	0.58
		velocity	7.35	9.12	8.85	8.26	8.34	101.0	8.14	8.55	
Kageyama, Sakiho (JPN) (2002)		time	6.59	12.15	17.95	24.20	24.20	5 / 2			
	reaction time	0.170		5.56	5.80	6.25		# of strides	12.15	12.05	0.10
		velocity	7.59	8.99	8.62	8.00	8.26	109.0	8.23	8.30	
Iki, Aiko (JPN) (2000)		time	6.78	12.39	18.27	24.50	24.50	4 / 3			
	reaction time	0.213		5.61	5.88	6.23		# of strides	12.39	12.11	0.28
		velocity	7.37	8.91	8.50	8.03	8.16	103.2	8.07	8.26	
Fuji, Mio (JPN)		time	6.69	12.30	18.21	24.52	24.52	6 / 4			
	reaction time	0.159		5.61	5.91	6.31		# of strides	12.30	12.22	0.08
		velocity	7.47	8.91	8.46	7.92	8.16	101.5	8.13	8.18	
Shuri, Ogi (JPN)		time	6.63	12.25	18.18	24.61	24.61	2 / 5			
	reaction time	0.173		5.62	5.93	6.43		# of strides	12.25	12.36	-0.11

	velocity	7.54	8.90	8.43	7.78	8.13	114.5	8.16	8.09	
Adachi, Yuha (JPN) (2002)	time	6.75	12.39	18.31	24.77	24.77	7 / 6			
reaction time	0.171	interval	5.64	5.92	6.46		# of strides	12.39	12.38	0.01
	velocity	7.41	8.87	8.45	7.74	8.07	105.0	8.07	8.08	
Kato, Shiori (JPN) (2001)	time	6.86	12.57	18.60	25.09	25.09	8 / 7			
reaction time	0.183	interval	5.71	6.03	6.49		# of strides	12.57	12.52	0.05
	velocity	7.29	8.76	8.29	7.70	7.97	105.0	7.96	7.99	
Moriyama, Nanae (JPN) (2001)	time	6.88	12.69	18.71	25.30	25.30	1 / 8			
reaction time	0.159	interval	5.81	6.02	6.59		# of strides	12.69	12.61	0.08
	velocity	7.27	8.61	8.31	7.59	7.91	102.0	7.88	7.93	

U18 FINAL

18 FINAL

	date	20-Oct-19	wind	-1.3 m/s	Kijima (2019) - research on athlete performance and technique- 2019 data book						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ishikawa, Yu (JPN) (2002)	time		6.65	12.10	17.97	24.25	24.25	6 / 1			
	reaction time	0.177	interval		5.45	5.87	6.28	# of strides	12.10	12.15	-0.05
			velocity	7.52	9.17	8.52	7.96	8.25	100.5	8.26	8.23
Takita, Shizumi (JPN) (2002)	time		6.61	12.14	18.01	24.29	24.29	3 / 2			
	reaction time	0.161	interval		5.53	5.87	6.28	# of strides	12.14	12.15	-0.01
			velocity	7.56	9.04	8.52	7.96	8.23	101.0	8.24	8.23
Niisaka, Takako (JPN) (2002)	time		6.64	12.14	17.98	24.36	24.36	4 / 3			
	reaction time	0.156	interval		5.50	5.84	6.38	# of strides	12.14	12.22	-0.08
			velocity	7.53	9.09	8.56	7.84	8.21	105.5	8.24	8.18
Uchiyama, Kyoka (JPN) (2003)	time		6.72	12.27	18.19	24.44	24.44	7 / 4			
	reaction time	0.175	interval		5.55	5.92	6.25	# of strides	12.27	12.17	0.10
			velocity	7.44	9.01	8.45	8.00	8.18	105.0	8.15	8.22
Aono, Misaki (JPN) (2003)	time		6.88	12.49	18.41	24.74	24.74	5 / 5			
	reaction time	0.174	interval		5.61	5.92	6.33	# of strides	12.49	12.25	0.24
			velocity	7.27	8.91	8.45	7.90	8.08	109.0	8.01	8.16
Adachi, Marin (JPN) (2003)	time		6.68	12.29	18.31	24.78	24.78	2 / 6			
	reaction time	0.151	interval		5.61	6.02	6.47	# of strides	12.29	12.49	-0.20
			velocity	7.49	8.91	8.31	7.73	8.07	115.5	8.14	8.01
Sato, Chihiro (JPN) (2002)	time		6.88	12.60	18.59	24.90	24.90	1 / 7			
	reaction time	0.182	interval		5.72	5.99	6.31	# of strides	12.60	12.30	0.30
			velocity	7.27	8.74	8.35	7.92	8.03	102.0	7.94	8.13
Miyatake, Abidarari (JPN) (2002)	time		6.88	12.59	18.68	25.09	25.09	6 / 8			
	reaction time	0.199	interval		5.71	6.09	6.41	# of strides	12.59	12.50	0.09
			velocity	7.27	8.76	8.21	7.80	7.97	103.0	7.94	8.00

2019 IAAF World Championships (Doha, QAT)

FINAL

NAME	date		02-Oct-19	wind	0.9 m/s	Takahaski (2019) - race analysis top 200m athletes- domestic and international						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Asher-Smith, Dina (GBR) (1995)	time			6.07	11.05	16.25	21.88	21.88	7 / 1			
	reaction time	0.138	interval		4.98	5.20	5.63	NR PB	# of strides	11.05	10.83	0.22
			velocity	8.24	10.04	9.62	8.88	9.14	92.7	9.05	9.23	
Brown, Brittany (USA) (1995)	time			6.28	11.25	16.49	22.22	22.22	6 / 2			
	reaction time	0.228	interval		4.97	5.24	5.73	PB	# of strides	11.25	10.97	0.28
			velocity	7.96	10.06	9.54	8.73	9.00	92.0	8.89	9.12	
Kambundji, Mujinga (SUI) (1992)	time			6.26	11.38	16.71	22.51	22.51	4 / 3			
	reaction time	0.150	interval		5.12	5.33	5.80		# of strides	11.38	11.13	0.25
			velocity	7.99	9.77	9.38	8.62	8.88	100.0	8.79	8.98	
Annelus, Angie (USA) (1997)		0.199		no information available				22.59	5 / 4		# of strides	93.0
Bryant, Dezerea (USA) (1993)		0.163		no information available				22.63	8 / 5		# of strides	99.7
Bass, Gina (GAM) (1995)		0.162		no information available				22.71	2 / 6		# of strides	99.2

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

Lalova-Collio, Ivet (BUL) (1984) 0.160 no information available
 Gaither, TyNia (BAH) (1993) 0.152 no information available

22.77 3 / 7
 22.90 9 / 8

of strides 96.0
 # of strides

2019 The Match - Europe v USA (Minsk, BLR)

FINAL

		date	10-Sep-19	wind	-0.1 m/s						European Athletics (2019) - race analysis		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Brown, Brittany (USA) (1995)	time				11.47		22.61	22.61	5 / 1				
	reaction time	0.217	interval				11.14		# of strides		11.47	11.14	0.33
	velocity			8.72	8.98	8.85			94.2		8.72	8.98	
Dobbin, Beth (GBR) (1994)	time				11.74		22.92	22.92	4 / 2				
	reaction time	0.146	interval				11.18		# of strides		11.74	11.18	0.56
	velocity			8.52	8.94	8.73			97.2		8.52	8.94	
Jefferson, Kyra (USA) (1994)	time				11.72		22.99	22.99	7 / 3				
	reaction time	0.192	interval				11.27		# of strides		11.72	11.27	0.45
	velocity			8.53	8.87	8.70			97.0		8.53	8.87	
Nelson, Ashleigh (GBR) (1991)	time				11.74		23.22	23.22	6 / 4				
	reaction time	0.171	interval				11.48		# of strides		11.74	11.48	0.26
	velocity			8.52	8.71	8.61			95.2		8.52	8.71	
Wessolly, Jessica-Bianca (GER)	time				11.80		23.24	23.24	2 / 5				
	reaction time	0.179	interval				11.44		# of strides		11.80	11.44	0.36
	velocity			8.47	8.74	8.61			99.5		8.47	8.74	
Tsimanouskaya, Krystsina (BLR)	time				11.65		23.31	23.31	8 / 6				
	reaction time	0.196	interval				11.66		# of strides		11.65	11.66	-0.01
	velocity			8.58	8.58	8.58			101.2		8.58	8.58	
Mitchell, A'Keyla (USA) (1995)	time				11.74		23.58	23.58	9 / 7				
	reaction time	0.192	interval				11.84		# of strides		11.74	11.84	-0.10
	velocity			8.52	8.45	8.48			98.0		8.52	8.45	
Davis, Courtne (USA) (1996)	time				12.02		23.92	23.92	3 / 8				
	reaction time	0.205	interval				11.90		# of strides		12.02	11.90	0.12
	velocity			8.32	8.40	8.36			92.5		8.32	8.40	

2019 Weltklasse (Zürich, SUI)

FINAL

		date	29-Aug-19	wind	-0.4 m/s						Omega Timing (2019) - diamond league race analysis		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Miller-Uibo, Shaunae (BAH) (19)	time			6.3	11.3	16.4	21.74	21.74	6 / 1				
	reaction time	0.143	interval		5.0	5.1	5.34	NR	# of strides		11.30	10.44	0.86
	velocity			7.94	10.00	9.80	9.36	9.20	90.7		8.85	9.58	
Asher-Smith, Dina (GBR) (1995)	time			6.2	11.1	16.4	22.08	22.08	4 / 2				
	reaction time	0.135	interval		4.9	5.3	5.68		# of strides		11.10	10.98	0.12
	velocity			8.06	10.20	9.43	8.80	9.06	95.2		9.01	9.11	
Thompson, Elaine (JAM) (1992)	time			6.3	11.3	16.6	22.44	22.44	5 / 3				
	reaction time	0.152	interval		5.0	5.3	5.84		# of strides		11.30	11.14	0.16
	velocity			7.94	10.00	9.43	8.56	8.91	98.0		8.85	8.98	
Schippers, Dafne (NED) (1992)	time			6.4	11.4	16.7	22.46	22.46	3 / 4				
	reaction time	0.162	interval		5.0	5.3	5.76		# of strides		11.40	11.06	0.34
	velocity			7.81	10.00	9.43	8.68	8.90	93.5		8.77	9.04	
Kambundji, Mujinga (SUI) (1992)	time			6.4	11.5	16.8	22.58	22.58	7 / 5				
	reaction time	0.164	interval		5.1	5.3	5.78		# of strides		11.50	11.08	0.42
	velocity			7.81	9.80	9.43	8.65	8.86	101.0		8.70	9.03	
Okagbare, Blessing (NGR) (1988)	time			6.5	11.5	16.8	22.62	22.62	8 / 6				
	reaction time	0.159	interval		5.0	5.3	5.82		# of strides		11.50	11.12	0.38
	velocity			7.69	10.00	9.43	8.59	8.84	94.0		8.70	8.99	

Emmanuel, Crystal (CAN) (1991)	time	6.3	11.5	17.0	22.87	22.87	2 / 7			
reaction time	0.155	interval	5.2	5.5	5.87		# of strides	11.50	11.37	0.13
		velocity	7.94	9.62	9.09	8.52	8.75	99.5	8.70	8.80
Samuel, Jamile (NED) (1992)	time	6.5	11.7	17.2	23.15	23.15	1 / 8			
reaction time	0.148	interval	5.2	5.5	5.95		# of strides	11.70	11.45	0.25
		velocity	7.69	9.62	9.09	8.40	8.64	102.0	8.55	8.73

2019 Müller Grand Prix (Birmingham, GBR)

FINAL

		date	18-Aug-19	wind	0.4 m/s		Omega Timing (2019) - diamond league race analysis					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miller-Uibo, Shaunae (BAH) (19)	time			6.4	11.5	16.7	22.24	22.24	6 / 1			
	reaction time	0.128	interval		5.1	5.2	5.54		# of strides	11.50	10.74	0.76
			velocity	7.81	9.80	9.62	9.03	8.99	91.2	8.70	9.31	
Asher-Smith, Dina (GBR) (1995)	time			6.3	11.4	16.8	22.36	22.36	5 / 2			
	reaction time	0.147	interval		5.1	5.4	5.56		# of strides	11.40	10.96	0.44
			velocity	7.94	9.80	9.26	8.99	8.94	96.2	8.77	9.12	
Fraser-Pryce, Shelly-Ann (JAM)	time			6.4	11.5	16.8	22.50	22.50	4 / 3			
	reaction time	0.164	interval		5.1	5.3	5.70		# of strides	11.50	11.00	0.50
			velocity	7.81	9.80	9.43	8.77	8.89	101.5	8.70	9.09	
Schippers, Dafne (NED) (1992)	time			6.4	11.5	16.9	22.81	22.81	7 / 4			
	reaction time	0.173	interval		5.1	5.4	5.91		# of strides	11.50	11.31	0.19
			velocity	7.81	9.80	9.26	8.46	8.77	94.5	8.70	8.84	
Okagbare, Blessing (NGR) (1988)	time			6.4	11.6	17.0	22.83	22.83	8 / 5			
	reaction time	0.178	interval		5.2	5.4	5.83		# of strides	11.60	11.23	0.37
			velocity	7.81	9.62	9.26	8.58	8.76	92.7	8.62	8.90	
Bryant, Dezerea (USA) (1993)	time			6.4	11.5	17.0	22.84	22.84	2 / 6			
	reaction time	0.165	interval		5.1	5.5	5.84		# of strides	11.50	11.34	0.16
			velocity	7.81	9.80	9.09	8.56	8.76	104.0	8.70	8.82	
Chadwick, Payton (USA) (1995)	time			6.8	12.2	17.8	23.71	23.71	1 / 7			
	reaction time	0.262	interval		5.4	5.6	5.91		# of strides	12.20	11.51	0.69
			velocity	7.35	9.26	8.93	8.46	8.44		8.20	8.69	
Ta Lou, Marie-Josée (CIV) (1988)	time			6.4	11.6	17.1	24.18	24.18	3 / 8			
	reaction time	0.149	interval		5.2	5.5	7.08		# of strides	11.60	12.58	-0.98
			velocity	7.81	9.62	9.09	7.06	8.27		8.62	7.95	

2019 Japanese National High School Championships (Okinawa, JPN)

FINAL

		date	07-Aug-19	wind	1.3 m/s	Kota (2019) - 72nd high school champs: JAF scientific committee - biomechanics data						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ishido, Hina (JPN) (2002)	time			6.45	11.76	17.39	23.67	23.67	6 / 1			
	reaction time	interval			5.31	5.63	6.28	PB	# of strides	11.76	11.91	-0.15
		velocity		7.75	9.42	8.88	7.96	8.45		8.50	8.40	
Takashima, Saki (JPN) (2002)	time			6.69	12.14	17.73	23.76	23.76	3 / 2			
	reaction time	interval			5.45	5.59	6.03	PB	# of strides	12.14	11.62	0.52
		velocity		7.47	9.17	8.94	8.29	8.42		8.24	8.61	
Idoabigeiru, Fuka (JPN) (2001)	time			6.59	11.98	17.61	23.79	23.79	5 / 3			
	reaction time	interval			5.39	5.63	6.18	PB	# of strides	11.98	11.81	0.17
		velocity		7.59	9.28	8.88	8.09	8.41		8.35	8.47	
Kageyama, Sakiho (JPN) (2002)	time			6.65	12.17	17.76	23.82	23.82	4 / 4			
	reaction time	interval			5.52	5.59	6.06	PB	# of strides	12.17	11.65	0.52
		velocity		7.52	9.06	8.94	8.25	8.40		8.22	8.58	
Miura, Yuna (JPN) (2002)	time			6.59	12.08	17.79	24.08	24.08	7 / 5			
	reaction time	interval			5.49	5.71	6.29	PB	# of strides	12.08	12.00	0.08
		velocity		7.59	9.11	8.76	7.95	8.31		8.28	8.33	

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

Matsunaga, Tomoko (JPN) (200)	time	6.67	12.23	17.94	24.11	24.11	8 / 6			
	reaction time			5.56	5.71	6.17	# of strides	12.23	11.88	0.35
	velocity	7.50	8.99	8.76	8.10	8.30		8.18	8.42	
Suzuki, Kazuha (JPN) (2001)	time	6.66	12.17	17.95	24.31	24.31	2 / 7			
	reaction time			5.51	5.78	6.36	# of strides	12.17	12.14	0.03
	velocity	7.51	9.07	8.65	7.86	8.23		8.22	8.24	
Oshiro, Akari (JPN) (2001)	time	6.67	12.20	17.93	24.32	24.32	1 / 8			
	reaction time			5.53	5.73	6.39	# of strides	12.20	12.12	0.08
	velocity	7.50	9.04	8.73	7.82	8.22		8.20	8.25	

2019 Chinese World Championships Trials (Shenyang, CHN)

FINAL

date 03-Aug-19		wind 0.2 m/s	Jiang (2019) - data analysis women's sprint finals the world championships trials							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Liang Xiaojing (CHN) (1997)	time	6.43	11.66	17.12	22.93	22.93	8 / 1			
	reaction time			5.23	5.46	5.81	PB	11.66	11.27	0.39
	velocity	7.78	9.56	9.16	8.61	8.72	# of strides	8.58	8.87	
Wei Yongli (CHN) (1991)	time	6.49	11.70	17.31	23.46	23.46	3 / 2			
	reaction time			5.21	5.61	6.15	# of strides	11.70	11.76	-0.06
	velocity	7.70	9.60	8.91	8.13	8.53		8.55	8.50	
Huang Guifen (CHN) (1997)	time	6.58	11.84	17.47	23.54	23.54	5 / 3			
	reaction time			5.26	5.63	6.07	# of strides	11.84	11.70	0.14
	velocity	7.60	9.51	8.88	8.24	8.50		8.45	8.55	
Shi Yarong (CHN) (1996)	time	6.57	11.90	17.64	23.84	23.84	7 / 4			
	reaction time			5.33	5.74	6.20	PB	11.90	11.94	-0.04
	velocity	7.61	9.38	8.71	8.06	8.39	# of strides	8.40	8.38	
Kong Lingwei (CHN) (1995)	time	6.57	11.83	17.54	23.85	23.85	4 / 5			
	reaction time			5.26	5.71	6.31	# of strides	11.83	12.02	-0.19
	velocity	7.61	9.51	8.76	7.92	8.39		8.45	8.32	
Zhou Yanbing (CHN) (1996)	time	6.56	12.07	17.95	24.18	24.18	6 / 6			
	reaction time			5.51	5.88	6.23	# of strides	12.07	12.11	-0.04
	velocity	7.62	9.07	8.50	8.03	8.27		8.29	8.26	
Cai Yanting (CHN) (2000)	time	6.78	12.14	17.97	24.36	24.36	1 / 7			
	reaction time			5.36	5.83	6.39	# of strides	12.14	12.22	-0.08
	velocity	7.37	9.33	8.58	7.82	8.21		8.24	8.18	
Qu Haixia (CHN) (1995)	time	6.71	12.10	18.08	24.63	24.63	2 / 8			
	reaction time			5.39	5.98	6.55	# of strides	12.10	12.53	-0.43
	velocity	7.45	9.28	8.36	7.63	8.12		8.26	7.98	

2019 Herculis Meeting International d'Athlétisme (Monaco, MON)

FINAL

date 12-Jul-19		wind 0.1 m/s	Omega Timing (2019) - diamond league race analysis							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miller-Uibo, Shaunae (BAH) (19)	time	6.3	11.6	16.6	22.09	22.09	6 / 1			
	reaction time 0.195			5.3	5.49		# of strides	11.60	10.49	1.11
	velocity	7.94	9.43	10.00	9.11	9.05	91.2	8.62	9.53	
Thompson, Elaine (JAM) (1992)	time	6.3	11.4	16.7	22.44	22.44	5 / 2			
	reaction time 0.156			5.1	5.74		# of strides	11.40	11.04	0.36
	velocity	7.94	9.80	9.43	8.71	8.91	98.5	8.77	9.06	
Schippers, Dafne (NED) (1992)	time	6.3	11.4	16.7	22.45	22.45	7 / 3			
	reaction time 0.149			5.1	5.75		# of strides	11.40	11.05	0.35
	velocity	7.94	9.80	9.43	8.70	8.91	93.5	8.77	9.05	
Daniels, Teahna (USA) (1997)	time	6.3	11.5	16.9	22.59	22.59	8 / 4			
	reaction time 0.132			5.2	5.69		# of strides	11.50	11.09	0.41
	velocity									

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

	velocity	7.94	9.62	9.26	8.79	8.85	92.7	8.70	9.02	
Prandini, Jenna (USA) (1992)	time	6.5	11.5	16.9	22.66	22.66	3 / 5			
reaction time	0.197 interval		5.0	5.4	5.76		# of strides	11.50	11.16	0.34
	velocity	7.69	10.00	9.26	8.68	8.83	97.7	8.70	8.96	
Ta Lou, Marie-Josée (CIV) (1988)	time	6.4	11.4	16.9	22.66	22.66	4 / 6			
reaction time	0.182 interval		5.0	5.5	5.76		# of strides	11.40	11.26	0.14
	velocity	7.81	10.00	9.09	8.68	8.83	100.2	8.77	8.88	
Thomas, Gabrielle (USA) (1996)	time	6.6	11.8	17.2	22.99	22.99	2 / 7			
reaction time	0.183 interval		5.2	5.4	5.79		# of strides	11.80	11.19	0.61
	velocity	7.58	9.62	9.26	8.64	8.70	90.2	8.47	8.94	

2019 Athletissima (Lausanne, SUI)

FINAL

INAL	date	05-Jul-19	wind	1.0 m/s	Omega Timing (2019) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thomas, Gabrielle (USA) (1996)	time		6.4	11.6	17.0	22.69	22.69	6 / 1			
	reaction time	0.144	interval		5.2	5.4	5.69	# of strides	11.60	11.09	0.51
			velocity	7.81	9.62	9.26	8.79	8.81	90.5	8.62	9.02
Williams, Jodie (GBR) (1993)	time		6.4	11.5	16.9	22.75	22.75	4 / 2			
	reaction time	0.142	interval		5.1	5.4	5.85	# of strides	11.50	11.25	0.25
			velocity	7.81	9.80	9.26	8.55	8.79	95.2	8.70	8.89
Strachan, Anthonique (BAH) (1991)	time		6.5	11.7	17.1	22.81	22.81	3 / 3			
	reaction time	0.147	interval		5.2	5.4	5.71	# of strides	11.70	11.11	0.59
			velocity	7.69	9.62	9.26	8.76	8.77	86.7	8.55	9.00
Nelson, Ashleigh (GBR) (1991)	time		6.5	11.6	17.1	22.85	22.85	2 / 4			
	reaction time	0.154	interval		5.1	5.5	5.75	PB # of strides	11.60	11.25	0.35
			velocity	7.69	9.80	9.09	8.70	8.75	94.7	8.62	8.89
Vaičule, Gunta (LAT) (1995)	time		6.7	11.9	17.3	23.08	23.08	8 / 5			
	reaction time	0.192	interval		5.2	5.4	5.78	# of strides	11.90	11.18	0.72
			velocity	7.46	9.62	9.26	8.65	8.67		8.40	8.94
Atcho, Sarah (SUI) (1995)	time		6.5	11.8	17.3	23.41	23.41	7 / 6			
	reaction time	0.139	interval		5.3	5.5	6.11	# of strides	11.80	11.61	0.19
			velocity	7.69	9.43	9.09	8.18	8.54		8.47	8.61
Safronova, Olga (KAZ) (1991)	time		6.5	11.8	17.3	23.53	23.53	5 / 7			
	reaction time	0.143	interval		5.3	5.5	6.23	# of strides	11.80	11.73	0.07
			velocity	7.69	9.43	9.09	8.03	8.50	96.5	8.47	8.53
Wei Yongli (CHN) (1991)	time		6.6	12.0	17.6	23.68	23.68	1 / 8			
	reaction time	0.172	interval		5.4	5.6	6.08	# of strides	12.00	11.68	0.32
			velocity	7.58	9.26	8.93	8.22	8.45	97.0	8.33	8.56

2019 Japanese National Championships (Fukuoka, JPN)

FINAL

	date	30-Jun-19	wind	-0.4 m/s	Yamanaka (2019) - research on athlete performance and technique- 2019 data book						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kodama, Mei (JPN) (1999)	time		6.55	11.93	17.60	23.80	23.80	7 / 1			
reaction time	0.158 interval			5.38	5.67	6.20	PB	# of strides	11.93	11.87	0.06
	velocity		7.63	9.29	8.82	8.06	8.40	101.0	8.38	8.42	
Kageyama, Sakiho (JPN) (2002)	time		6.56	12.12	17.84	23.90	23.90	4 / 2			
reaction time	0.162 interval			5.56	5.72	6.06	PB	# of strides	12.12	11.78	0.34
	velocity		7.62	8.99	8.74	8.25	8.37	108.0	8.25	8.49	
Saito, Ami (JPN) (1999)	time		6.56	12.02	17.78	24.04	24.04	6 / 3			
reaction time	0.116 interval			5.46	5.76	6.26		# of strides	12.02	12.02	0.00
	velocity		7.62	9.16	8.68	7.99	8.32	105.7	8.32	8.32	
Idoabigeiru, Fuka (JPN) (2001)	time		6.59	12.06	17.83	24.05	24.06	5 / 4			

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

reaction time	0.148	interval	5.47	5.77	6.22	PB	# of strides	12.06	11.99	0.07
		velocity	7.59	9.14	8.67	8.04	8.31	97.5	8.29	8.34
Wada, Maki (JPN) (1986)	time	6.49	12.03	17.94	24.43	24.43	2 / 5			
reaction time	0.155	interval	5.54	5.91	6.49		# of strides	12.03	12.40	-0.37
		velocity	7.70	9.03	8.46	7.70	8.19	105.0	8.31	8.06
Iki, Aiko (JPN) (2000)	time	6.76	12.39	18.22	24.49	24.49	8 / 6			
reaction time	0.163	interval	5.63	5.83	6.27		# of strides	12.39	12.10	0.29
		velocity	7.40	8.88	8.58	7.97	8.17		8.07	8.26
Miyake, Naoka (JPN) (1991)	time	6.68	12.27	18.15	24.54	24.54	3 / 7			
reaction time	0.150	interval	5.59	5.88	6.39		# of strides	12.27	12.27	0.00
		velocity	7.49	8.94	8.50	7.82	8.15	101.5	8.15	8.15
Mimura, Kanami (JPN) (2001)	time	6.81	12.39	18.20	24.56	24.56	9 / 8			
reaction time	0.211	interval	5.58	5.81	6.36		# of strides	12.39	12.17	0.22
		velocity	7.34	8.96	8.61	7.86	8.14		8.07	8.22

2019 Japanese National Multi-Event Championships (Nagano, JPN)

Heptathlon - Heat 3

date 08-Jun-19 wind 3.2 m/s Matsubayashi (2019) - research on athlete performance and technique- 2019 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time	6.81	12.44	18.38	24.81	24.81	6 / 2			
reaction time	interval		5.63	5.94	6.43		# of strides	12.44	12.37	0.07
	velocity	7.34	8.88	8.42	7.78	8.06		8.04	8.08	
Utsunomiya, Eri (JPN) (1993)	time	6.77	12.46	18.46	24.88	24.88	5 / 3			
reaction time	interval		5.69	6.00	6.42		# of strides	12.46	12.42	0.04
	velocity	7.39	8.79	8.33	7.79	8.04		8.03	8.05	

2019 Shimane High School Championships (Izumo, JPN)

FINAL

date 26-May-19 wind 3.2 m/s Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Oshita, Airi (JPN)	time	13.01	19.19	25.69	25.69	25.69	5 / 1			
reaction time	interval		6.18	6.50			# of strides	13.01	12.68	0.33
	velocity	7.69	8.09	7.69	7.79			7.69	7.89	
Moriyama, Rin (JPN) (2002)	time	13.26	19.39	25.88	25.88	25.88	7 / 2			
reaction time	interval		6.13	6.49			# of strides	13.26	12.62	0.64
	velocity	7.54	8.16	7.70	7.73			7.54	7.92	
Mochida, Kanon (JPN) (2003)	time	13.40	19.60	26.08	26.08	26.08	6 / 3			
reaction time	interval		6.20	6.48			# of strides	13.40	12.68	0.72
	velocity	7.46	8.06	7.72	7.67			7.46	7.89	
Nagase, Nozomi (JPN)	time	13.41	19.60	26.09	26.09	26.09	4 / 4			
reaction time	interval		6.19	6.49			# of strides	13.41	12.68	0.73
	velocity	7.46	8.08	7.70	7.67			7.46	7.89	
Matsumura, Ai (JPN)	time	13.47	19.80	26.64	26.64	26.64	8 / 5			
reaction time	interval		6.33	6.84			# of strides	13.47	13.17	0.30
	velocity	7.42	7.90	7.31	7.51			7.42	7.59	
Hino, Ayaka (JPN)	time	13.59	19.98	26.81	26.81	26.81	2 / 6			
reaction time	interval		6.39	6.83			# of strides	13.59	13.22	0.37
	velocity	7.36	7.82	7.32	7.46			7.36	7.56	
Fujiwara, Tamaki (JPN)	time	13.67	20.15	27.11	27.11	27.11	3 / 7			
reaction time	interval		6.48	6.96			# of strides	13.67	13.44	0.23
	velocity	7.32	7.72	7.18	7.38			7.32	7.44	
Yamao, Miku (JPN)	time	13.72	20.27	27.24	27.24	27.24	9 / 8			
reaction time	interval		6.55	6.97			# of strides	13.72	13.52	0.20
	velocity	7.29	7.63	7.17	7.34			7.29	7.40	

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

date 19-May-19 wind 0.5 m/s Hirokawa (2019) - research on athlete performance and technique- 2019 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lalova-Collio, Ivet (BUL) (1984)	time	6.32	11.38	16.72	22.55	22.55	8 / 1			
	reaction time	0.165	interval	5.06	5.83		# of strides	11.38	11.17	0.21
	velocity	7.91	9.88	9.36	8.58	8.87	97.2	8.79	8.95	
Jefferson, Kyra (USA) (1994)	time	6.43	11.58	17.06	23.00	23.00	6 / 2			
	reaction time	0.176	interval	5.15	5.94		# of strides	11.58	11.42	0.16
	velocity	7.78	9.71	9.12	8.42	8.70	96.0	8.64	8.76	
Safronova, Olga (KAZ) (1991)	time	6.32	11.45	16.88	23.08	23.08	4 / 3			
	reaction time	0.162	interval	5.13	6.20		# of strides	11.45	11.63	-0.18
	velocity	7.91	9.75	9.21	8.06	8.67	95.7	8.73	8.60	
Gardner, English (USA) (1992)	time	6.26	11.43	17.05	23.29	23.29	5 / 4			
	reaction time	0.151	interval	5.17	6.24		# of strides	11.43	11.86	-0.43
	velocity	7.99	9.67	8.90	8.01	8.59	94.0	8.75	8.43	
Owusu-Afriyie, Nana (AUS) (1991)	time	6.42	11.64	17.22	23.34	23.34	9 / 5			
	reaction time	0.170	interval	5.22	6.12		# of strides	11.64	11.70	-0.06
	velocity	7.79	9.58	8.96	8.17	8.57	97.7	8.59	8.55	
Wada, Maki (JPN) (1986)	time	6.34	11.73	17.52	20.99	23.70	7 / 6			
	reaction time	0.129	interval	5.39	3.47		# of strides	11.73	9.26	2.47
	velocity	7.89	9.28	8.64	14.41	8.44	101.5	8.53	10.80	
Miyake, Naoka (JPN) (1991)	time	6.67	12.20	18.02	24.31	24.31	2 / 7			
	reaction time	0.173	interval	5.53	6.29		# of strides	12.20	12.11	0.09
	velocity	7.50	9.04	8.59	7.95	8.23	100.7	8.20	8.26	
Yamada, Miki (JPN) (1999)	time	6.72	12.19	18.10	24.39	24.39	3 / 8			
	reaction time	0.179	interval	5.47	6.29		# of strides	12.19	12.20	-0.01
	velocity	7.44	9.14	8.46	7.95	8.20	105.7	8.20	8.20	

2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)**A FINAL**

date 03-May-19 wind -1.2 m/s Kobayashi (2019) - research on athlete performance and technique- 2019 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ichikawa, Kana (JPN) (1991)	time	6.70	12.19	17.97	24.23	24.23	5 / 3			
	reaction time		interval	5.49	6.26		# of strides	12.19	12.04	0.15
	velocity	7.46	9.11	8.65	7.99	8.25	98.5	8.20	8.31	
Miyake, Naoka (JPN) (1991)	time	6.67	12.25	18.08	24.30	24.30	2 / 4			
	reaction time		interval	5.58	6.22		# of strides	12.25	12.05	0.20
	velocity	7.50	8.96	8.58	8.04	8.23	102.7	8.16	8.30	
Yamada, Miki (JPN) (1999)	time	6.68	12.17	17.99	24.37	24.37	3 / 5			
	reaction time		interval	5.49	6.38		# of strides	12.17	12.20	-0.03
	velocity	7.49	9.11	8.59	7.84	8.21	104.0	8.22	8.20	
Hirosawa, Mae (JPN) (1997)	time	6.70	12.34	18.21	24.39	24.39	9 / 6			
	reaction time		interval	5.64	6.18		# of strides	12.34	12.05	0.29
	velocity	7.46	8.87	8.52	8.09	8.20	99.5	8.10	8.30	

B FINAL

date 03-May-19 wind -0.3 m/s Kobayashi (2019) - research on athlete performance and technique- 2019 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kageyama, Sakiho (JPN) (2002)	time	6.62	12.15	17.91	24.06	24.06	6 / 1			
	reaction time		interval	5.53	6.15		# of strides	12.15	11.91	0.24
	velocity	7.55	9.04	8.68	8.13	8.31	111.0	8.23	8.40	
Yuasa, Kanako (JPN) (1997)	time	6.58	12.10	17.89	24.10	24.10	5 / 2			
	reaction time		interval	5.52	6.21		# of strides	12.10	12.00	0.10
	velocity	7.60	9.06	8.64	8.05	8.30	105.5	8.26	8.33	
Saito, Ami (JPN) (1999)	time	6.71	12.20	17.95	24.21	24.21	7 / 3			

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

reaction time	interval	5.49	5.75	6.26		# of strides	12.20	12.01	0.19
	velocity	7.45	9.11	8.70	7.99	8.26	105.7	8.20	8.33
Aoyama, Seika (JPN) (1996)	time	6.85	12.44	18.21	24.42	24.42	3 / 5		
reaction time	interval		5.59	5.77	6.21		# of strides	12.44	11.98
	velocity	7.30	8.94	8.67	8.05	8.19	105.2	8.04	8.35

C FINAL

date 03-May-19 wind -0.4 m/s Kobayashi (2019) - research on athlete performance and technique- 2019 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yanagiya, Tomomi (JPN) (1999)	time	6.72	12.20	17.93	24.17	24.17	8 / 1			
reaction time	interval		5.48	5.73	6.24		# of strides	12.20	11.97	0.23
	velocity	7.44	9.12	8.73	8.01	8.27	107.2	8.20	8.35	

2019 Asian Athletics Championships (Doha, QAT)**Heat 3**

date 23-Apr-19 wind 2.3 m/s Takahaski (2019) - race analysis top 200m athletes- domestic and international

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miyake, Naoka (JPN) (1991)	time	6.68	12.14	17.98	24.36	24.36	9 / 6			
reaction time 0.170	interval		5.46	5.84	6.38		# of strides	12.14	12.22	-0.08
	velocity	7.49	9.16	8.56	7.84	8.21		8.24	8.18	

Heat 1

date 23-Apr-19 wind 1.0 m/s Takahaski (2019) - race analysis top 200m athletes- domestic and international

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamada, Miku (JPN) (1999)	time	6.59	12.00	17.82	24.09	24.09	2 / 5			
reaction time 0.152	interval		5.41	5.82	6.27		# of strides	12.00	12.09	-0.09
	velocity	7.59	9.24	8.59	7.97	8.30		8.33	8.27	

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

date 21-Oct-18 wind 1.5 m/s Ryutaro (2018) - research on athlete performance and technique- 2018 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Aono, Shuri (JPN) (2000)	time	6.69	12.05	17.63	23.69	23.69	4 / 1			
reaction time 0.160	interval		5.36	5.58	6.06		# of strides	12.05	11.64	0.41
	velocity	7.47	9.33	8.96	8.25	8.44		8.30	8.59	
Mimura, Kanami (JPN) (2001)	time	6.76	12.26	17.95	24.10	24.10	5 / 2			
reaction time 0.205	interval		5.50	5.69	6.15		# of strides	12.26	11.84	0.42
	velocity	7.40	9.09	8.79	8.13	8.30		8.16	8.45	
Usui, Ayane (JPN) (2000)	time	6.72	12.34	18.10	24.22	24.22	8 / 3			
reaction time 0.163	interval		5.62	5.76	6.12		# of strides	12.34	11.88	0.46
	velocity	7.44	8.90	8.68	8.17	8.26		8.10	8.42	
Iki, Aiko (JPN) (2000)	time	6.75	12.34	18.06	24.23	24.23	3 / 4			
reaction time 0.194	interval		5.59	5.72	6.17		# of strides	12.34	11.89	0.45
	velocity	7.41	8.94	8.74	8.10	8.25		8.10	8.41	
Yanagiya, Tomomi (JPN) (1999)	time	6.73	12.17	17.92	24.25	24.25	7 / 5			
reaction time 0.169	interval		5.44	5.75	6.33		# of strides	12.17	12.08	0.09
	velocity	7.43	9.19	8.70	7.90	8.25		8.22	8.28	
Saito, Ami (JPN) (1999)	time	6.72	12.26	18.10	24.56	24.56	6 / 6			
reaction time 0.178	interval		5.54	5.84	6.46		# of strides	12.26	12.30	-0.04
	velocity	7.44	9.03	8.56	7.74	8.14		8.16	8.13	
Kodama, Mei (JPN) (1999)	time	6.82	12.52	18.42	24.79	24.79	2 / 7			
reaction time 0.171	interval		5.70	5.90	6.37		# of strides	12.52	12.27	0.25
	velocity	7.33	8.77	8.47	7.85	8.07		7.99	8.15	
Yamada, Miku (JPN) (1999)	time	6.98	12.70	18.62	25.08	25.08	1 / 8			
reaction time 0.192	interval		5.72	5.92	6.46		# of strides	12.70	12.38	0.32
	velocity	7.16	8.74	8.45	7.74	7.97		7.87	8.08	

2018 Japanese National Youth (U18) Championships (Nagano, JPN)**FINAL**

date 21-Oct-18 wind 1.5 m/s Ryutaro (2018) - research on athlete performance and technique- 2018 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kageyama, Sakiho (JPN) (2002)	time	6.64	12.18	18.02	24.32	24.32	6 / 1			

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

reaction time	0.198	interval	5.54	5.84	6.30	# of strides	12.18	12.14	0.04
velocity	7.53	9.03	8.56	7.94	8.22		8.21	8.24	
Aoyama, Hanae (JPN) (2002)	time	6.78	12.30	18.11	24.56	24.56	3 / 2		
reaction time	0.175	interval	5.52	5.81	6.45	# of strides	12.30	12.26	0.04
velocity	7.37	9.06	8.61	7.75	8.14		8.13	8.16	
Taji, Haruka (JPN) (2002)	time	6.87	12.41	18.23	24.58	24.58	5 / 3		
reaction time	0.179	interval	5.54	5.82	6.35	# of strides	12.41	12.17	0.24
velocity	7.28	9.03	8.59	7.87	8.14		8.06	8.22	
Miura, Yuna (JPN) (2002)	time	6.80	12.35	18.22	24.58	24.58	4 / 4		
reaction time	0.172	interval	5.55	5.87	6.36	# of strides	12.35	12.23	0.12
velocity	7.35	9.01	8.52	7.86	8.14		8.10	8.18	
Murakami, Hikaru (JPN) (2002)	time	7.01	12.56	18.32	24.59	24.59	8 / 5		
reaction time	0.252	interval	5.55	5.76	6.27	# of strides	12.56	12.03	0.53
velocity	7.13	9.01	8.68	7.97	8.13		7.96	8.31	
Matsunaga, Tomoko (JPN) (200)	time	6.84	12.49	18.42	24.81	24.81	1 / 6		
reaction time	0.157	interval	5.65	5.93	6.39	# of strides	12.49	12.32	0.17
velocity	7.31	8.85	8.43	7.82	8.06		8.01	8.12	
Muraki, Mirei (JPN) (2001)	time	6.87	12.56	18.50	24.90	24.90	7 / 7		
reaction time	0.169	interval	5.69	5.94	6.40	# of strides	12.56	12.34	0.22
velocity	7.28	8.79	8.42	7.81	8.03		7.96	8.10	
Oshiro, Juri (JPN) (2001)	time	6.79	12.45	18.41	24.94	24.94	2 / 8		
reaction time	0.168	interval	5.66	5.96	6.53	# of strides	12.45	12.49	-0.04
velocity	7.36	8.83	8.39	7.66	8.02		8.03	8.01	

2018 Japanese Corporate Championships (Osaka, JPN)

FINAL

date 22-Sep-18		wind 0.2 m/s	Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Wada, Maki (JPN) (1986)	time	6.43	11.86	17.61	23.87	23.87	7 / 1			
reaction time	0.148	interval	5.43	5.75	6.26	# of strides		11.86	12.01	-0.15
velocity	7.78	9.21	8.70	7.99	8.38			8.43	8.33	
Miyake, Naoka (JPN) (1991)	time	6.61	12.17	17.97	24.19	24.19	2 / 2			
reaction time	0.181	interval	5.56	5.80	6.22	# of strides		12.17	12.02	0.15
velocity	7.56	8.99	8.62	8.04	8.27			8.22	8.32	
Fujisawa, Sayaka (JPN) (1991)	time	6.69	12.14	17.93	24.27	24.27	9 / 3			
reaction time	0.160	interval	5.45	5.79	6.34	# of strides		12.14	12.13	0.01
velocity	7.47	9.17	8.64	7.89	8.24			8.24	8.24	
Nagano, Mariko (JPN) (1994)	time	6.56	12.07	17.94	24.38	24.38	6 / 4			
reaction time	0.166	interval	5.51	5.87	6.44	# of strides		12.07	12.31	-0.24
velocity	7.62	9.07	8.52	7.76	8.20			8.29	8.12	
Nagura, Chiaki (JPN) (1993)	time	6.64	12.17	18.04	24.38	24.38	8 / 5			
reaction time	0.146	interval	5.53	5.87	6.34	# of strides		12.17	12.21	-0.04
velocity	7.53	9.04	8.52	7.89	8.20			8.22	8.19	
Kashiyama, Kaede (JPN) (1994)	time	6.69	12.26	18.10	24.44	24.44	3 / 6			
reaction time	0.153	interval	5.57	5.84	6.34	# of strides		12.26	12.18	0.08
velocity	7.47	8.98	8.56	7.89	8.18			8.16	8.21	
Shimada, Yukina (JPN) (1998)	time	6.65	12.35	18.29	24.64	24.64	4 / 7			
reaction time	0.188	interval	5.70	5.94	6.35	# of strides		12.35	12.29	0.06
velocity	7.52	8.77	8.42	7.87	8.12			8.10	8.14	
Shimura, Hitomi (JPN) (1990)	time	6.75	12.44	18.46	25.06	25.06	5 / 8			
reaction time	0.199	interval	5.69	6.02	6.60	# of strides		12.44	12.62	-0.18
velocity	7.41	8.79	8.31	7.58	7.98			8.04	7.92	

2018 Asian Games (Jakarta, INA)**FINAL**

date 29-Aug-18

wind -0.7 m/s

Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Odong, Ofonime (BRN) (1997)	time		6.48	11.64	17.07	22.96	22.96	6 / 1			
	reaction time	0.166		5.16	5.43	5.89		# of strides	11.64	11.32	0.32
	velocity		7.72	9.69	9.21	8.49	8.71	98.2	8.59	8.83	
Chand, Dutee (IND) (1996)	time		6.38	11.66	17.18	23.20	23.20	3 / 2			
	reaction time	0.149		5.28	5.52	6.02		# of strides	11.66	11.54	0.12
	velocity		7.84	9.47	9.06	8.31	8.62	106.0	8.58	8.67	
Wei Yongli (CHN) (1991)	time		6.37	11.64	17.20	23.27	23.27	4 / 3			
	reaction time	0.158		5.27	5.56	6.07		# of strides	11.64	11.63	0.01
	velocity		7.85	9.49	8.99	8.24	8.59	97.5	8.59	8.60	
Sharipova, Nigina (UZB) (1995)	time		6.57	11.85	17.32	23.32	23.32	7 / 4			
	reaction time	0.161		5.28	5.47	6.00		# of strides	11.85	11.47	0.38
	velocity		7.61	9.47	9.14	8.33	8.58	97.7	8.44	8.72	
Safronova, Olga (KAZ) (1991)	time		6.48	11.74	17.21	23.43	23.43	5 / 5			
	reaction time	0.144		5.26	5.47	6.22		# of strides	11.74	11.69	0.05
	velocity		7.72	9.51	9.14	8.04	8.54	96.7	8.52	8.55	
Knott, Kristina (PHI) (1995)	time		6.50	11.75	17.37	23.51	23.51	2 / 6			
	reaction time	0.125		5.25	5.62	6.14		# of strides	11.75	11.76	-0.01
	velocity		7.69	9.52	8.90	8.14	8.51	96.5	8.51	8.50	
Kong Lingwei (CHN) (1995)	time		6.48	11.72	17.28	23.51	23.51	8 / 7			
	reaction time	0.122		5.24	5.56	6.23		# of strides	11.72	11.79	-0.07
	velocity		7.72	9.54	8.99	8.03	8.51	100.0	8.53	8.48	
Quach Thi Lan (VIE) (1995)	time		6.52	11.91	17.62	23.77	23.77	1 / 8			
	reaction time	0.137		5.39	5.71	6.15		# of strides	11.91	11.86	0.05
	velocity		7.67	9.28	8.76	8.13	8.41	89.2	8.40	8.43	

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

date 05-Aug-18

wind 0.8 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Iki, Aiko (JPN) (2000)	time		6.57	12.08	17.68	23.78	23.78	5 / 1			
	reaction time			5.51	5.60	6.10	PB	# of strides	12.08	11.70	0.38
	velocity		7.61	9.07	8.93	8.20	8.41		8.28	8.55	
Aono, Shuri (JPN) (2000)	time		6.65	12.15	17.76	23.89	23.89	4 / 2			
	reaction time			5.50	5.61	6.13		# of strides	12.15	11.74	0.41
	velocity		7.52	9.09	8.91	8.16	8.37		8.23	8.52	
Kageyama, Sakiho (JPN)	time		6.57	12.19	17.93	23.93	23.93	6 / 3			
	reaction time			5.62	5.74	6.00	PB	# of strides	12.19	11.74	0.45
	velocity		7.61	8.90	8.71	8.33	8.36		8.20	8.52	
Mimura, Kanami (JPN)	time		6.58	12.07	17.82	24.02	24.02	7 / 4			
	reaction time			5.49	5.75	6.20	PB	# of strides	12.07	11.95	0.12
	velocity		7.60	9.11	8.70	8.06	8.33		8.29	8.37	
Usui, Ayane (JPN) (2000)	time		6.49	12.02	17.85	24.11	24.11	2 / 5			
	reaction time			5.53	5.83	6.26		# of strides	12.02	12.09	-0.07
	velocity		7.70	9.04	8.58	7.99	8.30		8.32	8.27	
Miura, Yuna (JPN) (2002)	time		6.72	12.35	18.07	24.30	24.30	9 / 6			
	reaction time			5.63	5.72	6.23		# of strides	12.35	11.95	0.40
	velocity		7.44	8.88	8.74	8.03	8.23		8.10	8.37	
Kawanaka, Aori (JPN) (2001)	time		6.75	12.39	18.17	24.45	24.45	8 / 7			
	reaction time			5.64	5.78	6.28		# of strides	12.39	12.06	0.33
	velocity		7.41	8.87	8.65	7.96	8.18		8.07	8.29	

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

Idoabigeiru, Fuka (JPN) (2001)	time	6.65	12.33	18.19	24.51	24.51	3 / 8			
reaction time	interval		5.68	5.86	6.32		# of strides	12.33	12.18	0.15
	velocity	7.52	8.80	8.53	7.91	8.16		8.11	8.21	

2018 IAAF World Junior Championships (Tampere, FIN)

FINAL

NAME	date	14-Jul-18	wind	-0.1 m/s	Koyama (2018) - research on athlete performance and technique- 2018 data book							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Williams, Briana (JAM) (2002)	time		6.36	11.47	16.72	22.50	22.50	3 / 1				
	reaction time	0.191	interval		5.11	5.25	5.78	CR NJR	# of strides	11.47	11.03	0.44
			velocity	7.86	9.78	9.52	8.65	8.89		8.72	9.07	
Williams, Lauren Rain (USA) (1999)	time		6.40	11.55	17.00	23.09	23.09	5 / 2				
	reaction time	0.162	interval		5.15	5.45	6.09		# of strides	11.55	11.54	0.01
			velocity	7.81	9.71	9.17	8.21	8.66		8.66	8.67	
Kotwila, Martyna (POL) (1999)	time		6.57	11.93	17.36	23.21	23.21	4 / 3				
	reaction time	0.181	interval		5.36	5.43	5.85	=PB	# of strides	11.93	11.28	0.65
			velocity	7.61	9.33	9.21	8.55	8.62		8.38	8.87	
Kirkland, Jayla (USA) (1999)	time		6.65	11.93	17.35	23.21	23.21	8 / 4				
	reaction time	0.260	interval		5.28	5.42	5.86	DQ	# of strides	11.93	11.28	0.65
			velocity	7.52	9.47	9.23	8.53	8.62		8.38	8.87	
Miller, Polina (RUS) (2000)	time		6.60	11.83	17.35	23.32	23.32	6 / 5 4				
	reaction time	0.221	interval		5.23	5.52	5.97		# of strides	11.83	11.49	0.34
			velocity	7.58	9.56	9.06	8.38	8.58		8.45	8.70	
Junk, Sophia (GER) (1999)	time		6.67	12.07	17.59	23.55	23.55	1 / 6 5				
	reaction time	0.177	interval		5.40	5.52	5.96		# of strides	12.07	11.48	0.59
			velocity	7.50	9.26	9.06	8.39	8.49		8.29	8.71	
Schwab, Corinna (GER) (1999)	time		6.63	11.92	17.47	23.55	23.55	7 / 7 6				
	reaction time	0.207	interval		5.29	5.55	6.08	=PB	# of strides	11.92	11.63	0.29
			velocity	7.54	9.45	9.01	8.22	8.49		8.39	8.60	
Martins, Lorraine (BRA) (2000)	time		6.65	12.16	17.80	23.91	23.91	2 / 8 7				
	reaction time	0.169	interval		5.51	5.64	6.11		# of strides	12.16	11.75	0.41
			velocity	7.52	9.07	8.87	8.18	8.36		8.22	8.51	

2018 USATF National Championships (Des Moines, IA)

FINAL

FINAL	date	24-Jun-18	wind -1.0 m/s			Track Newsletter (2018) - USATF championships women					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Prandini, Jenna (USA) (1992)	time			11.4		22.7	22.62	/ 1			
	reaction time	interval				11.30		# of strides	11.40	11.30	0.10
		velocity		8.77		8.85	8.84		8.77	8.85	
Francis, Phyllis (USA) (1992)	time			11.6		22.8	22.83	/ 2			
	reaction time	interval				11.20		# of strides	11.60	11.20	0.40
		velocity		8.62		8.93	8.76		8.62	8.93	
Jefferson, Kyra (USA) (1994)	time			11.6		22.9	22.89	/ 3			
	reaction time	interval				11.30		# of strides	11.60	11.30	0.30
		velocity		8.62		8.85	8.74		8.62	8.85	

2018 Japanese National Championships (Yamaguchi, JPN)

FINAL

Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018														
		date	24-Jun-18	wind	1.1 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time			6.43	11.77	17.45	23.65		23.65		6 / 1			
	reaction time	0.130	interval		5.34	5.68	6.20				# of strides	11.77	11.88	-0.11
			velocity	7.78	9.36	8.80	8.06	8.46				8.50	8.42	
Ichikawa, Kana (JPN) (1991)	time			6.63	12.02	17.66	23.83		23.83		7 / 2			
	reaction time	0.143	interval		5.39	5.64	6.17				# of strides	12.02	11.81	0.21
			velocity	7.54	9.28	8.87	8.10	8.39				8.32	8.47	

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

Yamada, Miki (JPN) (1999)	time	6.71	12.15	17.79	23.92	23.92	3 / 3			
reaction time	0.176	interval	5.44	5.64	6.13	PB	# of strides	12.15	11.77	0.38
		velocity	7.45	9.19	8.87	8.16	8.36	8.23	8.50	
Maeyama, Miyu (JPN) (1996)	time	6.59	12.04	17.77	24.05	24.05	5 / 4			
reaction time	0.171	interval	5.45	5.73	6.28		# of strides	12.04	12.01	0.03
		velocity	7.59	9.17	8.73	7.96	8.32	8.31	8.33	
Watanabe, Hikaru (JPN) (1996)	time	6.54	11.98	17.71	24.06	24.06	4 / 5			
reaction time	0.143	interval	5.44	5.73	6.35	PB	# of strides	11.98	12.08	-0.10
		velocity	7.65	9.19	8.73	7.87	8.31	8.35	8.28	
Saito, Rina (JPN) (1997)	time	6.64	12.17	17.94	24.19	24.19	2 / 6			
reaction time	0.180	interval	5.53	5.77	6.25	PB	# of strides	12.17	12.02	0.15
		velocity	7.53	9.04	8.67	8.00	8.27	8.22	8.32	
Wada, Maki (JPN) (1986)	time	6.55	12.13	18.15	24.69	24.69	9 / 7			
reaction time	0.152	interval	5.58	6.02	6.54		# of strides	12.13	12.56	-0.43
		velocity	7.63	8.96	8.31	7.65	8.10	8.24	7.96	

2018 Japanese National Multi-Event Championships (Nagano, JPN)

Heptathlon - Heat 3

date 16-Jun-18 wind 2.2 m/s Matsubayashi (2018) - research on athlete performance and technique- 2018 data book

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Yamasaki, Yuki (JPN) (1995)	time	6.82	12.39	18.29	24.68	24.68	7 / 1			
reaction time	interval		5.57	5.90	6.39		# of strides	12.39	12.29	0.10
	velocity	7.33	8.98	8.47	7.82	8.10		8.07	8.14	
Utsunomiya, Eri (JPN) (1993)	time	6.76	12.41	18.36	24.71	24.71	5 / 2			
reaction time	interval		5.65	5.95	6.35		# of strides	12.41	12.30	0.11
	velocity	7.40	8.85	8.40	7.87	8.09		8.06	8.13	
Hemphill, Megu (JPN) (1996)	time	6.92	12.61	18.63	25.20	25.20	6 / 4			
reaction time	interval		5.69	6.02	6.57		# of strides	12.61	12.59	0.02
	velocity	7.23	8.79	8.31	7.61	7.94		7.93	7.94	
Kiriyama, Chie (JPN) (1991)	time	6.90	12.71	18.74	25.27	25.27	3 / 5			
reaction time	interval		5.81	6.03	6.53		# of strides	12.71	12.56	0.15
	velocity	7.25	8.61	8.29	7.66	7.91		7.87	7.96	

2018 NCAA Championships (Eugene, OR)

FINAL

date 09-Jun-18 wind -2.3 m/s Track Newsletter (2018) - NCAA women's championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Annelus, Angie (USA) (1997)	time		11.6		22.8	22.76	/ 1			
reaction time	interval				11.20		# of strides	11.60	11.20	0.40
	velocity		8.62		8.93	8.79		8.62	8.93	
Thomas, Gabriele (USA) (1996)	time		11.6		22.9	22.86	/ 2			
reaction time	interval				11.30		# of strides	11.60	11.30	0.30
	velocity		8.62		8.85	8.75		8.62	8.85	
Irby, Lynna (USA) (1998)	time		11.6		22.9	22.92	/ 3			
reaction time	interval				11.30		# of strides	11.60	11.30	0.30
	velocity		8.62		8.85	8.73		8.62	8.85	
Seymour, Ka'tia (USA) (1997)	time		11.7		23.1	23.10	/ 4			
reaction time	interval				11.40		# of strides	11.70	11.40	0.30
	velocity		8.55		8.77	8.66		8.55	8.77	
Johnson, Kortnei (USA) (1997)	time		11.7		23.2	23.20	/ 5			
reaction time	interval				11.50		# of strides	11.70	11.50	0.20
	velocity		8.55		8.70	8.62		8.55	8.70	
Henderson, Ashley (USA) (1995)	time		11.5		23.3	23.34	/ 6			
reaction time	interval				11.80		# of strides	11.50	11.80	-0.30

	velocity	8.70	8.47	8.57		8.70	8.47	
Hill, Deanna (USA) (1996)	time	11.9	23.5	23.53	/ 7			
reaction time	interval		11.60		# of strides	11.90	11.60	0.30
	velocity	8.40	8.62	8.50		8.40	8.62	
Collins, Shania (LBR) (1996)	time	11.6	24.0	24.01	/ 8			
reaction time	interval		12.40		# of strides	11.60	12.40	-0.80
	velocity	8.62	8.06	8.33		8.62	8.06	

2018 Shimane High School Championships (Izumo, JPN)

FINAL

		date	27-May-18	wind	0.8 m/s	Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Nagato, Tomoka (JPN)	time			★	12.59		25.17	25.17	5 / 1			
	reaction time						12.58		# of strides	12.59	12.58	0.01
	velocity				7.94		7.95	7.95		7.94	7.95	
Toya, Moenan (JPN)	time				12.69		25.50	25.51	3 / 2			
	reaction time						12.81		# of strides	12.69	12.81	-0.12
	velocity				7.88		7.81	7.84		7.88	7.81	
Oshita, Airi (JPN)	time				12.86		25.88	25.89	4 / 3			
	reaction time						13.02		# of strides	12.86	13.02	-0.16
	velocity				7.78		7.68	7.72		7.78	7.68	
Amano, Iori (JPN)	time				13.35		26.40	26.39	8 / 4			
	reaction time						13.05		# of strides	13.35	13.05	0.30
	velocity				7.49		7.66	7.58		7.49	7.66	
Hino, Ayaka (JPN)	time				13.31		26.38	26.40	6 / 5			
	reaction time						13.07		# of strides	13.31	13.07	0.24
	velocity				7.51		7.65	7.58		7.51	7.65	
Shibuya, Rika (JPN)	time				13.54		26.50	26.50	1 / 6			
	reaction time						12.96		# of strides	13.54	12.96	0.58
	velocity				7.39		7.72	7.55		7.39	7.72	
Tateishi, Yuka (JPN)	time				13.41		26.65	26.65	2 / 7			
	reaction time						13.24		# of strides	13.41	13.24	0.17
	velocity				7.46		7.55	7.50		7.46	7.55	
Nagase, Nozomi (JPN)	time				13.57		26.67	26.67	7 / 8			
	reaction time						13.10		# of strides	13.57	13.10	0.47
	velocity				7.37		7.63	7.50		7.37	7.63	

2018 Shizuoka International Meeting (Fukuroi, JPN)

A FINAL

	date	03-May-18	wind	1.1 m/s	Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time					23.35	23.35	4 / 1			
reaction time	0.176 interval					6.16		# of strides	11.61	11.74	-0.13
	velocity					8.12	8.57	105.5	8.61	8.52	
Maeyama, Miyu (JPN) (1996)	time					23.80	23.80	7 / 2			
reaction time	0.187 interval					6.18	=PB	# of strides	11.95	11.85	0.10
	velocity					8.09	8.40	96.2	8.37	8.44	
Ichikawa, Kana (JPN) (1991)	time					24.03	24.03	6 / 4			
reaction time	0.165 interval					6.34		# of strides	12.00	12.03	-0.03
	velocity					7.89	8.32	99.0	8.33	8.31	

B FINAL

	date	03-May-18	wind	0.7 m/s	Ryutaro (2018) - research on athlete performance and technique- 2018 data book						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Nakamura, Mizuki (JPN) (1996)	time					24.62	24.62	7 / 4			
reaction time	0.184 interval					6.39		# of strides	12.36	12.26	0.10
	velocity					7.82	8.12	99.2	8.09	8.16	

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

Heat 3

date	03-May-18	wind	-0.7 m/s	Ryutaro (2018) - research on athlete performance and technique- 2018 data book						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Nakamura, Mizuki (JPN) (1996)	time	6.71	12.24	17.99	24.24	24.24	6 / 3			
reaction time	0.173	interval	5.53	5.75	6.25		# of strides	12.24	12.00	0.24
		velocity	7.45	9.04	8.00	8.25	100.0	8.17	8.33	

Heat 2

date	03-May-18	wind	1.4 m/s	Ryutaro (2018) - research on athlete performance and technique- 2018 data book						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ichikawa, Kana (JPN) (1991)	time	6.54	11.90	17.56	23.71	23.71	5 / 1			
reaction time	0.184	interval	5.36	5.66	6.15		# of strides	11.90	11.81	0.09
		velocity	7.65	9.33	8.13	8.44	98.0	8.40	8.47	

Heat 1

date	03-May-18	wind	0.6 m/s	Ryutaro (2018) - research on athlete performance and technique- 2018 data book						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Aoyama, Seika (JPN) (1996)	time	6.95	12.68	18.59	24.92	24.92	8 / 8			
reaction time	0.253	interval	5.73	5.91	6.33		# of strides	12.68	12.24	0.44
		velocity	7.19	8.73	7.90	8.03		7.89	8.17	

2018 Tokyo Combined Event Meeting (Tokyo, JPN)

Heptathlon - Heat 3

date	21-Apr-18	wind	-0.4 m/s	Matsubayashi (2018) - research on athlete performance and technique- 2018 data book						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Utsunomiya, Eri (JPN) (1993)	time	6.72	12.37	18.40	24.79	24.79	8 / 1			
reaction time		interval	5.65	6.03	6.39	PB	# of strides	12.37	12.42	-0.05
		velocity	7.44	8.85	7.82	8.07		8.08	8.05	
Yamasaki, Yuki (JPN) (1995)	time	6.75	12.47	18.33	25.22	25.22	3 / 2			
reaction time		interval	5.72	5.86	6.89		# of strides	12.47	12.75	-0.28
		velocity	7.41	8.74	7.26	7.93		8.02	7.84	
Hemphill, Megu (JPN) (1996)	time	6.94	12.71	18.78	25.39	25.39	4 / 4			
reaction time		interval	5.77	6.07	6.61		# of strides	12.71	12.68	0.03
		velocity	7.20	8.67	7.56	7.88		7.87	7.89	

Heptathlon - Heat 2

date	21-Apr-18	wind	-2.8 m/s	Matsubayashi (2018) - research on athlete performance and technique- 2018 data book						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kiriyama, Chie (JPN) (1991)	time	6.87	12.73	18.92	25.80	25.80	4 / 1			
reaction time		interval	5.86	6.19	6.88		# of strides	12.73	13.07	-0.34
		velocity	7.28	8.53	7.27	7.75		7.86	7.65	

2017 Weltklasse (Zürich, SUI)

FINAL

date	24-Aug-17	wind	0.1 m/s	2017.08.25) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miller-Uibo, Shaunae (BAH) (19)	time		11.38		21.88	21.88	7 / 1			
reaction time	0.129	interval			10.50	NR	# of strides	11.38	10.50	0.88
		velocity	8.79		9.52	9.14	90.0	8.79	9.52	

2017 IAAF World Championships (London, GBR)

FINAL

date	11-Aug-17	wind	0.8 m/s	Takahashi (2017) - biomechanical report for the IAAF World Champs- London 2017- Women's 200m						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Schippers, Dafne (NED) (1992)	time	6.22	11.14	16.31	22.05	22.05	6 / 1			
reaction time	0.165	interval	4.92	5.17	5.74		# of strides	11.14	10.91	0.23
		velocity	8.04	10.16	8.71	9.07	92.2	8.98	9.17	
Ta Lou, Marie-Josée (CIV) (1988)	time	6.17	11.17	16.39	22.08	22.08	4 / 2			
reaction time	0.199	interval	5.00	5.22	5.69	NR	# of strides	11.17	10.91	0.26
		velocity	8.10	10.00	8.79	9.06	98.1	8.95	9.17	
Miller-Uibo, Shaunae (BAH) (19)	time	6.31	11.37	16.59	22.15	22.15	5 / 3			
reaction time	0.147	interval	5.06	5.22	5.56		# of strides	11.37	10.78	0.59
		velocity	7.92	9.88	8.99	9.03	90.6	8.80	9.28	
Asher-Smith, Dina (GBR) (1995)	time		11.09	16.34	22.05	22.22	8 / 4			
reaction time	0.169	interval		5.25	5.71		# of strides	11.09	10.96	0.13

	velocity	9.02	9.52	8.76	9.00	96.2	9.02	9.12	
Stevens, Deajah (USA) (1995)	time	11.19	16.47	22.26	22.44	7 / 5			Pollitt (2018)
	reaction time	0.178	interval	5.28	5.79	# of strides	11.19	11.07	0.12
	velocity	8.94	9.47	8.64	8.91	88.8	8.94	9.03	
Duncan, Kimberlyn (USA) (1991)	time	11.15	16.46	22.39	22.59	9 / 6			Pollitt (2018)
	reaction time	0.198	interval	5.31	5.93	# of strides	11.15	11.24	-0.09
	velocity	8.97	9.42	8.43	8.85	101.4	8.97	8.90	
Emmanuel, Crystal (CAN) (1991)	time	11.23	16.63	22.44	22.60	2 / 7			Pollitt (2018)
	reaction time	0.158	interval	5.40	5.81	# of strides	11.23	11.21	0.02
	velocity	8.90	9.26	8.61	8.85	98.2	8.90	8.92	
Gaither, TyNia (BAH) (1993)	time	11.46	16.96	22.91	23.07	3 / 8			Pollitt (2018)
	reaction time	0.162	interval	5.50	5.95	# of strides	11.46	11.45	0.01
	velocity	8.73	9.09	8.40	8.67	108.7	8.73	8.73	

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

Semi-Final 3

Semi-Final 3			date	10-Aug-17	wind	-0.2 m/s	Takahashi (2017) - 200m running performance analysis in the 2017 season						
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ta Lou, Marie-Josée (CIV) (1988)			time		6.23	11.26	16.60	22.50	22.50	5 / 1			Takahashi (2017)
			reaction time	0.198	interval		5.03	5.34	5.90	# of strides	11.26	11.24	0.02
					velocity	8.03	9.94	9.36	8.47	99.3	8.88	8.90	
Asher-Smith, Dina (GBR) (1995)			time			11.13	16.55	22.58	22.73	4 / 2			Pollitt (2018)
			reaction time	0.153	interval		5.42	6.03		# of strides	11.13	11.45	-0.32
					velocity		8.98	9.23	8.29	97.4	8.98	8.73	
Emmanuel, Crystal (CAN) (1991)			time			11.20	16.67	22.68	22.85	6 / 3			Pollitt (2018)
			reaction time	0.165	interval		5.47	6.01		# of strides	11.20	11.48	-0.28
					velocity	8.93	9.14	8.32	8.75	99.7	8.93	8.71	
Gaither, TyNia (BAH) (1993)			time			11.35	16.76	22.70	22.85	7 / 4			Pollitt (2018)
			reaction time	0.151	interval		5.41	5.94		# of strides	11.35	11.35	0.00
					velocity	8.81	9.24	8.42	8.75	108.9	8.81	8.81	
Belimbasáki, María (GRE) (1991)			time			11.51	17.01	23.01	23.21	8 / 5			Pollitt (2018)
			reaction time	0.202	interval		5.50	6.00		# of strides	11.51	11.50	0.01
					velocity	8.69	9.09	8.33	8.62	98.6	8.69	8.70	
Rosa, Vitoria Cristina (BRA) (1991)			time			11.37	16.94	23.14	23.31	9 / 6			Pollitt (2018)
			reaction time	0.173	interval		5.57	6.20		# of strides	11.37	11.77	-0.40
					velocity	8.80	8.98	8.06	8.58	95.3	8.80	8.50	
Williams, Jodean (JAM) (1993)			time			11.51	17.08	23.14	23.32	2 / 7			Pollitt (2018)
			reaction time	0.182	interval		5.57	6.06		# of strides	11.51	11.63	-0.12
					velocity	8.69	8.98	8.25	8.58	94.4	8.69	8.60	
Raffai, Estelle (FRA) (1998)			time			11.54	17.14	23.27	23.45	3 / 8			Pollitt (2018)
			reaction time	0.183	interval		5.60	6.13		# of strides	11.54	11.73	-0.19
					velocity	8.67	8.93	8.16	8.53	95.5	8.67	8.53	

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

Semi-Final 2

Semi-Final 2		date	10-Aug-17	wind	Takahashi (2017) - 200m running performance analysis in the 2017 season							
					-0.2 m/s							
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miller-Uibo, Shaunae (BAH) (1991)	time			6.39	11.47	16.74	22.49	22.49	7 / 1			Takahashi (2017)
	reaction time	0.147	interval		5.08	5.27	5.75		# of strides	11.47	11.02	0.45
			velocity	7.82	9.84	9.49	8.70	8.89	89.5	8.72	9.07	
Duncan, Kimberlyn (USA) (1991)	time				11.35	16.72	22.55	22.73	4 / 2			Pollitt (2018)
	reaction time	0.183	interval			5.37	5.83		# of strides	11.35	11.20	0.15
			velocity		8.81	9.31	8.58	8.80	99.6	8.81	8.93	
Kambundji, Mujinga (SUI) (1992)	time				11.19	16.68	22.87	23.00	5 / 3			Pollitt (2018)
	reaction time	0.129	interval			5.49	6.19		# of strides	11.19	11.68	-0.49
			velocity		8.94	9.11	8.08	8.70	102.5	8.94	8.56	

Facey, Simone (JAM) (1985)	time	11.24	16.70	22.83	23.01	6 / 4			<i>Pollitt (2018)</i>
	reaction time	0.181	interval	5.46	6.13	# of strides	11.24	11.59	-0.35
	velocity	8.90	9.16	8.16	8.69	101.0	8.90	8.63	
Odong, Ofonime (BRN) (1997)	time	11.42	16.85	22.96	23.24	8 / 5			<i>Pollitt (2018)</i>
	reaction time	0.275	interval	5.43	6.11	# of strides	11.42	11.54	-0.12
	velocity	8.76	9.21	8.18	8.61	95.6	8.76	8.67	
Williams, Bianca (GBR) (1993)	time	11.48	17.09	23.24	23.40	3 / 6			<i>Pollitt (2018)</i>
	reaction time	0.161	interval	5.61	6.15	# of strides	11.48	11.76	-0.28
	velocity	8.71	8.91	8.13	8.55	101.4	8.71	8.50	
Hackett, Semoy (TTO) (1988)	time	11.53	17.15	23.39	23.54	2 / 7			<i>Pollitt (2018)</i>
	reaction time	0.148	interval	5.62	6.24	# of strides	11.53	11.86	-0.33
	velocity	8.67	8.90	8.01	8.50	98.0	8.67	8.43	

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

Semi-Final 1

Semi-Final 1		date 10-Aug-17		wind	-0.2 m/s		Takahashi (2017) - 200m running performance analysis in the 2017 season					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Schippers, Dafne (NED) (1992)	time			6.26	11.25	16.58	22.49	22.49	5 / 1			Takahashi (2017)
	reaction time	0.155	interval		4.99	5.33	5.91		# of strides	11.25	11.24	0.01
			velocity		7.99	10.02	9.38	8.46	8.89	93.1	8.89	8.90
Stevens, Deajah (USA) (1995)	time				11.26	16.64	22.55	22.71	6 / 2			Pollitt (2018)
	reaction time	0.155	interval			5.38	5.91		# of strides	11.26	11.29	-0.03
			velocity			8.88	9.29	8.46	8.81	88.7	8.88	8.86
Lalova-Collio, Ivet (BUL) (1984)	time				11.36	16.84	22.81	22.96	7 / 3			Pollitt (2018)
	reaction time	0.148	interval			5.48	5.97		# of strides	11.36	11.45	-0.09
			velocity			8.80	9.12	8.38	8.71	99.0	8.80	8.73
Haase, Rebekka (GER) (1993)	time				11.31	16.84	22.87	23.03	4 / 4			Pollitt (2018)
	reaction time	0.161	interval			5.53	6.03		# of strides	11.31	11.56	-0.25
			velocity			8.84	9.04	8.29	8.68	98.2	8.84	8.65
Forbes, Sashalee (JAM) (1996)	time				11.49	16.97	22.93	23.06	3 / 5			Pollitt (2018)
	reaction time	0.164	interval			5.48	5.96		# of strides	11.49	11.44	0.05
			velocity			8.70	9.12	8.39	8.67	104.6	8.70	8.74
Atcho, Sarah (SUI) (1995)	time				11.44	16.95	22.99	23.12	8 / 6			Pollitt (2018)
	reaction time	0.134	interval			5.51	6.04		# of strides	11.44	11.55	-0.11
			velocity			8.74	9.07	8.28	8.65	93.4	8.74	8.66
Palframan, Justine (RSA) (1993)	time				11.62	17.08	23.05	23.21	2 / 7			Pollitt (2018)
	reaction time	0.146	interval			5.46	5.97		# of strides	11.62	11.43	0.19
			velocity			8.61	9.16	8.38	8.62	100.0	8.61	8.75
Strachan, Anthonique (BAH) (1991)	time				11.69	17.17	23.00	23.21	9 / 8			Pollitt (2018)
	reaction time	0.207	interval			5.48	5.83		# of strides	11.69	11.31	0.38
			velocity			8.55	9.12	8.58	8.62	88.3	8.55	8.84

Heat 6

eat 6	date 08-Aug-17		wind	0.1 m/s		Takahashi (2017) - 200m running performance analysis in the 2017 season						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Ta Lou, Marie-Josée (CIV) (1988 time		6.28	11.37	16.79	22.70	22.70	4 / 1				
	reaction time	0.192	interval	5.09	5.42	5.91	# of strides		11.37	11.33	0.04	
	velocity	7.96	9.82	9.23	8.46	8.81	99.0		8.80	8.83		

Heat 4

Heat 4	date 08-Aug-17		wind	-0.1 m/s		Takahashi (2017) - 200m running performance analysis in the 2017 season						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Miller-Uibo, Shaunae (BAH) (1991) time			6.44	11.63	16.91	22.69	22.69	5 / 1			
	reaction time	0.173	interval		5.19	5.28	5.78		# of strides	11.63	11.06	0.57
			velocity		7.76	9.63	9.47	8.65	8.81	88.7	8.60	9.04

Heat 1

Heat 1	date	08-Aug-17	wind	0.5 m/s			Takahashi (2017) - 200m running performance analysis in the 2017 season					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Schippers, Dafne (NED) (1992)		time	6.28	11.31	16.63	22.63	22.63	6 / 1				

reaction time	0.146	interval	5.03	5.32	6.00	# of strides	11.31	11.32	-0.01
velocity	7.96	9.94	9.40	8.33	8.84	92.0	8.84	8.83	

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

date 01-Aug-17 wind -0.2 m/s Kota (2017) - 70th high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Aono, Akari (JPN) (2000)	time	6.69	12.26	17.85	23.98	23.98	7 / 1			
reaction time	0.158	interval	5.57	5.59	6.13		# of strides	12.26	11.72	0.54
	velocity	7.47	8.98	8.94	8.16	8.34		8.16	8.53	
Okumura, Yuri (JPN) (2000)	time	6.63	12.29	18.04	24.34	24.34	5 / 2			
reaction time	0.152	interval	5.66	5.75	6.30		# of strides	12.29	12.05	0.24
	velocity	7.54	8.83	8.70	7.94	8.22		8.14	8.30	
Yamada, Miki (JPN) (1999)	time	6.69	12.25	18.02	24.43	24.43	6 / 3			
reaction time	0.184	interval	5.56	5.77	6.41		# of strides	12.25	12.18	0.07
	velocity	7.47	8.99	8.67	7.80	8.19		8.16	8.21	
Kodama, Mei (JPN) (1999)	time	6.65	12.32	18.12	24.44	24.44	3 / 4			
reaction time	0.194	interval	5.67	5.80	6.32		# of strides	12.32	12.12	0.20
	velocity	7.52	8.82	8.62	7.91	8.18		8.12	8.25	
Igoshi, Akari (JPN) (2000)	time	6.68	12.43	18.30	24.56	24.56	9 / 5			
reaction time	0.177	interval	5.75	5.87	6.26		# of strides	12.43	12.13	0.30
	velocity	7.49	8.70	8.52	7.99	8.14		8.05	8.24	
Miura, Yuna (JPN) (2002)	time	6.62	12.29	18.10	24.66	24.66	4 / 6			
reaction time	0.161	interval	5.67	5.81	6.56		# of strides	12.29	12.37	-0.08
	velocity	7.55	8.82	8.61	7.62	8.11		8.14	8.08	
Kawanaka, Aori (JPN) (2001)	time	6.72	12.44	18.28	24.79	24.79	8 / 7			
reaction time	0.167	interval	5.72	5.84	6.51		# of strides	12.44	12.35	0.09
	velocity	7.44	8.74	8.56	7.68	8.07		8.04	8.10	
Saito, Manami (JPN) (1999)	time	6.71	12.49	18.39	24.90	24.90	2 / 8			
reaction time	0.159	interval	5.78	5.90	6.51		# of strides	12.49	12.41	0.08
	velocity	7.45	8.65	8.47	7.68	8.03		8.01	8.06	

2017 USATF National Championships (Sacramento, CA)**FINAL**

date 25-Jun-17 wind -2.5 m/s Track Newsletter (2017) - USATF championships women

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Stevens, Deajah (USA) (1995)	time		11.5		22.3	22.30	/ 1			
reaction time					10.80		# of strides	11.50	10.80	0.70
	velocity		8.70		9.26	8.97		8.70	9.26	
Duncan, Kimberlyn (USA) (1991)	time		11.4		22.6	22.59	/ 2			
reaction time					11.20		# of strides	11.40	11.20	0.20
	velocity		8.77		8.93	8.85		8.77	8.93	
Bowie, Towie (USA) (1990)	time		11.4		22.6	22.60	/ 3			
reaction time					11.20		# of strides	11.40	11.20	0.20
	velocity		8.77		8.93	8.85		8.77	8.93	
Washington, Ariana (USA) (199)	time		11.5		22.6	22.65	/ 4			
reaction time					11.10		# of strides	11.50	11.10	0.40
	velocity		8.70		9.01	8.83		8.70	9.01	
Jeffersen, Kyra (USA) (1994)	time		11.5		22.7	22.68	/ 5			
reaction time					11.20		# of strides	11.50	11.20	0.30
	velocity		8.70		8.93	8.82		8.70	8.93	
Hill, Deanna (USA) (1996)	time		11.6		23.0	23.04	/ 6			
reaction time					11.40		# of strides	11.60	11.40	0.20
	velocity		8.62		8.77	8.68		8.62	8.77	

Prandini, Jenna (USA) (1992)	time	11.6	23.2	23.16	/ 7			
reaction time	interval		11.60		# of strides	11.60	11.60	0.00
	velocity	8.62	8.62	8.64		8.62	8.62	

2017 Japanese National Championships (Osaka, JPN)

FINAL

INAL

	date	25-Jun-17	wind	-0.2 m/s	Takahashi (2017) - 200m running performance analysis in the 2017 season							
Ichikawa, Kana (JPN) (1991)	time		6.52	11.85	17.45	23.63	23.63	6 / 1				
	reaction time	0.158	interval		5.33	5.60	6.18		# of strides	11.85	11.78	0.07
			velocity		7.67	9.38	8.93	8.09	8.46		8.44	8.49
Imai, Saori (JPN) (1990)	time		6.65	12.07	17.71	23.74	23.74	7 / 2				
	reaction time	0.185	interval		5.42	5.64	6.03		# of strides	12.07	11.67	0.40
			velocity		7.52	9.23	8.87	8.29	8.42		8.29	8.57
Nakamura, Mizuki (JPN) (1996)	time		6.62	12.00	17.63	23.76	23.76	4 / 3				
	reaction time	0.197	interval		5.38	5.63	6.13		# of strides	12.00	11.76	0.24
			velocity		7.55	9.29	8.88	8.16	8.42		8.33	8.50
Maeyama, Miyu (JPN) (1996)	time		6.48	11.92	17.60	23.89	23.89	2 / 4				
	reaction time	0.181	interval		5.44	5.68	6.29		# of strides	11.92	11.97	-0.05
			velocity		7.72	9.19	8.80	7.95	8.37		8.39	8.35
Fukushima, Chisato (JPN) (1988)	time		6.41	11.76	17.55	24.01	24.01	5 / 5				
	reaction time	0.160	interval		5.35	5.79	6.46		# of strides	11.76	12.25	-0.49
			velocity		7.80	9.35	8.64	7.74	8.33		8.50	8.16
Iki, Ichiko (JPN) (1997)	time		6.75	12.27	17.91	24.11	24.11	9 / 6				
	reaction time	0.187	interval		5.52	5.64	6.20		# of strides	12.27	11.84	0.43
			velocity		7.41	9.06	8.87	8.06	8.30		8.15	8.45
Shimada, Yukina (JPN) (1998)	time		6.55	12.11	18.05	24.38	24.38	3 / 7				
	reaction time	0.159	interval		5.56	5.94	6.33		# of strides	12.11	12.27	-0.16
			velocity		7.63	8.99	8.42	7.90	8.20		8.26	8.15
Saito, Ami (JPN) (1999)	time		6.69	12.23	18.05	24.39	24.39	8 / 8				
	reaction time	0.188	interval		5.54	5.82	6.34		# of strides	12.23	12.16	0.07
			velocity		7.47	9.03	8.59	7.89	8.20		8.18	8.22

2017 NCAA Championships (Eugene, OR)

FINAL

NAME	date	10-Jun-17	wind	1.1 m/s		Track Newsletter (2017) - NCAA women's championships					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m
Jefferson, Kyra (USA) (1994)	time			11.5		22.0	22.02	5 / 1			
	reaction time					10.50	PB	# of strides	11.50	10.50	1.00
	velocity			8.70		9.52	9.08	97.2	8.70	9.52	
Washington, Ariana (USA) (1999)	time			11.6		22.4	22.39	8 / 2			
	reaction time					10.80		# of strides	11.60	10.80	0.80
	velocity			8.62		9.26	8.93	80.2	8.62	9.26	
Thomas, Gabrielle (USA) (1996)	time			11.6		22.6	22.61	6 / 3			
	reaction time					11.00		# of strides	11.60	11.00	0.60
	velocity			8.62		9.09	8.85	89.7	8.62	9.09	
Brown, Aaliyah (USA) (1995)	time			11.6		22.8	22.79	/ 4			
	reaction time					11.20		# of strides	11.60	11.20	0.40
	velocity			8.62		8.93	8.78		8.62	8.93	
Martin, Jada (USA) (1995)	time			11.8		22.9	22.85	/ 5			
	reaction time					11.10		# of strides	11.80	11.10	0.70
	velocity			8.47		9.01	8.75		8.47	9.01	
Hill, Deanna (USA) (1996)	time			11.8		23.0	23.00	/ 6			
	reaction time					11.20		# of strides	11.80	11.20	0.60
	velocity			8.47		8.93	8.70		8.47	8.93	

Brown, Brittany (USA) (1995)	time	11.8	23.0	23.02	/ 7			
	reaction time		11.20		# of strides	11.80	11.20	0.60
	velocity	8.47	8.93	8.69		8.47	8.93	
Stevens, Deajah (USA) (1995)	time	11.4		dnf	/ --			
	reaction time			DQ	# of strides	11.40		
	velocity	8.77				8.77		

2017 Shimane High School Championships (Izumo, JPN)**FINAL**

		date	28-May-17	wind	-1.3 m/s	Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ishikawa, Yuki (JPN)	time				12.53		24.81	24.81	7 / 1			
	reaction time			★		★			★	12.53	12.28	0.25
	velocity			★	7.98	★	8.14	8.06	★	★	7.98	8.14
Oga, Yuri (JPN) (1999)	time				13.07		25.77	25.77	5 / 2			
	reaction time						12.70		★	13.07	12.70	0.37
	velocity				7.65		7.87	7.76		★	7.65	7.87
Toya, Moenan (JPN)	time				12.92		25.92	25.92	6 / 3			
	reaction time						13.00		★	12.92	13.00	-0.08
	velocity				7.74		7.69	7.72		★	7.74	7.69
Maeda, Rune (JPN)	time				12.83		25.95	25.95	9 / 4			
	reaction time						13.12		★	12.83	13.12	-0.29
	velocity				7.79		7.62	7.71		★	7.79	7.62
Yoneda, Ryoha (JPN)	time				13.12		26.21	26.21	4 / 5			
	reaction time						13.09		★	13.12	13.09	0.03
	velocity				7.62		7.64	7.63		★	7.62	7.64
Oshita, Airi (JPN)	time				13.33		26.99	26.99	8 / 6			
	reaction time						13.66		★	13.33	13.66	-0.33
	velocity				7.50		7.32	7.41		★	7.50	7.32

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

Name	date		21-May-17	wind	0.6 m/s		Takahashi (2017) - 200m running performance analysis in the 2017 season					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lalova-Collio, Ivet (BUL) (1984)	time			6.40	11.61	17.08	22.98	22.98	4 / 1			
	reaction time	0.145	interval		5.21	5.47	5.90		# of strides	11.61	11.37	0.24
			velocity	7.81	9.60	9.14	8.47	8.70	97.0	8.61	8.80	
Townsend, Tiffany (USA) (1989)	time			6.40	11.63	17.17	23.31	23.31	5 / 2			
	reaction time	0.159	interval		5.23	5.54	6.14		# of strides	11.63	11.68	-0.05
			velocity	7.81	9.56	9.03	8.14	8.58	98.5	8.60	8.56	
Wisil, Toea (PNG) (1988)	time			6.30	11.49	17.10	23.40	23.40	6 / 3			
	reaction time	0.157	interval		5.19	5.61	6.30		# of strides	11.49	11.91	-0.42
			velocity	7.94	9.63	8.91	7.94	8.55	103.5	8.70	8.40	
Williams, Charonda (USA) (1987)	time			6.41	11.60	17.19	23.47	23.47	7 / 4			
	reaction time	0.156	interval		5.19	5.59	6.28		# of strides	11.60	11.87	-0.27
			velocity	7.80	9.63	8.94	7.96	8.52	97.7	8.62	8.42	
Ichikawa, Kana (JPN) (1991)	time			6.55	11.91	17.51	23.59	23.59	2 / 5			
	reaction time	0.143	interval		5.36	5.60	6.08		# of strides	11.91	11.68	0.23
			velocity	7.63	9.33	8.93	8.22	8.48	99.2	8.40	8.56	
Whitney, Kaylin (USA) (1998)	time			6.41	11.79	17.49	23.63	23.63	3 / 6			
	reaction time	0.165	interval		5.38	5.70	6.14		# of strides	11.79	11.84	-0.05
			velocity	7.80	9.29	8.77	8.14	8.46	97.5	8.48	8.45	
Imai, Saori (JPN) (1990)	time			6.67	12.20	17.86	23.91	23.91	1 / 7			
	reaction time	0.165	interval		5.53	5.66	6.05		# of strides	12.20	11.71	0.49
			velocity	7.50	9.04	8.83	8.26	8.36	99.0	8.20	8.54	

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

2017 Shizuoka International Meeting (Fukuroi, JPN)

FINAL

date 03-May-17 wind -0.5 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time	6.44	11.83	17.62	23.91	23.91	5 / 1			
	reaction time		5.39	5.79	6.29		# of strides	11.83	12.08	-0.25
	interval									
	velocity	7.76	9.28	8.64	7.95	8.36		8.45	8.28	
Imai, Saori (JPN) (1990)	time	6.78	12.39	18.15	24.21	24.21	4 / 2			
	reaction time		5.61	5.76	6.06		# of strides	12.39	11.82	0.57
	interval									
	velocity	7.37	8.91	8.68	8.25	8.26		8.07	8.46	
Breen, Melissa (AUS) (1990)	time	6.58	12.07	17.93	24.27	24.27	6 / 3			
	reaction time		5.49	5.86	6.34		# of strides	12.07	12.20	-0.13
	interval									
	velocity	7.60	9.11	8.53	7.89	8.24		8.29	8.20	
Ichikawa, Kana (JPN) (1991)	time	6.70	12.16	17.93	24.28	24.28	7 / 4			
	reaction time		5.46	5.77	6.35		# of strides	12.16	12.12	0.04
	interval									
	velocity	7.46	9.16	8.67	7.87	8.24		8.22	8.25	
Fujisawa, Sayaka (JPN) (1991)	time	6.78	12.32	18.16	24.52	24.52	9 / 5			
	reaction time		5.54	5.84	6.36		# of strides	12.32	12.20	0.12
	interval									
	velocity	7.37	9.03	8.56	7.86	8.16		8.12	8.20	
Barber, Jade (USA) (1993)	time	6.75	12.30	18.32	24.80	24.80	8 / 6			
	reaction time		5.55	6.02	6.48		# of strides	12.30	12.50	-0.20
	interval									
	velocity	7.41	9.01	8.31	7.72	8.06		8.13	8.00	
Aoyama, Seika (JPN) (1996)	time	6.79	12.55	18.47	24.83	24.83	3 / 7			
	reaction time		5.76	5.92	6.36		# of strides	12.55	12.28	0.27
	interval									
	velocity	7.36	8.68	8.45	7.86	8.05		7.97	8.14	
Wada, Maki (JPN) (1986)	time	6.58	12.31	18.40	25.10	25.10	2 / 8			
	reaction time		5.73	6.09	6.70		# of strides	12.31	12.79	-0.48
	interval									
	velocity	7.60	8.73	8.21	7.46	7.97		8.12	7.82	

2016 Olympic Games (Rio de Janeiro, BRA)

FINAL

date 17-Aug-16 wind -0.1 m/s

Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Thompson, Elaine (JAM) (1992)	time		11.0		21.78	21.78	6 / 1			
	reaction time	0.152			10.78		# of strides	11.00	10.78	0.22
	interval				9.28	9.18		9.09	9.28	
	velocity		9.09							
Schippers, Dafne (NED) (1992)	time		11.2		21.88	21.88	4 / 2			
	reaction time	0.141			10.68		# of strides	11.20	10.68	0.52
	interval				9.36	9.14		8.93	9.36	
	velocity		8.93							
Bowie, Tori (USA) (1990)	time		11.3		22.15	22.15	5 / 3			
	reaction time	0.143			10.85		# of strides	11.30	10.85	0.45
	interval				9.22	9.03		8.85	9.22	
	velocity		8.85							
Ta Lou, Marie Josée (CIV) (1988)	time		11.3		22.21	22.21	3 / 4			
	reaction time	0.153			10.91	NR PB	# of strides	11.30	10.91	0.39
	interval				9.17	9.00		8.85	9.17	
	velocity		8.85							
Asher-Smith, Dina (GBR) (1995)	time		11.3		22.31	22.31	2 / 5			
	reaction time	0.135			11.01		# of strides	11.30	11.01	0.29
	interval				9.08	8.96		8.85	9.08	
	velocity		8.85							
Ahye, Michelle-Lee (TTO) (1992)	time		11.2		22.34	22.34	7 / 6			
	reaction time	0.158			11.14		# of strides	11.20	11.14	0.06
	interval				8.98	8.95		8.93	8.98	
	velocity		8.93							
Stevens, Deajah (USA) (1995)	time		11.5		22.65	22.65	1 / 7			
	reaction time	0.171			11.15		# of strides	11.50	11.15	0.35
	interval									

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

velocity	8.70	8.97	8.83	91.0	8.70	8.97	
Lalova-Collio, Ivet (BUL) (1984) time	11.3	22.69	22.69	8 / 8			
reaction time 0.104 interval		11.39		# of strides	11.30	11.39	-0.09
velocity	8.85	8.78	8.81	98.0	8.85	8.78	

Heat 5date 15-Aug-16 wind 0.5 m/s 2016.08.15) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988) time	11.46		23.21	23.21	8 / 5				
reaction time 0.125 interval			11.75		# of strides	11.46	11.75	-0.29	
velocity	8.73		8.51	8.62		8.73	8.51		

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

date 01-Aug-16 wind 1.2 m/s Kota (2016) - 69th high school championships: JAF scientific committee- biomechanics

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Saito, Ami (JPN) (1999) time	6.38	11.83	17.46	23.60	23.60	5 / 1			
reaction time 0.156 interval		5.45	5.63	6.14		# of strides	11.83	11.77	0.06
velocity	7.84	9.17	8.88	8.14	8.47		8.45	8.50	
Sasaki, Azusa (JPN) (1998) time	6.44	12.04	17.80	24.00	24.00	6 / 2			
reaction time 0.153 interval		5.60	5.76	6.20	PB	# of strides	12.04	11.96	0.08
velocity	7.76	8.93	8.68	8.06	8.33		8.31	8.36	
Shibata, Mie (JPN) (1998) time	6.61	12.30	18.19	24.41	24.41	7 / 3			
reaction time 0.183 interval		5.69	5.89	6.22		# of strides	12.30	12.11	0.19
velocity	7.56	8.79	8.49	8.04	8.19		8.13	8.26	
Aoki, Rin (JPN) (1998) time	6.70	12.38	18.21	24.55	24.55	8 / 4			
reaction time 0.177 interval		5.68	5.83	6.34		# of strides	12.38	12.17	0.21
velocity	7.46	8.80	8.58	7.89	8.15		8.08	8.22	
Shimada, Yukina (JPN) (1998) time	6.56	12.30	18.25	24.55	24.55	4 / 5			
reaction time 0.179 interval		5.74	5.95	6.30		# of strides	12.30	12.25	0.05
velocity	7.62	8.71	8.40	7.94	8.15		8.13	8.16	
Hatano, Minami (JPN) (1998) time	6.70	12.45	18.32	24.56	24.56	9 / 6			
reaction time 0.150 interval		5.75	5.87	6.24		# of strides	12.45	12.11	0.34
velocity	7.46	8.70	8.52	8.01	8.14		8.03	8.26	
Kishimoto, Wakana (JPN) (1998) time	6.64	12.36	18.26	24.58	24.58	3 / 7			
reaction time 0.170 interval		5.72	5.90	6.32		# of strides	12.36	12.22	0.14
velocity	7.53	8.74	8.47	7.91	8.14		8.09	8.18	
Fujii, Ayano (JPN) (1998) time	6.75	12.54	18.47	24.89	24.89	2 / 8			
reaction time 0.190 interval		5.79	5.93	6.42		# of strides	12.54	12.35	0.19
velocity	7.41	8.64	8.43	7.79	8.04		7.97	8.10	

2016 London Anniversary Games (London, GBR)**FINAL**date 23-Jul-16 wind -0.8 m/s 2016.07.23) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Schippers, Dafne (NED) (1992) time	11.29		22.13	22.13	6 / 1				
reaction time 0.144 interval			10.84		# of strides	11.29	10.84	0.45	
velocity	8.86		9.23	9.04		8.86	9.23		
Townsend, Tiffany (USA) (1989) time	11.45		22.63	22.63	7 / 2				
reaction time 0.191 interval			11.18		# of strides	11.45	11.18	0.27	
velocity	8.73		8.94	8.84		8.73	8.94		

2016 USA Olympic Trials (Eugene, OR)**FINAL**

date 10-Jul-16 wind -0.6 m/s Hymans (2020) - history of the US olympic trials - track and field

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Bowie, Towie (USA) (1990) time	11.2		22.3	22.25	7 / 1				
reaction time 0.232 interval			11.10		# of strides	11.20	11.10	0.10	
velocity	8.93		9.01	8.99	91.7	8.93	9.01		

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

Stevens, Deajah (USA) (1995)	time	11.4	22.3	22.30	4 / 2			
reaction time	0.185	interval	10.90		# of strides	11.40	10.90	0.50
		velocity	8.77	9.17	8.97	100.0	8.77	9.17
Prandini, Jenna (USA) (1992)	time	11.3	22.5	22.53	6 / 3			
reaction time	0.187	interval	11.20		# of strides	11.30	11.20	0.10
		velocity	8.85	8.93	8.88	96.2	8.85	8.93
Felix, Allyson (USA) (1985)	time	11.5	22.6	22.54	5 / 4			
reaction time	0.187	interval	11.10		# of strides	11.50	11.10	0.40
		velocity	8.70	9.01	8.87	93.0	8.70	9.01
Washington, Ariana (USA) (199)	time	11.5	22.6	22.65	3 / 5			
reaction time	0.174	interval	11.10		# of strides	11.50	11.10	0.40
		velocity	8.70	9.01	8.83	92.2	8.70	9.01
Thomas, Gabrielle (USA) (1996)	time	11.6	22.7	22.72	8 / 6			
reaction time	0.205	interval	11.10		# of strides	11.60	11.10	0.50
		velocity	8.62	9.01	8.80	90.0	8.62	9.01
Townsend, Tiffany (USA) (1989)	time	11.6	22.8	22.80	2 / 7			
reaction time	0.230	interval	11.20		# of strides	11.60	11.20	0.40
		velocity	8.62	8.93	8.77	97.7	8.62	8.93
Tarmoh, Jeneba (USA) (1989)	time	11.8	23.7	23.72	1 / 8			
reaction time	0.189	interval	11.90		# of strides	11.80	11.90	-0.10
		velocity	8.47	8.40	8.43		8.47	8.40

2016 Japanese National Championships (Nagoya, JPN)

FINAL

		date	26-Jun-16	wind	1.8 m/s	Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time		6.25	11.46	16.92	22.88	22.88		/ 1			
	reaction time	interval		5.21	5.46	5.96	NR		# of strides	11.46	11.42	0.04
		velocity	8.00	9.60	9.16	8.39	8.74			8.73	8.76	
Saito, Ami (JPN) (1999)	time		6.49	11.75	17.33	23.46	23.46		/ 2			
	reaction time	interval		5.26	5.58	6.13	NJR		# of strides	11.75	11.71	0.04
		velocity	7.70	9.51	8.96	8.16	8.53			8.51	8.54	
Nagano, Mariko (JPN) (1994)	time		6.57	12.00	17.71	23.96	23.96		/ 5			
	reaction time	interval		5.43	5.71	6.25	PB		# of strides	12.00	11.96	0.04
		velocity	7.61	9.21	8.76	8.00	8.35			8.33	8.36	
Banno, Rio (JPN) (1990)	time		6.60	12.06	17.79	24.07	24.07		/ 6			
	reaction time	interval		5.46	5.73	6.28			# of strides	12.06	12.01	0.05
		velocity	7.58	9.16	8.73	7.96	8.31			8.29	8.33	
Maeyama, Miyu (JPN) (1996)	time		6.53	12.00	17.80	24.26	24.26		/ 7			
	reaction time	interval		5.47	5.80	6.46			# of strides	12.00	12.26	-0.26
		velocity	7.66	9.14	8.62	7.74	8.24			8.33	8.16	

2016 Bislett Games (Oslo, NOR)

FINAL

	date	09-Jun-16	wind	0.7 m/s	2016.06.09) - https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Schippers, Dafne (NED) (1992)	time	6.25	11.15		21.93	21.93		5 / 1			
reaction time	0.150	interval	4.90		10.78			# of strides	11.15	10.78	0.37
		velocity	8.00	10.20	9.28	9.12			8.97	9.28	

2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)

FINAL

	date	21-May-16	wind	0.6m/s	Swiss Athletics (2016) - sprint and hurdle analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Atcho, Sarah (SUI) (1995)	time		11.80	17.43	23.57	23.57		/ 1			
reaction time	interval			5.63	6.14			# of strides	11.80	11.77	0.03
	velocity		8.47	8.88	8.14	8.49			8.47	8.50	

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

Kora, Salomé (SUI) (1994)	time	11.88	17.58	23.92	23.92	/ 2			
reaction time	interval		5.70	6.34		# of strides	11.88	12.04	-0.16
	velocity	8.42	8.77	7.89	8.36		8.42	8.31	

2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)

FINAL

INAL	date	07-May-16	wind	1.0 m/s	Swiss Athletics (2016) - sprint and hurdle analysis						
			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m	
Sprunger, Léa (SUI) (1990)	time		6.44	11.55	17.06	17.06	/ 1				
	reaction time	interval		5.11	5.51	PB	# of strides	11.55		10.62	
	velocity		7.76	9.78	9.07	8.79		8.66		9.42	
Sprunger, Ellen (SUI) (1986)	time		6.46	11.60	17.18	17.18	/ 2				
	reaction time	interval		5.14	5.58	PB	# of strides	11.60		10.72	
	velocity		7.74	9.73	8.96	8.73		8.62		9.33	
Kora, Salomé (SUI) (1994)	time		6.56	11.75	17.29	17.29	/ 3				
	reaction time	interval		5.19	5.54	PB	# of strides	11.75		10.73	
	velocity		7.62	9.63	9.03	8.68		8.51		9.32	
Atcho, Sarah (SUI) (1995)	time		6.58	11.82	17.48	17.48	/ 4				
	reaction time	interval		5.24	5.66	PB	# of strides	11.82		10.90	
	velocity		7.60	9.54	8.83	8.58		8.46		9.17	
Del Ponte, Ajla (SUI) (1996)	time		6.62	11.96	17.72	17.72	/ 5				
	reaction time	interval		5.34	5.76	PB	# of strides	11.96		11.10	
	velocity		7.55	9.36	8.68	8.47		8.36		9.01	
Golay, Joëlle (SUI) (1987)	time		6.86	12.45	18.35	18.35	/ 6				
	reaction time	interval		5.59	5.90		# of strides	12.45		11.49	
	velocity		7.29	8.94	8.47	8.17		8.03		8.70	

2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)

A FINAL

FINAL	date 03-May-16		wind -1.5 m/s		Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Pierre, Barbara (USA) (1987)	time		6.32	11.69	17.52	23.99	23.99	/ 1				
	reaction time	interval		5.37	5.83	6.47		# of strides	11.69	12.30	-0.61	
		velocity		7.91	9.31	8.58	7.73	8.34		8.55	8.13	
Breen, Melissa (AUS) (1990)	time		6.53	11.99	17.81	24.15	24.15	/ 2				
	reaction time	interval		5.46	5.82	6.34		# of strides	11.99	12.16	-0.17	
		velocity		7.66	9.16	8.59	7.89	8.28		8.34	8.22	
Brennan, Monica (AUS) (1994)	time		6.66	12.16	17.91	24.15	24.15	/ 3				
	reaction time	interval		5.50	5.75	6.24		# of strides	12.16	11.99	0.17	
		velocity		7.51	9.09	8.70	8.01	8.28		8.22	8.34	
Ichikawa, Kana (JPN) (1991)	time		6.75	12.26	18.00	24.28	24.28	/ 4				
	reaction time	interval		5.51	5.74	6.28		# of strides	12.26	12.02	0.24	
		velocity		7.41	9.07	8.71	7.96	8.24		8.16	8.32	

B FINAL

FINAL	03-May-16	wind	0.5 m/s	Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Saito, Ami (JPN) (1999)	time	6.78	12.31	17.92	23.96	23.96	/ 1			
reaction time	interval		5.53	5.61	6.04	PB	# of strides	12.31	11.65	0.66
	velocity	7.37	9.04	8.91	8.28	8.35		8.12	8.58	

C FINAL

FINAL	03-May-16	wind	0.1 m/s								Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad							
			50m	100m	150m	200m	Official Time	Lane / Place		0-100m		100-200m		Differential				
	Nagano, Mariko (JPN) (1994)	time	6.60	12.20	18.01	24.30	24.30	/ 1										
		reaction time																
		interval		5.60	5.81	6.29		# of strides		12.20		12.10		0.10				
	velocity		7.58	8.93	8.61	7.95	8.23			8.20		8.26						

2015 IAAF World Championships (Beijing, CHN)

FINAL

date 28-Aug-15 wind 0.2 m/s

Butler (2019) - IAAF world championships - Doha 2019: statistics handbook

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

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Schippers, Dafne (NED) (1992)	time		6.22	11.13	16.17	21.63	21.63	6 / 1			<i>Takahashi (2015)</i>	
	reaction time	0.149		interval	4.91	5.04	5.46	AR	# of strides	11.13	10.50	0.63
			velocity	8.04	10.18	9.92	9.16	9.25	90.5	8.98	9.52	
Thompson, Elaine (JAM) (1992)	time		6.21	11.06	16.12	21.66	21.66	5 / 2			<i>Takahashi (2015)</i>	
	reaction time	0.195		interval	4.85	5.06	5.54	PB	# of strides	11.06	10.60	0.46
			velocity	8.05	10.31	9.88	9.03	9.23	95.5	9.04	9.43	
Campbell-Brown, Veronica (JAM) (1992)	time		6.12	11.04	16.25	21.97	21.97	2 / 3			<i>Takahashi (2015)</i>	
	reaction time	0.142		interval	4.92	5.21	5.72		# of strides	11.04	10.93	0.11
			velocity	8.17	10.16	9.60	8.74	9.10	94.2	9.06	9.15	
McGrone, Candyce (USA) (1989)	time			11.0		22.0	22.01	7 / 4			<i>Butler (2019)</i>	
	reaction time	0.158		interval		11.00	PB	# of strides	11.00	11.00	0.00	
			velocity		9.09		9.09	9.09	96.5	9.09	9.09	
Asher-Smith, Dina (GBR) (1995)	time			11.2		22.1	22.07	4 / 5			<i>Butler (2019)</i>	
	reaction time	0.162		interval		10.90	NR PB	# of strides	11.20	10.90	0.30	
			velocity		8.93		9.17	9.06	92.2	8.93	9.17	
Tarmoh, Jeneba (USA) (1989)	time			11.2		22.3	22.31	8 / 6			<i>Butler (2019)</i>	
	reaction time	0.150		interval		11.10		# of strides	11.20	11.10	0.10	
			velocity		8.93		9.01	8.96	90.2	8.93	9.01	
Lalova-Collio, Ivet (BUL) (1984)	time			11.4		22.4	22.41	3 / 7			<i>Butler (2019)</i>	
	reaction time	0.157		interval		11.00		# of strides	11.40	11.00	0.40	
			velocity		8.77		9.09	8.92	92.2	8.77	9.09	
Simpson, Sherone (JAM) (1984)	time			11.4		22.5	22.50	9 / 8			<i>Butler (2019)</i>	
	reaction time	0.148		interval		11.10		# of strides	11.40	11.10	0.30	
			velocity		8.77		9.01	8.89		8.77	9.01	

Heat 5

date 26-Aug-15 wind 0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time	6.29	11.54	17.16	23.30	23.30	2 / 5			
	reaction time	0.157	interval	5.25	5.62	6.14	# of strides	11.54	11.76	-0.22
	velocity	7.95	9.52	8.90	8.14	8.58	103.7	8.67	8.50	

2015 Japanese National High School Championships (Wakayama, JPN)**FINAL**

date 01-Aug-15

wind -3.4 m/s

Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kawamura, Tomomi (JPN) (1997)	time	6.51	12.20	18.11	24.57	24.57	6 / 1			
	reaction time		interval	5.69	5.91	6.46	# of strides	12.20	12.37	-0.17
	velocity	7.68	8.79	8.46	7.74	8.14		8.20	8.08	
Sugiyama, Sumire (JPN) (1997)	time	6.72	12.44	18.23	24.60	24.60	8 / 2			
	reaction time		interval	5.72	5.79	6.37	# of strides	12.44	12.16	0.28
	velocity	7.44	8.74	8.64	7.85	8.13		8.04	8.22	
Edobar, Iyoba (JPN) (1997)	time	6.70	12.43	18.30	24.71	24.71	3 / 3			
	reaction time		interval	5.73	5.87	6.41	# of strides	12.43	12.28	0.15
	velocity	7.46	8.73	8.52	7.80	8.09		8.05	8.14	
Miyazaki, Amika (JPN) (1998)	time	6.64	12.38	18.26	24.74	24.74	7 / 4			
	reaction time		interval	5.74	5.88	6.48	# of strides	12.38	12.36	0.02
	velocity	7.53	8.71	8.50	7.72	8.08		8.08	8.09	
Shibata, Mie (JPN) (1998)	time	6.67	12.48	18.45	24.79	24.79	4 / 5			
	reaction time		interval	5.81	5.97	6.34	# of strides	12.48	12.31	0.17
	velocity	7.50	8.61	8.38	7.89	8.07		8.01	8.12	
Miyake, Marina (JPN) (1997)	time	6.65	12.42	18.37	24.81	24.81	2 / 6			
	reaction time		interval	5.77	5.95	6.44	# of strides	12.42	12.39	0.03
	velocity	7.52	8.67	8.40	7.76	8.06		8.05	8.07	

Yuasa, Kanako (JPN) (1997)	time	6.65	12.45	18.40	24.89	24.89	9 / 7			
	reaction time		5.80	5.95	6.49		# of strides	12.45	12.44	0.01
	velocity	7.52	8.62	8.40	7.70	8.04		8.03	8.04	
Saito, Manami (JPN) (1999)	time	6.87	12.90	18.85	25.30	25.30	5 / 8			
	reaction time		6.03	5.95	6.45		# of strides	12.90	12.40	0.50
	velocity	7.28	8.29	8.40	7.75	7.91		7.75	8.06	

2015 Windsprint (Sundsvall, SWE)**A FINAL**

FINAL	date	26-Jul-15	wind	0.8 m/s	(2015) - www.windsprint/Splittider/						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hjelmer, Moa (SWE) (1990)	time			12.10		23.57	23.57	3 / 1			
	reaction time		★		★	11.47		# of strides	12.10	11.47	0.63
	velocity		★	8.26		8.72	8.49	★	8.26	8.72	
Williams, Sherika (JAM) 1985)	time			12.10		23.71	23.71	4 / 2			
	reaction time					11.61		# of strides	12.10	11.61	0.49
	velocity			8.26		8.61	8.44		8.26	8.61	
Slettum, Elisabeth (NOR) (1986)	time			12.27		23.92	23.92	6 / 3			
	reaction time					11.65		# of strides	12.27	11.65	0.62
	velocity			8.15		8.58	8.36		8.15	8.58	
Williams, Christania (JAM) (1999)	time			12.25		24.33	24.33	2 / 4			
	reaction time					12.08		# of strides	12.25	12.08	0.17
	velocity			8.16		8.28	8.22		8.16	8.28	
Latvala, Hanna-Maari (FIN) (1988)	time			12.25		24.58	24.58	5 / 5			
	reaction time					12.33		# of strides	12.25	12.33	-0.08
	velocity			8.16		8.11	8.14		8.16	8.11	

B FINAL

FINAL	date	26-Jul-15	wind	1.6 m/s						(2015) - www.windsprint/Splittider/		
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Tornemark, Pernilla (SWE) (1988)	time			12.60		24.80	24.80	4 / 1				
	reaction time	interval				12.20		# of strides	12.60	12.20	0.40	
		velocity		7.94		8.20	8.06		7.94	8.20		
Ström, Malin (SWE) (1986)	time			12.61		24.96	24.96	6 / 2				
	reaction time	interval				12.35		# of strides	12.61	12.35	0.26	
		velocity		7.93		8.10	8.01		7.93	8.10		
Montler, Estelle (SWE) (1991)	time			12.90		25.21	25.21	5 / 3				
	reaction time	interval				12.31		# of strides	12.90	12.31	0.59	
		velocity		7.75		8.12	7.93		7.75	8.12		
Næss, Heidi Hesan (NOR) (1988)	time			12.87		25.37	25.37	3 / 4				
	reaction time	interval				12.50		# of strides	12.87	12.50	0.37	
		velocity		7.77		8.00	7.88		7.77	8.00		

2015 USATF National Championships (Eugene, OR)**FINAL**

NAME	date	28-Jun-14	wind	0.4 m/s				Track Newsletter (2015) - USATF women's championships				
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Prandini, Jenna (USA) (1992)	time				11.3		22.2	22.20	/ 1			
	reaction time						10.90	PB	# of strides	11.30	10.90	0.40
	velocity				8.85		9.17	9.01		8.85	9.17	
McGrone, Candyce (USA) (1989)	time				11.5		22.4	22.38	/ 2			
	reaction time						10.90	PB	# of strides	11.50	10.90	0.60
	velocity				8.70		9.17	8.94		8.70	9.17	
Tarmoh, Jeneba (USA) (1989)	time				11.3		22.4	22.44	/ 3			
	reaction time						11.10		# of strides	11.30	11.10	0.20
	velocity				8.85		9.01	8.91		8.85	9.01	
Whitney, Kaylin (USA) (1998)	time				11.4		22.5	22.47	/ 4			

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

reaction time	interval		11.10	WYR PB	# of strides	11.40	11.10	0.30
	velocity	8.77	9.01	8.90		8.77	9.01	
Bryant, Dezerea (USA) (1993)	time	11.4	22.5	22.48	/ 5			
reaction time	interval		11.10		# of strides	11.40	11.10	0.30
	velocity	8.77	9.01	8.90		8.77	9.01	
Jefferson, Kyra (USA) (1994)	time	11.5	22.6	22.56	/ 5			
reaction time	interval		11.10		# of strides	11.50	11.10	0.40
	velocity	8.70	9.01	8.87		8.70	9.01	
Lee, Muna (USA) (1981)	time	11.5	22.6	22.60	/ 7			
reaction time	interval		11.10		# of strides	11.50	11.10	0.40
	velocity	8.70	9.01	8.85		8.70	9.01	
Williams, Charonda (USA) (1987)	time	11.5	22.7	22.74	/ 8			
reaction time	interval		11.20		# of strides	11.50	11.20	0.30
	velocity	8.70	8.93	8.80		8.70	8.93	

2015 Japanese National Championships (Niigata, JPN)

FINAL

		date	27-Jun-15	wind	0.1 m/s	Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time			6.40	11.67	17.21	23.23	23.23	4 / 1			
	reaction time	0.149	interval		5.27	5.54	6.02		# of strides	11.67	11.56	0.11
			velocity	7.81	9.49	9.03	8.31	8.61	103.0	8.57	8.65	
Fujisawa, Sayaka (JPN) (1991)	time			6.70	12.10	17.70	23.81	23.81	6 / 2			
	reaction time	0.178	interval		5.40	5.60	6.11	PB	# of strides	12.10	11.71	0.39
			velocity	7.46	9.26	8.93	8.18	8.40	102.0	8.26	8.54	
Ichikawa, Kana (JPN) (1991)	time			6.79	12.25	17.85	24.07	24.07	7 / 3			
	reaction time	0.151	interval		5.46	5.60	6.22		# of strides	12.25	11.82	0.43
			velocity	7.36	9.16	8.93	8.04	8.31	97.5	8.16	8.46	
Nakamura, Mitsugi (JPN) (1996)	time			6.67	12.17	17.85	24.22	24.22	8 / 4			
	reaction time	0.157	interval		5.50	5.68	6.37		# of strides	12.17	12.05	0.12
			velocity	7.50	9.09	8.80	7.85	8.26	98.0	8.22	8.30	
Eguchi, Kotomi (JPN) (1997)	time			6.78	12.32	18.05	24.28	24.28	3 / 5			
	reaction time	0.182	interval		5.54	5.73	6.23		# of strides	12.32	11.96	0.36
			velocity	7.37	9.03	8.73	8.03	8.24	106.0	8.12	8.36	
Nakano, Makoto (JPN) (1997)	time			6.65	12.20	17.98	24.38	24.38	2 / 6			
	reaction time	0.164	interval		5.55	5.78	6.40		# of strides	12.20	12.18	0.02
			velocity	7.52	9.01	8.65	7.81	8.20	112.0	8.20	8.21	
Banno, Rio (JPN) (1990)	time			6.75	12.35	18.15	24.41	24.41	9 / 7			
	reaction time	0.156	interval		5.60	5.80	6.26		# of strides	12.35	12.06	0.29
			velocity	7.41	8.93	8.62	7.99	8.19	98.7	8.10	8.29	
Aoyama, Seika (JPN) (1996)	time			7.08	12.79	18.53	24.81	24.81	5 / 8			
	reaction time	0.245	interval		5.71	5.74	6.28		# of strides	12.79	12.02	0.77
			velocity	7.06	8.76	8.71	7.96	8.06	102.0	7.82	8.32	

2015 NCAA Championships (Eugene, OR)

FINAL

		date	13-Jun-15	wind	1.9 m/s	Track Newsletter (2015) - NCAA women's championships						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Bryant, Dezerea (USA) (1993)	time				11.3		22.2	22.18	6 / 1			
	reaction time		interval				10.90	PB	# of strides	11.30	10.90	0.40
			velocity		8.85		9.17	9.02		8.85	9.17	
Prandini, Jenna (USA) (1992)	time				11.3		22.2	22.21	3 / 2			
	reaction time		interval				10.90	PB	# of strides	11.30	10.90	0.40
			velocity		8.85		9.17	9.00		8.85	9.17	

Brown, Kamaria (USA) (1992)	time	11.4	22.2	22.24	5 / 3			
	reaction time				# of strides	11.40	10.80	0.60
	interval		10.80	PB				
Jefferson, Kyra (USA) (1994)	time	11.5	22.2	22.24	4 / 4			
	reaction time				# of strides	11.50	10.70	0.80
	interval		10.70	PB				
Akinosun, Morolake (USA) (1999)	time	11.7	22.5	22.52	7 / 5			
	reaction time				# of strides	11.70	10.80	0.90
	interval		10.80	PB				
Brown, Aaliyah (USA) (1995)	time	11.7	22.8	22.76	/ 6			
	reaction time				# of strides	11.70	11.10	0.60
	interval		11.10	PB				
White, Cierra (USA) (1993)	time	11.7	22.9	22.94	/ 7			
	reaction time				# of strides	11.70	11.20	0.50
	interval		11.20					
Martin, Jada (USA) (1995)	time	11.8	23.0	22.97	/ 8			
	reaction time				# of strides	11.80	11.20	0.60
	interval		11.20					
	velocity	8.77	9.26	8.99		8.77	9.26	
	velocity	8.55	9.26	8.88		8.55	9.26	
	velocity	8.55	9.01	8.79		8.55	9.01	
	velocity	8.55	8.93	8.72		8.55	8.93	
	velocity	8.47	8.93	8.71		8.47	8.93	

2015 Seiko Golden Grand Prix (Kawasaki, JPN)

FINAL

NAME	date	10-May-15	wind 1.0 m/s			Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Facey, Simone (JAM) (1985)	time		6.27	11.44	16.85	22.65	22.65	4 / 1			
	reaction time	interval		5.17	5.41	5.80		# of strides	11.44	11.21	0.23
		velocity	7.97	9.67	9.24	8.62	8.83		8.74	8.92	
Townsend, Tiffany (USA) (1989)	time		6.42	11.61	16.99	22.85	22.85	5 / 2			
	reaction time	interval		5.19	5.38	5.86		# of strides	11.61	11.24	0.37
		velocity	7.79	9.63	9.29	8.53	8.75		8.61	8.90	
Ta Lou, Marie Josée (CIV) (1988)	time		6.37	11.57	17.02	22.88	22.88	2 / 3			
	reaction time	interval		5.20	5.45	5.86		# of strides	11.57	11.31	0.26
		velocity	7.85	9.62	9.17	8.53	8.74		8.64	8.84	
Fukushima, Chisato (JPN) (1988)	time		6.26	11.52	17.08	23.11	23.11	6 / 4			
	reaction time	interval		5.26	5.56	6.03		# of strides	11.52	11.59	-0.07
		velocity	7.99	9.51	8.99	8.29	8.65	101.0	8.68	8.63	
Renzhina, Yekaterina (RUS) (1991)	time		6.42	11.72	17.32	23.23	23.23	3 / 5			
	reaction time	interval		5.30	5.60	5.91		# of strides	11.72	11.51	0.21
		velocity	7.79	9.43	8.93	8.46	8.61		8.53	8.69	
Safronova, Olga (KAZ) (1991)	time		6.45	11.74	17.40	23.74	23.74	7 / 6			
	reaction time	interval		5.29	5.66	6.34		# of strides	11.74	12.00	-0.26
		velocity	7.75	9.45	8.83	7.89	8.42	95.7	8.52	8.33	
Moore, LaShauntea (USA) (1988)	time		6.60	11.97	17.63	23.79	23.79	1 / 7			
	reaction time	interval		5.37	5.66	6.16		# of strides	11.97	11.82	0.15
		velocity	7.58	9.31	8.83	8.12	8.41		8.35	8.46	
Ichikawa, Kana (JPN) (1991)	time		6.69	12.20	17.84	23.88	23.88	8 / 8			
	reaction time	interval		5.51	5.64	6.04		# of strides	12.20	11.68	0.52
		velocity	7.47	9.07	8.87	8.28	8.38		8.20	8.56	

2015 Mikio Oda Memorial (Hiroshima, JPN)

FINAL

INAL	date	18-Apr-15	wind	1.7 m/s	Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time		6.34	11.73	17.36	23.54	23.54	4 / 1			
	reaction time	interval		5.39	5.63	6.18		# of strides	11.73	11.81	-0.08
		velocity	7.89	9.28	8.88	8.09	8.50	99.5	8.53	8.47	

Ichikawa, Kana (JPN) (1991)	time	6.73	12.22	17.88	24.01	24.01	6 / 2			
	reaction time	interval	5.49	5.66	6.13		# of strides	12.22	11.79	0.43
	velocity	7.43	9.11	8.83	8.16	8.33	96.7	8.18	8.48	
Doi, Anna (JPN) (1995)	time	6.58	12.05	17.78	24.02	24.02	5 / 3			
	reaction time	interval	5.47	5.73	6.24		# of strides	12.05	11.97	0.08
	velocity	7.60	9.14	8.73	8.01	8.33	106.2	8.30	8.35	
Fujisawa, Sayaka (JPN) (1991)	time	6.81	12.37	18.05	24.11	24.11	3 / 4			
	reaction time	interval	5.56	5.68	6.06		# of strides	12.37	11.74	0.63
	velocity	7.34	8.99	8.80	8.25	8.30	102.2	8.08	8.52	
Banno, Rio (JPN) (1990)	time	6.80	12.44	18.29	24.40	24.40	8 / 5			
	reaction time	interval	5.64	5.85	6.11		# of strides	12.44	11.96	0.48
	velocity	7.35	8.87	8.55	8.18	8.20	98.0	8.04	8.36	
Kim Min-Ji (KOR) (1990)	time	6.71	12.33	18.20	24.47	24.47	7 / 6			
	reaction time	interval	5.62	5.87	6.27		# of strides	12.33	12.14	0.19
	velocity	7.45	8.90	8.52	7.97	8.17	103.0	8.11	8.24	
Wada, Maki (JPN) (1986)	time	6.67	12.33	18.23	24.63	24.63	1 / 7			
	reaction time	interval	5.66	5.90	6.40		# of strides	12.33	12.30	0.03
	velocity	7.50	8.83	8.47	7.81	8.12	105.5	8.11	8.13	
Miyake, Naoka (JPN) (1991)	time	6.88	12.63	18.55	24.92	24.92	2 / 8			
	reaction time	interval	5.75	5.92	6.37		# of strides	12.63	12.29	0.34
	velocity	7.27	8.70	8.45	7.85	8.03	103.7	7.92	8.14	

2014 IAAF World Junior Championships (Eugene, OR)

FINAL

		date	25-Jul-14	wind	2.4 m/s	Track Newsletter (2014) - World Junior championships women						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Whitney, Kaylin (USA) (1998)	time				11.5		22.8	22.82	3 / 1			
	reaction time	0.182	interval				11.30		# of strides	11.50	11.30	0.20
	velocity				8.70		8.85	8.76		8.70	8.85	
Ekelund, Irene (SWE) (1997)	time				11.7		23.0	22.97	4 / 2			
	reaction time	0.190	interval				11.30		# of strides	11.70	11.30	0.40
	velocity				8.55		8.85	8.71		8.55	8.85	
Tenorio, Angela (ECU) (1996)	time				11.6		23.1	23.15	6 / 3			
	reaction time	0.167	interval				11.50		# of strides	11.60	11.50	0.10
	velocity				8.62		8.70	8.64		8.62	8.70	
Hylton, Shannon (GBR) (1996)	time				11.6		23.3	23.25	8 / 4			
	reaction time	0.173	interval				11.70		# of strides	11.60	11.70	-0.10
	velocity				8.62		8.55	8.60		8.62	8.55	
Martin, Jada (USA) (1995)	time				11.9		23.4	23.35	7 / 5			
	reaction time	0.164	interval				11.50		# of strides	11.90	11.50	0.40
	velocity				8.40		8.70	8.57		8.40	8.70	
Gandulla, Arealis (CUB) (1995)	time				11.9		23.5	23.45	5 / 6			
	reaction time	0.261	interval				11.60		# of strides	11.90	11.60	0.30
	velocity				8.40		8.62	8.53		8.40	8.62	
Whyte, Natalliah (JAM) (1997)	time				11.8		23.5	23.48	1 / 7			
	reaction time	0.210	interval				11.70		# of strides	11.80	11.70	0.10
	velocity				8.47		8.55	8.52		8.47	8.55	
Lückenkemper, Gina (GER) (199)	time				12.2		23.5	23.50	2 / 8			
	reaction time	0.311	interval				11.30		# of strides	12.20	11.30	0.90
	velocity				8.20		8.85	8.51		8.20	8.85	

2014 Windsprint (Sundsvall, SWE)

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

A FINAL

date 20-Jul-14

wind 2.7 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Williams, Christania (JAM) (1999)	time		11.81		23.22	23.22	4 / 1			
	reaction time				11.41		# of strides	11.81	11.41	0.40
	velocity		8.47		8.76	8.61		8.47	8.76	
Okparaebo, Ezinne (NOR) (1988)	time		11.69		23.69	23.69	3 / 2			
	reaction time				12.00		# of strides	11.69	12.00	-0.31
	velocity		8.55		8.33	8.44		8.55	8.33	
Nilsson, Pernilla (SWE) (1992)	time		12.16		23.94	23.94	2 / 3			
	reaction time				11.78		# of strides	12.16	11.78	0.38
	velocity		8.22		8.49	8.35		8.22	8.49	
Jensen, Christine (NOR) (1994)	time		12.38		24.36	24.36	6 / 4			
	reaction time				11.98		# of strides	12.38	11.98	0.40
	velocity		8.08		8.35	8.21		8.08	8.35	

B FINAL

date 20-Jul-14

wind 1.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Slettum, Elisabeth (NOR) (1986)	time		12.49		24.11	24.11	4 / 1			
	reaction time				11.62		# of strides	12.49	11.62	0.87
	velocity		8.01		8.61	8.30		8.01	8.61	
Bamane, Gladys (SWE) (1989)	time		12.55		24.62	24.62	2 / 2			
	reaction time				12.07	PB	# of strides	12.55	12.07	0.48
	velocity		7.97		8.29	8.12		7.97	8.29	
Tornemark, Pernilla (SWE) (1988)	time		12.55		24.81	24.81	3 / 3			
	reaction time				12.26		# of strides	12.55	12.26	0.29
	velocity		7.97		8.16	8.06		7.97	8.16	
Tomb, Stine (NOR) (1986)	time		12.71		25.33	25.33	5 / 4			
	reaction time				12.62		# of strides	12.71	12.62	0.09
	velocity		7.87		7.92	7.90		7.87	7.92	

C FINAL

date 20-Jul-14

wind 1.6 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Morgan, Lynette (SWE) (1991)	time		12.65		24.55	24.55	5 / 1			
	reaction time				11.90	PB	# of strides	12.65	11.90	0.75
	velocity		7.91		8.40	8.15		7.91	8.40	
Hellberg-Jonsén, Sofia (SWE) (1991)	time		12.52		25.07	25.07	2 / 2			
	reaction time				12.55		# of strides	12.52	12.55	-0.03
	velocity		7.99		7.97	7.98		7.99	7.97	
Grønneberg, Alvide (NOR) (1993)	time		12.86		25.15	25.15	4 / 3			
	reaction time				12.29		# of strides	12.86	12.29	0.57
	velocity		7.78		8.14	7.95		7.78	8.14	
Hässel, Julia (SWE) (1994)	time		12.65		25.16	25.16	3 / 4			
	reaction time				12.51		# of strides	12.65	12.51	0.14
	velocity		7.91		7.99	7.95		7.91	7.99	

D FINAL

date 20-Jul-14

wind 2.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Samuelsson, Jessica (SWE) (1991)	time		12.59		24.57	24.57	4 / 1			
	reaction time				11.98		# of strides	12.59	11.98	0.61
	velocity		7.94		8.35	8.14		7.94	8.35	
Johansson, Malin (SWE) (1992)	time		12.76		24.92	24.92	2 / 2			
	reaction time				12.16	PB	# of strides	12.76	12.16	0.60
	velocity		7.84		8.22	8.03		7.84	8.22	
Sönnerfors, Marie (SWE) (1993)	time		12.85		25.31	25.31	5 / 3			

reaction time	interval	12.46	# of strides	12.85	12.46	0.39
velocity	7.78	8.03	7.90	7.78	8.03	
Evensen, Marianne (NOR) (1996)	time	13.34	26.33	26.33	3 / 4	
reaction time	interval	12.99	# of strides	13.34	12.99	0.35
velocity	7.50	7.70	7.60	7.50	7.70	

E FINAL

date 20-Jul-14 wind 1.3 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Næss, Heidi Hessian (NOR) (1988)	time		13.14		25.42	25.42	5 / 1			
	reaction time				12.28		# of strides	13.14	12.28	0.86
	velocity		7.61		8.14	7.87		7.61	8.14	
Brubak, Mari Gilde (NOR) (1990)	time		13.10		25.51	25.51	3 / 2			
	reaction time				12.41		# of strides	13.10	12.41	0.69
	velocity		7.63		8.06	7.84		7.63	8.06	
Jansson, Ida (SWE) (1995)	time		13.08		25.67	25.67	4 / 3			
	reaction time				12.59		# of strides	13.08	12.59	0.49
	velocity		7.65		7.94	7.79		7.65	7.94	
Ullgren, Moa (SWE) (1996)	time		13.17		26.30	26.30	2 / 4			
	reaction time				13.13		# of strides	13.17	13.13	0.04
	velocity		7.59		7.62	7.60		7.59	7.62	

F FINAL

date 20-Jul-14 wind 0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Wallström, Frida (SWE) (1995)	time		13.50		27.22	27.22	3 / 1			
	reaction time	interval			13.72	PB	# of strides	13.50	13.72	-0.22
		velocity		7.41		7.29	7.35	7.41	7.29	
Sögnese, Emelie (NOR) (1994)	time		13.73		27.94	27.94	4 / 2			
	reaction time	interval			14.21		# of strides	13.73	14.21	-0.48
		velocity		7.28		7.04	7.16	7.28	7.04	
Jirhed, Josefine (SWE) (1995)	time		13.95		28.00	28.00	2 / 3			
	reaction time	interval			14.05	PB	# of strides	13.95	14.05	-0.10
		velocity		7.17		7.12	7.14	7.17	7.12	

2014 USATF National Championships (Sacramento, CA)**FINAL**

date 29-Jun-14 wind 3.8 m/s

Track Newsletter (2014) - USATF women's championships

	Date	Event	Time	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tarmoh, Jeneba (USA)(1989)	time				11.3		22.1	22.06	/ 1			
	reaction time	0.152	interval				10.80		# of strides	11.30	10.80	0.50
			velocity		8.85		9.26	9.07		8.85	9.26	
Duncan, Kimberlyn (USA) (1991)	time				11.5		22.1	22.10	/ 2			
	reaction time	0.182	interval				10.60		# of strides	11.50	10.60	0.90
			velocity		8.70		9.43	9.05		8.70	9.43	
Atkins, Joanna (USA) (1989)	time				11.4		22.2	22.19	/ 3			
	reaction time	0.183	interval				10.80		# of strides	11.40	10.80	0.60
			velocity		8.77		9.26	9.01		8.77	9.26	
Solomon, Shalonda (USA) (1988)	time				11.6		22.5	22.54	/ 4			
	reaction time	0.164	interval				10.90		# of strides	11.60	10.90	0.70
			velocity		8.62		9.17	8.87		8.62	9.17	
Jones, Mahagony (USA) (1990)	time				11.7		22.6	22.64	/ 5			
	reaction time	0.163	interval				10.90		# of strides	11.70	10.90	0.80
			velocity		8.55		9.17	8.83		8.55	9.17	
Meadows, Tawanna (USA) (1988)	time				11.8		22.9	22.90	/ 6			
	reaction time	0.246	interval				11.10		# of strides	11.80	11.10	0.70
			velocity		8.47		9.01	8.73		8.47	9.01	

Knight, Bianca (USA) (1989)	time	11.7	22.9	22.93	/ 7			
reaction time	0.188	interval	11.20		# of strides	11.70	11.20	0.50
		velocity	8.55	8.93	8.72	8.55	8.93	
White, Cierra (USA) (1993)	time	11.9	23.1	23.13	/ 8			
reaction time	0.161	interval	11.20		# of strides	11.90	11.20	0.70
		velocity	8.40	8.93	8.65	8.40	8.93	

2014 NCAA Championships (Eugene, OR)

FINAL

	date	14-Jun-14	wind	2.2 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Brown, Kamaria (USA) (1992)	time		★	11.6	★	22.6	22.63	★ 5 / 1				
reaction time						11.00		# of strides	11.60	11.00	0.60	
				8.62		9.09	8.84		8.62	9.09		
Prandini, Jenna (USA) (1992)	time			11.5		22.6	22.63	4 / 2				
reaction time						11.10		# of strides	11.50	11.10	0.40	
				8.70		9.01	8.84		8.70	9.01		
Ekponé, Olivia (USA) (1993)	time			11.8		22.6	22.64	2 / 3				
reaction time						10.80		# of strides	11.80	10.80	1.00	
				8.47		9.26	8.83		8.47	9.26		
Jones, Mahagony (USA) (1990)	time			11.8		22.7	22.68	/ 4				
reaction time						10.90		# of strides	11.80	10.90	0.90	
				8.47		9.17	8.82		8.47	9.17		
Akinosun, Morolake (USA) (199)	time			11.9		22.9	22.89	/ 5				
reaction time						11.00		# of strides	11.90	11.00	0.90	
				8.40		9.09	8.74		8.40	9.09		
Gaither, Tynia (BAH) (1993)			no information available				23.05	/ 6		# of strides		
Fields, Ashley (USA) (1993)	time			12.1		23.2	23.20	/ 7				
reaction time						11.10		# of strides	12.10	11.10	1.00	
				8.26		9.01	8.62		8.26	9.01		
White, Cierra (USA) (1993)	time			11.9		23.3	23.33	/ 8				
reaction time						11.40		# of strides	11.90	11.40	0.50	
				8.40		8.77	8.57		8.40	8.77		

2013 IAAF World Championships (Moscow, RUS)

FINAL

	date	16-Aug-13	wind	-0.3 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Fraser-Pryce, Shelly-Ann (JAM) (1986)	time			11.2		22.2	22.17	4 / 1				
reaction time	0.156	interval				11.00		# of strides	11.20	11.00	0.20	
		velocity		8.93		9.09	9.02	100.5	8.93	9.09		
Ahouré, Murielle (CIV) (1987)	time			11.3		22.3	22.32	6 / 2				
reaction time	0.180	interval				11.00		# of strides	11.30	11.00	0.30	
		velocity		8.85		9.09	8.96	99.2	8.85	9.09		
Okagbare, Blessing (NGR) (1988)	time			11.3		22.3	22.32	5 / 3				
reaction time	0.154	interval				11.00		# of strides	11.30	11.00	0.30	
		velocity		8.85		9.09	8.96	90.5	8.85	9.09		
Miller, Shaunae (BAH) (1994)	time			11.7		22.7	22.74	7 / 4				
reaction time	0.146	interval				11.00		# of strides	11.70	11.00	0.70	
		velocity		8.55		9.09	8.80	90.2	8.55	9.09		
Tarmoh, Jeneba (USA) (1989)	time			11.5		22.8	22.78	1 / 5				
reaction time	0.161	interval				11.30		# of strides	11.50	11.30	0.20	
		velocity		8.70		8.85	8.78	94.5	8.70	8.85		

Williams, Charonda (USA) (1987)	11.6	22.8	22.81	2 / 6			
reaction time	0.155	interval	11.20	# of strides	11.60	11.20	0.40
velocity	8.62	8.93	8.77	96.2	8.62	8.93	
Ryemyen, Mariya (UKR) (1987)	11.6	22.8	22.84	8 / 7			
reaction time	0.197	interval	11.20	# of strides	11.60	11.20	0.40
velocity	8.62	8.93	8.76	98.2	8.62	8.93	
Felix, Allyson (USA) (1985)	0.181	no information available		dnf	3 / --		

2013 Windsprint (Sundsvall, SWE)

A FINAL

date 28-Jul-13		wind 1.6 m/s						(2013) - www.ssg.se/windsprint/Splittider/		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Morrison, Natasha (JAM) (1992)	time	11.68	17.10	23.08	23.08	23.08	2 / 1			
reaction time	interval		5.42	5.98			# of strides	11.68	11.40	0.28
velocity	velocity	8.56	9.23	8.36	8.67			8.56	8.77	
Lee, Muna (USA) (1981)	time	11.96	17.41	23.20	23.20	23.20	3 / 2			
reaction time	interval		5.45	5.79			# of strides	11.96	11.24	0.72
velocity	velocity	8.36	9.17	8.64	8.62			8.36	8.90	
Hjelmar, Moa (SWE) (1990)	time	11.91	17.43	23.28	23.28	23.28	4 / 3			
reaction time	interval		5.52	5.85			# of strides	11.91	11.37	0.54
velocity	velocity	8.40	9.06	8.55	8.59			8.40	8.80	
Katsura, Yuliya (RUS) (1983)	time	12.01	17.71	23.83	23.83	23.83	6 / 4			
reaction time	interval		5.70	6.12			# of strides	12.01	11.82	0.19
velocity	velocity	8.33	8.77	8.17	8.39			8.33	8.46	
Thomas, Vashti (USA) (1990)	time	12.21	18.14	24.55	24.55	24.55	5 / 5			
reaction time	interval		5.93	6.41			# of strides	12.21	12.34	-0.13
velocity	velocity	8.19	8.43	7.80	8.15			8.19	8.10	

B FINAL

date 28-Jul-13		wind -0.1 m/s						(2013) - www.ssg.se/windsprint/Splittider/		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Russell, Carrie (JAM) (1990)	time	11.71	17.28	23.44	23.44	23.44	4 / 1			
reaction time	interval		5.57	6.16			# of strides	11.71	11.73	-0.02
velocity	velocity	8.54	8.98	8.12	8.53			8.54	8.53	
Foster, Amy (IRL) (1988)	time	12.05	17.62	23.61	23.61	23.61	5 / 2			
reaction time	interval		5.57	5.99			# of strides	12.05	11.56	0.49
velocity	velocity	8.30	8.98	8.35	8.47			8.30	8.65	
Slettum, Elisabeth (NOR) (1986)	time	12.10	17.68	23.62	23.62	23.62	3 / 3			
reaction time	interval		5.58	5.94			# of strides	12.10	11.52	0.58
velocity	velocity	8.26	8.96	8.42	8.47			8.26	8.68	
Busk, Daniella (SWE) (1993)	time	12.18	17.82	23.99	23.99	23.99	6 / 4			
reaction time	interval		5.64	6.17			# of strides	12.18	11.81	0.37
velocity	velocity	8.21	8.87	8.10	8.34			8.21	8.47	

2013 Czech Republic National Championships (Tábor, CZE)

FINAL

date 16-Jun-13		wind 0.3 m/s	Feher (2013) - Final report from men's & women's Czech Republic national champs							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Rosolová, Denisa (CZE) (1986)	time	6.54	11.78	17.33	23.25	23.25	5 / 1			
reaction time	0.205	interval	5.24	5.55	5.92		# of strides	11.78	11.47	0.31
velocity	velocity	7.65	9.54	9.01	8.45	8.60		8.49	8.72	
Čechová, Katerina (CZE) (1988)	time	6.43	11.73	17.30	23.40	23.40	3 / 2			
reaction time	0.161	interval	5.30	5.57	6.10	PB	# of strides	11.73	11.67	0.06
velocity	velocity	7.78	9.43	8.98	8.20	8.55		8.53	8.57	
Hejnová, Zuzana (CZE) (1986)	time	6.65	12.00	17.62	23.65	23.65	4 / 3			
reaction time	0.134	interval	5.35	5.62	6.03	PB	# of strides	12.00	11.65	0.35
velocity	velocity	7.52	9.35	8.90	8.29	8.46		8.33	8.58	

Schmidová, Martina (CZE) (1991)	time	6.72	12.53	17.84	23.97	23.97	7 / 4			
reaction time	0.241	interval	5.81	5.31	6.13	PB	# of strides	12.53	11.44	1.09
		velocity	7.44	8.61	9.42	8.16	8.34	7.98	8.74	
Seidlová, Klára (CZE) (1994)	time	6.67	12.14	17.89	24.12	24.12	2 / 5			
reaction time	0.144	interval	5.47	5.75	6.23		# of strides	12.14	11.98	0.16
		velocity	7.50	9.14	8.70	8.03	8.29	8.24	8.35	
Hrívnová, Pavla (CZE) (1986)	time	6.89	12.12	18.38	24.61	24.61	8 / 6			
reaction time	0.238	interval	5.23	6.26	6.23		# of strides	12.12	12.49	-0.37
		velocity	7.26	9.56	7.99	8.03	8.13	8.25	8.01	
Sotáková, Jana (CZE) (1993)	time	6.82	12.43	18.39	24.91	24.91	1 / 7			
reaction time	0.153	interval	5.61	5.96	6.52		# of strides	12.43	12.48	-0.05
		velocity	7.33	8.91	8.39	7.67	8.03	8.05	8.01	

Heat 3

Heat 3

		date	16-Jun-13	wind	-0.3 m/s	Feher (2013) - Final report from men's & women's Czech Republic national champs						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hejnová, Zuzana (CZE) (1986)	time			6.74	12.15	17.83	23.99	23.99	4 / 1			
	reaction time	0.156	interval		5.41	5.68	6.16		# of strides	12.15	11.84	0.31
			velocity		7.42	9.24	8.80	8.12	8.34		8.23	8.45
Procházková, Barbora (CZE) (1985)	time			6.64	12.05	18.39	24.06	24.06	5 / 2			
	reaction time	0.215	interval		5.41	6.34	5.67		# of strides	12.05	12.01	0.04
			velocity		7.53	9.24	7.89	8.82	8.31		8.30	8.33
Sotáková, Jana (CZE) (1993)	time			6.90	12.45	18.34	24.75	24.75	6 / 3			
	reaction time	0.223	interval		5.55	5.89	6.41		# of strides	12.45	12.30	0.15
			velocity		7.25	9.01	8.49	7.80	8.08		8.03	8.13
Janoušová, Jana (CZE) (1995)	time			6.72	12.39	18.30	25.02	25.02	2 / 4			
	reaction time	0.176	interval		5.67	5.91	6.72		# of strides	12.39	12.63	-0.24
			velocity		7.44	8.82	8.46	7.44	7.99		8.07	7.92
Mazáčová, Iveta (CZE) (1986)	time			6.67	12.29	17.85	25.04	25.04	3 / 5			
	reaction time	0.241	interval		5.62	5.56	7.19		# of strides	12.29	12.75	-0.46
			velocity		7.50	8.90	8.99	6.95	7.99		8.14	7.84

Heat 2

Heat 2

	date	16-Jun-13	wind	-1.1 m/s	Feher (2013) - Final report from men's & women's Czech Republic national champs							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Rosolová, Denisa (CZE) (1986)	time		6.62	11.94	17.68	24.04	24.04	4 / 1				
	reaction time	0.231	interval		5.32	5.74	6.36		# of strides	11.94	12.10	-0.16
			velocity		7.55	9.40	8.71	7.86	8.32	8.38	8.26	
Hrůnová, Pavla (CZE) (1986)	time		6.94	12.50	18.37	24.83	24.83	5 / 2				
	reaction time	0.255	interval		5.56	5.87	6.46		# of strides	12.50	12.33	0.17
			velocity		7.20	8.99	8.52	7.74	8.05	8.00	8.11	
Humpolíková, Pavla (CZE) (1985)	time		7.05	12.69	18.67	25.10	25.10	6 / 3				
	reaction time	0.268	interval		5.64	5.98	6.43		# of strides	12.69	12.41	0.28
			velocity		7.09	8.87	8.36	7.78	7.97	7.88	8.06	
Hofmanová, Martina (CZE) (1991)	time		6.86	12.50	18.55	25.12	25.12	7 / 4				
	reaction time	0.223	interval		5.64	6.05	6.57		# of strides	12.50	12.62	-0.12
			velocity		7.29	8.87	8.26	7.61	7.96	8.00	7.92	
Boríková, Michaela (CZE) (1995)	time		6.91	12.67	18.76	25.38	25.38	2 / 5				
	reaction time	0.192	interval		5.76	6.09	6.62		# of strides	12.67	12.71	-0.04
			velocity		7.24	8.68	8.21	7.55	7.88	7.89	7.87	
Novotná, Lenka (CZE) (1997)	time		7.28	13.18	19.46	26.36	26.36	8 / 6				
	reaction time	0.277	interval		5.90	6.28	6.90		# of strides	13.18	13.18	0.00
			velocity		6.87	8.47	7.96	7.25	7.59	7.59	7.59	

Heat 1

date 16-Jun-13 wind -1.2 m/s Feher (2013) - Final report from men's & women's Czech Republic national champs
 WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Čechová, Katerina (CZE) (1988)	time	6.45	11.81	17.63	24.21	24.21	4 / 1			
	reaction time	0.165	interval	5.36	5.82	6.58	# of strides	11.81	12.40	-0.59
	velocity	7.75	9.33	8.59	7.60	8.26		8.47	8.06	
Schmidová, Martina (CZE) (1990)	time	6.77	12.21	18.02	24.38	24.38	5 / 2			
	reaction time	0.305	interval	5.44	5.81	6.36	# of strides	12.21	12.17	0.04
	velocity	7.39	9.19	8.61	7.86	8.20		8.19	8.22	
Seidlová, Klára (CZE) (1994)	time	6.67	12.20	18.03	24.46	24.46	3 / 3			
	reaction time	0.159	interval	5.53	5.83	6.43	# of strides	12.20	12.26	-0.06
	velocity	7.50	9.04	8.58	7.78	8.18		8.20	8.16	
Táborská, Monika (CZE) (1988)	time	6.68	12.20	18.19	24.81	24.81	2 / 4			
	reaction time	0.160	interval	5.52	5.99	6.62	# of strides	12.20	12.61	-0.41
	velocity	7.49	9.06	8.35	7.55	8.06		8.20	7.93	
Štychová, Martina (CZE) (1992)	time	7.04	12.73	18.77	25.32	25.32	6 / 5			
	reaction time	0.214	interval	5.69	6.04	6.55	# of strides	12.73	12.59	0.14
	velocity	7.10	8.79	8.28	7.63	7.90		7.86	7.94	
Mrnová, Markéta (CZE) (1991)	time	7.09	12.87	19.05	25.73	25.73	8 / 6			
	reaction time	0.286	interval	5.78	6.18	6.68	# of strides	12.87	12.86	0.01
	velocity	7.05	8.65	8.09	7.49	7.77		7.77	7.78	
Chládková, Denisa (CZE) (1995)	time	6.98	12.72	18.93	25.93	25.93	7 / 7			
	reaction time	0.295	interval	5.74	6.21	7.00	# of strides	12.72	13.21	-0.49
	velocity	7.16	8.71	8.05	7.14	7.71		7.86	7.57	

2013 European U23 Championships (Tampere, FIN)**FINAL**date 13-Jun-13 wind -0.5 m/s FIDAL - Centro Studi & Ricerche (2013) - www.youtube.com/watch?v=MpQ2zdXjX-w

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hooper, Gloria (ITA) (1992)	time	6.53	11.85	17.28	23.27	23.24	5 / 3			
	reaction time	0.204	interval	5.32	5.43	5.99	# of strides	11.85	11.42	0.43
	velocity	7.66	9.40	9.21	8.35	8.61		8.44	8.76	

2013 Great CityGames (Manchester, GBR) (150m straightaway)Jalava (2013) - www.tilastopaja.org**FINAL**

date 25-May-13 wind 0.2 m/s Minshull (2013) - world bests for shakes-draxton and felix in manchester

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Felix, Allyson (USA) (1985)	time	6.16	11.05	16.36	16.36	2 / 1			Jalava (2013)
	reaction time		interval	4.89	WB	# of strides	11.05		10.20
	velocity	8.12	10.22	9.42	9.17		9.05		9.80
Onuora, Anyika (GBR) (1984)	time		11.20	16.63	16.63	1 / 2			Minshull (2013)
	reaction time		interval	5.43	PB	# of strides	11.20		
	velocity		8.93	9.21	9.02		8.93		
Williams, Lauryn (USA) (1983)	time		11.20	16.64	16.64	3 / 3			Minshull (2013)
	reaction time		interval	5.44	PB	# of strides	11.20		
	velocity		8.93	9.19	9.01		8.93		
Williams, Jodie (GBR) (1993)	time		11.32	16.81	16.81	4 / 4			Minshull (2013)
	reaction time		interval	5.49	PB	# of strides	11.32		
	velocity		8.83	9.11	8.92		8.83		

2012 Great North CityGames (Newcastle, GBR) (150m straightaway)**FINAL**date 15-Sep-12 wind 1.0 m/s Jalava (2012) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Onuora, Anyika (GBR) (1984)	time	6.36	11.34	16.70	16.70	3 / 1			
	reaction time		interval	4.98	PB	# of strides	11.34		10.34
	velocity	7.86	10.04	9.33	8.98		8.82		9.67
Mahan, Shayla (USA) (1989)	time	6.27	11.39	16.99	16.99	4 / 2			
	reaction time		interval	5.12	PB	# of strides	11.39		10.72
	velocity	7.97	9.77	8.93	8.83		8.78		9.33

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

Barber, Mikele (USA) (1980)	time	6.42	11.44	17.02	17.02	2 / 3		
	reaction time		5.02	5.58	PB	# of strides	11.44	10.60
	velocity	7.79	9.96	8.96	8.81		8.74	9.43
Adeoye, Margaret (GBR) (1985)	time	6.38	11.54	17.11	17.11	1 / 4		
	reaction time		5.16	5.57	PB	# of strides	11.54	10.73
	velocity	7.84	9.69	8.98	8.77		8.67	9.32

2012 Olympic Games (London, GBR)

FINAL

date 08-Aug-12 wind -0.2 m/s (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time	★	11.05	★	21.88	21.88	7 / 1			
	reaction time	0.174			10.83		# of strides	11.05	10.83	0.22
	velocity		9.05		9.23	9.14	98.2	9.05	9.23	
Fraser-Price, Shelly-Ann (JAM)	time		11.15		22.09	22.09	4 / 2			
	reaction time	0.169			10.94	PB	# of strides	11.15	10.94	0.21
	velocity		8.97		9.14	9.05	96.2	8.97	9.14	
Jeter, Carmelita (USA) (1979)	time		11.08		22.14	22.14	9 / 3			
	reaction time	0.167			11.06		# of strides	11.08	11.06	0.02
	velocity		9.03		9.04	9.03	96.0	9.03	9.04	
Campbell-Brown, Veronica (JAM)	time		11.10		22.38	22.38	5 / 4			
	reaction time	0.176			11.28		# of strides	11.10	11.28	-0.18
	velocity		9.01		8.87	8.94	97.2	9.01	8.87	
Richards-Ross, Sanya (USA) (1981)	time		11.35		22.39	22.39	6 / 5			
	reaction time	0.171			11.04		# of strides	11.35	11.04	0.31
	velocity		8.81		9.06	8.93	96.7	8.81	9.06	
Ahoure, Murielle (CIV) (1987)	time		11.27		22.57	22.57	8 / 6			
	reaction time	0.161			11.30		# of strides	11.27	11.30	-0.03
	velocity		8.87		8.85	8.86	98.7	8.87	8.85	
Soumaré, Myriam (FRA) (1986)	time		11.41		22.63	22.63	2 / 7			
	reaction time	0.157			11.22		# of strides	11.41	11.22	0.19
	velocity		8.76		8.91	8.84	98.2	8.76	8.91	
Hackett, Semoy (TRI) (1988)	time		11.45		22.87	22.87	3 / 8			
	reaction time	0.150			11.42	DV	# of strides	11.45	11.42	0.03
	velocity		8.73		8.76	8.75	96.7	8.73	8.76	

2012 Japanese National High School Championships (Niigata, JPN)

FINAL

date 01-Aug-12 wind 0.3 m/s Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Nobayashi, Yumi (JPN) (1995)	time	6.71	12.47	18.04	24.22	24.22	8 / 1			
	reaction time		5.76	5.57	6.18	PB	# of strides	12.47	11.75	0.72
	velocity	7.45	8.68	8.98	8.09	8.26		8.02	8.51	
Tsuchihashi, Tomoka (JPN) (1991)	time	6.73	12.43	17.96	24.24	24.24	3 / 2			
	reaction time		5.70	5.53	6.28		# of strides	12.43	11.81	0.62
	velocity	7.43	8.77	9.04	7.96	8.25		8.05	8.47	
Niwa, Arisa (JPN) (1995)	time	6.81	12.52	18.09	24.34	24.34	4 / 3			
	reaction time		5.71	5.57	6.25		# of strides	12.52	11.82	0.70
	velocity	7.34	8.76	8.98	8.00	8.22		7.99	8.46	
Banno, Rio (JPN) (1990)	time	6.83	12.56	18.14	24.37	24.37	6 / 4			
	reaction time		5.73	5.58	6.23		# of strides	12.56	11.81	0.75
	velocity	7.32	8.73	8.96	8.03	8.21		7.96	8.47	
Aoyama, Seika (JPN) (1996)	time	6.80	12.60	18.17	24.38	24.38	7 / 5			
	reaction time		5.80	5.57	6.21		# of strides	12.60	11.78	0.82

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

	velocity	7.35	8.62	8.98	8.05	8.20		7.94	8.49	
Takamori, Maho (JPN) (1996)	time	6.73	12.54	18.17	24.45	24.45	9 / 6			
reaction time	interval		5.81	5.63	6.28		# of strides	12.54	11.91	0.63
	velocity	7.43	8.61	8.88	7.96	8.18		7.97	8.40	
Kitazawa, Saya (JPN) (1996)	time	6.77	12.57	18.20	24.48	24.48	5 / 7			
reaction time	interval		5.80	5.63	6.28		# of strides	12.57	11.91	0.66
	velocity	7.39	8.62	8.88	7.96	8.17		7.96	8.40	
Oki, Sayaka (JPN) (1995)	time	6.99	12.93	18.59	24.72	24.72	2 / 8			
reaction time	interval		5.94	5.66	6.13		# of strides	12.93	11.79	1.14
	velocity	7.15	8.42	8.83	8.16	8.09		7.73	8.48	
Nomura, Mayu (JPN)	time	6.99	12.90	18.54	24.78	24.78	1 / 9			
reaction time	interval		5.91	5.64	6.24		# of strides	12.90	11.88	1.02
	velocity	7.15	8.46	8.87	8.01	8.07		7.75	8.42	

2012 USA Olympic Trials (Eugene, OR)

FINAL

NAME	date	30-Jun-12	wind	1.0 m/s	Hymans (2020) - history of the US olympic trials - track and field						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time			11.1		21.69	21.69	6 / 1			
	reaction time	0.203	interval			10.59	PB	# of strides	11.10	10.59	0.51
			velocity		9.01	9.44	9.22		9.01	9.44	
Jeter, Carmelita (USA) (1979)	time			11.2		22.11	22.11	8 / 2			
	reaction time	0.165	interval			10.91	PB	# of strides	11.20	10.91	0.29
			velocity		8.93	9.17	9.05		8.93	9.17	
Richards-Ross, Sanya (USA) (1985)	time			11.4		22.22	22.22	4 / 3			
	reaction time	0.177	interval			10.82		# of strides	11.40	10.82	0.58
			velocity		8.77	9.24	9.00		8.77	9.24	
Duncan, Kimberlyn (USA) (1991)	time			11.5		22.34	22.34	3 / 4			
	reaction time	0.190	interval			10.84		# of strides	11.50	10.84	0.66
			velocity		8.70	9.23	8.95		8.70	9.23	
Tarmoh, Jeneba (USA) (1989)	time			11.3		22.35	22.35	7 / 5			
	reaction time	0.213	interval			11.05		# of strides	11.30	11.05	0.25
			velocity		8.85	9.05	8.95		8.85	9.05	
Madison, Tianna (USA) (1985)	time			11.3		22.50	22.50	5 / 6			
	reaction time	0.207	interval			11.20		# of strides	11.30	11.20	0.10
			velocity		8.85	8.93	8.89		8.85	8.93	
Knight, Bianca (USA) (1989)	time			11.5		22.60	22.60	1 / 7			
	reaction time	0.210	interval			11.10		# of strides	11.50	11.10	0.40
			velocity		8.70	9.01	8.85		8.70	9.01	
Scott, Aurieyall (USA) (1992)	time			11.5		22.68	22.68	2 / 8			
	reaction time	0.192	interval			11.18		# of strides	11.50	11.18	0.32
			velocity		8.70	8.94	8.82		8.70	8.94	

2012 Windsprint (Sundsvall, SWE)

FINAL

	date	17-Jun-12	wind	2.2 m/s	(2012) - www.elitandslag.se/SprintHack/KortSprint.aspx						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jones, Hayley (GBR) (1988)	time			11.75		23.22	23.22	/ 1			
reaction time		interval				11.47		# of strides	11.75	11.47	0.28
		velocity		8.51		4.31	8.61		8.51	8.72	
Hjelmer, Moa (SWE) (1990)	time			11.94		23.32	23.32	/ 2			
reaction time		interval				11.38		# of strides	11.94	11.38	0.56
		velocity		8.38		4.29	8.58		8.38	8.79	
Akinyemi, Folake (NOR) (1990)	time			12.10		23.85	23.85	/ 3			

reaction time	interval	11.75	# of strides	12.10	11.75	0.35
velocity	8.26	4.19	8.39	8.26	8.51	
Wittstock, Estie (RSA) (1980)	time	12.21	23.90	23.90	/ 4	
reaction time	interval	11.69	# of strides	12.21	11.69	0.52
velocity	8.19	4.18	8.37	8.19	8.55	
Horn, Carina (RSA) (1989)	time	12.12	24.34	24.34	/ 5	
reaction time	interval	12.22	# of strides	12.12	12.22	-0.10
velocity	8.25	4.11	8.22	8.25	8.18	

B FINALdate 17-Jun-12 wind 1.9 m/s (2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Cederkvist, Astrid (NOR) (1994)	time		12.34		24.43	24.43	/ 1			
reaction time	interval				12.09		# of strides	12.34	12.09	0.25
velocity	8.10		4.09		8.19			8.10	8.27	
Östlund, Elin (SWE) (1991)	time		12.55		24.63	24.63	/ 2			
reaction time	interval				12.08		# of strides	12.55	12.08	0.47
velocity	7.97		4.06		8.12			7.97	8.28	
Slettum, Elisabeth (NOR) (1986)	time		12.83		25.16	25.16	/ 3			
reaction time	interval				12.33		# of strides	12.83	12.33	0.50
velocity	7.79		3.97		7.95			7.79	8.11	
Tornemark, Pernilla (SWE) (1988)	time		12.81		25.27	25.27	/ 4			
reaction time	interval				12.46		# of strides	12.81	12.46	0.35
velocity	7.81		3.96		7.91			7.81	8.03	
Isaksen, Iren Vevatne (NOR) (1991)	time		12.70		25.33	25.33	/ 5			
reaction time	interval				12.63		# of strides	12.70	12.63	0.07
velocity	7.87		3.95		7.90			7.87	7.92	

C FINALdate 17-Jun-12 wind 0.1 m/s (2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sneen, Siv (NOR) (1992)	time		12.76		24.99	24.99	/ 1			
reaction time	interval				12.23		# of strides	12.76	12.23	0.53
velocity	7.84		4.00		8.00			7.84	8.18	
Grønnhaug, Stine Marie (NOR)	time		12.72		25.28	25.28	/ 2			
reaction time	interval				12.56		# of strides	12.72	12.56	0.16
velocity	7.86		3.96		7.91			7.86	7.96	
Jensen, Christine Bjelland (NOR)	time		12.86		25.45	25.45	/ 3			
reaction time	interval				12.59		# of strides	12.86	12.59	0.27
velocity	7.78		3.93		7.86			7.78	7.94	
Panboon, Fanny (SWE) (1995)	time		12.76		25.97	25.97	/ 4			
reaction time	interval				13.21		# of strides	12.76	13.21	-0.45
velocity	7.84		3.85		7.70			7.84	7.57	
Nilsson, Evelina (SWE) (1994)	time		13.16		26.39	26.39	/ 5			
reaction time	interval				13.23		# of strides	13.16	13.23	-0.07
velocity	7.60		3.79		7.58			7.60	7.56	

2012 Great CityGames (Manchester, GBR) (200m straightaway)**FINAL**

date 20-May-12 wind -0.3 m/s

Jalava (2012) - www.tilastopaja.org

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Richards-Ross, Sanya (USA) (1981)	time		11.63		22.71	22.71	3 / 1			
reaction time	interval				11.08		# of strides	11.63	11.08	0.55
velocity	8.60		4.40		8.81			8.60	9.03	
Rosolová, Denisa (CZE) (1986)	time		11.84		23.53	23.53	2 / 2			
reaction time	interval				11.69		# of strides	11.84	11.69	0.15
velocity	8.45		4.25		8.50			8.45	8.55	

Adeoye, Margaret (GBR) (1985)	time	11.64	23.56	23.56	1 / 3			
	reaction time	interval	11.92		# of strides	11.64	11.92	-0.28
		velocity	8.59	4.24	8.49	8.59	8.39	
Sanders, Nicola (GBR) (1982)	time	11.90	23.79	23.79	4 / 4			
	reaction time	interval	11.89		# of strides	11.90	11.89	0.01
		velocity	8.40	4.20	8.41	8.40	8.41	

2012 Great CityGames (Manchester, GBR) (150m straightaway)**FINAL**

date 20-May-12 wind -0.4 m/s

Jalava (2012) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Moore, LaShaunte'a (USA) (198)	time	11.44	17.05		17.05	3 / 1			
	reaction time	interval	5.61		PB	# of strides	11.44		
		velocity	8.74	8.91	8.80		8.74		
Douglas, Montell (GBR) (1986)	time	11.76	17.73		17.73	2 / 2			
	reaction time	interval	5.97			# of strides	11.76		
		velocity	8.50	8.38	8.46		8.50		
Tavares, Sónia (POR) (1986)	time	11.84	17.82		17.82	4 / 3			
	reaction time	interval	5.98		PB	# of strides	11.84		
		velocity	8.45	8.36	8.42		8.45		
O'Rourke, Derval (IRL) (1981)	time	12.06	18.25		18.25	1 / 4			
	reaction time	interval	6.19		PB	# of strides	12.06		
		velocity	8.29	8.08	8.22		8.29		

2011 IAAF World Championships (Daegu, KOR)

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

FINAL

date 02-Sep-11 wind -1.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Campbell-Brown, Veronica (JAM) (1988)	time	6.00	11.03	16.34	22.22	22.22	5 / 1			KSSB (2011)
	reaction time	0.151	interval	5.03	5.88		# of strides	11.03	11.19	-0.16
		velocity	8.33	9.94	9.42	9.00	98.5	9.07	8.94	
Jeter, Carmelita (USA) (1979)	time	6.08	11.15	16.44	22.37	22.37	4 / 2			KSSB (2011)
	reaction time	0.178	interval	5.07	5.93		# of strides	11.15	11.22	-0.07
		velocity	8.22	9.86	9.45	8.94	98.2	8.97	8.91	
Felix, Allyson (USA) (1985)	time	6.18	11.31	16.62	22.42	22.42	3 / 3			KSSB (2011)
	reaction time	0.187	interval	5.13	5.80		# of strides	11.31	11.11	0.20
		velocity	8.09	9.75	9.42	8.92	88.2	8.84	9.00	
Solomon, Shalonda (USA) (1988)	time		11.4		22.61	22.61	6 / 4			Butler (2013)
	reaction time	0.172	interval		11.21		# of strides	11.40	11.21	0.19
		velocity		8.77	8.92	8.85	96.7	8.77	8.92	
Stewart, Kerron (JAM) (1984)	time		11.4		22.70	22.70	8 / 5			Butler (2013)
	reaction time	0.211	interval		11.30		# of strides	11.40	11.30	0.10
		velocity		8.77	8.85	8.81	93.5	8.77	8.85	
Ferguson-McKenzie, Debbie (Belize) (1988)	time		11.7		22.96	22.96	1 / 6			Butler (2013)
	reaction time	0.157	interval		11.26		# of strides	11.70	11.26	0.44
		velocity		8.55	8.88	8.71	96.5	8.55	8.88	
Stuy, Hrustyna (UKR) (1988)	time		11.7		23.02	23.02	2 / 7			Butler (2013)
	reaction time	0.188	interval		11.32		# of strides	11.70	11.32	0.38
		velocity		8.55	8.83	8.69	96.7	8.55	8.83	
Simpson, Sherone (JAM) (1984)	time		11.5		23.17	23.17	7 / 8			Butler (2013)
	reaction time	0.169	interval		11.67		# of strides	11.50	11.67	-0.17
		velocity		8.70	8.57	8.63	99.0	8.70	8.57	

Semi-Final 1

date 01-Sep-11 wind -0.7 m/s

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

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

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

Fukushima, Chisato (JPN) (1988)	time	6.46	11.80	17.51	23.52	23.52	1 / 8			
reaction time	0.134	interval	5.34	5.71	6.01		# of strides	11.80	11.72	0.08
		velocity	7.74	9.36	8.76	8.32	104.0	8.47	8.53	

Heat 1

date 01-Sep-11 wind -0.1 m/s Kyohei (2012) - the run performance of the 2011 world & japanese top 200m sprinters

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1988)	time	6.36	11.58	17.14	23.25	23.25	6 / 5			
reaction time	0.145	interval	5.22	5.56	6.11		# of strides	11.58	11.67	-0.09
		velocity	7.86	9.58	8.99	8.18	103.7	8.64	8.57	

2011 Japanese National High School Championships (Kitakami, JPN)**FINAL**

date 06-Aug-11 wind 0.0 m/s Abe (2011) - 64th high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kokubo, Haruna (JPN) (1993)	time	6.84	13.30	17.98	24.34	24.34	/ 1			
reaction time		interval	6.46	4.68	6.36		# of strides	13.30	11.04	2.26
		velocity	7.31	7.74	10.68	7.86	8.22	7.52	9.06	
Ito, Mizuki (JPN) (1994)	time	6.64	13.43	18.14	24.47	24.47	/ 2			
reaction time		interval	6.79	4.71	6.33		# of strides	13.43	11.04	2.39
		velocity	7.53	7.36	10.62	7.90	8.17	7.45	9.06	
Yamada, Eri (JPN) (1993)	time	6.67	13.47	18.20	24.63	24.63	/ 3			
reaction time		interval	6.80	4.73	6.43		# of strides	13.47	11.16	2.31
		velocity	7.50	7.35	10.57	7.78	8.12	7.42	8.96	
Doi, Anna (JPN) (1995)	time	6.57	13.66	18.37	24.69	24.69	/ 4			
reaction time		interval	7.09	4.71	6.32		# of strides	13.66	11.03	2.63
		velocity	7.61	7.05	10.62	7.91	8.10	7.32	9.07	
Akashi, Yuri (JPN)	time	7.08	13.58	18.28	24.71	24.71	/ 5			
reaction time		interval	6.50	4.70	6.43		# of strides	13.58	11.13	2.45
		velocity	7.06	7.69	10.64	7.78	8.09	7.36	8.98	
Kimura, Akane (JPN) (1993)	time	6.63	13.60	18.37	24.79	24.79	/ 6			
reaction time		interval	6.97	4.77	6.42		# of strides	13.60	11.19	2.41
		velocity	7.54	7.17	10.48	7.79	8.07	7.35	8.94	
Kitano, Yuki (JPN)	time	7.01	13.60	18.42	24.97	24.97	/ 7			
reaction time		interval	6.59	4.82	6.55		# of strides	13.60	11.37	2.23
		velocity	7.13	7.59	10.37	7.63	8.01	7.35	8.80	
Hashizume, Sakina (JPN) (1993)	time	7.08	13.74	18.57	25.06	25.06	/ 8			
reaction time		interval	6.66	4.83	6.49		# of strides	13.74	11.32	2.42
		velocity	7.06	7.51	10.35	7.70	7.98	7.28	8.83	

2011 USATF National Championships (Eugene, OR)**FINAL**

date 26-Jun-11 wind 1.0 m/s Track Newsletter (2011) - USATF women's championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Solomon, Shalonda (USA) (1988)	time		11.4		22.2	22.15	/ 1			
reaction time			interval		10.80	PB	# of strides	11.40	10.80	0.60
			velocity		9.26	9.03		8.77	9.26	
Jeter, Carmelita (USA) (1979)	time		11.4		22.2	22.23	/ 2			
reaction time			interval		10.80	PB	# of strides	11.40	10.80	0.60
			velocity		9.26	9.00		8.77	9.26	
Tarmoh, Jeneba (USA) (1989)	time		11.5		22.3	22.28	/ 3			
reaction time			interval		10.80	PB	# of strides	11.50	10.80	0.70
			velocity		9.26	8.98		8.70	9.26	
Knight, Bianca (USA) (1989)	time		11.5		22.4	22.35	/ 4			
reaction time			interval		10.90	PB	# of strides	11.50	10.90	0.60
			velocity		9.17	8.95		8.70	9.17	
Duncan, Kimberlyn (USA) (1991)	time		11.7		22.4	22.35	/ 5			

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

Moore, LaShauntea (USA) (1982)	reaction time	interval	10.70		# of strides	11.70	10.70	1.00
		velocity	8.55	9.35	8.95	8.55	9.35	
	time		11.7	22.6	22.58	/ 6		
	reaction time	interval	10.90		# of strides	11.70	10.90	0.80
Durst, Stephanie (USA) (1982)		velocity	8.55	9.17	8.86	8.55	9.17	
	time		11.8	22.6	22.63	/ 7		
	reaction time	interval	10.80	DQ	# of strides	11.80	10.80	1.00
		velocity	8.47	9.26	8.84	8.47	9.26	
Richards-Ross, Sanya (USA) (1982)	time		11.9	22.7	22.68	/ 8.7		
	reaction time	interval	10.80		# of strides	11.90	10.80	1.10
		velocity	8.40	9.26	8.82	8.40	9.26	

2011 Japanese National Championships (Kumagaya, JPN)

FINAL

date 12-Jun-11		wind -0.7 m/s	Kyohei (2012) - the run performance of the 2011 world & japanese top 200m sprinters							
	0.167	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Fukushima, Chisato (JPN) (1982)	time	6.30	11.56	17.24	23.44	23.44	/ 1			
reaction time	interval		5.26	5.68	6.20	# of strides		11.56	11.88	-0.32
	velocity	7.94	9.51	8.80	8.06	8.53		8.65	8.42	
Ichikawa, Kana (JPN) (1991)	time	6.56	11.88	17.54	23.62	23.62	/ 2			
reaction time	interval		5.32	5.66	6.08	# of strides		11.88	11.74	0.14
	velocity	7.62	9.40	8.83	8.22	8.47		8.42	8.52	
Okabe, Nao (JPN) (1988)	time	6.53	11.96	17.76	23.97	23.97	/ 3			
reaction time	interval		5.43	5.80	6.21	# of strides		11.96	12.01	-0.05
	velocity	7.66	9.21	8.62	8.05	8.34		8.36	8.33	
Imai, Saori (JPN) (1990)	time	6.62	12.03	17.82	23.97	23.97	/ 4			
reaction time	interval		5.41	5.79	6.15	# of strides		12.03	11.94	0.09
	velocity	7.55	9.24	8.64	8.13	8.34		8.31	8.38	
Takahashi, Momoko (JPN) (1982)	time	6.69	12.14	17.97	24.15	24.15	/ 5			
reaction time	interval		5.45	5.83	6.18	# of strides		12.14	12.01	0.13
	velocity	7.47	9.17	8.58	8.09	8.28		8.24	8.33	
Nobuoka, Sakie (JPN) (1977)	time	6.66	12.21	18.08	24.39	24.39	/ 6			
reaction time	interval		5.55	5.87	6.31	# of strides		12.21	12.18	0.03
	velocity	7.51	9.01	8.52	7.92	8.20		8.19	8.21	
Miki, Shiori (JPN) (1991)	time	6.80	12.43	18.33	24.65	24.65	/ 7			
reaction time	interval		5.63	5.90	6.32	# of strides		12.43	12.22	0.21
	velocity	7.35	8.88	8.47	7.91	8.11		8.05	8.18	
Wada, Maki (JPN) (1986)	time	6.92	12.92	19.39	26.34	26.34	/ 8			
reaction time	interval		6.00	6.47	6.95	# of strides		12.92	13.42	-0.50
	velocity	7.23	8.33	7.73	7.19	7.59		7.74	7.45	

2011 Great CityGames (Manchester, GBR) (150m straightaway)

FINAL

date 15-May-11		wind 1.6 m/s	Butler (2011) - Gay's last 100 in Manchester street 150 (www.trackandfieldnews.com)							
		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m	
Oyepitan, Abi (GBR) (1979)	time	6.50	11.72	17.34	17.34	1 / 1				
reaction time	interval		5.22	5.62	# of strides		11.72		10.84	
	velocity	7.69	9.58	8.90	8.65		8.53		9.23	
Ennis, Jessica (GBR) (1986)	time	6.43	11.72	17.40	17.40	3 / 2				
reaction time	interval		5.29	5.68	# of strides		11.72		10.97	
	velocity	7.78	9.45	8.80	8.62		8.53		9.12	
Turner, Laura (GBR) (1982)	time	6.36	11.66	17.43	17.43	2 / 3				
reaction time	interval		5.30	5.77	PB	# of strides	11.66		11.07	
	velocity	7.86	9.43	8.67	8.61		8.58		9.03	

Nelson, Ashleigh (GBR) (1991)	time	6.41	11.78	17.64	17.64	4 / 4		
reaction time	interval		5.37	5.86	PB	# of strides	11.78	11.23
	velocity	7.80	9.31	8.53	8.50		8.49	8.90

2011 Great City Games (Manchester, GBR) (200m straightaway)**FINAL**date 15-May-11 wind 2.6 m/s Butler (2011) - Gay's last 100 in Manchester street 150 (www.trackandfieldnews.com)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time	6.31	11.26	16.48	22.12	22.12	2 / 1			
reaction time	interval		4.95	5.22	5.64		# of strides	11.26	10.86	0.40
	velocity	7.92	10.10	9.58	8.87	9.04		8.88	9.21	
Soumaré, Myriam (FRA) (1986)	time	6.42	11.67	17.26	23.35	23.35	4 / 2			
reaction time	interval		5.25	5.59	6.09		# of strides	11.67	11.68	-0.01
	velocity	7.79	9.52	8.94	8.21	8.57		8.57	8.56	
Maduka, Joice (GBR) (1973)	time	6.60	11.88	17.47	23.67	23.67	1 / 3			
reaction time	interval		5.28	5.59	6.20		# of strides	11.88	11.79	0.09
	velocity	7.58	9.47	8.94	8.06	8.45		8.42	8.48	
Ohuruogu, Christine (GBR) (1991)	time	6.84	12.43	18.26	24.48	24.48	3 / 4			
reaction time	interval		5.59	5.83	6.22		# of strides	12.43	12.05	0.38
	velocity	7.31	8.94	8.58	8.04	8.17		8.05	8.30	

2010 German National Youth Championships (Ulm, GER)**FINAL**date 08-Aug-10 wind -0.2 m/s Graubner (2010) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Grompe, Katharina (GER) (1993)	time	12.16	17.88	24.13	24.13	24.13	/ 1			
reaction time	interval			5.72	6.25	PB	# of strides	12.16	11.97	0.19
	velocity		8.22	8.74	8.00	8.29		8.22	8.35	
Pähler, Stefanie (GER) (1993)	time	12.48	18.15	24.22	24.22	24.22	/ 2			
reaction time	interval			5.67	6.07	PB	# of strides	12.48	11.74	0.74
	velocity		8.01	8.82	8.24	8.26		8.01	8.52	
Haase, Rebekka (GER) (1993)	time	12.48	18.16	24.27	24.27	24.27	/ 3			
reaction time	interval			5.68	6.11	PB	# of strides	12.48	11.79	0.69
	velocity		8.01	8.80	8.18	8.24		8.01	8.48	
Frey, Carina (GER) (1994)	time	12.33	18.09	24.41	24.41	24.41	/ 4			
reaction time	interval			5.76	6.32	PB	# of strides	12.33	12.08	0.25
	velocity		8.11	8.68	7.91	8.19		8.11	8.28	
Schachtschneider, Maike (GER) (1993)	time	12.51	18.23	24.48	24.48	24.48	/ 5			
reaction time	interval			5.72	6.25		# of strides	12.51	11.97	0.54
	velocity		7.99	8.74	8.00	8.17		7.99	8.35	
Holzschuh, Marie (GER) (1994)	time	12.62	18.34	24.54	24.54	24.54	/ 6			
reaction time	interval			5.72	6.20		# of strides	12.62	11.92	0.70
	velocity		7.92	8.74	8.06	8.15		7.92	8.39	
Meyer, Lea Madlen (GER) (1993)	time	12.65	18.52	24.86	24.86	24.86	/ 7			
reaction time	interval			5.87	6.34		# of strides	12.65	12.21	0.44
	velocity		7.91	8.52	7.89	8.05		7.91	8.19	
John, Viviane (GER) (1993)	time	12.71	18.60	25.14	25.14	25.14	/ 8			
reaction time	interval			5.89	6.54		# of strides	12.71	12.43	0.28
	velocity		7.87	8.49	7.65	7.96		7.87	8.05	

B FINALdate 08-Aug-10 wind 0.7 m/s Graubner (2010) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Eich, Katharina (GER) (1993)	time	12.82	18.65	24.86	24.86	24.86	/ 1			
reaction time	interval			5.83	6.21		# of strides	12.82	12.04	0.78
	velocity		7.80	8.58	8.05	8.05		7.80	8.31	
Häfele, Sabrina (GER) (1993)	time	12.98	18.89	25.28	25.28	25.28	/ 2			

reaction time	interval	5.91	6.39		# of strides	12.98	12.30	0.68
	velocity	7.70	8.46	7.82	7.91	7.70	8.13	
Lutschak, Saskia (GER) (1995)	time	13.05	18.98	25.44	25.44	/ 3		
reaction time	interval		5.93	6.46	# of strides	13.05	12.39	0.66
	velocity	7.66	8.43	7.74	7.86	7.66	8.07	
Holsten, Sarina (GER) (1994)	time	12.92	18.93	25.49	25.49	/ 4		
reaction time	interval		6.01	6.56	# of strides	12.92	12.57	0.35
	velocity	7.74	8.32	7.62	7.85	7.74	7.96	
Müller, Laura (GER) (1995)	time	12.93	19.01	25.50	25.50	/ 5		
reaction time	interval		6.08	6.49	# of strides	12.93	12.57	0.36
	velocity	7.73	8.22	7.70	7.84	7.73	7.96	
Brandt, Julia (GER) (1993)	time	13.01	19.02	25.64	25.64	/ 6		
reaction time	interval		6.01	6.62	# of strides	13.01	12.63	0.38
	velocity	7.69	8.32	7.55	7.80	7.69	7.92	

2010 German National Junior Championships (Ulm, GER)

FINAL

	date	07-Aug-10	wind	-0.1 m/s						Graubner (2010) - http://www.fgs.uni-halle.de
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Günther, Leena (GER) (1991)	time	12.27	17.97	24.00	24.00		/ 1			
reaction time	interval		5.70	6.03	PB	# of strides	12.27	11.73	0.54	
	velocity	8.15	8.77	8.29	8.33			8.15	8.53	
Riedl, Martina (GER) (1992)	time	12.41	18.21	24.36	24.36		/ 2			
reaction time	interval		5.80	6.15		# of strides	12.41	11.95	0.46	
	velocity	8.06	8.62	8.13	8.21			8.06	8.37	
Riedl, Julia (GER) (1992)	time	12.43	18.15	24.45	24.45		/ 3			
reaction time	interval		5.72	6.30		# of strides	12.43	12.02	0.41	
	velocity	8.05	8.74	7.94	8.18			8.05	8.32	
Elsler, Josefina (GER) (1991)	time	12.50	18.33	24.51	24.51		/ 4			
reaction time	interval		5.83	6.18		# of strides	12.50	12.01	0.49	
	velocity	8.00	8.58	8.09	8.16			8.00	8.33	
Schmidt, Annika (GER)	time	12.64	18.57	25.02	25.02		/ 5			
reaction time	interval		5.93	6.45		# of strides	12.64	12.38	0.26	
	velocity	7.91	8.43	7.75	7.99			7.91	8.08	
Assel, Anna Lena (GER) (1991)	time	12.83	18.76	25.21	25.21		/ 6			
reaction time	interval		5.93	6.45		# of strides	12.83	12.38	0.45	
	velocity	7.79	8.43	7.75	7.93			7.79	8.08	
Fretzschner, Isabel (GER) (1992)	time	13.01	19.03	25.30	25.30		/ 7			
reaction time	interval		6.02	6.27		# of strides	13.01	12.29	0.72	
	velocity	7.69	8.31	7.97	7.91			7.69	8.14	
Wieß, Patricia (GER)	time	13.13	19.15	25.46	25.46		/ 8			
reaction time	interval		6.02	6.31		# of strides	13.13	12.33	0.80	
	velocity	7.62	8.31	7.92	7.86			7.62	8.11	

B FINAL

	date	07-Aug-10	wind	-0.2 m/s						Graubner (2010) - http://www.fgs.uni-halle.de
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Buckel, Carlotta (GER) (1991)	time	12.39	18.30	24.78	24.78		/ 1			
reaction time	interval		5.91	6.48		# of strides	12.39	12.39	0.00	
	velocity	8.07	8.46	7.72	8.07			8.07	8.07	
Mathes, Larissa (GER) (1992)	time	12.47	18.41	24.95	24.95		/ 2			
reaction time	interval		5.94	6.54		# of strides	12.47	12.48	-0.01	
	velocity	8.02	8.42	7.65	8.02			8.02	8.01	
Hablitzel, Sophia (GER) (1991)	time	12.73	18.61	24.96	24.96		/ 3			
reaction time	interval		5.88	6.35		# of strides	12.73	12.23	0.50	

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

	velocity	7.86	8.50	7.87	8.01		7.86	8.18	
Kramer, Hannah (GER) (1991)	time	12.72	18.73	25.26	25.26	/ 4			
	reaction time		6.01	6.53		# of strides	12.72	12.54	0.18
	velocity	7.86	8.32	7.66	7.92		7.86	7.97	
Straub, Regina (GER) (1992)	time	12.83	18.86	25.37	25.37	/ 5			
	reaction time		6.03	6.51		# of strides	12.83	12.54	0.29
	velocity	7.79	8.29	7.68	7.88		7.79	7.97	

Heat 5

Heat 5	date	07-Aug-10	wind	0.9 m/s	Graubner (2010) - http://www.fgs.uni-halle.de						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Schmidt, Annika (GER)	time		12.52	18.32	24.68	24.68	/ 1			
	reaction time	interval			5.80	6.36	PB	# of strides	12.52	12.16	0.36
	velocity		7.99	8.62	7.86	8.10			7.99	8.22	

Heat 4

Heat 4	date 07-Aug-10		wind 0.9 m/s		Graubner (2010) - http://www.fgs.uni-halle.de						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Elsler, Josefina (GER) (1991)	time	12.50	18.27	24.47	24.47	/ 1				
	reaction time	interval		5.77	6.20		# of strides		12.50	11.97	0.53
		velocity	8.00	8.67	8.06	8.17			8.00	8.35	

Heat 3

Heat 3	date	07-Aug-10	wind	1.0 m/s	Graubner (2010) - http://www.fgs.uni-halle.de						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Riedl, Julia (GER) (1992)	time		12.28	18.02	24.36	24.36	/ 1			
	reaction time	interval			5.74	6.34		# of strides	12.28	12.08	0.20
		velocity		8.14	8.71	7.89	8.21		8.14	8.28	

Heat 2

beat 2	date	07-Aug-10	wind	0.3 m/s			Graubner (2010) - http://www.fgs.uni-halle.de				
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Riedl, Martina (GER) (1992)	time		12.32	18.16	24.60	24.60	/ 1			
	reaction time	interval			5.84	6.44		# of strides	12.32	12.28	0.04
		velocity		8.12	8.56	7.76	8.13		8.12	8.14	

Heat 1

Heat 1	date 07-Aug-10		wind 0.0 m/s		Graubner (2010) - http://www.fgs.uni-halle.de						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	Günther, Leena (GER) (1991)	time		12.55	18.36	24.62	24.62	/ 1			
	reaction time	interval			5.81	6.26		# of strides	12.55	12.07	0.48
		velocity		7.97	8.61	7.99	8.12		7.97	8.29	

2010 Japanese National High School Championships (Okinawa, JPN)**FINAL**

		date	01-Aug-10	wind	1.0 m/s	Matsuo (2010) - 63rd high school championships: JAF scientific committee- biomechanics						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hasegawa, Misato (JPN) (1992)	time			7.07	12.67	18.33	24.48	24.48	/ 1			
	reaction time				5.60	5.66	6.15		# of strides	12.67	11.81	0.86
	velocity			7.07	8.93	8.83	8.13	8.17		7.89	8.47	
Hashizume, Sakina (JPN) (1993)	time			6.84	12.50	18.30	24.53	24.53	/ 2			
	reaction time				5.66	5.80	6.23	PB	# of strides	12.50	12.03	0.47
	velocity			7.31	8.83	8.62	8.03	8.15		8.00	8.31	
Takenaka, Hikaru (JPN) (1993)	time			7.06	12.91	18.74	24.94	24.94	/ 3			
	reaction time				5.85	5.83	6.20		# of strides	12.91	12.03	0.88
	velocity			7.08	8.55	8.58	8.06	8.02		7.75	8.31	

2010 NCAA Championships (Eugene, OR)**FINAL**

FINAL	date	12-Jun-10	wind	1.2 m/s			Track Newsletter (2010) - NCAA women's championships					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lucas, Porscha (USA) (1988)	time				11.6		22.8	22.83	/ 1			
	reaction time						11.20		# of strides	11.60	11.20	0.40
	velocity				8.62		8.93	8.76		8.62	8.93	
Tarmoh, Janeba (USA) (1989)	time				11.6		22.9	22.92	/ 2			
	reaction time						11.30		# of strides	11.60	11.30	0.30

	velocity	8.62	8.85	8.73		8.62	8.85	
Smith, Nivea (BAH) (1990)	time	11.9	23.3	23.25	/ 3			
reaction time	interval		11.40		# of strides	11.90	11.40	0.50
	velocity	8.40	8.77	8.60		8.40	8.77	
Townsend, Tiffany (USA) (1989)	time	12.1	23.4	23.35	/ 4			
reaction time	interval		11.30		# of strides	12.10	11.30	0.80
	velocity	8.26	8.85	8.57		8.26	8.85	
Duncan, Dominique (USA) (1999)	time	12.0	23.5	23.48	/ 5			
reaction time	interval		11.50		# of strides	12.00	11.50	0.50
	velocity	8.33	8.70	8.52		8.33	8.70	
Ferguson, Sheniqua (BAH) (1998)	time	12.0	23.6	23.60	/ 6			
reaction time	interval		11.60		# of strides	12.00	11.60	0.40
	velocity	8.33	8.62	8.47		8.33	8.62	
Greaves, Shavon (USA) (1988)	time	12.0	23.8	23.75	/ 7			
reaction time	interval		11.80		# of strides	12.00	11.80	0.20
	velocity	8.33	8.47	8.42		8.33	8.47	
Henry, Samantha (JAM) (1988)	time	12.1	23.8	23.80	/ 8			
reaction time	interval		11.70		# of strides	12.10	11.70	0.40
	velocity	8.26	8.55	8.40		8.26	8.55	

2010 Great CityGames (Manchester, GBR) (150m straightaway)

FINAL

date 16-May-10 wind -0.4 m/s

Jalava (2010) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Ennis, Jessica (GBR) (1986)	time		11.39	16.99	16.99	2 / 1			
reaction time	interval			5.60		# of strides	11.39		
	velocity		8.78	8.93	8.83		8.78		
Thompson, Shaunna (GBR) (1999)	time		11.47	17.05	17.05	4 / 2			
reaction time	interval			5.58		# of strides	11.47		
	velocity		8.72	8.96	8.80		8.72		
Ohuruogu, Christine (GBR) (1991)	time		11.44	17.07	17.07	3 / 3			
reaction time	interval			5.63		# of strides	11.44		
	velocity		8.74	8.88	8.79		8.74		
Barr, Jessica (GBR)		no information available			17.74	1 / 4			

2010 Great CityGames (Manchester, GBR) (200m straightaway)

FINAL

date 16-May-10 wind 0.2 m/s

Jalava (2010) - www.tilastopaja.org

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time		11.31	16.68	22.55	22.55	2 / 1			
reaction time	interval			5.37	5.87		# of strides	11.31	11.24	0.07
	velocity		8.84	9.31	8.52	8.87		8.84	8.90	
Ferguson-McKenzie, Debbie (BAR) (1985)	time		11.34	16.86	22.96	22.96	3 / 2			
reaction time	interval			5.52	6.10		# of strides	11.34	11.62	-0.28
	velocity		8.82	9.06	8.20	8.71		8.82	8.61	
Freeman, Emily (GBR) (1980)	time		11.62	17.19	23.29	23.29	4 / 3			
reaction time	interval			5.57	6.10		# of strides	11.62	11.67	-0.05
	velocity		8.61	8.98	8.20	8.59		8.61	8.57	
McConnell, Lee (GBR) (1978)	time		11.96	17.60	23.75	23.75	1 / 4			
reaction time	interval			5.64	6.15		# of strides	11.96	11.79	0.17
	velocity		8.36	8.87	8.13	8.42		8.36	8.48	

2009 IAAF World Championships (Berlin, GER)

FINAL

date 21-Aug-09 wind -0.1 m/s

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

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

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

Felix, Allyson (USA) (1985)	time	6.25	11.16	16.37	22.02	22.02	6 / 1			
reaction time	0.173	interval	4.91	5.21	5.65		# of strides	11.16	10.86	0.30
		velocity	8.00	10.18	9.60	9.08		8.96	9.21	
Campbell-Brown, Veronica (JAM) (1981)	time	6.19	11.14	16.49	22.35	22.35	5 / 2			
reaction time	0.184	interval	4.95	5.35	5.86		# of strides	11.14	11.21	-0.07
		velocity	8.08	10.10	9.35	8.95		8.98	8.92	
Ferguson-McKenzie, Debbie (Belize) (1981)	time	6.27	11.29	16.65	22.41	22.41	4 / 3			
reaction time	0.171	interval	5.02	5.36	5.76		# of strides	11.29	11.12	0.17
		velocity	7.97	9.96	9.33	8.92		8.86	8.99	
Lee, Muna (USA) (1981)	time	6.29	11.25	16.61	22.48	22.48	3 / 4			
reaction time	0.174	interval	4.96	5.36	5.87		# of strides	11.25	11.23	0.02
		velocity	7.95	10.08	9.33	8.90		8.89	8.90	
McLaughlin, Anneisha (JAM) (1981)	time	6.37	11.43	16.76	22.62	22.62	8 / 5			
reaction time	0.178	interval	5.06	5.33	5.86		# of strides	11.43	11.19	0.24
		velocity	7.85	9.88	9.38	8.84		8.75	8.94	
Facey, Simone (JAM) (1985)	time	6.27	11.39	16.80	22.80	22.80	7 / 6			
reaction time	0.163	interval	5.12	5.41	6.00		# of strides	11.39	11.41	-0.02
		velocity	7.97	9.77	9.24	8.77		8.78	8.76	
Freeman, Emily (GBR) (1980)	time	6.33	11.47	16.96	22.98	22.98	2 / 7			
reaction time	0.141	interval	5.14	5.49	6.02		# of strides	11.47	11.51	-0.04
		velocity	7.90	9.73	9.11	8.70		8.72	8.69	
Artymata, Eleni (CYP) (1986)	time	6.51	11.70	17.17	23.01	23.05	1 / 8			
reaction time	0.176	interval	5.19	5.47	5.84		# of strides	11.70	11.31	0.39
		velocity	7.68	9.63	9.14	8.68		8.55	8.84	

Semi-Final 3

Semi-Final 3		date	20-Aug-09	wind	0.5 m/s	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lee, Muna (USA) (1981)		time		6.26	11.23	16.53	22.30	22.30	4 / 1			
	reaction time	0.158	interval		4.97	5.30	5.77		# of strides	11.23	11.07	0.16
			velocity		7.99	10.06	9.43	8.67	8.97		8.90	9.03
Facey, Simone (JAM) (1985)		time		6.31	11.39	16.78	22.58	22.58	5 / 2			
	reaction time	0.162	interval		5.08	5.39	5.80		# of strides	11.39	11.19	0.20
			velocity		7.92	9.84	9.28	8.62	8.86		8.78	8.94
Williams, Monique (NZL) (1985)		time		6.42	11.51	16.79	22.90	22.90	6 / 3			
	reaction time	0.180	interval		5.09	5.28	6.11	NR	# of strides	11.51	11.39	0.12
			velocity		7.79	9.82	9.47	8.18	8.73		8.69	8.78
Baptiste, Kelly-Ann (TTO) (1986)		time		6.37	11.53	16.98	22.96	22.96	3 / 4			
	reaction time	0.156	interval		5.16	5.45	5.98		# of strides	11.53	11.43	0.10
			velocity		7.85	9.69	9.17	8.36	8.71		8.67	8.75
Hodge, Virgil (SKN) (1983)		time		6.45	11.57	17.08	23.19	23.19	1 / 5			
	reaction time	0.178	interval		5.12	5.51	6.11		# of strides	11.57	11.62	-0.05
			velocity		7.75	9.77	9.07	8.18	8.62		8.64	8.61
Gushchina, Yuliya (RUS) (1983)		time		6.35	11.53	17.07	23.24	23.24	7 / 6			
	reaction time	0.175	interval		5.18	5.54	6.17		# of strides	11.53	11.71	-0.18
			velocity		7.87	9.65	9.03	8.10	8.61		8.67	8.54

Semi-Final 2

emi-Final 2		date	20-Aug-09	wind	0.3 m/s		Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)		time		6.32	11.34	16.67	22.44	22.44	5 / 1			
reaction time		0.167	interval		5.02	5.33	5.77		# of strides	11.34	11.10	0.24
			velocity	7.91	9.96	9.38	8.67	8.91		8.82	9.01	
McLaughlin, Anneisha (JAM) (1981)		time		6.38	11.39	16.69	22.55	22.55	6 / 2			
reaction time		0.156	interval		5.01	5.30	5.86	PB	# of strides	11.39	11.16	0.23

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

	velocity	7.84	9.98	9.43	8.53	8.87		8.78	8.96	
Jones-Ferrette, LaVerne (ISV) (1987)	time	6.18	11.26	16.67	22.74	22.74	8 / 3			
reaction time	0.151 interval		5.08	5.41	6.07		# of strides	11.26	11.48	-0.22
	velocity	8.09	9.84	9.24	8.24	8.80		8.88	8.71	
Mothersill, Cydonie (CAY) (1978)	time	6.46	11.54	16.95	22.80	22.80	4 / 4			
reaction time	0.202 interval		5.08	5.41	5.85		# of strides	11.54	11.26	0.28
	velocity	7.74	9.84	9.24	8.55	8.77		8.67	8.88	
Williams, Charonda (USA) (1987)	time	6.46	11.57	17.01	22.81	22.81	3 / 5			
reaction time	0.194 interval		5.11	5.44	5.80		# of strides	11.57	11.24	0.33
	velocity	7.74	9.78	9.19	8.62	8.77		8.64	8.90	
Zaytseva, Olga (RUS) (1984)	time	6.47	11.70	17.25	23.19	23.19	2 / 6			
reaction time	0.155 interval		5.23	5.55	5.94		# of strides	11.70	11.49	0.21
	velocity	7.73	9.56	9.01	8.42	8.62		8.55	8.70	

Semi-Final 1

Semi-Final 1		date	20-Aug-09	wind	0.5 m/s	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ferguson-McKenzie, Debbie (BVI) (1987)	time			6.19	11.21	16.54	22.24	22.24	6 / 1			
	reaction time	0.133	interval		5.02	5.33	5.70		# of strides	11.21	11.03	0.18
			velocity	8.08	9.96	9.38	8.77	8.99		8.92	9.07	
Campbell-Brown, Veronica (JAM) (1987)	time			6.25	11.23	16.52	22.29	22.29	5 / 2			
	reaction time	0.180	interval		4.98	5.29	5.77		# of strides	11.23	11.06	0.17
			velocity	8.00	10.04	9.45	8.67	8.97		8.90	9.04	
Freeman, Emily (GBR) (1980)	time			6.29	11.40	16.79	22.64	22.64	3 / 3			
	reaction time	0.163	interval		5.11	5.39	5.85	PB	# of strides	11.40	11.24	0.16
			velocity	7.95	9.78	9.28	8.55	8.83		8.77	8.90	
Artymata, Eleni (CYP) (1986)	time			6.46	11.57	16.92	22.64	22.64	8 / 4			
	reaction time	0.192	interval		5.11	5.35	5.72	NR	# of strides	11.57	11.07	0.50
			velocity	7.74	9.78	9.35	8.74	8.83		8.64	9.03	
Danois, Johanna (FRA) (1987)	time			6.51	11.69	17.12	23.03	23.03	7 / 5			
	reaction time	0.178	interval		5.18	5.43	5.91	PB	# of strides	11.69	11.34	0.35
			velocity	7.68	9.65	9.21	8.46	8.68		8.55	8.82	
Al-Gasara, Rakia (BRN) (1982)	time			6.54	11.75	17.27	23.26	23.26	2 / 6			
	reaction time	0.243	interval		5.21	5.52	5.99	DV	# of strides	11.75	11.51	0.24
			velocity	7.65	9.60	9.06	8.35	8.60		8.51	8.69	
Bolsun, Yelena (RUS) (1982)	time			6.44	11.69	17.18	23.27	23.27	1 / 7 6			
	reaction time	0.121	interval		5.25	5.49	6.09		# of strides	11.69	11.58	0.11
			velocity	7.76	9.52	9.11	8.21	8.59		8.55	8.64	

Heat 6

Heat 6		date	19-Aug-09	wind	0.0 m/s	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Campbell-Brown, Veronica (JAM) (1987)	time			6.36	11.47	16.97	23.01	23.01	3 / 1			
	reaction time	0.156	interval		5.11	5.50	6.04		# of strides	11.47	11.54	-0.07
			velocity	7.86	9.78	9.09	8.28	8.69		8.72	8.67	
Freeman, Emily (GBR) (1980)	time			6.33	11.47	16.99	23.10	23.10	7 / 2			
	reaction time	0.178	interval		5.14	5.52	6.11		# of strides	11.47	11.63	-0.16
			velocity	7.90	9.73	9.06	8.18	8.66		8.72	8.60	
Borlée, Olivia (BEL) (1986)	time			6.40	11.61	17.13	23.25	23.25	8 / 3			
	reaction time	0.166	interval		5.21	5.52	6.12		# of strides	11.61	11.64	-0.03
			velocity	7.81	9.60	9.06	8.17	8.60		8.61	8.59	
Ferguson, Sheniqua (BAH) (1987)	time			6.51	11.74	17.32	23.35	23.35	5 / 4			
	reaction time	0.176	interval		5.23	5.58	6.03		# of strides	11.74	11.61	0.13
			velocity	7.68	9.56	8.96	8.29	8.57		8.52	8.61	

Heat 5

date 19-Aug-09

wind 0.1 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Mothersill, Cydonie (CAY) (1978)	time		6.42	11.50	16.86	22.69	22.69	7 / 1			
	reaction time	0.193		5.08	5.36	5.83		# of strides	11.50	11.19	0.31
	velocity		7.79	9.84	9.33	8.58	8.81		8.70	8.94	
McLaughlin, Anneisha (JAM) (1981)	time		6.43	11.52	16.91	22.91	22.91	6 / 2			
	reaction time	0.154		5.09	5.39	6.00	PB	# of strides	11.52	11.39	0.13
	velocity		7.78	9.82	9.28	8.33	8.73		8.68	8.78	
Jones-Ferrette, LaVerne (ISV) (1978)	time		6.17	11.24	16.75	22.97	22.97	4 / 3			
	reaction time	0.142		5.07	5.51	6.22		# of strides	11.24	11.73	-0.49
	velocity		8.10	9.86	9.07	8.04	8.71		8.90	8.53	
Anim, Vida (GHA) (1983)	time		6.40	11.64	17.23	23.33	23.33	5 / 4			
	reaction time	0.168		5.24	5.59	6.10		# of strides	11.64	11.69	-0.05
	velocity		7.81	9.54	8.94	8.20	8.57		8.59	8.55	

Heat 4

date 19-Aug-09

wind 0.3 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hooker, Marshvet (USA) (1984)	time		6.28	11.31	16.65	22.51	22.51	8 / 1			
	reaction time	0.181		5.03	5.34	5.86		# of strides	11.31	11.20	0.11
	velocity		7.96	9.94	9.36	8.53	8.88		8.84	8.93	
Ferguson-McKenzie, Debbie (B) (1961)	time		6.32	11.34	16.72	22.71	22.71	5 / 2			
	reaction time	0.154		5.02	5.38	5.99		# of strides	11.34	11.37	-0.03
	velocity		7.91	9.96	9.29	8.35	8.81		8.82	8.80	
Artymata, Eleni (CYP) (1986)	time		6.45	11.57	16.98	22.83	22.83	2 / 3			
	reaction time	0.162		5.12	5.41	5.85	NR	# of strides	11.57	11.26	0.31
	velocity		7.75	9.77	9.24	8.55	8.76		8.64	8.88	
Bolsun, Yelena (RUS) (1982)	time		6.37	11.50	17.00	23.06	23.06	4 / 4			
	reaction time	0.139		5.13	5.50	6.06		# of strides	11.50	11.56	-0.06
	velocity		7.85	9.75	9.09	8.25	8.67		8.70	8.65	

Heat 3

date 19-Aug-09

wind 0.0 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time		6.31	11.42	16.94	22.88	22.88	6 / 1			
	reaction time	0.175		5.11	5.52	5.94		# of strides	11.42	11.46	-0.04
	velocity		7.92	9.78	9.06	8.42	8.74		8.76	8.73	
Williams, Monique (NZL) (1985)	time		6.41	11.53	17.01	22.96	22.96	5 / 2			
	reaction time	0.144		5.12	5.48	5.95	NR	# of strides	11.53	11.43	0.10
	velocity		7.80	9.77	9.12	8.40	8.71		8.67	8.75	
Williams, Tameka (SKN) (1989)	time		6.51	11.75	17.26	23.27	23.27	8 / 3			
	reaction time	0.173		5.24	5.51	6.01		# of strides	11.75	11.52	0.23
	velocity		7.68	9.54	9.07	8.32	8.59		8.51	8.68	
Zaytseva, Olga (RUS) (1984)	time		6.51	11.76	17.32	23.28	23.28	4 / 4			
	reaction time	0.178		5.25	5.56	5.96		# of strides	11.76	11.52	0.24
	velocity		7.68	9.52	8.99	8.39	8.59		8.50	8.68	
Al-Gasara, Rakia (BRN) (1982)	time		6.55	11.75	17.30	23.34	23.34	2 / 5			
	reaction time	0.231		5.20	5.55	6.04	DV	# of strides	11.75	11.59	0.16
	velocity		7.63	9.62	9.01	8.28	8.57		8.51	8.63	
Power, Adrienne (CAN) (1981)	time		6.50	11.76	17.33	23.38	23.38	3 / 6 5			
	reaction time	0.176		5.26	5.57	6.05		# of strides	11.76	11.62	0.14
	velocity		7.69	9.51	8.98	8.26	8.55		8.50	8.61	

Heat 2

date 19-Aug-09

wind 0.1 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lee, Muna (USA) (1981)	time		6.37	11.44	16.82	22.76	22.76	7 / 1			

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

reaction time	0.163	interval	5.07	5.38	5.94		# of strides	11.44	11.32	0.12
velocity	7.85	9.86	9.29	8.42	8.79			8.74	8.83	
Baptiste, Kelly-Ann (TTO) (1986)	time	6.33	11.47	16.95	23.00	23.00	5 / 2			
reaction time	0.142	interval	5.14	5.48	6.05		# of strides	11.47	11.53	-0.06
velocity	7.90	9.73	9.12	8.26	8.70			8.72	8.67	
Gushchina, Yuliya (RUS) (1983)	time	6.35	11.51	17.00	23.07	23.07	8 / 3			
reaction time	0.175	interval	5.16	5.49	6.07		# of strides	11.51	11.56	-0.05
velocity	7.87	9.69	9.11	8.24	8.67			8.69	8.65	
Hodge, Virgil (SKN) (1983)	time	6.43	11.61	17.13	23.34	23.34	1 / 4			
reaction time	0.172	interval	5.18	5.52	6.21		# of strides	11.61	11.73	-0.12
velocity	7.78	9.65	9.06	8.05	8.57			8.61	8.53	

Heat 1

date	19-Aug-09	wind	0.3 m/s	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Facey, Simone (JAM) (1985)	time	6.34	11.48	16.87	22.83	22.83	8 / 1			
reaction time	0.170	interval	5.14	5.39	5.96		# of strides	11.48	11.35	0.13
velocity	7.89	9.73	9.28	8.39	8.76			8.71	8.81	
Williams, Charonda (USA) (1987)	time	6.46	11.61	17.06	23.08	23.08	2 / 2			
reaction time	0.185	interval	5.15	5.45	6.02		# of strides	11.61	11.47	0.14
velocity	7.74	9.71	9.17	8.31	8.67			8.61	8.72	
Danois, Johanna (FRA) (1987)	time	6.49	11.73	17.24	23.29	23.29	8 / 3			
reaction time	0.134	interval	5.24	5.51	6.05		# of strides	11.73	11.56	0.17
velocity	7.70	9.54	9.07	8.26	8.59			8.53	8.65	
Fukushima, Chisato (JPN) (1988)	time	6.36	11.63	17.24	23.40	23.40	1 / 4			
reaction time	0.164	interval	5.27	5.61	6.16		# of strides	11.63	11.77	-0.14
velocity	7.86	9.49	8.91	8.12	8.55			8.60	8.50	
Obregón, Darlenis (COL) (1986)	time	6.55	11.84	17.06	23.42	23.42	3 / 5			
reaction time	0.177	interval	5.29	5.22	6.36		# of strides	11.84	11.58	0.26
velocity	7.63	9.45	9.58	7.86	8.54			8.45	8.64	
Ográzeanu, Andreea (ROU) (1985)	time	6.55	11.75	17.31	23.42	23.42	7 / 6			
reaction time	0.247	interval	5.20	5.56	6.11		# of strides	11.75	11.67	0.08
velocity	7.63	9.62	8.99	8.18	8.54			8.51	8.57	

Heptathlon - Heat 4

date	15-Aug-09	wind	-0.3 m/s	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Nana Djimou, Antoinette (FRA)	time	6.71	12.25	18.22	24.83	24.83	2 / 1			
reaction time	0.170	interval	5.54	5.97	6.61		# of strides	12.25	12.58	-0.33
velocity	7.45	9.03	8.38	7.56	8.05			8.16	7.95	
Day, Sharon (USA) (1985)	time	6.84	12.48	18.55	25.15	25.15	7 / 3			
reaction time	0.232	interval	5.64	6.07	6.60		# of strides	12.48	12.67	-0.19
velocity	7.31	8.87	8.24	7.58	7.95			8.01	7.89	
Grabuste, Aiga (LAT) (1988)	time	6.86	12.46	18.63	25.49	25.49	8 / 4			
reaction time	0.170	interval	5.60	6.17	6.86		# of strides	12.46	13.03	-0.57
velocity	7.29	8.93	8.10	7.29	7.85			8.03	7.67	

Heptathlon - Heat 3

date	15-Aug-09	wind	-0.2 m/s	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hazel, Louise (GBR) (1985)	time	6.57	12.01	17.82	24.19	24.19	3 / 1			
reaction time	0.187	interval	5.44	5.81	6.37	PB	# of strides	12.01	12.18	-0.17
velocity	7.61	9.19	8.61	7.85	8.27			8.33	8.21	
Oeser, Jennifer (GER) (1983)	time	6.78	12.19	18.00	24.30	24.30	8 / 2			
reaction time	0.194	interval	5.41	5.81	6.30	PB	# of strides	12.19	12.11	0.08
velocity	7.37	9.24	8.61	7.94	8.23			8.20	8.26	

Chudzik, Kamila (POL) (1986) time 6.80 12.28 18.03 24.33 24.33 7 / 3

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

reaction time	0.187	interval	5.48	5.75	6.30	PB	# of strides	12.28	12.05	0.23
velocity	7.35	9.12	8.70	7.94	8.22			8.14	8.30	
Mächtigt, Julia (GER) (1986)	time	6.78	12.31	18.13	24.39	24.39	2 / 4			
reaction time	0.181	interval	5.53	5.82	6.26		# of strides	12.31	12.08	0.23
velocity	7.37	9.04	8.59	7.99	8.20			8.12	8.28	
Tarasova, Yuliya (UZB) (1986)	time	6.80	12.17	18.06	24.60	24.60	5 / 5			
reaction time	0.194	interval	5.37	5.89	6.54		# of strides	12.17	12.43	-0.26
velocity	7.35	9.31	8.49	7.65	8.13			8.22	8.05	
Dobrynska, Nataliya (UKR) (1986)	time	6.83	12.39	18.41	25.02	25.02	4 / 6			
reaction time	0.198	interval	5.56	6.02	6.61		# of strides	12.39	12.63	-0.24
velocity	7.32	8.99	8.31	7.56	7.99			8.07	7.92	
Züblin, Linda (SUI) (1986)	time	6.73	12.31	18.32	25.04	25.04	6 / 7			
reaction time	0.175	interval	5.58	6.01	6.72		# of strides	12.31	12.73	-0.42
velocity	7.43	8.96	8.32	7.44	7.99			8.12	7.86	

Heptathlon - Heat 2

date 15-Aug-09 wind -0.3 m/s Graubner (2009) - biomechanical analyses at the 12th IAAF world championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Pickler, Diana (USA) (1983)	time	6.77	12.33	18.29	24.75	24.75	5 / 1			
reaction time	0.173	interval	5.56	5.96	6.46		# of strides	12.33	12.42	-0.09
velocity	7.39	8.99	8.39	7.74	8.08			8.11	8.05	
De Aniceto, Marisa (FRA) (1986)	time	6.82	12.59	18.72	25.32	25.32	2 / 3			
reaction time	0.187	interval	5.77	6.13	6.60		# of strides	12.59	12.73	-0.14
velocity	7.33	8.67	8.16	7.58	7.90			7.94	7.86	

Heptathlon - Heat 1

date 15-Aug-09 wind 0.0 m/s Graubner (2009) - biomechanical analyses at the 12th IAAF world championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ennis, Jessica (GBR) (1986)	time	6.53	11.76	17.33	23.25	23.25	7 / 1			
reaction time	0.182	interval	5.23	5.57	5.92		# of strides	11.76	11.49	0.27
velocity	7.66	9.56	8.98	8.45	8.60			8.50	8.70	
Yosypenko, Lyudmyla (UKR) (1986)	time	6.67	12.01	17.64	23.86	23.86	5 / 2			
reaction time	0.177	interval	5.34	5.63	6.22		# of strides	12.01	11.85	0.16
velocity	7.50	9.36	8.88	8.04	8.38			8.33	8.44	
Tymińska, Karolina (POL) (1984)	time	6.72	12.04	17.75	23.87	23.87	4 / 3			
reaction time	0.174	interval	5.32	5.71	6.12		# of strides	12.04	11.83	0.21
velocity	7.44	9.40	8.76	8.17	8.38			8.31	8.45	
Melnychenko, Hanna (UKR) (1986)	time	6.53	11.96	17.79	24.11	24.11	2 / 4			
reaction time	0.140	interval	5.43	5.83	6.32	PB	# of strides	11.96	12.15	-0.19
velocity	7.66	9.21	8.58	7.91	8.30			8.36	8.23	
Chernova, Tatyana (RUS) (1988)	time	6.73	12.24	17.99	24.13	24.13	1 / 5			
reaction time	0.127	interval	5.51	5.75	6.14		# of strides	12.24	11.89	0.35
velocity	7.43	9.07	8.70	8.14	8.29			8.17	8.41	
Theisen, Brianne (CAN) (1988)	time	6.88	12.35	18.29	24.62	24.62	8 / 6			
reaction time	0.185	interval	5.47	5.94	6.33		# of strides	12.35	12.27	0.08
velocity	7.27	9.14	8.42	7.90	8.12			8.10	8.15	
Samuelsson, Jessica (SWE) (1986)	time	6.71	12.25	18.22	24.71	24.71	3 / 7			
reaction time	0.208	interval	5.54	5.97	6.49		# of strides	12.25	12.46	-0.21
velocity	7.45	9.03	8.38	7.70	8.09			8.16	8.03	
Wisse, Yvonne (NED) (1982)	time	6.84	12.28	18.26	24.78	24.78	6 / 8			
reaction time	0.173	interval	5.44	5.98	6.52		# of strides	12.28	12.50	-0.22
velocity	7.31	9.19	8.36	7.67	8.07			8.14	8.00	

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

date 01-Aug-09 wind 0.3 m/s Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tashiro, Narumi (JPN) (1991)	time	6.74	12.40	18.18	24.21	24.21	5 / 1			
	reaction time						# of strides	12.40	11.81	0.59
	velocity	7.42	8.83	8.65	8.29	8.26		8.06	8.47	
Igarashi, Yuka (JPN) (1991)	time	6.68	12.25	18.13	24.45	24.45	4 / 2			
	reaction time						# of strides	12.25	12.20	0.05
	velocity	7.49	8.98	8.50	7.91	8.18		8.16	8.20	
Seko, Nodoka (JPN) (1991)	time	6.69	12.30	18.18	24.50	24.50	8 / 3			
	reaction time						# of strides	12.30	12.20	0.10
	velocity	7.47	8.91	8.50	7.91	8.16		8.13	8.20	
Fukuda, Tomomi (JPN) (1991)	time	6.75	12.37	18.26	24.51	24.51	7 / 4			
	reaction time						# of strides	12.37	12.14	0.23
	velocity	7.41	8.90	8.49	8.00	8.16		8.08	8.24	
Hayakari, Narumi (JPN) (1991)	time	6.68	12.28	18.25	24.72	24.72	6 / 5			
	reaction time						# of strides	12.28	12.44	-0.16
	velocity	7.49	8.93	8.38	7.73	8.09		8.14	8.04	
Torihara, Saki (JPN) (1992)	time	6.79	12.50	18.39	24.76	24.76	3 / 6			
	reaction time						# of strides	12.50	12.26	0.24
	velocity	7.36	8.76	8.49	7.85	8.08		8.00	8.16	
Okuno, Yuko (JPN) (1993)	time	6.83	12.50	18.50	24.78	24.78	2 / 7			
	reaction time						# of strides	12.50	12.28	0.22
	velocity	7.32	8.82	8.33	7.96	8.07		8.00	8.14	
Yamada, Akari (JPN) (1992)	time		12.53	18.49	24.81	24.81	1 / 8			
	reaction time						# of strides	12.53	12.28	0.25
	velocity		7.98	8.39	7.91	8.06		7.98	8.14	

2009 Great City Games (Manchester, GBR) (150m straightaway)

FINAL

date 17-May-09 wind 0.1 m/s

(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Ferguson-McKenzie, Debbie (B)	time	6.16	11.14	16.54	16.54	/ 1			
	reaction time				PB	# of strides	11.14		10.38
	velocity	8.12	10.04	9.26	9.07		8.98		9.63
Ohuruogu, Christine (GBR) (19)	time	6.41	11.56	17.10	17.10	/ 2			
	reaction time					# of strides	11.56		10.69
	velocity	7.80	9.71	9.03	8.77		8.65		9.35
Thompson, Shaunna (GBR) (19)	time	6.40	11.60	17.20	17.20	/ 3			
	reaction time				PB	# of strides	11.60		10.80
	velocity	7.81	9.62	8.93	8.72		8.62		9.26
McConnell, Lee (GBR) (1978)	time	6.53	11.67	17.28	17.28	/ 4			
	reaction time				PB	# of strides	11.67		10.75
	velocity	7.66	9.73	8.91	8.68		8.57		9.30

B FINAL

date 17-May-09 wind 0.3 m/s

Jalava (2009) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Onuora, Anyika (GBR) (1984)	time		11.75	17.68	17.68	1 / 1			
	reaction time					# of strides	11.75		
	velocity		8.51	8.43	8.48		8.51		
Fraser, Donna (GBR) (1972)	time		11.89	17.74	17.74	2 / 2			
	reaction time				PB	# of strides	11.89		
	velocity		8.41	8.55	8.46		8.41		
Douglas, Montell (GBR) (1986)	time		11.85	17.78	17.78	3 / 3			
	reaction time					# of strides	11.85		
	velocity		8.44	8.43	8.44		8.44		

Claxton, Sarah (GBR) (1979)	time	12.03	18.13	18.13	4 / 4	
reaction time	interval		6.10	PB	# of strides	12.03
	velocity	8.31	8.20	8.27		8.31

Heat 2

date 17-May-09 wind -0.9 m/s

Jalava (2009) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Thompson, Shaunna (GBR) (1979)	time		11.73	17.37	17.37	/ 1			
reaction time	interval			5.64		# of strides	11.73		
	velocity		8.53	8.87	8.64		8.53		
Ohuruogu, Christine (GBR) (1984)	time		11.76	17.40	17.40	/ 2			
reaction time	interval			5.64		# of strides	11.76		
	velocity		8.50	8.87	8.62		8.50		
Onuora, Anyika (GBR) (1984)	time		11.98	17.98	17.98	/ 3			
reaction time	interval			6.00		# of strides	11.98		
	velocity		8.35	8.33	8.34		8.35		
Claxton, Sarah (GBR) (1979)	time		12.36	18.51	18.51	/ 4			
reaction time	interval			6.15		# of strides	12.36		
	velocity		8.09	8.13	8.10		8.09		

Heat 1

date 17-May-09 wind -0.8 m/s

Jalava (2009) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
Ferguson-McKenzie, Debbie (GBR) (1979)	time		11.43	16.90	16.90	2 / 1			
reaction time	interval			5.47		# of strides	11.43		
	velocity		8.75	9.14	8.88		8.75		
McConnell, Lee (GBR) (1978)	time		11.90	17.46	17.46	4 / 2			
reaction time	interval			5.56		# of strides	11.90		
	velocity		8.40	8.99	8.59		8.40		
Douglas, Montell (GBR) (1986)	time		11.87	17.83	17.83	3 / 3			
reaction time	interval			5.96		# of strides	11.87		
	velocity		8.42	8.39	8.41		8.42		
Fraser, Donna (GBR) (1972)	time		12.03	17.87	17.87	1 / 4			
reaction time	interval			5.84		# of strides	12.03		
	velocity		8.31	8.56	8.39		8.31		

2008 IAAF World Athletic Final (Stuttgart, GER)**FINAL**

date 13-Sep-08 wind 0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Richards, Sanya (USA) (1985)	time	6.36	11.48	16.83	22.50	22.50	3 / 1			
reaction time	0.156 interval		5.12	5.35	5.67		# of strides	11.48	11.02	0.46
	velocity	7.86	9.77	9.35	8.82	8.89		8.71	9.07	
Hooker, Mashevet (USA) (1984)	time	6.48	11.63	16.94	22.69	22.69	5 / 2			
reaction time	0.182 interval		5.15	5.31	5.75		# of strides	11.63	11.06	0.57
	velocity	7.72	9.71	9.42	8.70	8.81		8.60	9.04	
Stewart, Kerron (JAM) (1984)	time	6.41	11.51	16.88	22.72	22.72	4 / 3			
reaction time	0.162 interval		5.10	5.37	5.84		# of strides	11.51	11.21	0.30
	velocity	7.80	9.80	9.31	8.56	8.80		8.69	8.92	
Ferguson-McKenzie, Debbie (GBR) (1979)	time	6.41	11.54	16.95	22.89	22.89	7 / 4			
reaction time	0.163 interval		5.13	5.41	5.94		# of strides	11.54	11.35	0.19
	velocity	7.80	9.75	9.24	8.42	8.74		8.67	8.81	
Jeter, Carmelita (USA) (1979)	time	6.60	11.83	17.20	22.98	22.98	6 / 5			
reaction time	0.170 interval		5.23	5.37	5.78		# of strides	11.83	11.15	0.68
	velocity	7.58	9.56	9.31	8.65	8.70		8.45	8.97	
Williams, Lauryn (USA) (1983)	time	6.47	11.79	17.31	23.30	23.30	2 / 6			
reaction time	0.185 interval		5.32	5.52	5.99		# of strides	11.79	11.51	0.28

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

	velocity	7.73	9.40	9.06	8.35	8.58		8.48	8.69	
Gushchina, Yulia (RUS) (1983)	time	6.37	11.64	17.24	23.37	23.37	1 / 7			
	reaction time	0.148	interval	5.27	5.60	6.13	# of strides	11.64	11.73	-0.09
	velocity	7.85	9.49	8.93	8.16	8.56		8.59	8.53	
Hurtis-Houairi, Muriel (FRA) (1981)	time	6.57	11.75	17.34	23.43	23.43	8 / 8			
	reaction time	0.148	interval	5.18	5.59	6.09	# of strides	11.75	11.68	0.07
	velocity	7.61	9.65	8.94	8.21	8.54		8.51	8.56	

2008 Olympic Games (Beijing, CHN)

FINAL

date 21-Aug-08 wind 0.6 m/s er (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Campbell-Brown, Veronica (JAM) (1981)	time		11.00		21.74	21.74	4 / 1			
	reaction time	0.172	interval		10.74	PB	# of strides	11.00	10.74	0.26
	velocity		9.09		9.31	9.20	96.2	9.09	9.31	
Felix, Allyson (USA) (1985)	time		11.17		21.93	21.93	5 / 2			
	reaction time	0.193	interval		10.76		# of strides	11.17	10.76	0.41
	velocity		8.95		9.29	9.12	89.5	8.95	9.29	
Stewart, Kerron (JAM) (1984)	time		11.15		22.00	22.00	6 / 3			
	reaction time	0.199	interval		10.85		# of strides	11.15	10.85	0.30
	velocity		8.97		9.22	9.09	93.0	8.97	9.22	
Lee, Muna (USA) (1981)	time		11.10		22.01	22.01	9 / 4			
	reaction time	0.176	interval		10.91	PB	# of strides	11.10	10.91	0.19
	velocity		9.01		9.17	9.09	93.2	9.01	9.17	
Hooker, Marshvet (USA) (1984)	time		11.21		22.34	22.34	7 / 5			
	reaction time	0.200	interval		11.13	PB	# of strides	11.21	11.13	0.08
	velocity		8.92		8.98	8.95	92.5	8.92	8.98	
Simpson, Sherone (JAM) (1984)	time		11.32		22.36	22.36	8 / 6			
	reaction time	0.167	interval		11.04		# of strides	11.32	11.04	0.28
	velocity		8.83		9.06	8.94	98.2	8.83	9.06	
Ferguson-McKenzie, Debbie (Belize) (1981)	time		11.46		22.61	22.61	2 / 7			
	reaction time	0.175	interval		11.15		# of strides	11.46	11.15	0.31
	velocity		8.73		8.97	8.85	96.5	8.73	8.97	
Mothersill, Cydonie (CAY) (1978)	time		11.50		22.68	22.68	3 / 8			
	reaction time	0.206	interval		11.18		# of strides	11.50	11.18	0.32
	velocity		8.70		8.94	8.82	98.0	8.70	8.94	

2008 Japanese National High School Championships (Kumagaya, JPN)

FINAL

date 01-Aug-08 wind -2.4 m/s Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Imai, Saori (JPN) (1990)	time	6.61	12.17	18.10	24.35	24.35	/ 1			
	reaction time		interval	5.56	6.25		# of strides	12.17	12.18	-0.01
	velocity	7.56	8.99	8.43	8.00	8.21		8.22	8.21	
Seko, Nodoka (JPN) (1991)	time	6.65	12.30	18.31	24.80	24.80	/ 2			
	reaction time		interval	5.65	6.49		# of strides	12.30	12.50	-0.20
	velocity	7.52	8.85	8.32	7.70	8.06		8.13	8.00	
Watanabe, Misato (JPN) (1990)	time	6.72	12.30	18.32	24.81	24.81	/ 3			
	reaction time		interval	5.58	6.49		# of strides	12.30	12.51	-0.21
	velocity	7.44	8.96	8.31	7.70	8.06		8.13	7.99	
Ichikawa, Kana (JPN) (1991)	time	6.78	12.45	18.49	24.90	24.90	/ 4			
	reaction time		interval	5.67	6.41		# of strides	12.45	12.45	0.00
	velocity	7.37	8.82	8.28	7.80	8.03		8.03	8.03	
Banno, Rio (JPN) (1990)	time	6.68	12.37	18.48	24.93	24.93	/ 5			

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

reaction time	interval	5.69	6.11	6.45		# of strides	12.37	12.56	-0.19
	velocity	7.49	8.79	8.18	7.75	8.02	8.08	7.96	
Iwadate, Hanae (JPN) (1990)	time	6.82	12.48	18.54	24.97	24.97	/ 6		
reaction time	interval		5.66	6.06	6.43		# of strides	12.48	12.49
	velocity	7.33	8.83	8.25	7.78	8.01		8.01	-0.01
Kitamura, Chisato (JPN) (1990)	time	6.92	12.68	18.70	25.09	25.09	/ 7		
reaction time	interval		5.76	6.02	6.39		# of strides	12.68	12.41
	velocity	7.23	8.68	8.31	7.82	7.97		7.89	8.06
Iwatsubo, Yuki (JPN)	time	6.88	12.57	18.60	25.11	25.11	/ 8		
reaction time	interval		5.69	6.03	6.51		# of strides	12.57	12.54
	velocity	7.27	8.79	8.29	7.68	7.96		7.96	7.97

2008 Windsprint (Sundsvall, SWE)**FINAL**

		date	06-Jul-08	wind	1.3 m/s	(2008) - www.ssg.se/en/Windsprint/Split-times/						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
McLaughlin, Anneshia (JAM) (1986)	time				11.90	17.52	23.67	23.67	5 / 1			
	reaction time	interval				5.62	6.15		# of strides	11.90	11.77	0.13
		velocity			8.40	8.90	8.13	8.45			8.40	8.50
Slettum, Elisabeth (NOR) (1986)	time				12.12	17.81	23.87	23.87	2 / 2			
	reaction time	interval				5.69	6.06		# of strides	12.12	11.75	0.37
		velocity			8.25	8.79	8.25	8.38			8.25	8.51
Harmon, Donita (USA) (1983)	time				12.14	17.86	23.95	23.95	6 / 3			
	reaction time	interval				5.72	6.09		# of strides	12.14	11.81	0.33
		velocity			8.24	8.74	8.21	8.35			8.24	8.47
Pillay, Geraldine (RSA) (1977)	time				12.15	17.89	24.12	24.12	4 / 4			
	reaction time	interval				5.74	6.23		# of strides	12.15	11.97	0.18
		velocity			8.23	8.71	8.03	8.29			8.23	8.35

B FINAL

FINAL

	date	06-Jul-08	wind	1.2 m/s	(2008) - www.ssg.se/en/Windsprint/Split-times/						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Berntsson, Lena (SWE) (1978)	time			12.17	18.08	24.47	24.47	6 / 1			
	reaction time	interval			5.91	6.39		# of strides	12.17	12.30	-0.13
		velocity		8.22	8.46	7.82	8.17		8.22	8.13	
Helgesen, Irene (NOR) (1985)	time			12.27	18.21	24.47	24.47	3 / 2			
	reaction time	interval			5.94	6.26		# of strides	12.27	12.20	0.07
		velocity		8.15	8.42	7.99	8.17		8.15	8.20	
Neal, Tangelia (USA) (1979)	time			12.25	18.12	24.51	24.51	4 / 3			
	reaction time	interval			5.87	6.39		# of strides	12.25	12.26	-0.01
		velocity		8.16	8.52	7.82	8.16		8.16	8.16	
Salivaara, Katja (FIN) (1980)	time			12.56	18.71	25.52	25.52	5 / 4			
	reaction time	interval			6.15	6.81		# of strides	12.56	12.96	-0.40
		velocity		7.96	8.13	7.34	7.84		7.96	7.72	

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

FINAL	date	06-Jul-08	wind	5.6 m/s	USATF Women's Sprint Development with HPC (2008)						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time		6.30	11.28	16.33	21.82	21.82	5 / 1			
	reaction time	interval		4.98	5.05	5.49		# of strides	11.28	10.54	0.74
		velocity	7.94	10.04	9.90	9.11	9.17		8.87	9.49	
Lee, Muna (USA) (1981)	time		6.27	11.28	16.38	21.99	21.99	6 / 2			
	reaction time	interval		5.01	5.10	5.61		# of strides	11.28	10.71	0.57
		velocity	7.97	9.98	9.80	8.91	9.10		8.87	9.34	
Hooker, Marshevet (USA) (1984)	time		6.29	11.41	16.53	22.20	22.20	7 / 3			
	reaction time	interval		5.12	5.12	5.67		# of strides	11.41	10.79	0.62

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

	velocity	7.95	9.77	9.77	8.82	9.01		8.76	9.27	
Williams, Lauryn (USA) (1983)	time	6.21	11.31	16.62	22.21	22.21	3 / 4			
reaction time	interval		5.10	5.31	5.59		# of strides	11.31	10.90	0.41
	velocity	8.05	9.80	9.42	8.94	9.00		8.84	9.17	
Knight, Bianca (USA) (1989)	time	6.23	11.33	16.58	22.25	22.25	4 / 5			
reaction time	interval		5.10	5.25	5.67		# of strides	11.33	10.92	0.41
	velocity	8.03	9.80	9.52	8.82	8.99		8.83	9.16	
Jeter, Carmelita (USA) (1979)	time	6.38	11.51	16.71	22.35	22.35	2 / 6			
reaction time	interval		5.13	5.20	5.64		# of strides	11.51	10.84	0.67
	velocity	7.84	9.75	9.62	8.87	8.95		8.69	9.23	
Solomon, Shalonda (USA) (1988)	time	6.31	11.46	16.69	22.36	22.36	8 / 7			
reaction time	interval		5.15	5.23	5.67		# of strides	11.46	10.90	0.56
	velocity	7.92	9.71	9.56	8.82	8.94		8.73	9.17	

Semi-Final 2

Semi-Final 2		date	05-Jul-08	wind	0.0 m/s	USATF Women's Sprint Development with HPC (2008)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time			6.34	11.37	16.53	22.22	22.22	6 / 1			
	reaction time				5.03	5.16	5.69		# of strides	11.37	10.85	0.52
	velocity			7.89	9.94	9.69	8.79	9.00		8.80	9.22	
Lee, Muna (USA) (1981)	time			6.34	11.40	16.60	22.33	22.33	8 / 2			
	reaction time				5.06	5.20	5.73		# of strides	11.40	10.93	0.47
	velocity			7.89	9.88	9.62	8.73	8.96		8.77	9.15	
Solomon, Shalonda (USA) (1988)	time			6.34	11.56	16.76	22.48	22.48	4 / 3			
	reaction time				5.22	5.20	5.72		# of strides	11.56	10.92	0.64
	velocity			7.89	9.58	9.62	8.74	8.90		8.65	9.16	
Jeter, Carmelita (USA) (1979)	time			6.41	11.53	16.75	22.61	22.61	7 / 4			
	reaction time				5.12	5.22	5.86		# of strides	11.53	11.08	0.45
	velocity			7.80	9.77	9.58	8.53	8.85		8.67	9.03	
Floyd, Ebonie (USA) (1983)	time			6.45	11.75	16.96	22.63	22.63	5 / 5			
	reaction time				5.30	5.21	5.67		# of strides	11.75	10.88	0.87
	velocity			7.75	9.43	9.60	8.82	8.84		8.51	9.19	
Durst, Stephanie (USA) (1982)	time			6.35	11.52	16.97	22.99	22.99	2 / 6			
	reaction time				5.17	5.45	6.02		# of strides	11.52	11.47	0.05
	velocity			7.87	9.67	9.17	8.31	8.70		8.68	8.72	
Barber, Mikele (USA) (1980)	time			6.50	11.66	17.08	23.04	23.04	3 / 7			
	reaction time				5.16	5.42	5.96		# of strides	11.66	11.38	0.28
	velocity			7.69	9.69	9.23	8.39	8.68		8.58	8.79	
Cole, Leslie (USA) (1987)	time			6.69	12.01	17.38	23.24	23.24	1 / 8			
	reaction time				5.32	5.37	5.86	PB	# of strides	12.01	11.23	0.78
	velocity			7.47	9.40	9.31	8.53	8.61		8.33	8.90	

Semi-Final 1

emi-Final 1		date	05-Jul-08	wind -0.1 m/s			USATF Women's Sprint Development with HPC (2008)					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Knight, Bianca (USA) (1989)	time			6.32	11.48	16.72	22.53	22.53	5 / 1			
	reaction time	interval			5.16	5.24	5.81		# of strides	11.48	11.05	0.43
		velocity		7.91	9.69	9.54	8.61	8.88		8.71	9.05	
Hooker, Marshvet (USA) (1984)	time			6.44	11.61	16.81	22.55	22.55	4 / 2			
	reaction time	interval			5.17	5.20	5.74		# of strides	11.61	10.94	0.67
		velocity		7.76	9.67	9.62	8.71	8.87		8.61	9.14	
Williams, Lauryn (USA) (1983)	time			6.34	11.53	16.76	22.59	22.59	3 / 3			
	reaction time	interval			5.19	5.23	5.83		# of strides	11.53	11.06	0.47
		velocity		7.89	9.63	9.56	8.58	8.85		8.67	9.04	

Edwards, Torri (USA) (1977)	time	6.31	11.46	16.76	22.66	22.66	7 / 4			
	reaction time	interval	5.15	5.30	5.90		# of strides	11.46	11.20	0.26
	velocity	7.92	9.71	9.43	8.47	8.83		8.73	8.93	
Moore, LaShaunte'a (USA) (1987)	time	6.45	11.77	17.09	23.02	23.02	6 / 5			
	reaction time	interval	5.32	5.32	5.93		# of strides	11.77	11.25	0.52
	velocity	7.75	9.40	9.40	8.43	8.69		8.50	8.89	
Anderson, Alexandria (USA) (1987)	time	6.37	11.66	17.10	23.21	23.21	8 / 6			
	reaction time	interval	5.29	5.44	6.11		# of strides	11.66	11.55	0.11
	velocity	7.85	9.45	9.19	8.18	8.62		8.58	8.66	
Williams, Charonda (USA) (1987)	time	6.54	11.88	17.45	23.37	23.37	2 / 7			
	reaction time	interval	5.34	5.57	5.92		# of strides	11.88	11.49	0.39
	velocity	7.65	9.36	8.98	8.45	8.56		8.42	8.70	
Lucas, Porscha (USA) (1988)	time	6.59	11.99	17.50	23.44	23.44	1 / 8			
	reaction time	interval	5.40	5.51	5.94		# of strides	11.99	11.45	0.54
	velocity	7.59	9.26	9.07	8.42	8.53		8.34	8.73	

Quarter-Final 4

date 05-Jul-08 wind -1.3 m/s USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Knight, Bianca (USA) (1989)	time	6.26	11.54	16.83	22.81	22.81	6 / 1			
	reaction time	interval	5.28	5.29	5.98		# of strides	11.54	11.27	0.27
	velocity	7.99	9.47	9.45	8.36	8.77		8.67	8.87	
Edwards, Torri (USA) (1977)	time	6.25	11.60	16.93	23.09	23.09	7 / 2			
	reaction time	interval	5.35	5.33	6.16		# of strides	11.60	11.49	0.11
	velocity	8.00	9.35	9.38	8.12	8.66		8.62	8.70	
Barber, Mikele (USA) (1980)	time	6.55	12.03	17.39	23.33	23.33	5 / 3			
	reaction time	interval	5.48	5.36	5.94		# of strides	12.03	11.30	0.73
	velocity	7.63	9.12	9.33	8.42	8.57		8.31	8.85	
Lewis, Mechelle (USA) (1980)	time	6.27	11.76	17.22	23.55	23.55	8 / 4			
	reaction time	interval	5.49	5.46	6.33		# of strides	11.76	11.79	-0.03
	velocity	7.97	9.11	9.16	7.90	8.49		8.50	8.48	
Knight, Natalie (USA) (1986)	time	6.54	12.06	17.52	23.57	23.57	4 / 5			
	reaction time	interval	5.52	5.46	6.05		# of strides	12.06	11.51	0.55
	velocity	7.65	9.06	9.16	8.26	8.49		8.29	8.69	
Roseby, Hasani (USA) (1982)	time	6.34	11.90	17.53	23.81	23.81	3 / 6			
	reaction time	interval	5.56	5.63	6.28		# of strides	11.90	11.91	-0.01
	velocity	7.89	8.99	8.88	7.96	8.40		8.40	8.40	

Quarter-Final 3

date 05-Jul-08 wind 0.0 m/s USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hooker, Marshvet (USA) (1984)	time	6.57	11.69	16.93	22.74	22.74	5 / 1			
	reaction time	interval	5.12	5.24	5.81		# of strides	11.69	11.05	0.64
	velocity	7.61	9.77	9.54	8.61	8.80		8.55	9.05	
Jeter, Carmelita (USA) (1979)	time	6.54	11.73	16.93	22.90	22.90	7 / 2			
	reaction time	interval	5.19	5.20	5.97		# of strides	11.73	11.17	0.56
	velocity	7.65	9.63	9.62	8.38	8.73		8.53	8.95	
Williams, Lauryn (USA) (1983)	time	6.47	11.70	17.08	23.12	23.12	4 / 3			
	reaction time	interval	5.23	5.38	6.04		# of strides	11.70	11.42	0.28
	velocity	7.73	9.56	9.29	8.28	8.65		8.55	8.76	
Lucas, Porscha (USA) (1988)	time	6.45	11.88	17.30	23.33	23.33	6 / 4			
	reaction time	interval	5.43	5.42	6.03		# of strides	11.88	11.45	0.43
	velocity	7.75	9.21	9.23	8.29	8.57		8.42	8.73	
Cole, Leslie (USA) (1987)	time	6.69	11.94	17.37	23.36	23.36	8 / 5			
	reaction time	interval	5.25	5.43	5.99	PB	# of strides	11.94	11.42	0.52

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

velocity	7.47	9.52	9.21	8.35	8.56	8.38	8.76
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Myrick, Wyllesheia (USA) (1979)	time	6.54	11.81	17.38	23.43	23.43	3 / 6			
reaction time	interval		5.27	5.57	6.05		# of strides	11.81	11.62	0.19
	velocity	7.65	9.49	8.98	8.26	8.54		8.47	8.61	

Quarter-Final 2

date 05-Jul-08

wind 1.3 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Floyd, Ebonie (USA) (1983)	time	6.62	12.02	17.31	23.05	23.05	6 / 1			
reaction time	interval		5.40	5.29	5.74		# of strides	12.02	11.03	0.99
	velocity	7.55	9.26	9.45	8.71	8.68		8.32	9.07	
Felix, Allyson (USA) (1985)	time	6.51	11.71	17.13	23.09	23.09	5 / 2			
reaction time	interval		5.20	5.42	5.96		# of strides	11.71	11.38	0.33
	velocity	7.68	9.62	9.23	8.39	8.66		8.54	8.79	
Anderson, Alexandria (USA) (1987)	time	6.52	11.81	17.28	23.28	23.28	7 / 3			
reaction time	interval		5.29	5.47	6.00		# of strides	11.81	11.47	0.34
	velocity	7.67	9.45	9.14	8.33	8.59		8.47	8.72	
Williams, Charonda (USA) (1987)	time	6.60	11.94	17.46	23.35	23.35	3 / 4			
reaction time	interval		5.34	5.52	5.89		# of strides	11.94	11.41	0.53
	velocity	7.58	9.36	9.06	8.49	8.57		8.38	8.76	
Wilson, Latonia (USA) (1984)	time	6.56	11.92	17.43	23.54	23.54	4 / 5			
reaction time	interval		5.36	5.51	6.11		# of strides	11.92	11.62	0.30
	velocity	7.62	9.33	9.07	8.18	8.50		8.39	8.61	
Layne, Lynne (USA) (1988)	time	6.67	12.11	17.55	23.75	23.75	8 / 6			
reaction time	interval		5.44	5.44	6.20		# of strides	12.11	11.64	0.47
	velocity	7.50	9.19	9.19	8.06	8.42		8.26	8.59	

Quarter-Final 1

date 05-Jul-08

wind 1.6 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Solomon, Shalonda (USA) (1988)	time	6.49	11.57	16.95	22.68	22.68	6 / 1			
reaction time	interval		5.08	5.38	5.73		# of strides	11.57	11.11	0.46
	velocity	7.70	9.84	9.29	8.73	8.82		8.64	9.00	
Moore, LaShaunte'a (USA) (1988)	time	6.49	11.53	16.95	22.72	22.72	8 / 2			
reaction time	interval		5.04	5.42	5.77		# of strides	11.53	11.19	0.34
	velocity	7.70	9.92	9.23	8.67	8.80		8.67	8.94	
Lee, Muna (USA) (1981)	time	6.52	11.52	16.97	22.84	22.84	5 / 3			
reaction time	interval		5.00	5.45	5.87		# of strides	11.52	11.32	0.20
	velocity	7.67	10.00	9.17	8.52	8.76		8.68	8.83	
Durst, Stephanie (USA) (1982)	time	6.49	11.68	17.28	23.27	23.27	7 / 4			
reaction time	interval		5.19	5.60	5.99		# of strides	11.68	11.59	0.09
	velocity	7.70	9.63	8.93	8.35	8.59		8.56	8.63	
Hastings, Natasha (USA) (1986)	time	6.52	11.79	17.53	23.55	23.55	3 / 5			
reaction time	interval		5.27	5.74	6.02		# of strides	11.79	11.76	0.03
	velocity	7.67	9.49	8.71	8.31	8.49		8.48	8.50	
Lowery, Santana (USA) (1987)	time	6.52	11.87	17.58	23.84	23.84	4 / 6			
reaction time	interval		5.35	5.71	6.26		# of strides	11.87	11.97	-0.10
	velocity	7.67	9.35	8.76	7.99	8.39		8.42	8.35	

Heat 5

date 04-Jul-08

wind 2.0 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Solomon, Shalonda (USA) (1988)	time	6.34	11.54	16.80	22.51	22.51	7 / 1			
reaction time	interval		5.20	5.26	5.71		# of strides	11.54	10.97	0.57
	velocity	7.89	9.62	9.51	8.76	8.88		8.67	9.12	
Edwards, Torri (USA) (1977)	time	6.44	11.62	16.88	22.87	22.87	8 / 2			
reaction time	interval		5.18	5.26	5.99		# of strides	11.62	11.25	0.37

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

	velocity	7.76	9.65	9.51	8.35	8.75		8.61	8.89	
Lucas, Porscha (USA) (1988)	time	6.54	11.72	17.28	23.20	23.20	3 / 3			
reaction time	interval		5.18	5.56	5.92		# of strides	11.72	11.48	0.24
	velocity	7.65	9.65	8.99	8.45	8.62		8.53	8.71	
Lowery, Santana (USA) (1987)	time	6.57	11.89	17.40	23.34	23.34	6 / 4			
reaction time	interval		5.32	5.51	5.94	PB	# of strides	11.89	11.45	0.44
	velocity	7.61	9.40	9.07	8.42	8.57		8.41	8.73	
Cox, Shana (USA) (1985)	time	6.70	12.02	17.55	23.50	23.50	5 / 5			
reaction time	interval		5.32	5.53	5.95		# of strides	12.02	11.48	0.54
	velocity	7.46	9.40	9.04	8.40	8.51		8.32	8.71	
Ivery, Lakadron (USA) (1983)	time	6.52	11.78	17.70	23.88	23.88	2 / 6			
reaction time	interval		5.26	5.92	6.18		# of strides	11.78	12.10	-0.32
	velocity	7.67	9.51	8.45	8.09	8.38		8.49	8.26	

Heat 4

Heat 4		date	04-Jul-08	wind	1.2 m/s		USATF Women's Sprint Development with HPC (2008)					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jeter, Carmelita (USA) (1979)	time			6.49	11.82	17.23	23.21	23.21	3 / 1			
	reaction time				5.33	5.41	5.98		# of strides	11.82	11.39	0.43
	velocity			7.70	9.38	9.24	8.36	8.62		8.46	8.78	
Floyd, Ebonie (USA) (1983)	time			6.60	11.91	17.40	23.49	23.49	7 / 2			
	reaction time				5.31	5.49	6.09		# of strides	11.91	11.58	0.33
	velocity			7.58	9.42	9.11	8.21	8.51		8.40	8.64	
Wilson, Latonia (USA) (1984)	time			6.57	11.97	17.45	23.56	23.56	9 / 3			
	reaction time				5.40	5.48	6.11		# of strides	11.97	11.59	0.38
	velocity			7.61	9.26	9.12	8.18	8.49		8.35	8.63	
Myrick, Wyllesheia (USA) (1979)	time			6.67	12.08	17.57	23.66	23.66	8 / 4			
	reaction time				5.41	5.49	6.09		# of strides	12.08	11.58	0.50
	velocity			7.50	9.24	9.11	8.21	8.45		8.28	8.64	

Heat 3

heat 3		date	04-Jul-08	wind	0.5 m/s		USATF Women's Sprint Development with HPC (2008)					
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time			6.37	11.54	16.83	22.68	22.68	6 / 1			
	reaction time				5.17	5.29	5.85		# of strides	11.54	11.14	0.40
	velocity			7.85	9.67	9.45	8.55	8.82	88.2	8.67	8.98	
Durst, Stephanie (USA) (1982)	time			6.37	11.62	17.17	23.15	23.15	2 / 2			
	reaction time				5.25	5.55	5.98		# of strides	11.62	11.53	0.09
	velocity			7.85	9.52	9.01	8.36	8.64	101.0	8.61	8.67	
Knight, Natalie (USA) (1986)	time			6.59	11.91	17.38	23.38	23.38	5 / 3			
	reaction time				5.32	5.47	6.00		# of strides	11.91	11.47	0.44
	velocity			7.59	9.40	9.14	8.33	8.55	93.0	8.40	8.72	
Roseby, Hasani (USA) (1982)	time			6.33	11.72	17.26	23.45	23.45	8 / 4			
	reaction time				5.39	5.54	6.19		# of strides	11.72	11.73	-0.01
	velocity			7.90	9.28	9.03	8.08	8.53	99.2	8.53	8.53	
Layne, Lynne (USA) (1988)	time			6.37	11.66	17.30	23.47	23.47	3 / 5			
	reaction time				5.29	5.64	6.17		# of strides	11.66	11.81	-0.15
	velocity			7.85	9.45	8.87	8.10	8.52	99.5	8.58	8.47	
Hastings, Natasha (USA) (1986)	time			6.67	11.91	17.50	23.49	23.49	7 / 6			
	reaction time				5.24	5.59	5.99		# of strides	11.91	11.58	0.33
	velocity			7.50	9.54	8.94	8.35	8.51	97.2	8.40	8.64	
Rooks, Cynethia (USA) (1984)	time			6.62	11.96	17.55	23.66	23.66	4 / 7			
	reaction time				5.34	5.59	6.11		# of strides	11.96	11.70	0.26
	velocity			7.55	9.36	8.94	8.18	8.45	103.5	8.36	8.55	

Heat 2

date 04-Jul-08

wind 0.0 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Knight, Bianca (USA) (1989)	time	6.35	11.50	16.85	22.74	22.74	5 / 1			
	reaction time		5.15	5.35	5.89		# of strides	11.50	11.24	0.26
	velocity	7.87	9.71	9.35	8.49	8.80		8.70	8.90	
Anderson, Alexandria (USA) (1989)	time	6.37	11.66	17.05	23.10	23.10	4 / 2			
	reaction time		5.29	5.39	6.05		# of strides	11.66	11.44	0.22
	velocity	7.85	9.45	9.28	8.26	8.66		8.58	8.74	
Barber, Mikele (USA) (1980)	time	6.62	11.88	17.20	23.10	23.10	6 / 3			
	reaction time		5.26	5.32	5.90		# of strides	11.88	11.22	0.66
	velocity	7.55	9.51	9.40	8.47	8.66		8.42	8.91	
Moore, LaShaunte'a (USA) (1988)	time	6.50	11.79	17.28	23.17	23.17	3 / 4			
	reaction time		5.29	5.49	5.89		# of strides	11.79	11.38	0.41
	velocity	7.69	9.45	9.11	8.49	8.63		8.48	8.79	
Cole, Leslie (USA) (1987)	time	6.64	11.99	17.41	23.37	23.37	7 / 5			
	reaction time		5.35	5.42	5.96	PB	# of strides	11.99	11.38	0.61
	velocity	7.53	9.35	9.23	8.39	8.56		8.34	8.79	
Lewis, Mechelle (USA) (1980)	time	6.47	11.72	17.30	23.40	23.40	2 / 6			
	reaction time		5.25	5.58	6.10		# of strides	11.72	11.68	0.04
	velocity	7.73	9.52	8.96	8.20	8.55		8.53	8.56	

Heat 1

date 04-Jul-08

wind 1.4 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hooker, Marshvet (USA) (1984)	time	6.51	11.79	17.10	22.87	22.87	6 / 1			
	reaction time		5.28	5.31	5.77		# of strides	11.79	11.08	0.71
	velocity	7.68	9.47	9.42	8.67	8.75	94.0	8.48	9.03	
Lee, Muna (USA) (1981)	time		11.87	17.31	23.27	23.27	7 / 2			
	reaction time			5.44	5.96		# of strides	11.87	11.40	0.47
	velocity		8.42	9.19	8.39	8.59	90.0	8.42	8.77	
Williams, Lauryn (USA) (1983)	time		11.91	17.33	23.30	23.30	8 / 3			
	reaction time			5.42	5.97		# of strides	11.91	11.39	0.52
	velocity		8.40	9.23	8.38	8.58	100.5	8.40	8.78	
Williams, Charonda (USA) (1987)	time	6.51	11.89	17.37	23.37	23.37	3 / 4			
	reaction time		5.38	5.48	6.00		# of strides	11.89	11.48	0.41
	velocity	7.68	9.29	9.12	8.33	8.56	100.0	8.41	8.71	
Kidd, Ashlee (USA) (1985)	time	6.59	12.09	17.66	23.69	23.69	4 / 5			
	reaction time		5.50	5.57	6.03		# of strides	12.09	11.60	0.49
	velocity	7.59	9.09	8.98	8.29	8.44	92.0	8.27	8.62	
Miller, Scottesha (USA) (1988)	time	6.62	12.11	17.66	23.92	23.92	5 / 6			
	reaction time		5.49	5.55	6.26		# of strides	12.11	11.81	0.30
	velocity	7.55	9.11	9.01	7.99	8.36	95.0	8.26	8.47	

2008 USATF National Junior Championships (Columbus, OH)

FINAL

date 22-Jun-08

wind -2.4 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Townsend, Tiffany (USA) (1989)	time		12.11	17.63	23.60	23.60	4 / 1			
	reaction time			5.52	5.97		# of strides	12.11	11.49	0.62
	velocity		8.26	9.06	8.38	8.47		8.26	8.70	
Jordan, Victoria (USA) (1990)	time		12.02	17.62	23.73	23.73	8 / 2			
	reaction time			5.60	6.11		# of strides	12.02	11.71	0.31
	velocity		8.32	8.93	8.18	8.43		8.32	8.54	
Purvis, Ashton (USA) (1992)	time		11.99	17.61	23.80	23.80	7 / 3			
	reaction time			5.62	6.19		# of strides	11.99	11.81	0.18

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

	velocity	8.34	8.90	8.08	8.40		8.34	8.47	
McGrone, Candyce (USA) (1989)	time	11.96	17.57	23.84	23.84	6 / 4			
reaction time	interval		5.61	6.27		# of strides	11.96	11.88	0.08
	velocity	8.36	8.91	7.97	8.39		8.36	8.42	
Davis, Jessica (USA) (1992)	time	11.93	17.78	24.02	24.02	9 / 5			
reaction time	interval		5.85	6.24		# of strides	11.93	12.09	-0.16
	velocity	8.38	8.55	8.01	8.33		8.38	8.27	
Collier, Ashley (USA) (1992)	time	12.24	17.95	24.12	24.12	5 / 6			
reaction time	interval		5.71	6.17		# of strides	12.24	11.88	0.36
	velocity	8.17	8.76	8.10	8.29		8.17	8.42	
Floyd, Kalyn (USA) (1989)	time	12.19	17.93	24.29	24.29	3 / 7			
reaction time	interval		5.74	6.36		# of strides	12.19	12.10	0.09
	velocity	8.20	8.71	7.86	8.23		8.20	8.26	
Glenn, Gabrielle (USA) (1989)	time	12.32	18.20	24.36	24.36	1 / 8			
reaction time	interval		5.88	6.16		# of strides	12.32	12.04	0.28
	velocity	8.12	8.50	8.12	8.21		8.12	8.31	

2007 IAAF World Athletic Final (Stuttgart, GER)

FINAL

date 22-Sep-07 wind 0.5 m/s

Graubner (2007) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hurtis-Houairi, Muriel (FRA) (1981)	time	6.40	11.43	16.85	22.73	22.73	5 / 1			
reaction time	interval		5.03	5.42	5.88		# of strides	11.43	11.30	0.13
	velocity	7.81	9.94	9.23	8.50	8.80		8.75	8.85	
Ferguson-McKenzie, Debbie (Belize) (1962)	time	6.29	11.44	16.89	22.74	22.74	4 / 2			
reaction time	interval		5.15	5.45	5.85		# of strides	11.44	11.30	0.14
	velocity	7.95	9.71	9.17	8.55	8.80		8.74	8.85	
Moore, LaShaunte'a (USA) (1982)	time	6.40	11.52	16.93	22.78	22.78	3 / 3			
reaction time	interval		5.12	5.41	5.85		# of strides	11.52	11.26	0.26
	velocity	7.81	9.77	9.24	8.55	8.78		8.68	8.88	
Gevaert, Kim (BEL) (1978)	time	6.31	11.43	16.95	22.84	22.84	7 / 4			
reaction time	interval		5.12	5.52	5.89		# of strides	11.43	11.41	0.02
	velocity	7.92	9.77	9.06	8.49	8.76		8.75	8.76	
Williams, Lauryn (USA) (1983)	time	6.34	11.49	16.96	22.94	22.94	8 / 5			
reaction time	interval		5.15	5.47	5.98		# of strides	11.49	11.45	0.04
	velocity	7.89	9.71	9.14	8.36	8.72		8.70	8.73	
Maduaka, Joice (GBR) (1973)	time	6.46	11.86	17.44	23.36	23.36	1 / 6			
reaction time	interval		5.40	5.58	5.92		# of strides	11.86	11.50	0.36
	velocity	7.74	9.26	8.96	8.45	8.56		8.43	8.70	
Durst, Stephanie (USA) (1982)	time	6.41	11.59	17.21	23.50	23.50	6 / 7			
reaction time	interval		5.18	5.62	6.29		# of strides	11.59	11.91	-0.32
	velocity	7.80	9.65	8.90	7.95	8.51		8.63	8.40	

2007 IAAF World Championships (Osaka, JPN)

FINAL

date 31-Aug-07 wind 1.7 m/s

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

Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time	6.19	11.15	16.28	21.81	21.81	5 / 1			Ae (2008)
reaction time 0.172	interval		4.96	5.13	5.53	PB	# of strides	11.15	10.66	0.49
	velocity	8.08	10.08	9.75	9.04	9.17	87.5	8.97	9.38	
Campbell, Veronica (JAM) (1982)	time	6.19	11.10	16.43	22.34	22.34	6 / 2			Ae (2008)
reaction time 0.161	interval		4.91	5.33	5.91		# of strides	11.10	11.24	-0.14
	velocity	8.08	10.18	9.38	8.46	8.95	97.2	9.01	8.90	
Jayasinghe, Susanthika (SRI) (1981)	time	6.36	11.45	16.82	22.63	22.63	8 / 3			Ae (2008)

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

reaction time	0.200	interval	5.09	5.37	5.81	# of strides	11.45	11.18	0.27	
		velocity	7.86	9.82	9.31	8.61	8.84	94.7	8.73	8.94
Edwards, Torri (USA) (1977)	time		11.3		22.65	22.65	3 / 4			<i>Butler (2013)</i>
reaction time	0.136	interval			11.35		# of strides	11.30	11.35	-0.05
		velocity		8.85	8.81	8.83	98.2	8.85	8.81	
Richards, Sanya (USA) (1985)	time		11.5		22.70	22.70	7 / 5			<i>Butler (2013)</i>
reaction time	0.239	interval			11.20		# of strides	11.50	11.20	0.30
		velocity		8.70	8.93	8.81	95.2	8.70	8.93	
Bailey, Aleen (JAM) (1980)	time		11.4		22.72	22.72	4 / 6			<i>Butler (2013)</i>
reaction time	0.191	interval			11.32		# of strides	11.40	11.32	0.08
		velocity		8.77	8.83	8.80	92.7	8.77	8.83	
Moore, LaShauntea (USA) (1983)	time		11.5		22.97	22.97	9 / 7			<i>Butler (2013)</i>
reaction time	0.204	interval			11.47		# of strides	11.50	11.47	0.03
		velocity		8.70	8.72	8.71	94.5	8.70	8.72	
Mothersill, Cydonie (CAY) (1978)	time		11.7		23.08	23.08	2 / 8			<i>Butler (2013)</i>
reaction time	0.193	interval			11.38		# of strides	11.70	11.38	0.32
		velocity		8.55	8.79	8.67	98.0	8.55	8.79	

2007 Japanese National High School Championships (Saga, JPN)

FINAL

date	04-Aug-07	wind	-2.1 m/s	<i>Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics</i>						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tomoko, Inada (JPN)	time	6.75	12.41	18.49	24.90	24.90	5 / 1			
reaction time	interval		5.66	6.08	6.41		# of strides	12.41	12.49	-0.08
	velocity		7.41	8.83	8.22	8.03		8.06	8.01	
Sano, Fuyumi (JPN) (1989)	time	6.79	12.58	18.72	25.08	25.08	1 / 2			
reaction time	interval		5.79	6.14	6.36		# of strides	12.58	12.50	0.08
	velocity		7.36	8.64	8.14	7.97		7.95	8.00	
Sakiyama, Ayaka (JPN)	time	6.71	12.40	18.55	25.08	25.08	6 / 3			
reaction time	interval		5.69	6.15	6.53		# of strides	12.40	12.68	-0.28
	velocity		7.45	8.79	8.13	7.66	7.97	8.06	7.89	

2007 Windsprint (Sundsvall, SWE)

FINAL

date	24-Jul-07	wind	0.6 m/s	<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Dorobisz, Iwona (POL) (1980)	time		12.03	17.72	23.99	23.99	6 / 1			
reaction time	interval			5.69	6.27		# of strides	12.03	11.96	0.07
	velocity			8.31	8.79	8.34		8.31	8.36	
Aruhn, Lena (SWE) (1970)	time		12.15	17.87	24.00	24.00	5 / 2			
reaction time	interval			5.72	6.13		# of strides	12.15	11.85	0.30
	velocity			8.23	8.74	8.33		8.23	8.44	
Washington, Demetria (USA) (1971)	time		12.19	17.89	24.17	24.17	3 / 3			
reaction time	interval			5.70	6.28		# of strides	12.19	11.98	0.21
	velocity			8.20	8.77	8.27		8.20	8.35	
Cunningham, Nadia (JAM) (1977)	time		12.25	17.99	24.19	24.19	4 / 4			
reaction time	interval			5.74	6.20		# of strides	12.25	11.94	0.31
	velocity			8.16	8.71	8.06	8.27	8.16	8.38	

B FINAL

date	24-Jul-07	wind	2.0 m/s	<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ström, Malin (SWE) (1986)	time		12.33	18.15	24.39	24.39	4 / 1			
reaction time	interval			5.82	6.24		# of strides	12.33	12.06	0.27
	velocity			8.11	8.59	8.01	8.20	8.11	8.29	
Henriksson, Malin (SWE) (1978)	time		12.50	18.43	24.78	24.78	5 / 2			
reaction time	interval			5.93	6.35		# of strides	12.50	12.28	0.22

	velocity	8.00	8.43	7.87	8.07		8.00	8.14	
Agerbjer, Emma (SWE) (1985)	time	12.52	18.52	24.79	24.79	3 / 3			
reaction time	interval		6.00	6.27		# of strides	12.52	12.27	0.25
	velocity	7.99	8.33	7.97	8.07		7.99	8.15	
Eurenus, Isabelle (SWE) (1989)	time	12.57	18.55	25.14	25.14	2 / 4			
reaction time	interval		5.98	6.59	PB	# of strides	12.57	12.57	0.00
	velocity	7.96	8.36	7.59	7.96		7.96	7.96	

C FINALdate 24-Jul-07 wind 0.2 m/s (2007) - www.ssg.se/en/Windsprint/Split-times/

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Edfors, Cecilia (SWE) (1987)	time	★	13.20	19.42	26.24	26.24	5 / 1			
reaction time	interval			6.22	6.82		# of strides	13.20	13.04	0.16
	velocity		7.58	8.04	7.33	7.62		7.58	7.67	
Hamrén, Malin (SWE) (1986)	time		13.20	19.60	26.56	26.56	4 / 2			
reaction time	interval			6.40	6.96		# of strides	13.20	13.36	-0.16
	velocity		7.58	7.81	7.18	7.53		7.58	7.49	
Eliasson, Emilia (SWE) (1989)	time		13.53	20.06	27.18	27.18	3 / 3			
reaction time	interval			6.53	7.12		# of strides	13.53	13.65	-0.12
	velocity		7.39	7.66	7.02	7.36		7.39	7.33	

2007 European Cup (Munich, GER)**FINAL**date 24-Jun-07 wind -2.0 m/s Graubner (2007) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hurtis-Houairi, Muriel (FRA) (1985)	time		11.49	16.91	22.83	22.83	/ 1			
reaction time 0.142	interval			5.42	5.92		# of strides	11.49	11.34	0.15
	velocity		8.70	9.23	8.45	8.76		8.70	8.82	
Rusakova, Natalya (RUS) (1980)	time		11.63	16.98	22.92	22.92	/ 2			
reaction time 0.172	interval			5.35	5.94		# of strides	11.63	11.29	0.34
	velocity		8.60	9.35	8.42	8.73		8.60	8.86	
Shtanhyeyeva, Iryna (UKR) (1979)	time		11.77	17.21	23.13	23.13	/ 3			
reaction time 0.145	interval			5.44	5.92		# of strides	11.77	11.36	0.41
	velocity		8.50	9.19	8.45	8.65		8.50	8.80	
Halkiá, Faní (GRE) (1979)	time		11.85	17.33	23.30	23.30	/ 4			
reaction time 0.159	interval			5.48	5.97	PB	# of strides	11.85	11.45	0.40
	velocity		8.44	9.12	8.38	8.58		8.44	8.73	
Neumiarzhytskaya, Alena (BLR) (1985)	time		11.63	17.17	23.32	23.32	/ 5			
reaction time 0.213	interval			5.54	6.15		# of strides	11.63	11.69	-0.06
	velocity		8.60	9.03	8.13	8.58		8.60	8.55	
Bejnar, Monika (POL) (1981)	time		11.77	17.33	23.42	23.42	/ 6			
reaction time 0.136	interval			5.56	6.09		# of strides	11.77	11.65	0.12
	velocity		8.50	8.99	8.21	8.54		8.50	8.58	
Tschirch, Cathleen (GER) (1979)	time		11.85	17.51	23.60	23.60	/ 7			
reaction time 0.148	interval			5.66	6.09		# of strides	11.85	11.75	0.10
	velocity		8.44	8.83	8.21	8.47		8.44	8.51	
Martín, Eva (ESP) (1985)	time		12.28	18.12	24.46	24.46	/ 8			
reaction time 0.169	interval			5.84	6.34		# of strides	12.28	12.18	0.10
	velocity		8.14	8.56	7.89	8.18		8.14	8.21	

2007 USATF National Championships (Indianapolis, IN)**FINAL**

date 24-Jun-07 wind 0.4 m/s Track Newsletter (2007) - USATF women's championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time		11.5		22.3	22.34	4 / 1			
reaction time	interval				10.80		# of strides	11.50	10.80	0.70
	velocity		8.70		9.26	8.95		8.70	9.26	

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

Richards, Sanya (USA) (1985)	time	11.4	22.4	22.43	5 / 2			
	reaction time		11.00		# of strides	11.40	11.00	0.40
	velocity	8.77	9.09	8.92		8.77	9.09	
Edwards, Torri (USA) (1977)	time	11.5	22.6	22.55	6 / 3			
	reaction time		11.10		# of strides	11.50	11.10	0.40
	velocity	8.70	9.01	8.87		8.70	9.01	
Moore, LaShauntea (USA) (1983)	time	11.7	22.6	22.58	7 / 4			
	reaction time		10.90		# of strides	11.70	10.90	0.80
	velocity	8.55	9.17	8.86		8.55	9.17	
Smith, Rachelle (USA) (1981)	time	11.7	22.7	22.71	2 / 5			
	reaction time		11.00		# of strides	11.70	11.00	0.70
	velocity	8.55	9.09	8.81		8.55	9.09	
Barber, Mikele (USA) (1980)	time	11.7	22.8	22.77	3 / 6			
	reaction time		11.10		# of strides	11.70	11.10	0.60
	velocity	8.55	9.01	8.78		8.55	9.01	
Woods, Shareese (USA) (1985)	time	11.8	22.8	22.82	8 / 7			
	reaction time		11.00		# of strides	11.80	11.00	0.80
	velocity	8.47	9.09	8.76		8.47	9.09	
Wilson, Latonia (USA) (1984)	time	11.8	23.1	23.12	1 / 8			
	reaction time		11.30		# of strides	11.80	11.30	0.50
	velocity	8.47	8.85	8.65		8.47	8.85	

2007 NCAA Championships (Sacramento, CA)**FINAL**

date 09-Jun-07 wind 1.7 m/s

Track Newsletter (2007) - NCAA women's championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Stewart, Kerron (JAM) (1984)	time		11.5		22.4	22.42	/ 1			
	reaction time				10.90		# of strides	11.50	10.90	0.60
	velocity		8.70		9.17	8.92		8.70	9.17	
Facey, Simone (JAM) (1985)	time		11.6		22.6	22.64	/ 2			
	reaction time				11.00		# of strides	11.60	11.00	0.60
	velocity		8.62		9.09	8.83		8.62	9.09	
Floyd, Ebonie (USA) (1983)	time		11.7		22.7	22.65	/ 3			
	reaction time				11.00		# of strides	11.70	11.00	0.70
	velocity		8.55		9.09	8.83		8.55	9.09	
Fletcher, Sherry (GRN) (1986)	time		11.6		22.7	22.67	/ 4			
	reaction time				11.10	NR	# of strides	11.60	11.10	0.50
	velocity		8.62		9.01	8.82		8.62	9.01	
Hodge, Virgil (SKN) (1983)	time		11.5		22.7	22.70	/ 5			
	reaction time				11.20		# of strides	11.50	11.20	0.30
	velocity		8.70		8.93	8.81		8.70	8.93	
Woods, Shareese (USA) (1985)	time		11.8		22.7	22.74	/ 6			
	reaction time				10.90	PB	# of strides	11.80	10.90	0.90
	velocity		8.47		9.17	8.80		8.47	9.17	
Anderson, Alexandria (USA) (1985)	time		11.9		23.3	23.23	/ 7			
	reaction time				11.40		# of strides	11.90	11.40	0.50
	velocity		8.40		8.77	8.61		8.40	8.77	
Asumnu, Gloria (USA) (1985)	time		11.9		23.4	23.44	/ 8			
	reaction time				11.50		# of strides	11.90	11.50	0.40
	velocity		8.40		8.70	8.53		8.40	8.70	
Henry, Samantha (JAM) (1988)	time		12.0		23.6	23.58	/ 9			
	reaction time				11.60		# of strides	12.00	11.60	0.40

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

velocity 8.33 8.62 8.48 8.33 8.62

2006 IAAF World Cup (Athens, GRE) (TV Analysis)

FINAL

date 17-Sep-06 wind -0.2 m/s

Graubner (2008) - <http://www.fgs.uni-halle.de>

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Richards, Sanya (USA) (1985)	time			11.39		22.23	22.23	6 / 1			
reaction time	0.162	interval				10.84		# of strides	11.39	10.84	0.55
		velocity		8.78		9.23	9.00		8.78	9.23	
Gevaert, Kim (BEL) (1978)	0.159	no information available				22.72	22.72	7 / 2			
Anim, Vida (GHA) (1983)	0.174	no information available				PB 22.81	22.81	8 / 3			
Gushchina, Yulia (RUS) (1983)	0.131	no information available				22.96	22.96	9 / 4			
Bejhar, Monika (POL) (1981)	0.150	no information available				23.21	23.21	3 / 5			
Kubbieva, Guzel (UZB) (1976)	0.142	no information available				23.34	23.34	5 / 6			
Mothersill, Cydonie (CAY) (1978)	0.197	no information available				23.50	23.50	4 / 7			
Bouda, Hariklia (GRE) (1980)	0.157	no information available				23.52	23.52	1 / 8			
Kleeberg, Melanie (AUS) (1981)	0.138	no information available				23.86	23.86	2 / 9			

2006 USATF National Championship (Indianapolis, IN)

FINAL

date 25-Jun-06 wind 0.3 m/s

USATF Women's Sprint Development (2006)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Smith, Rachelle (USA) (1981)	time		6.34	11.44	16.73	22.31	22.31	3 / 1			
reaction time		interval		5.10	5.29	5.58		# of strides	11.44	10.87	0.57
		velocity	7.89	9.80	9.45	8.96	8.96		8.74	9.20	
Solomon, Shalonda (USA) (1981)	time		6.39	11.57	16.90	22.47	22.47	6 / 2			
reaction time		interval		5.18	5.33	5.57		# of strides	11.57	10.90	0.67
		velocity	7.82	9.65	9.38	8.98	8.90		8.64	9.17	
Jenkins, LaTasha (USA) (1977)	time		6.45	11.54	16.87	22.66	22.66	5 / 3			
reaction time		interval		5.09	5.33	5.79		# of strides	11.54	11.12	0.42
		velocity	7.75	9.82	9.38	8.64	8.83		8.67	8.99	
Floyd, Ebonie (USA) (1983)	time		6.50	11.66	17.10	22.77	22.77	4 / 4			
reaction time		interval		5.16	5.44	5.67		# of strides	11.66	11.11	0.55
		velocity	7.69	9.69	9.19	8.82	8.78		8.58	9.00	
Moore, LaShaunte'a (USA) (1981)	time		6.49	11.62	17.08	23.03	23.03	8 / 5			
reaction time		interval		5.13	5.46	5.95		# of strides	11.62	11.41	0.21
		velocity	7.70	9.75	9.16	8.40	8.68		8.61	8.76	
Davis, Janice (USA) (1984)	time		6.34	11.56	17.10	23.20	23.20	2 / 6			
reaction time		interval		5.22	5.54	6.10		# of strides	11.56	11.64	-0.08
		velocity	7.89	9.58	9.03	8.20	8.62		8.65	8.59	
Moore, Connie (USA) (1981)	time		6.52	11.66	17.13	23.44	23.44	7 / 7			
reaction time		interval		5.14	5.47	6.31		# of strides	11.66	11.78	-0.12
		velocity	7.67	9.73	9.14	7.92	8.53		8.58	8.49	

2006 USATF National Junior Championship (Indianapolis, IN)

FINAL

date 23-Jun-06 wind 0.9 m/s

USATF Women's Sprint Development (2006)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Mayo, Gabrielle (USA) (1989)	time		6.64	11.70	17.15	22.88	22.88	5 / 1			
reaction time		interval		5.06	5.45	5.73	PB	# of strides	11.70	11.18	0.52
		velocity	7.53	9.88	9.17	8.73	8.74		8.55	8.94	
Knight, Bianca (USA) (1989)	time		6.64	11.58	17.08	22.94	22.94	3 / 2			
reaction time		interval		4.94	5.50	5.86	PB	# of strides	11.58	11.36	0.22
		velocity	7.53	10.12	9.09	8.53	8.72		8.64	8.80	
Tarmoh, Jeneba (USA) (1989)	time		6.64	11.73	17.22	23.14	23.14	4 / 3			
reaction time		interval		5.09	5.49	5.92	PB	# of strides	11.73	11.41	0.32
		velocity	7.53	9.82	9.11	8.45	8.64		8.53	8.76	
Lucas, Porscha (USA) (1989)	time		6.64	11.70	17.20	23.22	23.22	6 / 4			

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

reaction time	interval	5.06	5.50	6.02	PB	# of strides	11.70	11.52	0.18
	velocity	7.53	9.88	9.09	8.31	8.61	8.55	8.68	
Olear, Elizabeth (USA) (1988)	time	6.64	11.76	17.33	23.40	23.40	7 / 5		
reaction time	interval		5.12	5.57	6.07		# of strides	11.76	11.64
	velocity	7.53	9.77	8.98	8.24	8.55		8.50	8.59
Young, Jessica (USA) (1987)	time	6.64	12.01	17.60	23.50	23.50	2 / 6		
reaction time	interval		5.37	5.59	5.90	PB	# of strides	12.01	11.49
	velocity	7.53	9.31	8.94	8.47	8.51		8.33	8.70
Williams, Sa'de (USA) (1989)	time	6.64	11.99	17.58	23.54	23.54	8 / 7		
reaction time	interval		5.35	5.59	5.96		# of strides	11.99	11.55
	velocity	7.53	9.35	8.94	8.39	8.50		8.34	8.66
Mahan, Shayla (USA) (1989)	time		11.88	17.53	23.71	23.71	1 / 8		
reaction time	interval			5.65	6.18		# of strides	11.88	11.83
	velocity		8.42	8.85	8.09	8.44		8.42	8.45

2006 NCAA Championships (Sacramento, CA)**FINAL**

		date	10-Jun-06	wind	0.8 m/s	Track Newsletter (2006) - NCAA women's championships						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Solomon, Shalonda (USA) (1988)	time				11.6		22.6	22.62	/ 1			
	reaction time						11.00		# of strides	11.60	11.00	0.60
		velocity			8.62		9.09	8.84		8.62	9.09	
Stewart, Kerron (JAM) (1984)	time				11.7		22.7	22.65	/ 2			
	reaction time						11.00	PB	# of strides	11.70	11.00	0.70
		velocity			8.55		9.09	8.83		8.55	9.09	
Baptiste, Kelly-Ann (TTO) (1986)	time				11.8		22.8	22.78	/ 3			
	reaction time						11.00		# of strides	11.80	11.00	0.80
		velocity			8.47		9.09	8.78		8.47	9.09	
Rodriguez, Carol (PUR) (1985)	time				11.7		23.0	22.96	/ 4			
	reaction time						11.30		# of strides	11.70	11.30	0.40
		velocity			8.55		8.85	8.71		8.55	8.85	
Floyd, Ebonie (USA) (1983)	time				11.9		23.0	23.04	/ 5			
	reaction time						11.10		# of strides	11.90	11.10	0.80
		velocity			8.40		9.01	8.68		8.40	9.01	
Woods, Shareese (USA) (1985)	time				11.9		23.3	23.26	/ 6			
	reaction time						11.40		# of strides	11.90	11.40	0.50
		velocity			8.40		8.77	8.60		8.40	8.77	
Hodge, Virgil (SKN) (1983)	time				11.8		23.3	23.30	/ 7			
	reaction time						11.50		# of strides	11.80	11.50	0.30
		velocity			8.47		8.70	8.58		8.47	8.70	
Morris, Brooklyn (USA) (1986)	time				11.9		23.4	23.35	/ 8			
	reaction time						11.50		# of strides	11.90	11.50	0.40
		velocity			8.40		8.70	8.57		8.40	8.70	
Thomas, Tamara (JAM) (1983)	time				12.1		23.5	23.49	/ 9			
	reaction time						11.40		# of strides	12.10	11.40	0.70
		velocity			8.26		8.77	8.51		8.26	8.77	

2005 IAAF World Championships (Helsinki, FIN)**FINAL**

Felix, Allyson (USA) (1985)	date	12-Aug-05	wind	0.2 m/s	Track Newsletter (2005) - World championships- women						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
	time			11.3		22.2	22.16	6 / 1			
	reaction time	0.180	interval			10.90		# of strides	11.30	10.90	0.40
			velocity		8.85		9.17	9.03	91.0	8.85	9.17

Smith, Rachelle (USA) (1981)	time	11.5	22.3	22.31	4 / 2			
	reaction time	0.161	interval	10.80	# of strides	11.50	10.80	0.70
	velocity	8.70	9.26	8.96	95.2	8.70	9.26	
Arron, Christine (FRA) (1973)	time	11.3	22.3	22.31	5 / 3			
	reaction time	0.184	interval	11.00	# of strides	11.30	11.00	0.30
	velocity	8.85	9.09	8.96	90.5	8.85	9.09	
Campbell, Veronica (JAM) (1982)	time	11.2	22.4	22.38	7 / 4			
	reaction time	0.158	interval	11.20	# of strides	11.20	11.20	0.00
	velocity	8.93	8.93	8.94	98.7	8.93	8.93	
Colander, LaTasha (USA) (1976)	time	11.5	22.7	22.66	2 / 5			
	reaction time	0.168	interval	11.20	# of strides	11.50	11.20	0.30
	velocity	8.70	8.93	8.83	101.0	8.70	8.93	
Gushchina, Yulia (RUS) (1983)	time	11.4	22.8	22.75	8 / 6			
	reaction time	0.166	interval	11.40	# of strides	11.40	11.40	0.00
	velocity	8.77	8.77	8.79	90.2	8.77	8.77	
Gevaert, Kim (BEL) (1978)	time	11.5	22.9	22.86	3 / 7			
	reaction time	0.144	interval	11.40	# of strides	11.50	11.40	0.10
	velocity	8.70	8.77	8.75	92.7	8.70	8.77	
Mothersill, Cydonie (CAY) (1978)	time	11.7	23.0	23.00	1 / 8			
	reaction time	0.190	interval	11.30	# of strides	11.70	11.30	0.40
	velocity	8.55	8.85	8.70	96.2	8.55	8.85	

Semi-Final 1

date 11-Aug-05 wind -2.7 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Arron, Christine (FRA) (1973)	time		11.3		22.45	22.45	6 / 1			
	reaction time		0.202		interval		# of strides	11.30	11.15	0.15
	velocity		8.85		8.97	8.91		8.85	8.97	

2005 USATF National Championship (Carson, CA)

FINAL

date 26-Jun-05 wind 0.3 m/s

USATF Women's Sprint Development (2005)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time	6.38	11.32	16.70	22.13	22.13	6 / 1			
	reaction time		interval	4.94	5.38	5.43	# of strides	11.32	10.81	0.51
	velocity	7.84	10.12	9.29	9.21	9.04	87.2	8.83	9.25	
Smith, Rachelle (USA) (1981)	time	6.41	11.35	17.13	22.22	22.22	7 / 2			
	reaction time		interval	4.94	5.78	5.09	# of strides	11.35	10.87	0.48
	velocity	7.80	10.12	8.65	9.82	9.00	95.5	8.81	9.20	
Colander, LaTasha (USA) (1976)	time	6.41	11.41	16.58	22.34	22.34	4 / 3			
	reaction time		interval	5.00	5.17	5.76	# of strides	11.41	10.93	0.48
	velocity	7.80	10.00	9.67	8.68	8.95	100.2	8.76	9.15	
Barber, Me'Lisa (USA) (1980)	time	6.36	11.29	16.63	22.37	22.37	5 / 4			
	reaction time		interval	4.93	5.34	5.74	# of strides	11.29	11.08	0.21
	velocity	7.86	10.14	9.36	8.71	8.94	99.2	8.86	9.03	
Lee, Muna (USA) (1981)	time	6.38	11.35	17.22	22.46	22.46	9 / 5			
	reaction time		interval	4.97	5.87	5.24	# of strides	11.35	11.11	0.24
	velocity	7.84	10.06	8.52	9.54	8.90	92.0	8.81	9.00	
Daigle, Angela (USA) (1976)	time	6.56	11.71		22.86	22.86	2 / 6			
	reaction time		interval	5.15	11.15		# of strides	11.71	11.15	0.56
	velocity	7.62	9.71		8.97	8.75	97.0	8.54	8.97	
Solomon, Shalonda (USA) (1981)	time	6.61	11.67	16.62	22.95	22.95	3 / 7			
	reaction time		interval	5.06	4.95	6.33	# of strides	11.67	11.28	0.39
	velocity	7.56	9.88	10.10	7.90	8.71	97.7	8.57	8.87	
Carter, Antonette (USA) (1984)	time	6.59	11.76	16.65	23.15	23.15	1 / 8			

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

reaction time	interval	5.17	4.89	6.50		# of strides	11.76	11.39	0.37
	velocity	7.59	9.67	10.22	7.69	8.64	95.7	8.50	8.78
Moore, LaShaunte'a (USA) (198	time	6.38	11.54	17.22	23.18	23.18	8 / 9		
reaction time	interval		5.16	5.68	5.96		# of strides	11.54	11.64
	velocity	7.84	9.69	8.80	8.39	8.63	100.0	8.67	8.59
									-0.10

2005 USATF National Junior Championship (Carson, CA)

FINAL

date 24-Jun-05		wind 0.6 m/s								USATF Women's Sprint Development (2005)		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
Tyson, Cleo (USA) (1986)	time		11.55	17.06	22.93	22.93	6 / 1					
reaction time	interval			5.51	5.87		# of strides	11.55	11.38	0.17		
	velocity		8.61	9.07	8.52	8.72		8.66	8.79			
Anderson, Alexandria (USA) (19	time		11.61	17.11	22.96	22.96	5 / 2					
reaction time	interval			5.50	5.85	PB	# of strides	11.61	11.35	0.26		
	velocity		8.61	9.09	8.55	8.71		8.61	8.81			
McCorory, Francena (USA) (198	time		11.76	17.32	23.22	23.22	8 / 3					
reaction time	interval			5.56	5.90	PB	# of strides	11.76	11.46	0.30		
	velocity		8.61	8.99	8.47	8.61		8.50	8.73			
Jones, Brittany (USA) (1989)	time		11.80	17.35	23.28	23.28	4 / 4					
reaction time	interval			5.55	5.93		# of strides	11.80	11.48	0.32		
	velocity		8.47	9.01	8.43	8.59		8.47	8.71			
Knight, Natalie (USA) (1986)	time		11.86	17.40	23.34	23.34	1 / 5					
reaction time	interval			5.54	5.94		# of strides	11.86	11.48	0.38		
	velocity		8.61	9.03	8.42	8.57		8.43	8.71			
Smith, Angelique (USA) (1986)	time		12.06	17.58	23.61	23.61	7 / 6					
reaction time	interval			5.52	6.03		# of strides	12.06	11.55	0.51		
	velocity		8.61	9.06	8.29	8.47		8.29	8.66			
Knight, Bianca (USA) (1989)	time		11.95	17.54	23.65	23.65	2 / 7					
reaction time	interval			5.59	6.11		# of strides	11.95	11.70	0.25		
	velocity		8.61	8.94	8.18	8.46		8.37	8.55			
Grace, Carla (USA) (1986)	time		11.93	17.67	23.90	23.90	3 / 8					
reaction time	interval			5.74	6.23		# of strides	11.93	11.97	-0.04		
	velocity		8.38	8.71	8.03	8.37		8.38	8.35			
Carter, Khrystal (USA) (1988)	time		12.05	17.89	24.29	24.29	9 / 9					
reaction time	interval			5.84	6.40		# of strides	12.05	12.24	-0.19		
	velocity		8.30	8.56	7.81	8.23		8.30	8.17			

2005 NCAA Championships (Sacramento, CA)

FINAL

date 11-Jun-05		wind -0.7 m/s								Track Newsletter (2005) - NCAA women's championships		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
Brooks, Sheri-Ann (JAM) (1983)	time		11.6		22.9	22.85	/ 1					
reaction time	interval				11.30	PB	# of strides	11.60	11.30	0.30		
	velocity		8.62		8.85	8.75		8.62	8.85			
Solomon, Shalonda (USA) (198	time		11.6		22.9	22.86	/ 2					
reaction time	interval				11.30		# of strides	11.60	11.30	0.30		
	velocity		8.62		8.85	8.75		8.62	8.85			
Tyson, Cleo (USA) (1986)	time		11.7		23.0	23.01	/ 3					
reaction time	interval				11.30		# of strides	11.70	11.30	0.40		
	velocity		8.55		8.85	8.69		8.55	8.85			
Weatherspoon, Alexis (USA) (19	time		11.7		23.3	23.26	/ 4					
reaction time	interval				11.60		# of strides	11.70	11.60	0.10		
	velocity		8.55		8.62	8.60		8.55	8.62			

Carter, Antonette (USA) (1984)	time	11.8	23.3	23.28	/ 5			
	reaction time	interval	11.50		# of strides	11.80	11.50	0.30
	velocity	8.47	8.70	8.59		8.47	8.70	
Knight, Natalie (USA) (1986)	time	11.9	23.3	23.29	/ 6			
	reaction time	interval	11.40		# of strides	11.90	11.40	0.50
	velocity	8.40	8.77	8.59		8.40	8.77	
Brice, Tremedia (USA) (1981)	time	11.6	23.3	23.30	/ 7			
	reaction time	interval	11.70		# of strides	11.60	11.70	-0.10
	velocity	8.62	8.55	8.58		8.62	8.55	
Baptiste, Kelly-Ann (TTO) (1986)	time	12.0	23.4	23.42	/ 8			
	reaction time	interval	11.40		# of strides	12.00	11.40	0.60
	velocity	8.33	8.77	8.54		8.33	8.77	
Greggs, Charlette (USA) (1983)	time	12.2	24.1	24.08	/ 9			
	reaction time	interval	11.90		# of strides	12.20	11.90	0.30
	velocity	8.20	8.40	8.31		8.20	8.40	

2004 Olympic Games (Athens, GRE)**FINAL**

date 25-Aug-04 wind 0.8 m/s er (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Campbell, Veronica (JAM) (1982)	time		11.1		22.1	22.05	4 / 1			
	reaction time		interval		11.0		# of strides	11.10	11.00	0.10
	velocity		9.01		9.09	9.07		9.01	9.09	
Felix, Allyson (USA) (1985)	time		11.2		22.2	22.18	3 / 2			
	reaction time		interval		11.0	WJR	# of strides	11.20	11.00	0.20
	velocity		8.93		9.09	9.02		8.93	9.09	
Ferguson, Debbie (BAH) (1976)	time		11.3		22.3	22.30	8 / 3			
	reaction time		interval		11.0		# of strides	11.30	11.00	0.30
	velocity		8.85		9.09	8.97		8.85	9.09	
Bailey, Aleen (JAM) (1980)	time		11.4		22.4	22.42	6 / 4			
	reaction time		interval		11.0		# of strides	11.40	11.00	0.40
	velocity		8.77		9.09	8.92		8.77	9.09	
Lalova, Iveta (BUL) (1984)	time		11.4		22.6	22.57	2 / 5			
	reaction time		interval		11.2		# of strides	11.40	11.20	0.20
	velocity		8.77		8.93	8.86		8.77	8.93	
Gevaert, Kim (BEL) (1978)	time		11.5		22.8	22.84	1 / 6			
	reaction time		interval		11.3		# of strides	11.50	11.30	0.20
	velocity		8.70		8.85	8.76		8.70	8.85	
Lee, Muna (USA) (1981)	time		11.6		22.9	22.87	7 / 7			
	reaction time		interval		11.3		# of strides	11.60	11.30	0.30
	velocity		8.62		8.85	8.75		8.62	8.85	
Oyepitan, Abi (GBR) (1979)	time		11.5		22.9	22.87	5 / 7			
	reaction time		interval		11.4		# of strides	11.50	11.40	0.10
	velocity		8.70		8.77	8.75		8.70	8.77	

2004 USA Olympic Trials (Sacramento, CA)**FINAL**

date 18-Jul-04 wind -1.2 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time	6.34	11.43	16.62	22.28	22.28	6 / 1			
	reaction time		interval		5.66		# of strides	11.43	10.85	0.58
	velocity	7.89	9.82	9.63	8.83	8.98	92.2	8.75	9.22	
Lee, Muna (USA) (1981)	time	6.36	11.50	16.75	22.36	22.36	1 / 2			
	reaction time		interval		5.61	PB	# of strides	11.50	10.86	0.64
	velocity	7.86	9.73	9.52	8.91	8.94	93.0	8.70	9.21	

Edwards, Torri (USA) (1977)	time	6.24	11.40	16.60	22.39	22.39	4 / 3			
	reaction time	interval	5.16	5.20	5.79	DV	# of strides	11.40	10.99	0.41
	velocity	8.01	9.69	9.62	8.64	8.93	97.2	8.77	9.10	
Moore, LaShaunte'a (USA) (1981)	time	6.44	11.65	16.92	22.64	22.64	5 / 4 3			
	reaction time	interval	5.21	5.27	5.72		# of strides	11.65	10.99	0.66
	velocity	7.76	9.60	9.49	8.74	8.83	95.5	8.58	9.10	
Moore, Connie (USA) (1981)	time	6.43	11.52	16.77	22.65	22.65	7 / 5 4			
	reaction time	interval	5.09	5.25	5.88	PB	# of strides	11.52	11.13	0.39
	velocity	7.78	9.82	9.52	8.50	8.83	102.2	8.68	8.98	
Boone, Rachael (USA) (1981)	time	6.34	11.58	16.90	22.69	22.69	2 / 6 5			
	reaction time	interval	5.24	5.32	5.79		# of strides	11.58	11.11	0.47
	velocity	7.89	9.54	9.40	8.64	8.81	96.7	8.64	9.00	
Miller, Inger (USA) (1972)	time	6.32	11.48	16.76	22.70	22.70	8 / 7 6			
	reaction time	interval	5.16	5.28	5.94		# of strides	11.48	11.22	0.26
	velocity	7.91	9.69	9.47	8.42	8.81	95.7	8.71	8.91	
Durst, Stephanie (USA) (1982)	time	6.26	11.46	16.90	22.99	22.99	3 / 8 7			
	reaction time	interval	5.20	5.44	6.09		# of strides	11.46	11.53	-0.07
	velocity	7.99	9.62	9.19	8.21	8.70	98.7	8.73	8.67	

Semi-Final 3

date 17-Jul-04 wind -1.1 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Moore, LaShaunte'a (USA) (1981)	time	6.47	11.65	16.95	22.63	22.63	5 / 1			
	reaction time	interval	5.18	5.30	5.68	PB	# of strides	11.65	10.98	0.67
	velocity	7.73	9.65	9.43	8.80	8.84		8.58	9.11	
Moore, Connie (USA) (1981)	time	6.49	11.55	16.94	22.77	22.77	7 / 2			
	reaction time	interval	5.06	5.39	5.83		# of strides	11.55	11.22	0.33
	velocity	7.70	9.88	9.28	8.58	8.78		8.66	8.91	
Miller, Inger (USA) (1972)	time	6.30	11.53	16.93	23.00	23.00	6 / 3			
	reaction time	interval	5.23	5.40	6.07		# of strides	11.53	11.47	0.06
	velocity	7.94	9.56	9.26	8.24	8.70		8.67	8.72	
Daigle, Angela (USA) (1976)	time	6.39	11.76	17.15	23.05	23.05	8 / 4			
	reaction time	interval	5.37	5.39	5.90		# of strides	11.76	11.29	0.47
	velocity	7.82	9.31	9.28	8.47	8.68		8.50	8.86	
Myrick, Wyllesheia (USA) (1979)	time	6.38	11.57	17.02	23.14	23.14	4 / 5			
	reaction time	interval	5.19	5.45	6.12		# of strides	11.57	11.57	0.00
	velocity	7.84	9.63	9.17	8.17	8.64		8.64	8.64	
Williams, Aleah (USA) (1981)	time	6.39	11.70	17.40	23.80	23.80	3 / 6			
	reaction time	interval	5.31	5.70	6.40		# of strides	11.70	12.10	-0.40
	velocity	7.82	9.42	8.77	7.81	8.40		8.55	8.26	

Semi-Final 2

date 17-Jul-04 wind -1.2 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Felix, Allyson (USA) (1985)	time	6.39	11.55	16.91	22.70	22.70	7 / 1			
	reaction time	interval	5.16	5.36	5.79		# of strides	11.55	11.15	0.40
	velocity	7.82	9.69	9.33	8.64	8.81		8.66	8.97	
Lee, Muna (USA) (1981)	time	6.37	11.60	17.02	22.85	22.85	5 / 2			
	reaction time	interval	5.23	5.42	5.83		# of strides	11.60	11.25	0.35
	velocity	7.85	9.56	9.23	8.58	8.75		8.62	8.89	
Hall, Monique (USA) (1980)	time	6.51	11.76	17.32	23.44	23.44	3 / 3			
	reaction time	interval	5.25	5.56	6.12		# of strides	11.76	11.68	0.08
	velocity	7.68	9.52	8.99	8.17	8.53		8.50	8.56	
Dyer, Tonette (USA) (1982)	time	6.36	11.64	17.27	23.50	23.50	6 / 4			

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

reaction time	interval	5.28	5.63	6.23		# of strides	11.64	11.86	-0.22
	velocity	7.86	9.47	8.88	8.03	8.51	8.59	8.43	
Ivery, Lakadron (USA) (1983)	time	6.59	12.00	17.68	24.01	24.01	8 / 5		
reaction time	interval		5.41	5.68	6.33		# of strides	12.00	12.01
	velocity	7.59	9.24	8.80	7.90	8.33		8.33	-0.01

Semi-Final 1

date 17-Jul-04 wind 0.5 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Edwards, Torri (USA) (1977)	time	6.26	11.45	16.65	22.38	22.38	5 / 4			
reaction time	interval		5.19	5.20	5.73	DV	# of strides	11.45	10.93	0.52
	velocity	7.99	9.63	9.62	8.73	8.94		8.73	9.15	
Durst, Stephanie (USA) (1982)	time	6.34	11.60	16.87	22.66	22.66	7 / 2 1			
reaction time	interval		5.26	5.27	5.79		# of strides	11.60	11.06	0.54
	velocity	7.89	9.51	9.49	8.64	8.83		8.62	9.04	
Boone, Rachael (USA) (1981)	time	6.32	11.47	16.83	22.69	22.69	6 / 3 2			
reaction time	interval		5.15	5.36	5.86		# of strides	11.47	11.22	0.25
	velocity	7.91	9.71	9.33	8.53	8.81		8.72	8.91	
Pelham, Shaunta (USA) (1978)	time	6.42	11.71	17.17	23.26	23.26	4 / 4 3			
reaction time	interval		5.29	5.46	6.09		# of strides	11.71	11.55	0.16
	velocity	7.79	9.45	9.16	8.21	8.60		8.54	8.66	
Carter, Antonette (USA) (1984)	time	6.52	11.96	17.47	23.45	23.45	8 / 5 4			
reaction time	interval		5.44	5.51	5.98		# of strides	11.96	11.49	0.47
	velocity	7.67	9.19	9.07	8.36	8.53		8.36	8.70	

Heat 4

date 16-Jul-04 wind -0.6 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Miller, Inger (USA) (1972)	time	6.25	11.43	16.78	22.74	22.74	7 / 1			
reaction time	interval		5.18	5.35	5.96		# of strides	11.43	11.31	0.12
	velocity	8.00	9.65	9.35	8.39	8.80		8.75	8.84	
Boone, Rachael (USA) (1981)	time	6.35	11.57	16.91	22.83	22.83	6 / 2			
reaction time	interval		5.22	5.34	5.92		# of strides	11.57	11.26	0.31
	velocity	7.87	9.58	9.36	8.45	8.76		8.64	8.88	
Moore, LaShaunte'a (USA) (1981)	time	6.52	11.78	17.05	22.83	22.83	4 / 3			
reaction time	interval		5.26	5.27	5.78		# of strides	11.78	11.05	0.73
	velocity	7.67	9.51	9.49	8.65	8.76		8.49	9.05	
Cox, Crystal (USA) (1979)	time	6.41	11.56	16.92	22.84	22.84	5 / 4			
reaction time	interval		5.15	5.36	5.92		# of strides	11.56	11.28	0.28
	velocity	7.80	9.71	9.33	8.45	8.76		8.65	8.87	
Jones, Marion (USA) (1975)	time	6.37	11.52	16.92	22.93	22.93	8 / 5			
reaction time	interval		5.15	5.40	6.01	DV	# of strides	11.52	11.41	0.11
	velocity	7.85	9.71	9.26	8.32	8.72		8.68	8.76	

Heat 3

date 16-Jul-04 wind -0.1 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Lee, Muna (USA) (1981)	time	6.32	11.55	16.92	22.66	22.66	5 / 1			
reaction time	interval		5.23	5.37	5.74		# of strides	11.55	11.11	0.44
	velocity	7.91	9.56	9.31	8.71	8.83		8.66	9.00	
Durst, Stephanie (USA) (1982)	time	6.29	11.51	16.90	22.75	22.75	6 / 2			
reaction time	interval		5.22	5.39	5.85		# of strides	11.51	11.24	0.27
	velocity	7.95	9.58	9.28	8.55	8.79		8.69	8.90	
Myrick, Wyllesheia (USA) (1979)	time	6.37	11.63	16.98	22.94	22.94	7 / 3			
reaction time	interval		5.26	5.35	5.96	PB	# of strides	11.63	11.31	0.32
	velocity	7.85	9.51	9.35	8.39	8.72		8.60	8.84	
Daigle, Angela (USA) (1976)	time	6.39	11.71	17.12	22.98	22.98	4 / 4			

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

reaction time	interval	5.32	5.41	5.86	PB	# of strides	11.71	11.27	0.44
	velocity	7.82	9.40	9.24	8.53	8.70	8.54	8.87	

Heat 2

date 16-Jul-04 wind -0.3 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Edwards, Torri (USA) (1977)	time	6.19	11.36	16.63	22.60	22.60	5 / 4			
reaction time	interval		5.17	5.27	5.97	DV	# of strides	11.36	11.24	0.12
	velocity	8.08	9.67	9.49	8.38	8.85		8.80	8.90	
Felix, Allyson (USA) (1985)	time	6.32	11.50	16.79	22.67	22.67	6 / 2 1			
reaction time	interval		5.18	5.29	5.88		# of strides	11.50	11.17	0.33
	velocity	7.91	9.65	9.45	8.50	8.82		8.70	8.95	
Hall, Monique (USA) (1980)	time	6.44	11.79	17.29	23.42	23.42	5 / 3 2			
reaction time	interval		5.35	5.50	6.13		# of strides	11.79	11.63	0.16
	velocity	7.76	9.35	9.09	8.16	8.54		8.48	8.60	
Williams, Aleah (USA) (1981)	time	6.37	11.66	17.24	23.56	23.56	8 / 4 3			
reaction time	interval		5.29	5.58	6.32		# of strides	11.66	11.90	-0.24
	velocity	7.85	9.45	8.96	7.91	8.49		8.58	8.40	
Pelham, Shaunta (USA) (1978)	time	6.39	11.75	17.32	23.62	23.62	7 / 5 4			
reaction time	interval		5.36	5.57	6.30		# of strides	11.75	11.87	-0.12
	velocity	7.82	9.33	8.98	7.94	8.47		8.51	8.42	

Heat 1

date 16-Jul-04 wind -0.6 m/s

USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Moore, Connie (USA) (1981)	time	6.37	11.56	16.92	22.91	22.91	6 / 1			
reaction time	interval		5.19	5.36	5.99		# of strides	11.56	11.35	0.21
	velocity	7.85	9.63	9.33	8.35	8.73		8.65	8.81	
Dyer, Tonette (USA) (1982)	time	6.41	11.70	17.20	23.42	23.42	3 / 2			
reaction time	interval		5.29	5.50	6.22		# of strides	11.70	11.72	-0.02
	velocity	7.80	9.45	9.09	8.04	8.54		8.55	8.53	
Carter, Antonette (USA) (1984)	time	6.41	11.80	17.37	23.44	23.44	8 / 3			
reaction time	interval		5.39	5.57	6.07		# of strides	11.80	11.64	0.16
	velocity	7.80	9.28	8.98	8.24	8.53		8.47	8.59	
Ivery, Lakadron (USA) (1983)	time	6.37	11.68	17.25	23.58	23.58	7 / 4			
reaction time	interval		5.31	5.57	6.33		# of strides	11.68	11.90	-0.22
	velocity	7.85	9.42	8.98	7.90	8.48		8.56	8.40	
Rhett, Amandi (USA) (1982)	time	6.54	11.98	17.71	24.03	24.03	4 / 5			
reaction time	interval		5.44	5.73	6.32		# of strides	11.98	12.05	-0.07
	velocity	7.65	9.19	8.73	7.91	8.32		8.35	8.30	

2003 IAAF World Championships (Paris, FRA)**FINAL**

date 28-Aug-03 wind -0.3 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
White, Kelli (USA) (1977)	0.178	no information available	DV	22.05	6 / 4					
Kapachinskaya, Anastasiya (RU)	0.222	no information available	PB	22.38	5 / 2 1					
Edwards, Torri (USA) (1977)	0.144	no information available		22.47	2 / 3 2					
Hurtis, Muriel (FRA) (1979)	0.184	no information available		22.59	4 / 4 3					
Block, Zhanna (UKR) (1972)	0.230	no information available	DV	22.92	3 / 5					
McDonald, Beverly (JAM) (1970)	0.216	no information available		22.95	8 / 7 4					
Safronnikova, Natalya (BLR) (1975)	0.208	no information available		22.98	1 / 7 5					
Kravchenko, Anzhela (UKR) (1975)	0.208	no information available		23.00	7 / 8 6					

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

date 22-Jun-03 wind 0.0 m/s

USATF Women's Sprint Development (2003)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
White, Kelli (USA) (1977)	time	6.26	11.46	16.63	22.21	22.21	5 / 4			
reaction time	interval		5.20	5.17	5.58	DV	# of strides	11.46	10.75	0.71
	velocity	7.99	9.62	9.67	8.96	9.00		8.73	9.30	

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

Edwards, Torri (USA) (1977)	time	6.44	11.58	16.75	22.45	22.45	8 / 2 1			
	reaction time		5.14	5.17	5.70		# of strides	11.58	10.87	0.71
	velocity	7.76	9.73	9.67	8.77	8.91		8.64	9.20	
Felix, Allyson (USA) (1985)	time	6.54	11.79	17.01	22.59	22.59	4 / 3 2			
	reaction time		5.25	5.22	5.58		# of strides	11.79	10.80	0.99
	velocity	7.65	9.52	9.58	8.96	8.85		8.48	9.26	
Jenkins, LaTasha (USA) (1977)	time	6.61	11.85	17.03	22.65	22.65	6 / 4 3			
	reaction time		5.24	5.18	5.62		# of strides	11.85	10.80	1.05
	velocity	7.56	9.54	9.65	8.90	8.83		8.44	9.26	
Miller, Inger (USA) (1972)	time	6.46	11.60	16.95	22.77	22.77	3 / 5 4			
	reaction time		5.14	5.35	5.82		# of strides	11.60	11.17	0.43
	velocity	7.74	9.73	9.35	8.59	8.78		8.62	8.95	
Cox, Crystal (USA) (1979)	time	6.62	11.99	17.27	23.11	23.11	7 / 6 5			
	reaction time		5.37	5.28	5.84		# of strides	11.99	11.12	0.87
	velocity	7.55	9.31	9.47	8.56	8.65		8.34	8.99	
Pelham, Shaunta (USA) (1978)	time	6.66	11.96	17.40	23.32	23.32	2 / 7 6			
	reaction time		5.30	5.44	5.92		# of strides	11.96	11.36	0.60
	velocity	7.51	9.43	9.19	8.45	8.58		8.36	8.80	
Floyd, Ebonie (USA) (1983)	time	6.61	12.01	17.58	23.44	23.44	1 / 8 7			
	reaction time		5.40	5.57	5.86		# of strides	12.01	11.43	0.58
	velocity	7.56	9.26	8.98	8.53	8.53		8.33	8.75	

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

date 21-Jun-03 wind -1.5 m/s

USATF Women's Sprint Development (2003)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Solomon, Shalonda (USA) (1981)	time	6.59	12.01	17.47	23.37	23.37	6 / 1			
	reaction time		5.42	5.46	5.90		# of strides	12.01	11.36	0.65
	velocity	7.59	9.23	9.16	8.47	8.56		8.33	8.80	
Cox, Shana (USA) (1985)	time	6.67	12.15	17.65	23.67	23.67	7 / 2			
	reaction time		5.48	5.50	6.02		# of strides	12.15	11.52	0.63
	velocity	7.50	9.12	9.09	8.31	8.45		8.23	8.68	
Broadus, Juanita (USA) (1985)	time	6.71	12.25	17.75	23.76	23.76	4 / 3			
	reaction time		5.54	5.50	6.01		# of strides	12.25	11.51	0.74
	velocity	7.45	9.03	9.09	8.32	8.42		8.16	8.69	
Perkins, Angel (USA) (1984)	time		12.03	17.68	23.82	23.82	1 / 4			
	reaction time			5.65	6.14		# of strides	12.03	11.79	0.24
	velocity		8.31	8.85	8.14	8.40		8.31	8.48	
Smith, Stephanie (USA) (1985)	time	6.92	12.46	18.07	24.00	24.00	3 / 5			
	reaction time		5.54	5.61	5.93		# of strides	12.46	11.54	0.92
	velocity	7.23	9.03	8.91	8.43	8.33		8.03	8.67	
Hastings, Natasha (USA) (1986)	time	6.72	12.37	18.02	24.12	24.12	5 / 6			
	reaction time		5.65	5.65	6.10	PB	# of strides	12.37	11.75	0.62
	velocity	7.44	8.85	8.85	8.20	8.29		8.08	8.51	
Olear, Elizabeth (USA) (1988)	time			18.09	24.42	24.42	2 / 7			
	reaction time				6.33		# of strides			
	velocity			8.29	7.90	8.19				
Carter, Antonette (USA) (1984)	time	6.77	12.51	18.29	24.78	24.78	8 / 8			
	reaction time		5.74	5.78	6.49		# of strides	12.51	12.27	0.24
	velocity	7.39	8.71	8.65	7.70	8.07		7.99	8.15	
McNair, Bianca (USA) (1984)	time	6.99	12.84	18.61	24.99	24.99	9 / 9			
	reaction time		5.85	5.77	6.38		# of strides	12.84	12.15	0.69

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

velocity 7.15 8.55 8.67 7.84 8.00 7.79 8.23

2002 European Championships (Munich, GER)

FINAL

date 09-Aug-02 wind -0.3 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hurtis, Muriel (FRA) (1978)	time		6.38	11.41	16.69	22.43	22.43	4 / 1			
	reaction time	0.180	interval	5.03	5.28	5.74		# of strides	11.41	11.02	0.39
			velocity	7.84	9.94	9.47	8.71		8.76	9.07	
Gevaert, Kim (BEL) (1979)	time		6.37	11.51	16.82	22.53	22.53	3 / 2			
	reaction time	0.152	interval	5.14	5.31	5.71		# of strides	11.51	11.02	0.49
			velocity	7.85	9.73	9.42	8.76		8.69	9.07	
Levorato, Manuela (ITA) (1977)	time		6.39	11.55	16.92	22.75	22.75	5 / 3			
	reaction time	0.145	interval	5.16	5.37	5.83		# of strides	11.55	11.20	0.35
			velocity	7.82	9.69	9.31	8.58		8.66	8.93	
Félix, Sylviane (FRA) (1977)	time		6.46	11.73	17.10	22.89	22.89	6 / 4			
	reaction time	0.167	interval	5.27	5.37	5.79		# of strides	11.73	11.16	0.57
			velocity	7.74	9.49	9.31	8.64		8.53	8.96	
Rockmeier, Gabi (GER) (1973)	time		6.43	11.59	17.02	23.00	23.00	8 / 5			
	reaction time	0.139	interval	5.16	5.43	5.98		# of strides	11.59	11.41	0.18
			velocity	7.78	9.69	9.21	8.36		8.63	8.76	
Mayr-Krifka, Karin (AUT) (1971)	time		6.39	11.56	17.04	23.06	23.06	2 / 6			
	reaction time	0.147	interval	5.17	5.48	6.02		# of strides	11.56	11.50	0.06
			velocity	7.82	9.67	9.12	8.31		8.65	8.70	
Poelman, Jacqueline (NED) (1971)	time		6.53	11.83	17.32	23.31	23.31	7 / 7			
	reaction time	0.163	interval	5.30	5.49	5.99		# of strides	11.83	11.48	0.35
			velocity	7.66	9.43	9.11	8.35		8.45	8.71	
Bikar, Alenka (SLO) (1974)	time		6.46	11.75	17.32	23.37	23.37	1 / 8			
	reaction time	0.143	interval	5.29	5.57	6.05		# of strides	11.75	11.62	0.13
			velocity	7.74	9.45	8.98	8.26		8.51	8.61	

Semi-Final 2

date 09-Aug-02 wind 0.0 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Gevaert, Kim (BEL) (1978)	time		6.38	11.50	16.93	22.73	22.73	/ 1			
	reaction time	0.141	interval	5.12	5.43	5.80		# of strides	11.50	11.23	0.27
			velocity	7.84	9.77	9.21	8.62		8.70	8.90	
Félix, Sylviane (FRA) (1977)	time		6.48	11.69	17.04	22.78	22.78	/ 2			
	reaction time	0.172	interval	5.21	5.35	5.74		# of strides	11.69	11.09	0.60
			velocity	7.72	9.60	9.35	8.71		8.55	9.02	
Rockmeier, Gabi (GER) (1973)	time		6.48	11.63	17.08	23.07	23.07	/ 3			
	reaction time	0.137	interval	5.15	5.45	5.99		# of strides	11.63	11.44	0.19
			velocity	7.72	9.71	9.17	8.35		8.60	8.74	
Poelman, Jacqueline (NED) (1971)	time		6.50	11.69	17.20	23.14	23.14	/ 4			
	reaction time	0.152	interval	5.19	5.51	5.94		# of strides	11.69	11.45	0.24
			velocity	7.69	9.63	9.07	8.42		8.55	8.73	
Graglia, Daniela (ITA) (1976)	time		6.36	11.66	17.24	23.20	23.20	/ 5			
	reaction time	0.140	interval	5.30	5.58	5.96	PB	# of strides	11.66	11.54	0.12
			velocity	7.86	9.43	8.96	8.39		8.58	8.67	
Tabakova, Yuliya (RUS) (1980)	time		6.45	11.70	17.32	23.32	23.32	/ 6			
	reaction time	0.144	interval	5.25	5.62	6.00		# of strides	11.70	11.62	0.08
			velocity	7.75	9.52	8.90	8.33		8.55	8.61	
Kaidantzi, Ólga (GRE) (1979)	time		6.57	11.87	17.39	23.39	23.39	/ 7			
	reaction time	0.163	interval	5.30	5.52	6.00		# of strides	11.87	11.52	0.35
			velocity	7.61	9.43	9.06	8.33		8.42	8.68	

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

Dia Longo, Fabé (FRA) (1977)	time	6.67	11.92	17.50	23.50	23.50	/ 8			
reaction time	0.156	interval	5.25	5.58	6.00		# of strides	11.92	11.58	0.34
		velocity	7.50	9.52	8.96	8.33	8.51	8.39	8.64	

Semi-Final 1

date 09-Aug-02

wind 1.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hurtis, Muriel (FRA) (1979)	time	6.40	11.45	16.75	22.46	22.46	/ 1			
reaction time	0.155	interval	5.05	5.30	5.71		# of strides	11.45	11.01	0.44
		velocity	7.81	9.90	9.43	8.76	8.90	8.73	9.08	
Levorato, Manuela (ITA) (1977)	time	6.42	11.68	17.07	22.93	22.93	/ 2			
reaction time	0.139	interval	5.26	5.39	5.86		# of strides	11.68	11.25	0.43
		velocity	7.79	9.51	9.28	8.53	8.72	8.56	8.89	
Mayr-Krifka, Karin (AUT) (1971)	time	6.44	11.59	17.06	22.99	22.99	/ 3			
reaction time	0.170	interval	5.15	5.47	5.93		# of strides	11.59	11.40	0.19
		velocity	7.76	9.71	9.14	8.43	8.70	8.63	8.77	
Bikar, Alenka (SLO) (1974)	time	6.45	11.71	17.23	23.18	23.18	/ 4			
reaction time	0.163	interval	5.26	5.52	5.95		# of strides	11.71	11.47	0.24
		velocity	7.75	9.51	9.06	8.40	8.63	8.54	8.72	
Sheehy, Ciara (IRL) (1980)	time	6.58	11.86	17.44	23.47	23.47	/ 5			
reaction time	0.163	interval	5.28	5.58	6.03		# of strides	11.86	11.61	0.25
		velocity	7.60	9.47	8.96	8.29	8.52	8.43	8.61	
Mashova, Ekaterina (BUL) (1974)	time	6.53	11.87	17.49	23.48	23.48	/ 6			
reaction time	0.141	interval	5.34	5.62	5.99		# of strides	11.87	11.61	0.26
		velocity	7.66	9.36	8.90	8.35	8.52	8.42	8.61	
Khabarova, Irina (RUS) (1966)	time	6.47	11.80	17.37	23.59	23.59	/ 7			
reaction time	0.187	interval	5.33	5.57	6.22		# of strides	11.80	11.79	0.01
		velocity	7.73	9.38	8.98	8.04	8.48	8.47	8.48	
Anderson, Shani (GBR) (1975)	time	6.59	11.88	17.49	23.60	23.60	/ 8			
reaction time	0.145	interval	5.29	5.61	6.11		# of strides	11.88	11.72	0.16
		velocity	7.59	9.45	8.91	8.18	8.47	8.42	8.53	

Heat 4

date 08-Aug-02

wind -0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Gevaert, Kim (BEL) (1978)	time	6.40	11.54	17.00	22.97	22.46	/ 1			
reaction time	0.164	interval	5.14	5.46	5.97		# of strides	11.54	11.43	0.11
		velocity	7.81	9.73	9.16	8.38	8.90	8.67	8.75	

Heat 3

date 08-Aug-02

wind 0.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Félix, Sylviane (FRA) (1977)	time	6.44	11.57	17.01	23.03	23.03	/ 1			
reaction time	0.168	interval	5.13	5.44	6.02		# of strides	11.57	11.46	0.11
		velocity	7.76	9.75	9.19	8.31	8.68	8.64	8.73	
Levorato, Manuela (ITA) (1977)	time	6.45	11.65	17.15	23.10	23.10	/ 2			
reaction time	0.164	interval	5.20	5.50	5.95		# of strides	11.65	11.45	0.20
		velocity	7.75	9.62	9.09	8.40	8.66	8.58	8.73	

Heat 2

date 08-Aug-02

wind -0.6 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Mayr-Krifka, Karin (AUT) (1971)	time	6.34	11.55	17.07	23.03	23.03	/ 1			
reaction time	0.141	interval	5.21	5.52	5.96		# of strides	11.55	11.48	0.07
		velocity	7.89	9.60	9.06	8.39	8.68	8.66	8.71	

Heat 1

date 08-Aug-02

wind -1.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Hurtis, Muriel (FRA) (1979)	time	6.41	11.54	16.93	22.86	22.86	/ 1			
reaction time	0.165	interval	5.13	5.39	5.93		# of strides	11.54	11.32	0.22

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

	velocity	7.80	9.75	9.28	8.43	8.75		8.67	8.83	
Rockmeier, Gabi (GER) (1973)	time	6.53	11.72	17.20	23.24	23.24	/ 2			
reaction time	0.141 interval		5.19	5.48	6.04		# of strides	11.72	11.52	0.20
	velocity	7.66	9.63	9.12	8.28	8.61		8.53	8.68	
Sheehy, Ciara (IRL) (1980)	time	6.42	11.64	17.16	23.25	23.25	/ 3			
reaction time	0.163 interval		5.22	5.52	6.09		# of strides	11.64	11.61	0.03
	velocity	7.79	9.58	9.06	8.21	8.60		8.59	8.61	

2001 Goodwill Games (Brisbane, AUS)

FINAL

	date	05-Sep-01	wind	-1.8 m/s							Track Newsletter (2001) - goodwill games
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ferguson, Debbie (BAH) (1976)	time			11.4		22.8	22.80	/ 1			
reaction time	interval					11.4		# of strides	11.40	11.40	0.00
	velocity			8.77		8.77	8.77		8.77	8.77	
White, Kellie (USA) (1977)	time			11.4		23.1	23.05	/ 2			
reaction time	interval					11.7	DV	# of strides	11.40	11.70	-0.30
	velocity			8.77		8.55	8.68		8.77	8.55	

2001 IAAF World Championships (Edmonton, CAN)

FINAL

	date	10-Aug-01	wind	-0.8 m/s							Butler (2013) - IAAF world championships statistics handbook- moscow 2013
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jones, Marion (USA) (1975)	time			10.9		22.39	22.39	5 / 4			
reaction time	0.186 interval					11.5	DV	# of strides	10.90	11.49	-0.59
	velocity			9.17		8.70	8.93	94.5	9.17	8.70	
Ferguson, Debbie (BAH) (1976)	time			11.1		22.52	22.52	4 / 2 1			
reaction time	0.176 interval					11.4		# of strides	11.10	11.42	-0.32
	velocity			9.01		8.76	8.88	96.0	9.01	8.76	
White, Kellie (USA) (1977)	time			11.2		22.56	22.56	3 / 3			
reaction time	0.147 interval					11.4	DV	# of strides	11.20	11.36	-0.16
	velocity			8.93		8.80	8.87	100.0	8.93	8.80	
Jenkins, LaTasha (USA) (1977)	time			11.3		22.85	22.85	7 / 4 2			
reaction time	0.157 interval					11.6		# of strides	11.30	11.55	-0.25
	velocity			8.85		8.66	8.75		8.85	8.66	
Mothersill, Cydonie (CAY) (1978)	time			11.3		22.88	22.88	1 / 5 3			
reaction time	0.164 interval					11.6		# of strides	11.30	11.58	-0.28
	velocity			8.85		8.64	8.74	97.0	8.85	8.64	
Campbell, Juliet (JAM) (1970)	time			11.3		22.99	22.99	2 / 6 4			
reaction time	0.169 interval					11.7		# of strides	11.30	11.69	-0.39
	velocity			8.85		8.55	8.70	91.0	8.85	8.55	
Bikar, Alenka (SLO) (1974)	time			11.3		23.00	23.00	8 / 7 5			
reaction time	0.160 interval					11.7		# of strides	11.30	11.70	-0.40
	velocity			8.85		8.55	8.70		8.85	8.55	
Mani, Myriam (CMR) (1977)	time			11.3		23.15	23.15	6 / 8 6			
reaction time	0.140 interval					11.9		# of strides	11.30	11.85	-0.55
	velocity			8.85		8.44	8.64		8.85	8.44	

2001 European Cup (Bremen, GER)

FINAL

	date	24-Jun-01	wind	0.3 m/s							Graubner (2007) - http://www.fgs.uni-halle.de
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Safronnikova, Natalia (BLR) (1975)	time		6.38	11.48	16.82	22.68	22.68	/ 1			
reaction time	0.139 interval			5.10	5.34	5.86	NR	# of strides	11.48	11.20	0.28
	velocity		7.84	9.80	9.36	8.53	8.82		8.71	8.93	
Tirlea, Ionela (ROU) (1976)	time		6.38	11.54	16.98	22.85	22.85	/ 2			
reaction time	0.166 interval			5.16	5.44	5.87		# of strides	11.54	11.31	0.23

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

	velocity	7.84	9.69	9.19	8.52	8.75		8.67	8.84	
Goncharenko, Svetlana (RUS) (	time	6.40	11.50	16.92	22.87	22.87	/ 3			
reaction time	0.149 interval		5.10	5.42	5.95		# of strides	11.50	11.37	0.13
	velocity	7.81	9.80	9.23	8.40	8.75		8.70	8.80	
Rockmeier, Gabi (GER) (1973)	time	6.46	11.65	17.12	23.04	23.04	/ 4			
reaction time	0.137 interval		5.19	5.47	5.92	PB	# of strides	11.65	11.39	0.26
	velocity	7.74	9.63	9.14	8.45	8.68		8.58	8.78	
Levorato, Manuela (ITA) (1977)	time	6.41	11.62	17.17	23.18	23.18	/ 5			
reaction time	0.122 interval		5.21	5.55	6.01		# of strides	11.62	11.56	0.06
	velocity	7.80	9.60	9.01	8.32	8.63		8.61	8.65	
Merry, Katharine (GBR) (1974)	time	6.50	11.74	17.24	23.21	23.21	/ 6			
reaction time	0.186 interval		5.24	5.50	5.97		# of strides	11.74	11.47	0.27
	velocity	7.69	9.54	9.09	8.38	8.62		8.52	8.72	
Dia Longo, Fabé (FRA) (1977)	time	6.56	11.78	17.32	23.29	23.29	/ 7			
reaction time	0.153 interval		5.22	5.54	5.97		# of strides	11.78	11.51	0.27
	velocity	7.62	9.58	9.03	8.38	8.59		8.49	8.69	
Suchovská, Erika (CZE) (1967)	time	6.64	12.08	17.75	23.79	23.79	/ 8			
reaction time	0.151 interval		5.44	5.67	6.04		# of strides	12.08	11.71	0.37
	velocity	7.53	9.19	8.82	8.28	8.41		8.28	8.54	

2001 NCAA Championships (Eugene, OR)

FINAL

date 02-Jun-01 wind 2.1 m/s

Track Newsletter (2001) - NCAA championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Glenn, Brianna (USA) (1980)	time		11.7		22.9	22.92	/ 1			
reaction time	interval				11.2		# of strides	11.70	11.20	0.50
	velocity		8.55		8.93	8.73		8.55	8.93	
Lee, Muna (USA) (1981)	time		11.6		23.1	23.05	/ 2			
reaction time	interval				11.5		# of strides	11.60	11.50	0.10
	velocity		8.62		8.70	8.68		8.62	8.70	

2000 Olympic Games (Sydney, AUS)

FINAL

date 28-Sep-00 wind 0.7 m/s

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

Veney - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jones, Marion (USA) (1975)	time		11.03	16.23	21.84	21.84	4 / 4			
reaction time	0.174 interval			5.20	5.61	DV	# of strides	11.03	10.81	0.22
	velocity		9.07	9.62	8.91	9.16		9.07	9.25	
Davis-Thompson, Paulien (BAH)	time		11.3		22.3	22.27	3 / 2 1			Butler (2016)
reaction time	0.185 interval				11.0	PB	# of strides	11.30	11.00	0.30
	velocity		8.85		9.09	8.98		8.85	9.09	
Jayasinghe, Susanthika (SRI) (1	time		11.2		22.3	22.28	6 / 3 2			Butler (2016)
reaction time	0.207 interval				11.1	NR	# of strides	11.20	11.10	0.10
	velocity		8.93		9.01	8.98		8.93	9.01	
McDonald, Beverly (JAM) (1970)	time		11.4		22.4	22.35	1 / 4 3			Butler (2016)
reaction time	0.151 interval				11.0		# of strides	11.40	11.00	0.40
	velocity		8.77		9.09	8.95		8.77	9.09	
Ferguson, Debbie (BAH) (1976)	time		11.3		22.4	22.37	5 / 5 4			Butler (2016)
reaction time	0.196 interval				11.1		# of strides	11.30	11.10	0.20
	velocity		8.85		9.01	8.94		8.85	9.01	
Gainsford-Taylor, Melinda (AUS)	time		11.4		22.4	22.42	7 / 6 5			Butler (2016)
reaction time	0.178 interval				11.0		# of strides	11.40	11.00	0.40
	velocity		8.77		9.09	8.92		8.77	9.09	
Freeman, Cathy (AUS) (1973)	time		11.68	16.96	22.53	22.53	2 / 7 6			Veney

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

reaction time	0.235	interval		5.28	5.57		# of strides	11.68	10.85	0.83
		velocity	8.56	9.47	8.98	8.88		8.56	9.22	

Block, Zhanna (UKR) (1972)	time	11.4	22.7	22.66	8 / 8 7					<i>Butler (2016)</i>
reaction time	0.190	interval		11.3	# of strides	11.40	11.30	0.10		
		velocity	8.77	8.85	8.83		8.77	8.85		

2000 USA Olympic Trials (Sacramento, CA)

FINAL

		date	23-Jul-00	wind	0.5 m/s						Track Newsletter (2000) - US olympic trials			
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Jones, Marion (USA) (1975)	time				11.1		21.9	21.94	5 / 1					
	reaction time						10.8		# of strides		11.10	10.80	0.30	
					velocity	9.01	9.26	9.12			9.01	9.26		
Miller, Inger (USA) (1972)	time				11.2		22.1	22.09	7 / 2					
	reaction time						10.9		# of strides		11.20	10.90	0.30	
					velocity	8.93	9.17	9.05			8.93	9.17		
Perry, Nanceen (USA) (1977)	time				11.3		22.4	22.38	6 / 3					
	reaction time						11.1	PB	# of strides		11.30	11.10	0.20	
					velocity	8.85	9.01	8.94			8.85	9.01		
Edwards, Torri (USA) (1977)	time				11.5		22.7	22.68	8 / 4					
	reaction time						11.2		# of strides		11.50	11.20	0.30	
					velocity	8.70	8.93	8.82			8.70	8.93		
Collander, Latasha (USA) (1976)	time				11.8		22.8	22.76	2 / 5					
	reaction time						11.0		# of strides		11.80	11.00	0.80	
					velocity	8.47	9.09	8.79			8.47	9.09		
Collins, Michelle (USA) (1971)	time				11.6		22.8	22.80	4 / 6					
	reaction time						11.2		# of strides		11.60	11.20	0.40	
					velocity	8.62	8.93	8.77			8.62	8.93		
Jenkins, LaTasha (USA) (1977)	time				11.8		23.0	22.99	3 / 7					
	reaction time						11.2		# of strides		11.80	11.20	0.60	
					velocity	8.47	8.93	8.70			8.47	8.93		
Guidry, Carlette (USA) (1968)	time				11.8		23.2	23.15	1 / 8					
	reaction time						11.4		# of strides		11.80	11.40	0.40	
					velocity	8.47	8.77	8.64			8.47	8.77		

1999 IAAF World Championships (Sevilla, ESP)

FINAL

		date	27-Aug-99	wind	0.6 m/s						Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999			
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential	
Miller, Inger (USA) (1972)	time			6.16	11.10	16.23	21.77	21.77	3 / 1					
	reaction time	0.124	interval		4.94	5.13	5.54	PB	# of strides		11.10	10.67	0.43	
			velocity	8.12	10.12	9.75	9.03	9.19			9.01	9.37		
McDonald, Beverly (JAM) (1970)	time			6.31	11.28	16.57	22.22	22.22	8 / 2					
	reaction time	0.135	interval		4.97	5.29	5.65	PB	# of strides		11.28	10.94	0.34	
			velocity	7.92	10.06	9.45	8.85	9.00			8.87	9.14		
Frazer, Merlene (JAM) (1973)	time			6.29	11.26	16.54	22.26	22.26	5 / =3					
	reaction time	0.277	interval		4.97	5.28	5.72		# of strides		11.26	11.00	0.26	
			velocity	7.95	10.06	9.47	8.74	8.98			8.88	9.09		
Philipp, Andrea (GER) (1971)	time			6.24	11.26	16.57	22.26	22.26	6 / =3					
	reaction time	0.136	interval		5.02	5.31	5.69		# of strides		11.26	11.00	0.26	
			velocity	8.01	9.96	9.42	8.79	8.98			8.88	9.09		
Ferguson, Debbie (BAH) (1976)	time			6.14	11.17	16.49	22.28	22.28	4 / 5					
	reaction time	0.168	interval		5.03	5.32	5.79		# of strides		11.17	11.11	0.06	
			velocity	8.14	9.94	9.40	8.64	8.98			8.95	9.00		

Yusuf, Fatima (NGR) (1971)	time	6.30	11.37	16.68	22.42	22.42	7 / 6			
reaction time	0.147	interval	5.07	5.31	5.74		# of strides	11.37	11.05	0.32
		velocity	7.94	9.86	9.42	8.71	8.92	8.80	9.05	

Hewitt, Lauren (AUS) (1978)	time	6.28	11.42	16.80	22.53	22.53	1 / 7			
reaction time	0.132	interval	5.14	5.38	5.73	PB	# of strides	11.42	11.11	0.31
		velocity	7.96	9.73	9.29	8.73	8.88	8.76	9.00	

Campbell, Juliet (JAM) (1970)	time	6.31	11.50	16.87	22.64	22.64	2 / 8			
reaction time	0.143	interval	5.19	5.37	5.77		# of strides	11.50	11.14	0.36
		velocity	7.92	9.63	9.31	8.67	8.83	8.70	8.98	

Semi-Final 1 (TV and	date	25-Aug-99	wind	1.8 m/s							Graubner (2008) - http://www.fgs.uni-halle.de
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Philipp, Andrea (GER) (1971)	time			11.47		22.25	22.25	8 / 2			
reaction time	0.139	interval				10.78	PB	# of strides	11.47	10.78	0.69
		velocity		8.72		9.28	8.99		8.72	9.28	

1999 Ericsson (Helsinki, FIN) (TV Analysis)

FINAL	date	10-Jun-99	wind	-0.4 m/s							Graubner (2008) - http://www.fgs.uni-halle.de
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jones, Marion (USA) (1975)	time			11.12		21.91	21.91	1 / 1			
reaction time		interval				10.79		# of strides	11.12	10.79	0.33
		velocity		8.99		9.27	9.13		8.99	9.27	

1998 IAAF World Cup (Johannesburg, RSA) (Altitude)

FINAL	date	11-Sep-98	wind	-0.6 m/s							Veney - 200m women from PJ
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jones, Marion (USA) (1975)	time		6.21	11.08	16.13	21.62	21.62	9 / 1			
reaction time	0.258	interval		4.87	5.05	5.49	CR / PB	# of strides	11.08	10.54	0.54
		velocity	8.05	10.27	9.90	9.11	9.25		9.03	9.49	
Ogunkoya, Falilat (NGR) (1968)	time		6.37	11.38	16.68	22.25	22.25	2 / 2			
reaction time	0.159	interval		5.01	5.30	5.57		# of strides	11.38	10.87	0.51
		velocity	7.85	9.98	9.43	8.98	8.99		8.79	9.20	
Pintusevich, Zhana (UKR) (1972)	0.192	no information available					22.35	5 / 3			
McDonald, Beverly (JAM) (1970)	0.204	no information available					22.36	8 / 4			
Privalova, Irina (RUS) (1968)	0.183	no information available					22.61	7 / 5			
Paschke, Melanie (GER) (1970)	0.139	no information available					22.70	4 / 6			
van Heer, Tania (AUS) (1970)	0.147	no information available					22.93	3 / 7			
Yan Jiankui (CHN) (1976)	0.190	no information available					23.19	6 / 8			

1997 Weltklasse (Zurich, SUI)

FINAL	date	13-Aug-97	wind	-0.8 m/s							Track Newsletter (1997) - Zurich GP
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jones, Marion (USA) (1975)	time			11.1		21.8	21.76	1 / 1			
reaction time		interval				10.70		# of strides	11.10	10.70	0.40
		velocity		9.01		9.35	9.19		9.01	9.35	

1997 IAAF World Championships (Athens, GRE)

FINAL	date	08-Aug-97	wind	-0.7 m/s							Ritzdorf (1997) - biomechanical research project at the VI th world championships
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Pintusevich, Zhanna (UKR) (1972)	time		6.00	11.04	16.36	22.20	22.32	5 / 1			
reaction time	0.124	interval		5.04	5.32	5.84		# of strides	11.04	11.16	-0.12
		velocity	8.33	9.92	9.40	8.56	8.96	97.5	9.06	8.96	
Jayasinghe, Susanthika (SRI) (1971)	time		6.05	11.07	16.39	22.21	22.39	4 / 2			
reaction time	0.181	interval		5.02	5.32	5.82		# of strides	11.07	11.14	-0.07
		velocity	8.26	9.96	9.40	8.59	8.93	95.0	9.03	8.98	
Ottey, Merlene (JAM) (1960)	time		5.99	10.99	16.23	22.25	22.40	3 / 3			
reaction time	0.146	interval		5.00	5.24	6.02		# of strides	10.99	11.26	-0.27
		velocity	8.35	10.00	9.54	8.31	8.93	95.0	9.10	8.88	

FINAL

date 22-Jun-97

wind -0.2 m/s

Jung (2003) - <http://www.fqs.uni-halle.de>

Name		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Arron, Christine (FRA) (1973)	time	6.35	11.42	16.80	22.89	22.89	/ 1			
	reaction time									
	interval		5.07	5.38	6.09		# of strides	11.42	11.47	-0.05
	velocity	7.87	9.86	9.29	8.21	8.74		8.76	8.72	
Philipp, Andrea (GER) (1971)	time	6.49	11.72	17.13	22.98	22.98	/ 2			
	reaction time					=PB				
	interval		5.23	5.41	5.85		# of strides	11.72	11.26	0.46
	velocity	7.70	9.56	9.24	8.55	8.70		8.53	8.88	
Trandenkova, Marina (RUS) (1971)	time	6.42	11.66	17.13	23.16	23.16	/ 3			
	reaction time									
	interval		5.24	5.47	6.03		# of strides	11.66	11.50	0.16
	velocity	7.79	9.54	9.14	8.29	8.64		8.58	8.70	
Safronnikova, Natallia (BLR) (1971)	time	6.57	11.87	17.38	23.36	23.36	/ 4			
	reaction time									
	interval		5.30	5.51	5.98		# of strides	11.87	11.49	0.38
	velocity	7.61	9.43	9.07	8.36	8.56		8.42	8.70	
de Angeli, Virna (ITA) (1976)	time	6.68	12.04	17.55	23.58	23.58	/ 5			
	reaction time									
	interval		5.36	5.51	6.03		# of strides	12.04	11.54	0.50
	velocity	7.49	9.33	9.07	8.29	8.48		8.31	8.67	
Jacobs, Simone (GBR) (1966)	time	6.50	11.74	17.32	23.62	23.62	/ 6			
	reaction time									
	interval		5.24	5.58	6.30		# of strides	11.74	11.88	-0.14
	velocity	7.69	9.54	8.96	7.94	8.47		8.52	8.42	
Lysakova, Olga (UKR) (1971)	time	6.66	12.11	17.86	24.14	24.14	/ 7			
	reaction time									
	interval		5.45	5.75	6.28		# of strides	12.11	12.03	0.08
	velocity	7.51	9.17	8.70	7.96	8.29		8.26	8.31	
Bumbescu, Monika (ROU) (1971)	time	6.70	12.18	17.95	24.29	24.29	/ 8			
	reaction time									
	interval		5.48	5.77	6.34		# of strides	12.18	12.11	0.07
	velocity	7.46	9.12	8.67	7.89	8.23		8.21	8.26	

FINAL

date 01-Aug-96

wind 0.3 m/s

Veney - 200m women from PJ

				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Pérec, Marie-José (FRA) (1968)	time			11.38	16.61	22.12	22.12	3 / 1				
	reaction time	0.174	interval		5.23	5.51		# of strides		11.38	10.74	0.64
			velocity		8.79	9.56	9.07	9.04		8.79	9.31	
Ottey, Merlene (JAM) (1960)	time			11.28	16.51	22.24	22.24	5 / 2				
	reaction time	0.194	interval		5.23	5.73		# of strides		11.28	10.96	0.32
			velocity		8.79	9.56	9.07	9.04		8.79	9.31	

	velocity	8.87	9.56	8.73	8.99		8.87	9.12	
Onyali-Omagbemi, Mary (NGR)	time	11.37	16.63	22.38	22.38	4 / 3			
	reaction time	0.231	interval	5.26	5.75	# of strides	11.37	11.01	0.36
	velocity	8.80	9.51	8.70	8.94		8.80	9.08	
Miller, Inger (USA) (1972)	time	11.36	16.63	22.41	22.41	7 / 4			
	reaction time	0.172	interval	5.27	5.78	# of strides	11.36	11.05	0.31
	velocity	8.80	9.49	8.65	8.92		8.80	9.05	
Malchugina, Galina (URS) (1962)	time	11.56	16.83	22.45	22.45	6 / 5			
	reaction time	0.198	interval	5.27	5.62	# of strides	11.56	10.89	0.67
	velocity	8.65	9.49	8.90	8.91		8.65	9.18	
Sturup, Chandra (BAH) (1971)	time	11.32	16.68	22.54	22.54	8 / 6			
	reaction time	0.165	interval	5.36	5.86	# of strides	11.32	11.22	0.10
	velocity	8.83	9.33	8.53	8.87		8.83	8.91	
Cuthbert, Juliet (JAM) (1964)	time	11.51		22.60	22.60	1 / 7			
	reaction time	0.175	interval	11.09		# of strides	11.51	11.09	0.42
	velocity	8.69		9.02	8.85		8.69	9.02	
Guidry-White, Carlette (USA) (1977)	time	11.41	16.70	22.61	22.61	2 / 8			
	reaction time	0.207	interval	5.29	5.91	# of strides	11.41	11.20	0.21
	velocity	8.76	9.45	8.46	8.85		8.76	8.93	

Semi-Final 1

date 01-Aug-96

wind 0.4 m/s

Vazel (2011) - speed reserve in the 400m

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Pérec, Marie-José (FRA) (1968)	time		11.28		22.07	22.07	4 / 1			
	reaction time		0.185		interval		# of strides	11.28	10.79	0.49
	velocity		8.87		9.27	9.06		8.87	9.27	

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

date 29-Jun-96

wind -1.3 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Perry, Nanceen (USA) (1977)	time	6.65	11.96	17.50	23.52	23.52	4 / 1			
	reaction time		interval	5.31	6.02		# of strides	11.96	11.56	0.40
	velocity	7.52	9.42	9.03	8.31	8.50		8.36	8.65	
Cox, Crystal (USA) (1979)	time	6.65	11.86	17.50	23.69	23.69	5 / 2			
	reaction time		interval	5.21	6.19		# of strides	11.86	11.83	0.03
	velocity	7.52	9.60	8.87	8.08	8.44		8.43	8.45	
Anderson, Andrea (USA) (1977)	time	6.61	11.96	17.56	23.85	23.85	6 / 3			
	reaction time		interval	5.35	6.29		# of strides	11.96	11.89	0.07
	velocity	7.56	9.35	8.93	7.95	8.39		8.36	8.41	
Simmons, Alexia (USA) (1977)	time	6.71	11.98	17.80	24.18	24.18	7 / 4			
	reaction time		interval	5.27	6.38	PB	# of strides	11.98	12.20	-0.22
	velocity	7.45	9.49	8.59	7.84	8.27		8.35	8.20	
Carmichael, Nicole (USA) (1977)	time	6.86	12.34		25.01	25.01	8 / 5			
	reaction time		interval	5.48	12.67		# of strides	12.34	12.67	-0.33
	velocity	7.29	9.12		7.89	8.00		8.10	7.89	
Rivers, Theodoesha (USA) (1977)	time	6.95	12.61		25.07	25.07	3 / 6			
	reaction time		interval	5.66	12.46		# of strides	12.61	12.46	0.15
	velocity	7.19	8.83		8.03	7.98		7.93	8.03	

1996 USA Olympic Trials (Atlanta, GA)**FINAL**

date 23-Jun-96

wind -0.6 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Guidry-White, Carlette (USA) (1977)	time		11.22	16.43	22.14	22.14	3 / 1			
	reaction time		interval	5.21	5.71	PB	# of strides	11.22	10.92	0.30
	velocity		8.91	9.60	8.76	9.03		8.91	9.16	

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

Young-Stone, Dannette (USA)	time	11.27	16.48	22.18	22.18	5 / 2				
	reaction time	0.168	interval	5.21	5.70	PB	# of strides	11.27	10.91	0.36
	velocity	8.87	9.60	8.77	9.02			8.87	9.17	
Miller, Inger (USA) (1972)	time	11.28	16.52	22.25	22.25	8 / 3				
	reaction time	0.167	interval	5.24	5.73	=PB	# of strides	11.28	10.97	0.31
	velocity	8.87	9.54	8.73	8.99			8.87	9.12	
Torrence, Gwen (USA) (1965)	time	11.29	16.53	22.25	22.25	4 / 4				
	reaction time		interval	5.24	5.72		# of strides	11.29	10.96	0.33
	velocity	8.86	9.54	8.74	8.99			8.86	9.12	
Feagin, Zundra (USA) (1973)	time	11.33	16.57	22.33	22.33	6 / 5				
	reaction time		interval	5.24	5.76		# of strides	11.33	11.00	0.33
	velocity	8.83	9.54	8.68	8.96			8.83	9.09	
Mondie-Milner, Celena (USA) (1975)	time	11.62	16.93	22.55	22.55	7 / 6				
	reaction time		interval	5.31	5.62		# of strides	11.62	10.93	0.69
	velocity	8.61	9.42	8.90	8.87			8.61	9.15	
Taplin, Cheryl (USA) (1972)	time	11.37	16.77	22.59	22.59	2 / 7				
	reaction time		interval	5.40	5.82	PB	# of strides	11.37	11.22	0.15
	velocity	8.80	9.26	8.59	8.85			8.80	8.91	
Jett, Kisha (USA) (1975)	time	11.60	17.02	23.09	23.09	1 / 8				
	reaction time		interval	5.42	6.07		# of strides	11.60	11.49	0.11
	velocity	8.62	9.23	8.24	8.66			8.62	8.70	

Semi-Final 2

date 22-Jun-96

wind 0.5 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Young-Stone, Dannette (USA)	time	11.39	16.68	22.31	22.31	22.31	3 / 1			
	reaction time		interval	5.29	5.63	PB	# of strides	11.39	10.92	0.47
	velocity	8.78	9.45	8.88	8.96	8.96		8.78	9.16	
Torrence, Gwen (USA) (1965)	time	11.49	16.75	22.35	22.35	22.35	6 / 2			
	reaction time		interval	5.26	5.60		# of strides	11.49	10.86	0.63
	velocity	8.70	9.51	8.93	8.95	8.95		8.70	9.21	
Miller, Inger (USA) (1972)	time	11.52	16.83	22.45	22.45	22.45	5 / 3			
	reaction time		interval	5.31	5.62		# of strides	11.52	10.93	0.59
	velocity	8.68	9.42	8.90	8.91	8.91		8.68	9.15	
Taplin, Cheryl (USA) (1972)	time	11.67	17.18	22.95	22.95	22.95	4 / 4			
	reaction time		interval	5.51	5.77		# of strides	11.67	11.28	0.39
	velocity	8.57	9.07	8.67	8.71	8.71		8.57	8.87	
Perry, Nanceen (USA) (1977)	time	11.96	17.43	23.46	23.46	23.46	2 / 5			
	reaction time		interval	5.47	6.03		# of strides	11.96	11.50	0.46
	velocity	8.36	9.14	8.29	8.53	8.53		8.36	8.70	
Mayo, Treshell (USA) (1974)	time	11.89	17.46	23.49	23.49	23.49	1 / 6			
	reaction time		interval	5.57	6.03		# of strides	11.89	11.60	0.29
	velocity	8.41	8.98	8.29	8.51	8.51		8.41	8.62	
Harris, Flirtisha (USA) (1972)	time	12.07	17.80	24.00	24.00	24.00	8 / 7			
	reaction time		interval	5.73	6.20		# of strides	12.07	11.93	0.14
	velocity	8.29	8.73	8.06	8.33	8.33		8.29	8.38	

Semi-Final 1

date 22-Jun-96

wind -0.5 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Guidry-White, Carlette (USA) (1977)	time	11.35	16.49	22.29	22.29	22.29	5 / 1			
	reaction time		interval	5.14	5.80	PB	# of strides	11.35	10.94	0.41
	velocity	8.81	9.73	8.62	8.97	8.97		8.81	9.14	
Feagin, Zundra (USA) (1973)	time	11.55	16.64	22.35	22.35	22.35	3 / 2			

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

reaction time	interval	5.09	5.71		# of strides	11.55	10.80	0.75
	velocity	8.66	9.82	8.76	8.95	8.66	9.26	
Mondie-Milner, Celena (USA) (1975)	time	11.62	16.84	22.59	22.59	4 / 3		
reaction time	interval		5.22	5.75	# of strides	11.62	10.97	0.65
	velocity	8.61	9.58	8.70	8.85	8.61	9.12	
Jett, Kisha (USA) (1975)	time	11.65	16.93	22.94	22.94	6 / 4		
reaction time	interval		5.28	6.01	# of strides	11.65	11.29	0.36
	velocity	8.58	9.47	8.32	8.72	8.58	8.86	
Burkett, Aspen (USA) (1976)	time	12.03	17.46	23.36	23.36	8 / 5		
reaction time	interval		5.43	5.90	# of strides	12.03	11.33	0.70
	velocity	8.31	9.21	8.47	8.56	8.31	8.83	
Roberts, Tameka (USA) (1974)	time	11.88	17.29	23.39	23.39	7 / 6		
reaction time	interval		5.41	6.10	# of strides	11.88	11.51	0.37
	velocity	8.42	9.24	8.20	8.55	8.42	8.69	
Williams, Angela (USA) (1980)	time	11.98	17.35	23.40	23.40	2 / 7		
reaction time	interval		5.37	6.05	PB # of strides	11.98	11.42	0.56
	velocity	8.35	9.31	8.26	8.55	8.35	8.76	
Jones, Esther (USA) (1969)	time	12.00	17.43	23.47	23.47	1 / 8		
reaction time	interval		5.43	6.04	# of strides	12.00	11.47	0.53
	velocity	8.33	9.21	8.28	8.52	8.33	8.72	

1995 IAAF World Championships (Göteborg, SWE)

FINAL

NAME	date	10-Aug-95	wind -2.2 m/s			Veney - 200m women from PJ					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Torrence, Gwen (USA) (1965)	time			11.14	16.17	21.77	21.77	6 / 1			
	reaction time				5.03	5.60	DQ	# of strides	11.14	10.63	0.51
	velocity			8.98	9.94	8.93	9.19	96.0	8.98	9.41	
Ottey, Merlene (JAM) (1960)	time			11.12	16.37	22.12	22.12	4 / 2 1			
	reaction time	0.157			5.25	5.75		# of strides	11.12	11.00	0.12
	velocity			8.99	9.52	8.70	9.04	91.5	8.99	9.09	
Privalova, Irina (RUS) (1968)	time			11.17	16.40	22.12	22.12	5 / 3 2			
	reaction time	0.189			5.23	5.72		# of strides	11.17	10.95	0.22
	velocity			8.95	9.56	8.74	9.04	92.2	8.95	9.13	
Malchugina, Galina (URS) (1962)	time			11.35	16.57	22.37	22.37	3 / 4 3			
	reaction time				5.22	5.80		# of strides	11.35	11.02	0.33
	velocity			8.81	9.58	8.62	8.94	97.7	8.81	9.07	
Paschke, Melanie (GER) (1970)	time			11.43	16.71	22.60	22.60	7 / 5 4			
	reaction time				5.28	5.89		# of strides	11.43	11.17	0.26
	velocity			8.75	9.47	8.49	8.85	100.0	8.75	8.95	
Knoll, Silke (GER) (1967)	time			11.57	16.86	22.66	22.66	2 / 6 5			
	reaction time				5.29	5.80		# of strides	11.57	11.09	0.48
	velocity			8.64	9.45	8.62	8.83	103.5	8.64	9.02	
Onyali, Mary (NGR) (1968)	time			11.39	16.73	22.71	22.71	8 / 7 6			
	reaction time				5.34	5.98		# of strides	11.39	11.32	0.07
	velocity			8.78	9.36	8.36	8.81	95.0	8.78	8.83	
Trandenkova, Marina (RUS) (1969)	time			11.68	17.06	22.84	22.84	1 / 8 7			
	reaction time				5.38	5.78	PB	# of strides	11.68	11.16	0.52
	velocity			8.56	9.29	8.65	8.76	101.5	8.56	8.96	

1995 USATF National Championships (Sacramento, CA)

FINAL

date 18-Jun-95		wind 2.3 m/s		USATF Women's Sprint Development (1995)						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential

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

Torrence, Gwen (USA) (1965)	time	6.23	11.25	16.46	22.03	22.03	5 / 1			
	reaction time			5.02	5.21	5.57	# of strides	11.25	10.78	0.47
	velocity	8.03	9.96	9.60	8.98	9.08		8.89	9.28	
Guidry, Carlette (USA) (1968)	time	6.25	11.40	16.74	22.57	22.57	3 / 2			
	reaction time			5.15	5.34	5.83	# of strides	11.40	11.17	0.23
	velocity	8.00	9.71	9.36	8.58	8.86		8.77	8.95	
Mondie-Milner, Celena (USA) (1971)	time	6.31	11.61	16.96	22.76	22.76	4 / 3			
	reaction time			5.30	5.35	5.80	# of strides	11.61	11.15	0.46
	velocity	7.92	9.43	9.35	8.62	8.79		8.61	8.97	
Burkett, Aspen (USA) (1976)	time	6.37	11.68	17.06	22.77	22.77	6 / 4			
	reaction time			5.31	5.38	5.71	# of strides	11.68	11.09	0.59
	velocity	7.85	9.42	9.29	8.76	8.78		8.56	9.02	
Gaines, Chryste (USA) (1970)	time	6.40	11.53	17.03	23.07	23.07	7 / 5			
	reaction time			5.13	5.50	6.04	# of strides	11.53	11.54	-0.01
	velocity	7.81	9.75	9.09	8.28	8.67		8.67	8.67	
Walton, Sue (USA) (1972)	time	6.45	11.76	17.30	23.28	23.28	8 / 6			
	reaction time			5.31	5.54	5.98	# of strides	11.76	11.52	0.24
	velocity	7.75	9.42	9.03	8.36	8.59		8.50	8.68	
Feagin, Zundra (USA) (1973)	time	6.40	11.73	17.25	23.28	23.28	2 / 7			
	reaction time			5.33	5.52	6.03	# of strides	11.73	11.55	0.18
	velocity	7.81	9.38	9.06	8.29	8.59		8.53	8.66	
Young-Stone, Dannette (USA)	time	6.50	11.83	17.32	23.31	23.31	1 / 8			
	reaction time			5.33	5.49	5.99	# of strides	11.83	11.48	0.35
	velocity	7.69	9.38	9.11	8.35	8.58		8.45	8.71	

1993 IAAF World Championships (Stuttgart, GER)

FINAL

		date	19-Aug-93	wind	0.0 m/s						Veney - 200m women from PJ		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
Ottey, Merlene (JAM) (1960)	time			6.21	11.15	16.33	21.98	21.98	4 / 1				
	reaction time	0.219			4.94	5.18	5.65		# of strides	11.15	10.83		0.32
	velocity			8.05	10.12	9.65	8.85	9.10	92.5	8.97	9.23		
Torrence, Gwen (USA) (1965)	time			6.30	11.28	16.44	22.00	22.00	6 / 2				
	reaction time	0.244			4.98	5.16	5.56		# of strides	11.28	10.72		0.56
	velocity			7.94	10.04	9.69	8.99	9.09	97.5	8.87	9.33		
Privalova, Irina (RUS) (1968)	time			6.25	11.30	16.54	22.13	22.13	3 / 3				
	reaction time	0.206			5.05	5.24	5.59		# of strides	11.30	10.83		0.47
	velocity			8.00	9.90	9.54	8.94	9.04	91.5	8.85	9.23		
Pérec, Marie-José (FRA) (1968)	time			6.32	11.36	16.52	22.20	22.20	7 / 4				
	reaction time	0.194			5.04	5.16	5.68		# of strides	11.36	10.84		0.52
	velocity			7.91	9.92	9.69	8.80	9.01	85.2	8.80	9.23		
Onyali, Mary (NGR) (1968)	time			6.30	11.36	16.66	22.32	22.32	2 / 5				
	reaction time	0.216			5.06	5.30	5.66		# of strides	11.36	10.96		0.40
	velocity			7.94	9.88	9.43	8.83	8.96	94.0	8.80	9.12		
Voronova-Pomoshnikova, Natal	time			6.41	11.48	16.82	22.50	22.50	8 / 6				
	reaction time	0.262			5.07	5.34	5.68		# of strides	11.48	11.02		0.46
	velocity			7.80	9.86	9.36	8.80	8.89	95.2	8.71	9.07		
Malchugina, Galina (RUS) (1962)	time			6.33	11.33	16.65	22.50	22.50	5 / 7				
	reaction time	0.249			5.00	5.32	5.85		# of strides	11.33	11.17		0.16
	velocity			7.90	10.00	9.40	8.55	8.89	99.2	8.83	8.95		
Young-Stone, Dannette (USA)	time			6.66	11.88	17.26	23.04	23.04	1 / 8				
	reaction time	0.189			5.22	5.38	5.78		# of strides	11.88	11.16		0.72
	velocity			7.51	9.58	9.29	8.65	8.68		8.42	8.96		

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

1992 Olympic Games (Barcelona, ESP)**FINAL**

date 06-Aug-92 wind -0.6 m/sr (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Torrence, Gwen (USA) (1965)	time		11.27		21.81	21.81	6 / 1			
	reaction time				10.54		# of strides	11.27	10.54	0.73
	velocity		8.87		9.49	9.17	98.5	8.87	9.49	
Cuthbert, Juliet (JAM) (1964)	time		11.3		22.0	22.02	4 / 2			
	reaction time				10.70		# of strides	11.30	10.70	0.60
	velocity		8.85		9.35	9.08	97.0	8.85	9.35	
Ottey, Merlene (JAM) (1960)	time		11.2		22.1	22.09	5 / 3			
	reaction time				10.90		# of strides	11.20	10.90	0.30
	velocity		8.93		9.17	9.05	93.7	8.93	9.17	
Privalova, Irina (EUN) (1968)	time		11.2		22.2	22.19	3 / 4			
	reaction time				11.00		# of strides	11.20	11.00	0.20
	velocity		8.93		9.09	9.01	93.7	8.93	9.09	
Guidry, Carlette (USA) (1968)	time		11.4		22.3	22.30	7 / 5			
	reaction time				10.90		# of strides	11.40	10.90	0.50
	velocity		8.77		9.17	8.97	91.0	8.77	9.17	
Jackson, Grace (JAM) (1961)	time		11.6		22.6	22.58	8 / 6			
	reaction time				11.00		# of strides	11.60	11.00	0.60
	velocity		8.62		9.09	8.86		8.62	9.09	
Finn, Michelle (USA) (1965)	time		11.4		22.6	22.61	2 / 7			
	reaction time				11.20		# of strides	11.40	11.20	0.20
	velocity		8.77		8.93	8.85	95.2	8.77	8.93	
Malchugina, Galina (EUN) (1962)	time		11.5		22.6	22.63	1 / 8			
	reaction time				11.10		# of strides	11.50	11.10	0.40
	velocity		8.70		9.01	8.84	101.5	8.70	9.01	

Semi-Final 2

date 05-Aug-92 wind -0.1 m/s

Veney - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Torrence, Gwen (USA) (1965)	time		11.26	16.35	21.72	21.72	3 / 1			
	reaction time			5.09	5.37	PB	# of strides	11.26	10.46	0.80
	velocity		8.88	9.82	9.31	9.21	97.0	8.88	9.56	
Finn, Michelle (USA) (1965)	time		11.24	16.59	22.39	22.39	4 / 4			
	reaction time			5.35	5.80	PB	# of strides	11.24	11.15	0.09
	velocity		8.90	9.35	8.62	8.93	95.0	8.90	8.97	

1992 Ingolstadt**FINAL**

date 19-Jul-92 wind 0.7 m/s

Graubner (2008) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Knoll, Silke (GER) (1967)	time		11.51		22.29	22.29	/ 1			
	reaction time				10.78	PB	# of strides	11.51	10.78	0.73
	velocity		8.69		9.28	8.97		8.69	9.28	

1991 IAAF World Championships (Tokyo, JPN)**FINAL**

date 30-Aug-91 wind -2.4 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Krabbe, Katrin (GER) (1969)	time		11.07		22.09	22.09	3 / 1			
	reaction time				11.02		# of strides	11.07	11.02	0.05
	velocity		9.03		9.07	9.05	92.0	9.03	9.07	
Torrence, Gwen (USA) (1965)	time		11.30		22.16	22.16	4 / 2			
	reaction time				10.86		# of strides	11.30	10.86	0.44
	velocity		8.85		9.21	9.03	98.0	8.85	9.21	
Ottey, Merlene (JAM) (1960)	time		11.17		22.21	22.21	5 / 3			

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

reaction time	interval	11.04	# of strides	11.17	11.04	0.13
velocity	8.95	9.06	9.00	93.7	8.95	9.06
Privalova, Irina (URS) (1968)	time	11.25	22.28	22.28	7 / 4	
reaction time	interval	11.03	# of strides	11.25	11.03	0.22
velocity	8.89	9.07	8.98	91.5	8.89	9.07
Malchugina, Galina (URS) (1962)	time	11.50	22.66	22.66	1 / 5	
reaction time	interval	11.16	# of strides	11.50	11.16	0.34
velocity	8.70	8.96	8.83	100.0	8.70	8.96
Young, Dannette (USA) (1964)	time	11.48	22.87	22.87	6 / 6	
reaction time	interval	11.39	# of strides	11.48	11.39	0.09
velocity	8.71	8.78	8.75	101.2	8.71	8.78
Davis-Thompson, Pauline (BAH)	time	11.67	22.90	22.90	2 / 7	
reaction time	interval	11.23	# of strides	11.67	11.23	0.44
velocity	8.57	8.90	8.73	96.2	8.57	8.90
Vinogradova, Yelena (URS) (196)	time	11.60	23.10	23.10	8 / 8	
reaction time	interval	11.50	# of strides	11.60	11.50	0.10
velocity	8.62	8.70	8.66	8.62	8.70	

1991 European Cup (Frankfurt, GER)**FINAL**

date 30-Jun-91 wind -3.4 m/s Federle (2003) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Privalova, Irina (URS) (1968)	time		11.50		22.48	22.48	/ 1			
reaction time	interval				10.98		# of strides	11.50	10.98	0.52
velocity	8.70			9.11	8.90			8.70	9.11	
Thomas, Andrea (GER) (1963)	time	11.56		23.08	23.08		/ 2			
reaction time	interval			11.52			# of strides	11.56	11.52	0.04
velocity	8.65			8.68	8.67			8.65	8.68	
Nestoret, Maguy (FRA) (1969)	time	11.74		23.22	23.22		/ 3			
reaction time	interval			11.48			# of strides	11.74	11.48	0.26
velocity	8.52			8.71	8.61			8.52	8.71	
Jacobs, Simone (GBR) (1966)	time	11.71		23.78	23.78		/ 4			
reaction time	interval			12.07			# of strides	11.71	12.07	-0.36
velocity	8.54			8.29	8.41			8.54	8.29	
Ilieva, Tsvetanka (BUL) (1963)	time	12.24		24.04	24.04		/ 5			
reaction time	interval			11.80			# of strides	12.24	11.80	0.44
velocity	8.17			8.47	8.32			8.17	8.47	
Smolarek, Joanna (POL) (1965)	time	12.02		24.05	24.05		/ 6			
reaction time	interval			12.03			# of strides	12.02	12.03	-0.01
velocity	8.32			8.31	8.32			8.32	8.31	
Kozáry, Ágnes (HUN) (1966)	time	12.15		24.21	24.21		/ 7			
reaction time	interval			12.06			# of strides	12.15	12.06	0.09
velocity	8.23			8.29	8.26			8.23	8.29	
Solcan, Elena (ROU) (1970)	time	12.20		24.30	24.30		/ 8			
reaction time	interval			12.10			# of strides	12.20	12.10	0.10
velocity	8.20			8.26	8.23			8.20	8.26	

1991 German National Championships (Hannover, GER)**FINAL**

date 28-Jul-91 wind -1.4 m/s Graubner (2008) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Krabbe, Katrin (GER) (1969)	time	6.17	11.20	16.46	22.12	22.12	/ 1			
reaction time	interval		5.03	5.26	5.66		# of strides	11.20	10.92	0.28
velocity	8.10	9.94	9.51	8.83	9.04			8.93	9.16	

1990 Asian Games (Beijing, CHN)**FINAL**

date 02-Oct-90

wind -1.0 m/s

Feng (1992) - Beijing asian games women's 100m, 200m, 400m technical analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Han Qing (CHN) (1970)	time		11.95	17.59	23.42	23.42	/ 1			
	reaction time			5.64	5.83		# of strides	11.95	11.47	0.48
	velocity		8.37	8.87	8.58	8.54	98.6	8.37	8.72	
Tian Yumei (CHN) (1965)	time		12.02	17.78	23.98	24.01	/ 3			
	reaction time			5.76	6.20		# of strides	12.02	11.96	0.06
	velocity		8.32	8.68	8.06	8.33		8.32	8.36	

1989 IAAF World Cup (Barcelona, ESP)**FINAL**

date 08-Sep-89

wind 0.2 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Möller, Silke (GDR) (1964)	time		11.28	16.70	22.46	22.46	/ 1			
	reaction time 0.203			5.42	5.76		# of strides	11.28	11.18	0.10
	velocity		8.87	9.23	8.68	8.90		8.87	8.94	
Onyali, Mary (NGR) (1968)	time		11.56	17.00	22.82	22.82	/ 2			
	reaction time 0.253			5.44	5.82		# of strides	11.56	11.26	0.30
	velocity		8.65	9.19	8.59	8.76		8.65	8.88	
Jackson, Grace (JAM) (1961)	time		11.98	17.38	22.87	22.87	/ 3			
	reaction time 0.212			5.40	5.49		# of strides	11.98	10.89	1.09
	velocity		8.35	9.26	9.11	8.75		8.35	9.18	
Young, Dannette (USA) (1964)	time		11.74	17.28	23.08	23.08	/ 4			
	reaction time			5.54	5.80		# of strides	11.74	11.34	0.40
	velocity		8.52	9.03	8.62	8.67		8.52	8.82	
Malchugina, Galina (URS) (1962)	time		11.44	17.06	23.12	23.12	/ 5			
	reaction time			5.62	6.06		# of strides	11.44	11.68	-0.24
	velocity		8.74	8.90	8.25	8.65		8.74	8.56	
Bily, Laurence (FRA) (1963)	time		11.64	17.22	23.20	23.20	/ 6			
	reaction time			5.58	5.98		# of strides	11.64	11.56	0.08
	velocity		8.59	8.96	8.36	8.62		8.59	8.65	
Broadrick, Susanne (AUS) (1968)	time		12.04	17.94	24.05	24.05	/ 7			
	reaction time			5.90	6.11		# of strides	12.04	12.01	0.03
	velocity		8.31	8.47	8.18	8.32		8.31	8.33	
Zhang Xiaoqiong (CHN) (1966)	time		12.22	18.06	24.25	24.25	/ 8			
	reaction time			5.84	6.19		# of strides	12.22	12.03	0.19
	velocity		8.18	8.56	8.08	8.25		8.18	8.31	
Lacambra, Blanca (ESP) (1965)	time		12.26	18.20	24.44	24.44	/ 9			
	reaction time			5.94	6.24		# of strides	12.26	12.18	0.08
	velocity		8.16	8.42	8.01	8.18		8.16	8.21	

1988 Olympic Games (Seoul, KOR)**FINAL**

date 29-Sep-88

wind 1.3 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Griffith-Joyner, Florence (USA)	time	6.29	11.18	16.10	21.34	21.34	5 / 1			
	reaction time 0.205		4.89	4.92	5.24	WR	# of strides	11.18	10.16	1.02
	velocity	7.95	10.22	10.16	9.54	9.37	91.8	8.94	9.84	
Jackson, Grace (JAM) (1961)	time	6.32	11.32	16.38	21.72	21.72	6 / 2			
	reaction time 0.195		5.00	5.06	5.34	PB	# of strides	11.32	10.40	0.92
	velocity	7.91	10.00	9.88	9.36	9.21	83.3	8.83	9.62	
Drechsler, Heike (GDR) (1964)	time	6.29	11.36	16.51	21.95	21.95	1 / 3			
	reaction time 0.172		5.07	5.15	5.44		# of strides	11.36	10.59	0.77
	velocity	7.95	9.86	9.71	9.19	9.11	89.5	8.80	9.44	

Ottey, Merlene (JAM) (1960)	time	6.20	11.19	16.34	21.99	21.99	3 / 4			
reaction time	0.180	interval	4.99	5.15	5.65	PB	# of strides	11.19	10.80	0.39
		velocity	8.06	10.02	9.71	9.10	90.4	8.94	9.26	
Möller, Silke (GDR) (1964)	time	6.28	11.25	16.46	22.09	22.09	4 / 5			
reaction time	0.186	interval	4.97	5.21	5.63		# of strides	11.25	10.84	0.41
		velocity	7.96	10.06	9.60	8.88	103.0	8.89	9.23	
Torrence, Gwen (USA) (1965)	time	6.33	11.38	16.56	22.17	22.17	8 / 6			
reaction time	0.187	interval	5.05	5.18	5.61		# of strides	11.38	10.79	0.59
		velocity	7.90	9.90	9.65	8.91	102.3	8.79	9.27	
Azarashvili, Maya (URS) (1964)	time	6.34	11.41	16.68	22.33	22.33	2 / 7			
reaction time	0.170	interval	5.07	5.27	5.65		# of strides	11.41	10.92	0.49
		velocity	7.89	9.86	9.49	8.85	101.0	8.76	9.16	
Malchugina, Galina (URS) (1962)	time	6.41	11.54	16.77	22.42	22.42	7 / 8			
reaction time	0.208	interval	5.13	5.23	5.65	PB	# of strides	11.54	10.88	0.66
		velocity	7.80	9.75	9.56	8.85	98.0	8.67	9.19	

Semi-Final 2

Semi-Final 2		date	29-Sep-88	wind	1.8 m/s	Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Grace (JAM) (1961)	time			6.36	11.37	16.60	22.13	22.13	4 / 1			
	reaction time	0.194	interval		5.01	5.23	5.53	PB	# of strides	11.37	10.76	0.61
			velocity	7.86	9.98	9.56	9.04	9.04		8.80	9.29	
Drechsler, Heike (GDR) (1964)	time			6.23	11.33	16.63	22.27	22.27	5 / 2			
	reaction time	0.147	interval		5.10	5.30	5.64		# of strides	11.33	10.94	0.39
			velocity	8.03	9.80	9.43	8.87	8.98		8.83	9.14	
Torrence, Gwen (USA) (1965)	time			6.58	11.66	16.94	22.53	22.53	6 / 3			
	reaction time	0.264	interval		5.08	5.28	5.59		# of strides	11.66	10.87	0.79
			velocity	7.60	9.84	9.47	8.94	8.88		8.58	9.20	
Malchugina, Galina (URS) (1962)	time			6.37	11.41	16.74	22.55	22.53	7 / 4			
	reaction time	0.200	interval		5.04	5.33	5.81		# of strides	11.41	11.14	0.27
			velocity	7.85	9.92	9.38	8.61	8.88		8.76	8.98	
Georgieva, Nadezhda (BUL) (1961)	time			6.44	11.53	16.93	22.67	22.67	3 / 5			
	reaction time	0.231	interval		5.09	5.40	5.74		# of strides	11.53	11.14	0.39
			velocity	7.76	9.82	9.26	8.71	8.82		8.67	8.98	
Dunn, Paula (GBR) (1964)	time			6.40	11.73	17.30	23.14	23.14	1 / 6			
	reaction time	0.171	interval		5.33	5.57	5.84		# of strides	11.73	11.41	0.32
			velocity	7.81	9.38	8.98	8.56	8.64		8.53	8.76	
Siwek, Agnieszka (POL) (1962)	time			6.57	11.79	17.32	23.20	23.20	8 / 7			
	reaction time	0.317	interval		5.22	5.53	5.88		# of strides	11.79	11.41	0.38
			velocity	7.61	9.58	9.04	8.50	8.62		8.48	8.76	
Anliker-Aebi, Regula (SUI) (1964)	time			6.55	11.81	17.45	23.33	23.33	2 / 8			
	reaction time	0.199	interval		5.26	5.64	5.88		# of strides	11.81	11.52	0.29
			velocity	7.63	9.51	8.87	8.50	8.57		8.47	8.68	

Semi-Final 1

emi-Final 1		date	29-Sep-88	wind	Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad							
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Griffith-Joyner, Florence (USA)	time			6.33	11.29	16.36	21.56	21.56	5 / 1			
	reaction time	0.156	interval		4.96	5.07	5.20	WR	# of strides	11.29	10.27	1.02
			velocity	7.90	10.08	9.86	9.62	9.28	91.5	8.86	9.74	
Ottey, Merlene (JAM) (1960)	time			6.36	11.42	16.63	22.07	22.07	3 / 2			
	reaction time	0.176	interval		5.06	5.21	5.44		# of strides	11.42	10.65	0.77
			velocity	7.86	9.88	9.60	9.19	9.06	91.2	8.76	9.39	
Möller, Silke (GDR) (1964)	time			6.34	11.33	16.54	22.15	22.15	7 / 3			
	reaction time	0.205	interval		4.99	5.21	5.61		# of strides	11.33	10.82	0.51

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

	velocity	7.89	10.02	9.60	8.91	9.03	102.5	8.83	9.24	
Azarashvili, Maya (URS) (1964)	time	6.30	11.37	16.65	22.33	22.33	6 / 4			
	reaction time	0.168	interval	5.07	5.28	5.68	# of strides	11.37	10.96	0.41
	velocity	7.94	9.86	9.47	8.80	8.96	101.0	8.80	9.12	
Onyali, Mary (NGR) (1968)	time	6.39	11.53	16.83	22.43	22.43	2 / 5			
	reaction time	0.213	interval	5.14	5.30	PB	# of strides	11.53	10.90	0.63
	velocity	7.82	9.73	9.43	8.93	8.92	93.0	8.67	9.17	
Krabbe, Katrin (GDR) (1969)	time	6.33	11.51	16.89	22.59	22.59	4 / 6			
	reaction time	0.194	interval	5.18	5.38	5.70	# of strides	11.51	11.08	0.43
	velocity	7.90	9.65	9.29	8.77	8.85	92.7	8.69	9.03	
Davis-Thompson, Pauline (BAH)	time	6.61	11.77	17.10	22.67	22.67	8 / 7			
	reaction time	0.320	interval	5.16	5.33	5.57	# of strides	11.77	10.90	0.87
	velocity	7.56	9.69	9.38	8.98	8.82		8.50	9.17	
Thomas, Andrea (FRG) (1963)	time	6.39	11.61	17.10	22.91	22.91	1 / 8			
	reaction time	0.164	interval	5.22	5.49	5.81	# of strides	11.61	11.30	0.31
	velocity	7.82	9.58	9.11	8.61	8.73	95.2	8.61	8.85	

1988 USA Olympic Trials (Indianapolis, IN)

FINAL

	date	23-Jul-88	wind	1.3 m/s							Veney - 200m women from PJ
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Griffith-Joyner, Florence (USA) (1959)			no information available				21.85	/ 1			
Marshall, Pam (USA) (1960)	time		11.43	16.59	21.93	21.93		/ 2			
	reaction time			5.16	5.34	PB	# of strides		11.43	10.50	0.93
	velocity		8.75	9.69	9.36	9.12			8.75	9.52	
Torrence, Gwen (USA) (1965)			no information available			22.02		/ 3			
Brisco, Valerie (USA) (1960)			no information available			22.11		/ 4			
Brown, Alice (USA) (1960)	time		11.39	16.68	22.39	22.39		/ 5			
	reaction time			5.29	5.71	PB	# of strides		11.39	11.00	0.39
	velocity		8.78	9.45	8.76	8.93			8.78	9.09	
Young, Dannette (USA) (1964)			no information available			22.52		/ 6			
Vereen, Wenda (USA) (1966)			no information available			22.93		/ 7			
Williams, Diane (USA) (1960)			no information available			22.95		/ 8			

1987 IAAF World Championships (Rome, ITA)

FINAL

	date	03-Sep-87	wind	1.2 m/s							Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Gladisch-Möller, Silke (GDR) (1959)	time		6.13	11.09	16.18	21.74	21.74	3 / 1			
	reaction time	0.155	interval	4.96	5.09	5.56	CR / PB	# of strides	11.09	10.65	0.44
	velocity		8.16	10.08	9.82	8.99	9.20	101.5	9.02	9.39	
Griffith-Joyner, Florence (USA) (1959)	time		6.14	11.39	16.50	21.96	21.96	5 / 2			
	reaction time	0.141	interval	5.25	5.11	5.46	PB	# of strides	11.39	10.57	0.82
	velocity		8.14	9.52	9.78	9.16	9.11	95.0	8.78	9.46	
Ottey, Merlene (JAM) (1960)	time		6.24	11.35	16.49	22.06	22.06	4 / 3			
	reaction time	0.177	interval	5.11	5.14	5.57	PB	# of strides	11.35	10.71	0.64
	velocity		8.01	9.78	9.73	8.98	9.07	92.0	8.81	9.34	
Marshall, Pam (USA) (1960)	time		6.37	11.57	16.75	22.18	22.18	1 / 4			Veney - 200m women from PJ
	reaction time	0.195	interval	5.20	5.18	5.43		# of strides	11.57	10.61	0.96
	velocity		7.85	9.62	9.65	9.21	9.02	90.5	8.64	9.43	
Torrence, Gwen (USA) (1965)	time			11.69	16.92	22.40	22.40	8 / 5			Veney - 200m women from PJ
	reaction time				5.23	5.48	PB	# of strides	11.69	10.71	0.98
	velocity			8.55	9.56	9.12	8.93		8.55	9.34	

Onyali, Mary (NGR) (1968)	time	11.67	16.90	22.52	22.52	6 / 6	Veney - 200m women from PJ		
	reaction time	interval	5.23	5.62	PB	# of strides	11.67	10.85	0.82
	velocity	8.57	9.56	8.90	8.88		8.57	9.22	
Kasprzyk, Ewa (POL) (1957)	time	11.68	16.92	22.52	22.52	2 / 7	Veney - 200m women from PJ		
	reaction time	interval	5.24	5.60		# of strides	11.68	10.84	0.84
	velocity	8.56	9.54	8.93	8.88	101.2	8.56	9.23	
Georgieva, Nadezhda (BUL) (1957)	time	11.68	16.91	22.55	22.55	7 / 8	Veney - 200m women from PJ		
	reaction time	interval	5.23	5.64		# of strides	11.68	10.87	0.81
	velocity	8.56	9.56	8.87	8.87		8.56	9.20	

Semi-Final 2

date 03-Sep-87 wind -1.9 m/s Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Griffith-Joyner, Florence (USA) (1960)	time	6.39	11.42	16.77	22.38	22.38	5 / 1			
	reaction time	0.208	interval	5.03	5.35	5.61	# of strides	11.42	10.96	0.46
	velocity	7.82	9.94	9.35	8.91	8.94	95.5	8.76	9.12	

Semi-Final 1

date 03-Sep-87 wind -1.0 m/s Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ottey, Merlene (JAM) (1960)	time	6.43	11.60	16.84	22.43	22.43	7 / 1			
	reaction time	0.277	interval	5.17	5.24	5.59	# of strides	11.60	10.83	0.77
	velocity	7.78	9.67	9.54	8.94	8.92	92.2	8.62	9.23	
Gladisch-Möller, Silke (GDR) (1957)	time	6.37	11.40	16.73	22.54	22.54	6 / 2			
	reaction time	0.263	interval	5.03	5.33	5.81	# of strides	11.40	11.14	0.26
	velocity	7.85	9.94	9.38	8.61	8.87	99.0	8.77	8.98	

Heat 4

date 01-Sep-87 wind -0.6 m/s Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Griffith-Joyner, Florence (USA) (1960)	time	6.37	11.49	16.84	22.56	22.56	4 / 1			
	reaction time	0.229	interval	5.12	5.35	5.72	# of strides	11.49	11.07	0.42
	velocity	7.85	9.77	9.35	8.74	8.87	95.0	8.70	9.03	
Ottey, Merlene (JAM) (1960)	time	6.46	11.78	17.28	23.19	23.19	5 / 3			
	reaction time	0.170	interval	5.32	5.50	5.91	# of strides	11.78	11.41	0.37
	velocity	7.74	9.40	9.09	8.46	8.62	90.5	8.49	8.76	

Heat 1

date 01-Sep-87 wind -3.4 m/s Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Gladisch-Möller, Silke (GDR) (1957)	time	6.38	11.42	16.59	22.44	22.44	8 / 1			
	reaction time	0.280	interval	5.04	5.17	5.85	# of strides	11.42	11.02	0.40
	velocity	7.84	9.92	9.67	8.55	8.91		8.76	9.07	

1986 European Championships (Stuttgart, FRG)**FINAL**

date 29-Aug-86 wind -0.8 m/s Veney - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Drechsler, Heike (GDR) (1964)	time		11.00	16.14	21.71	21.71	4 / 1			
	reaction time	0.190	interval	5.14	5.57	AR	# of strides	11.00	10.71	0.29
	velocity		9.09	9.73	8.98	9.21		9.09	9.34	
Cazier, Marie-Christine (FRA) (1957)	time		11.36		22.32	22.32	3 / 2			
	reaction time	0.196	interval		10.96	PB	# of strides	11.36	10.96	0.40
	velocity		8.80		9.12	8.96		8.80	9.12	
Gladisch-Möller, Silke (GDR) (1957)	time		11.26		22.49	22.64	6 / 3			
	reaction time	0.233	interval		11.23		# of strides	11.26	11.23	0.03
	velocity		8.88		8.90	8.83		8.88	8.90	
Molokova, Marina (URS) (1962)	time		11.45		22.71	22.71	8 / 4			
	reaction time	0.281	interval		11.26		# of strides	11.45	11.26	0.19
	velocity		8.73		8.88	8.81		8.73	8.88	
Kasprzyk, Ewa (POL) (1957)	time		11.43		22.73	22.73	5 / 5			
	reaction time	0.224	interval		11.30		# of strides	11.43	11.30	0.13

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

	velocity	8.75	8.85	8.80		8.75	8.85	
Bochina, Natalya (URS) (1962)	time	11.68	22.87	22.87	7 / 6			
reaction time	0.242 interval		11.19		# of strides	11.68	11.19	0.49
	velocity	8.56	8.94	8.75		8.56	8.94	
Günther-Reiger, Sabine (GDR)	time	11.63	22.98	22.98	1 / 7			
reaction time	0.163 interval		11.35		# of strides	11.63	11.35	0.28
	velocity	8.60	8.81	8.70		8.60	8.81	
Zhirova, Marina (URS) (1963)	time	11.66	23.18	23.18	2 / 8			
reaction time	0.199 interval		11.52		# of strides	11.66	11.52	0.14
	velocity	8.58	8.68	8.63		8.58	8.68	

1986 IAAF World Junor Championships (Athens, GRE)**FINAL**

INAL	date	19-Jul-86	wind	0.6 m/s	Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ogunkoya, Falilat (NGR) (1968)	time			11.68	17.25	23.11	23.11	/ 1			
	reaction time	interval			5.57	5.86	CR	# of strides	11.68	11.43	0.25
	velocity		8.56	8.98	8.53	8.65			8.56	8.75	
Onyali, Mary (NGR) (1968)	time			11.82	17.17	23.30	23.30	/ 2			
	reaction time	interval			5.35	6.13		# of strides	11.82	11.48	0.34
	velocity		8.46	9.35	8.16	8.58			8.46	8.71	
Krabbe, Katrin (GDR) (1969)	time			11.56	17.27	23.31	23.31	/ 3			
	reaction time	interval			5.71	6.04		# of strides	11.56	11.75	-0.19
	velocity		8.65	8.76	8.28	8.58			8.65	8.51	
Guidry, Carlette (USA) (1968)			no information available				23.46	/ 4			
Kovaloyova, Oksana (URS)			no information available				23.60	/ 5			
Cordes, Ina (FRG) (1968)			no information available				23.65	/ 6			
Leroy, Muriel (FRA) (1968)			no information available				23.69	/ 7			

1985 IAAF World Cup (Canberra, AUS)**FINAL**

	date	04-Oct-85	wind	-0.7 m/s	Veney - 200m women from PJ						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Koch, Marita (GDR) (1957)	time		11.23	16.41	21.90	21.90	2 / 1				
reaction time	interval			5.18	5.49		# of strides	11.23	10.67	0.56	
	velocity		8.90	9.65	9.11	9.13		8.90	9.37		
Jackson, Grace (JAM) (1961)	time		11.56		22.61	22.61	5 / 2				
reaction time	interval				11.05		# of strides	11.56	11.05	0.51	
	velocity		8.65		9.05	8.85		8.65	9.05		
Zhirova, Marina (URS) (1963)	time		11.5		22.67	22.67	8 / 3				
reaction time	interval				11.17		# of strides	11.50	11.17	0.33	
	velocity		8.70		8.95	8.82		8.70	8.95		
Kasprzyk, Ewa (POL) (1957)	time		11.7		23.05	23.05	6 / 4				
reaction time	interval				11.35		# of strides	11.70	11.35	0.35	
	velocity		8.55		8.81	8.68		8.55	8.81		
Marshall, Pam (USA) (1960)	time		12.0		23.15	23.15	7 / 5				
reaction time	interval				11.15		# of strides	12.00	11.15	0.85	
	velocity		8.33		8.97	8.64		8.33	8.97		
Chapman, Maree (AUS) (1963)	time		12.0		23.71	23.71	4 / 6				
reaction time	interval				11.71		# of strides	12.00	11.71	0.29	
	velocity		8.33		8.54	8.44		8.33	8.54		
Uba, Rufina (NGR) (1959)	time		12.2		24.03	24.03	2 / 7				
reaction time	interval				11.83		# of strides	12.20	11.83	0.37	
	velocity		8.20		8.45	8.32		8.20	8.45		

Rao, Vandana (IND) (1963)	time	12.5	24.38	24.38	3 / 8			
reaction time	interval		11.88		# of strides	12.50	11.88	0.62
	velocity	8.00	8.42	8.20		8.00	8.42	

1984 Olympic Games (Los Angeles, CA)

FINAL

	date	09-Aug-84	wind	0.1 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Brisco-Hooks, Valerie (USA) (19time				11.20		21.81	21.81	7 / 1				
reaction time	0.200	interval				10.61	OR / PB	# of strides	11.20	10.61	0.59	
		velocity		8.93		9.43	9.17	96.0	8.93	9.43		
Griffith, Florence (USA) (1959)	time			11.17		22.04	22.04	4 / 2				
reaction time	0.185	interval				10.87	PB	# of strides	11.17	10.87	0.30	
		velocity		8.95		9.20	9.07	93.0	8.95	9.20		
Ottey, Merlene (JAM) (1960)	time			11.26		22.09	22.09	2 / 3				
reaction time	0.193	interval				10.83	PB	# of strides	11.26	10.83	0.43	
		velocity		8.88		9.23	9.05	92.0	8.88	9.23		
Smallwood-Cook, Kathy (GBR)	time			11.37		22.10	22.10	3 / 4				
reaction time	0.142	interval				10.73	NR	# of strides	11.37	10.73	0.64	
		velocity		8.80		9.32	9.05	90.0	8.80	9.32		
Jackson, Grace (JAM) (1961)	time			11.44		22.18	22.20	8 / 5				
reaction time	0.243	interval				10.74	PB	# of strides	11.44	10.74	0.70	
		velocity		8.74		9.31	9.01		8.74	9.31		
Givens, Randy (USA) (1962)	time			11.51		22.36	22.36	5 / 6				
reaction time	0.184	interval				10.85		# of strides	11.51	10.85	0.66	
		velocity		8.69		9.22	8.94	98.0	8.69	9.22		
Bacoul, Rose-Aimée (FRA) (195time				11.48		22.78	22.78	6 / 7				
reaction time	0.256	interval				11.30		# of strides	11.48	11.30	0.18	
		velocity		8.71		8.85	8.78		8.71	8.85		
Gaschet, Liliane (FRA) (1962)	time			11.67		22.86	22.86	1 / 8				
reaction time	0.192	interval				11.19		# of strides	11.67	11.19	0.48	
		velocity		8.57		8.94	8.75		8.57	8.94		

1984 Olympischen Tag (Potsdam, GDR)

FINAL

	date	21-Jul-84	wind	0.3 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Koch, Marita (GDR) (1957)	time			11.06		21.71	21.71	/ 1				
reaction time		interval				10.65	WR	# of strides	11.06	10.65	0.41	
		velocity		9.04		9.39	9.21		9.04	9.39		
Wöckel, Bärbel (GDR) (1955)	time			11.27		21.85	21.85	/ 2				
reaction time		interval				10.58	PB	# of strides	11.27	10.58	0.69	
		velocity		8.87		9.45	9.15		8.87	9.45		

1984 East German National Championships (Erfurt, GDR)

FINAL

	date	03-Jun-84	wind	0.4 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Göhr, Marlies (GDR) (1958)	time			11.18		21.74	21.74	/ 1				
reaction time		interval				10.56	PB	# of strides	11.18	10.56	0.62	
		velocity		8.94		9.47	9.20		8.94	9.47		

1983 IAAF World Championships (Helsinki, FIN)

FINAL

	date	14-Aug-83	wind	1.5 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Koch, Marita (GDR) (1957)	time			11.28	16.53	22.13	22.13	6 / 1				
reaction time	0.225	interval			5.25	5.60	CR	# of strides	11.28	10.85	0.43	
		velocity		8.87	9.52	8.93	9.04	99.0	8.87	9.22		
Ottey, Merlene (JAM) (1960)	time			11.42	16.64	22.19	22.19	7 / 2				

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

reaction time	0.165	interval	5.22	5.55	# of strides	11.42	10.77	0.65
		velocity	8.76	9.58	9.01	93.5	8.76	9.29
Smallwood-Cook, Kathy (GBR)	time	11.55	16.78	22.37	22.37	3 / 3		
	reaction time	0.213	interval	5.23	5.59	# of strides	11.55	10.82
			velocity	8.66	9.56	9.94	8.66	9.24
Griffith, Florence (USA) (1959)	time	11.56	16.80	22.46	22.46	1 / 4		
	reaction time	0.161	interval	5.24	5.66	# of strides	11.56	10.90
			velocity	8.65	9.54	8.83	8.65	9.17
Jackson, Grace (JAM) (1961)	time	11.67	16.97	22.63	22.63	8 / 5		
	reaction time	0.164	interval	5.30	5.66	PB	# of strides	11.67
			velocity	8.57	9.43	8.83	8.57	9.12
Nuneva, Anelia (BUL) (1962)	time	11.58	16.94	22.68	22.68	5 / 6		
	reaction time	0.201	interval	5.36	5.74	PB	# of strides	11.58
			velocity	8.64	9.33	8.71	8.64	9.01
Bailey, Angela (CAN) (1962)	time	11.66	17.09	22.93	22.93	2 / 7		
	reaction time	0.237	interval	5.43	5.84	# of strides	11.66	11.27
			velocity	8.58	9.21	8.56	8.58	8.87
Kasprzyk, Ewa (POL) (1957)	time	11.71	17.14	23.03	23.03	4 / 8		
	reaction time	0.202	interval	5.43	5.89	# of strides	11.71	11.32
			velocity	8.54	9.21	8.49	8.54	8.83

1982 European Championships (Athens, GRE)**FINAL**

date	09-Sep-82	wind	0.9 m/s	Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen					
				50m	100m	150m	200m	Official Time	Lane / Place
Wöckel, Bärbel (GDR) (1955)				no information available				22.04	/ 1
Smallwood, Kathy (GBR) (1960)	time			11.44			22.13	22.13	/ 2
	reaction time		interval				10.69	NUR	# of strides
			velocity	8.74			9.35	9.04	

1982 GDR vs. USA (Karl-Marx-Stadt, GDR)**FINAL**

date	09-Sep-82	wind	0.9 m/s	Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen					
				50m	100m	150m	200m	Official Time	Lane / Place
???				no information available				???	/ 1
Walther, Gesine (GDR) (1962)	time			11.27			22.24	22.24	/ 2
	reaction time		interval				10.97	PB	# of strides
			velocity	8.87			9.12	8.99	

1981 IAAF World Cup (Rome, ITA)**FINAL**

date	04-Sep-81	wind	0.7 m/s	Veney - 200m women from PJ					
				50m	100m	150m	200m	Official Time	Lane / Place
Ashford, Evelyn (USA) (1957)	time			11.10			22.18	22.18	/ 1
	reaction time		interval				11.08		# of strides
			velocity	9.01			9.03	9.02	
Kratochvilova, Jarmila (TCH) (1951)				no information available				22.93	/ 2
Wöckel, Bärbel (GDR) (1955)				no information available				23.03	/ 3
Taylor, Angella (CAN) (1958)				no information available				22.93	/ 4
Bochina, Natalya (URS) (1962)				no information available				23.03	/ 5
Masullo, Marisa (ITA) (1959)				no information available				22.93	/ 6
Edwards, Helen (AUS) (1958)				no information available				23.03	/ 7
Afriyie, Hannah (GHA) (1951)				no information available				22.93	/ 8
Koniski, Emiko (JPN)				no information available				23.03	/ 9

1980 Olympic Games (Moscow, URS)**FINAL**

date	30-Jul-80	wind	1.4 m/s	Veney - 200m women from PJ					
				50m	100m	150m	200m	Official Time	Lane / Place
Eckert-Wöckel, Bärbel (GDR) (1)	time			11.46	16.59	22.03	22.03	22.03	1 / 1

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

reaction time	0.140	interval	5.13	5.44	OR	# of strides	11.46	10.57	0.89
velocity			8.73	9.75	9.19	101.5	8.73	9.46	
Bochina, Natalya (URS) (1962)	time		11.43	16.70	22.19	22.19	6 / 2		
reaction time	0.166	interval		5.27	5.49	AJR	# of strides	11.43	10.76
velocity			8.75	9.49	9.11	9.01	95.2	8.75	9.29
Ottey, Merlene (JAM) (1960)	time		11.51	16.71	22.20	22.20	3 / 3		
reaction time	0.157	interval		5.20	5.49	PB	# of strides	11.51	10.69
velocity			8.69	9.62	9.11	9.01	89.7	8.69	9.35
Müller, Romy (GDR) (1958)	time		11.59	16.90	22.47	22.47	8 / 4		
reaction time	0.128	interval		5.31	5.57	PB	# of strides	11.59	10.88
velocity			8.63	9.42	8.98	8.90		8.63	9.19
Smallwood, Kathy (GBR) (1960)	time		11.79	17.06	22.61	22.61	7 / 5		
reaction time	0.176	interval		5.27	5.55		# of strides	11.79	10.82
velocity			8.48	9.49	9.01	8.85		8.48	9.24
Callender, Beverley (GBR) (1956)	time		11.82	17.08	22.72	22.72	5 / 6		
reaction time	0.171	interval		5.26	5.64	PB	# of strides	11.82	10.90
velocity			8.46	9.51	8.87	8.80		8.46	9.17
Boyd, Denise (AUS) (1952)	time		11.66	17.05	22.76	22.76	4 / 7		
reaction time	0.144	interval		5.39	5.71		# of strides	11.66	11.10
velocity			8.58	9.28	8.76	8.79		8.58	9.01
Lannaman, Sonia (GBR) (1956)	time		11.81	17.16	22.80	22.80	2 / 8		
reaction time	0.154	interval		5.35	5.64		# of strides	11.81	10.99
velocity			8.47	9.35	8.87	8.77		8.47	9.10

1979 World Cup (Montreal, CAN)

FINAL

date		24-Aug-79		wind		-0.2 m/s		Tabatshnik (1986) - sprinting - versatility or specialization?		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Ashford, Evelyn (USA) (1957)		no information available				21.83	/ 1			
Koch, Marita (GDR) (1957)		no information available				23.23	/ 2			
Kondratyeva, Lyudmila (URS) (1957)	time		11.56	16.88	22.66	22.66	/ 3			
	reaction time			5.32	5.78		# of strides	11.56	11.10	0.46
	velocity		8.65	8.89	8.65	8.83		8.65	9.01	
Richter, Annegret (FRG) (1950)		no information available				22.78	/ 4			
Taylor, Angella (CAN) (1958)		no information available				22.83	/ 5			
Afriyie, Hannah (GHA) (1951)		no information available				23.61	/ 6			
Robertson, Kim (NZL) (1957)		no information available				23.78	/ 7			
Kalhara, Sumiko (JPN)		no information available				24.60	/ 8			

1979 East German Club Cup (Karl-Marx-Stadt, GDR)

FINAL

INAL	date	27-May-79	wind	2.6 m/s	Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Koch, Marita (GDR) (1957)	time			11.24		21.85	21.85	/ 1			
reaction time	interval					10.61		# of strides	11.24	10.61	0.63
	velocity			8.90		9.43	9.15		8.90	9.43	

1978 European Championships (Prague, TCH)

FINAL

INAL	date	01-Sep-78	wind	-0.2 m/s	Lamare (1978) - championnats d'Europa 1978						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Kondratyeva, Lyudmila (URS) (1957)	0.154					CR / NR	22.52	7 / 1		# of strides	101.7
Göhr, Marlies (GDR) (1958)	time			11.49		22.53	22.53	3 / 2			
	reaction time	0.208	interval			11.04		# of strides	11.49	11.04	0.45
	velocity			8.70		9.06	8.88	109.5	8.70	9.06	
Bodendorf, Carla (GDR) (1953)			no information available				22.64	5 / 3		# of strides	105.5
Hamann, Monika (GDR) (1954)			no information available				22.76	4 / 4		# of strides	104.0

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

Rega, Chantal (FRA) (1955)	no information available	22.77	8 / 5	# of strides	102.5
Maslakova, Ludmilla (URS) (1952)	no information available	22.89	6 / 6	# of strides	96.7
Haglund, Linda (SWE) (1956)	no information available	23.07	2 / 7	# of strides	98.7
Ivanova, Lilyana (BUL) (1956)	no information available	23.23	1 / 8	# of strides	99.5

1976 Olympic Games (Montreal, CAN)

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

FINAL

date 28-Jul-76

wind 0.0 m/s

Breizer (1984) - sprint competition analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Eckert-Wöckel, Bärbel (GDR) (1	time	11.32	16.82	22.37	22.37	22.37	2 / 1			Breizer (1984)
	reaction time			5.50	5.55	OR	# of strides	11.32	11.05	0.27
	velocity	8.83	9.09	9.01	8.94			8.83	9.05	
Richter, Annegret (FRG) (1956)	time	11.2		22.4	22.39	22.39	5 / 2			Butler (2016)
	reaction time			11.20			# of strides	11.20	11.20	0.00
	velocity	8.93		8.93	8.93			8.93	8.93	
Stecher, Renate (GDR) (1950)	time	11.37	17.01	22.47	22.47	22.47	8 / 3			Breizer (1984)
	reaction time		5.64	5.46			# of strides	11.37	11.10	0.27
	velocity	8.80	8.87	9.16	8.90			8.80	9.01	
Bodendorf, Carla (GDR) (1953)	time	11.39	16.90	22.64	22.64	22.64	4 / 4			Breizer (1984)
	reaction time		5.51	5.74			# of strides	11.39	11.25	0.14
	velocity	8.78	9.07	8.71	8.83			8.78	8.89	
Helten, Inge (FRG) (1950)	time	11.45	17.02	22.68	22.68	22.68	7 / 5			Breizer (1984)
	reaction time		5.57	5.66			# of strides	11.45	11.23	0.22
	velocity	8.73	8.98	8.83	8.82			8.73	8.90	
Prorochenko, Tatyana (URS) (1	time	11.5		23.0	23.03	23.03	1 / 6			Butler (2016)
	reaction time			11.50			# of strides	11.50	11.50	0.00
	velocity	8.70		8.70	8.68			8.70	8.70	
Robertson, Denise (AUS) (1952)	time	11.5		23.1	23.05	23.05	3 / 7			Butler (2016)
	reaction time			11.60			# of strides	11.50	11.60	-0.10
	velocity	8.70		8.62	8.68			8.70	8.62	
Rega, Chantal (FRA) (1952)	time	11.5		23.1	23.09	23.09	6 / 8			Butler (2016)
	reaction time			11.60			# of strides	11.50	11.60	-0.10
	velocity	8.70		8.62	8.66			8.70	8.62	

Breizer (1984) - sprint competition analysis

Semi-Final 2

date 28-Jul-76

wind 0.0 m/s

Lamare (1976) - les jeux de la XXI olympia, Montreal 1976

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Eckert-Wöckel, Bärbel (GDR) (1	time	11.52		22.71	22.71	22.71	5 / 1			Lamare (1976)
	reaction time			11.19			# of strides	11.52	11.19	0.33
	velocity	8.68		8.94	8.81			8.68	8.94	
Robertson, Denise (AUS) (1952)	time	11.43	17.13	22.91	22.91	22.91	7 / 3			Breizer (1984)
	reaction time		5.70	5.78		PB	# of strides	11.43	11.48	-0.05
	velocity	8.75	8.77	8.65	8.73			8.75	8.71	
Réga, Chantal (FRA) (1955)	time	11.60	17.21	23.00	23.00	23.00	5 / 4			Breizer (1984)
	reaction time		5.61	5.79		PB	# of strides	11.60	11.40	0.20
	velocity	8.62	8.91	8.64	8.70			8.62	8.77	

Semi-Final 1

date 28-Jul-76

wind 0.0 m/s

Lamare (1976) - les jeux de la XXI olympia, Montreal 1976

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Stecher, Renate (GDR) (1950)	time	11.50		22.68	22.68	22.68	1 / 1			
	reaction time			11.18			# of strides	11.50	11.18	0.32
	velocity	8.70		8.94	8.82			8.70	8.94	

1976 USA Olympic Trials (Eugene, OR)**FINAL**

date 24-Jun-76

wind 2.3 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Morehead, Brenda (USA) (1957)	time	11.4		22.5	22.49	22.49	1 / 1			
	reaction time			11.1			# of strides	11.40	11.10	0.30

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

	velocity	8.77	9.01	8.89		8.77	9.01	
Cheeseborough, Chandra (USA)	time	11.5	22.6	22.64	/ 2			
reaction time	interval		11.1		# of strides	11.50	11.10	0.40
	velocity	8.70	9.01	8.83		8.70	9.01	
Edwards, Debra (USA) (1954)	time	11.8	22.8	22.74	/ 3			
reaction time	interval		11.0		# of strides	11.80	11.00	0.80
	velocity	8.47	9.09	8.80		8.47	9.09	
Jiles, Pam (USA) (1955)	no information available			23.16	/ 4			
Greene, Pam (USA)	no information available			23.33	/ 5			
Hancock, Freida (USA)	no information available			23.44	/ 6			
Cordy, Linda (USA)	no information available			23.51	/ 7			
Day, Beverly (USA)	no information available			23.54	/ 8			

1973 East German Spitzenklasse (Dresden, GDR)**FINAL**

	date	21-Jul-73	wind	1.6 m/s	Breizer (1984) - sprint competition analysis					
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Stecher, Renate (GDR) (1950)	time		11.32	16.86	22.38	22.38				
reaction time	interval			5.54	5.52	WR	# of strides	11.32	11.06	0.26
	velocity		8.83	9.03	9.06	8.94		8.83	9.04	

1972 Olympic Games (Munich, FRG)**FINAL**

	date	09-Jul-72	wind	1.1 m/s	<i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>					
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Stecher, Renate (GDR) (1950)	time	11.28	16.54	22.40	22.40		6 / 1			
reaction time	interval		5.26	5.86	=WR	# of strides	11.28	11.12	0.16	
	velocity	8.87	9.51	8.53	8.93		105.0	8.87	8.99	
Boyle, Raelene (AUS) (1951)	time	11.48	16.72	22.45	22.45		4 / 2			
reaction time	interval		5.24	5.73		# of strides	11.48	10.97	0.51	
	velocity	8.71	9.54	8.73	8.91		105.0	8.71	9.12	
Szewinska, Irena (POL) (1946)	time	11.66	17.02	22.74	22.74		5 / 3			
reaction time	interval		5.36	5.72		# of strides	11.66	11.08	0.58	
	velocity	8.58	9.33	8.74	8.80		89.2	8.58	9.03	
Streidt, Ellen (GDR) (1952)	time	11.64	17.04	22.75	22.75		3 / 4			
reaction time	interval		5.40	5.71		# of strides	11.64	11.11	0.53	
	velocity	8.59	9.26	8.76	8.79		102.2	8.59	9.00	
Heinich, Christina (GDR) (1952)	time	11.73	17.08	22.89	22.89		7 / 5			
reaction time	interval		5.35	5.81		# of strides	11.73	11.16	0.57	
	velocity	8.53	9.35	8.61	8.74		100.0	8.53	8.96	
Kroniger, Annegret (FRG) (1952)	time	11.67	17.10	22.89	22.89		1 / 5			
reaction time	interval		5.43	5.79		# of strides	11.67	11.22	0.45	
	velocity	8.57	9.21	8.64	8.74		95.5	8.57	8.91	
Annum, Alice (GHA) (1948)	time	11.54	17.00	22.99	22.99		8 / 7			
reaction time	interval		5.46	5.99		# of strides	11.54	11.45	0.09	
	velocity	8.67	9.16	8.35	8.70		102.2	8.67	8.73	
Allwood, Rose (JAM) (1952)	time	11.61	17.14	23.11	23.11		2 / 8			
reaction time	interval		5.53	5.97		# of strides	11.61	11.50	0.11	
	velocity	8.61	9.04	8.38	8.65		92.2	8.61	8.70	

1969 European Championships (Athens, GRE)**Heat 2**

	date	18-Sep-69	wind	-2.0 m/s	<i>(1964) - einschätzung der einzelnen leichtathletischen disziplinen</i>					
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Samotyosova, Lyudmila (URS)	time	11.90			24.3	24.2	/ 2			
reaction time	interval				12.40		# of strides	11.90	12.40	-0.50
	velocity	8.40			8.06	8.26		8.40	8.06	

1968 Olympic Games (Mexico City, MEX) (Altitude)**FINAL**

date 18-Oct-68 wind 2.0 m/s

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Szewinska, Irena (POL) (1946)	no information available			WR	22.5	7 / 1	(22.58)	# of strides	99.5
Boyle, Raelene (AUS) (1951)	no information available				22.7	6 / 2	(22.74)	# of strides	103.5
Lamy, Jennifer (AUS) (1949)	no information available				22.8	5 / 3	(22.88)	# of strides	100.0
Ferrell, Barbara (USA) (1947)	no information available				22.9	1 / 4	(22.93)		
Montandon, Nicole (FRA) (1948)	no information available				23.0	4 / 5	(23.08)		
Tyus, Wyomia (USA) (1945)	no information available				23.0	3 / 6	(23.08)		
Bailes, Margaret (USA) (1951)	no information available				23.1	2 / 7	(23.18)		
Stöck, Jutta (FRG) (1941)	no information available				23.2	8 / 8	(23.25)		

1964 Olympic Games (Tokyo, JPN)**FINAL**

date 19-Oct-64 wind 0.8 m/s

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
McGuire, Edith (USA) (1944)	no information available			OR	23.0	2 / 1	(23.05)		
Kirszenstein, Irena (POL) (1946)	no information available				23.1	4 / 2	(23.13)		
Black, Marilyn (AUS) (1944)	no information available				23.1	8 / 3	(23.18)		
Morris, Una (JAM) (1947)	no information available				23.5	1 / 4	(23.58)		
Samotysova, Lyudmila (URS) (1939)	no information available				23.5	6 / 5	(23.59)		
Sobotta, Barbara (POL) (1936)	no information available				23.9	3 / 6	(23.97)		
Simpson, Janet (GBR) (1944)	no information available				23.9	5 / 7	(23.98)		
Arden, Daphne (GBR) (1941)	no information available				24.0	7 / 8	(24.01)		

1963 International Sportweek (Tokyo, JPN)**FINAL**

date 13-Oct-63

wind ???

(1964) - einschätzung der einzelnen leichtathletischen disziplinen

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Popkova, Vera (URS) (1943)	time	12.0		24.3	24.30	/ 2			
reaction time	interval			12.3		# of strides	12.00	12.30	-0.30
velocity		8.33		8.13	8.23		8.33	8.13	

1960 Olympic Games (Rome, ITA)**FINAL**

date 05-Sep-60 wind against

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Rudolph, Wilma (USA) (1940)	no information available				24.0	1 / 1	(24.13)	# of strides	95.2
Heine, Jutta (EUA/FRG) (1940)	no information available				24.4	5 / 2	(24.58)		
Hyman, Dorthy (GBR) (1941)	no information available				24.7	4 / 3	(24.82)		
Itkina, Mariya (URS) (1932)	no information available				24.7	3 / 4	(24.85)		
Janiszewska, Barbara (POL) (1936)	no information available				24.8	6 / 5	(24.96)		
Leone, Guiseppina (ITA) (1934)	no information available				24.9	2 / 6	(25.01)		

1956 Olympic Games (Melbourne, AUS)**FINAL**

date 30-Nov-56 wind legal

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Cuthbert, Betty (AUS) (1938)	no information available			=OR	23.4	5 / 1	(23.55)	# of strides	98.2
Stubnick, Christa (EUA/GDR) (1933)	no information available				23.7	6 / 2	(23.89)	# of strides	103.0
Mathews, Marlene (AUS) (1934)	no information available				23.8	1 / 3	(24.10)	# of strides	105.0
Crocker, Norma (AUS) (1934)	no information available				24.0	4 / 4	(24.22)	# of strides	97.0
Paul, June (GBR) (1934)	no information available				24.3	2 / 5	(24.30)	# of strides	104.0
Köhler, Gisela (GDR) (1931)	no information available				24.3	3 / 6	(24.68)	# of strides	104.7

1952 Olympic Games (Helsinki, FIN)**FINAL**

date 26-Jul-52 wind legal

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Jackson, Marjorie (AUS) (1931)	no information available				23.7	2 / 1	(23.89)		
Brouwer, Bertha (NED) (1930)	no information available				24.2	3 / 2	(24.25)		
Khnykina, Nadezhda (URS) (1933)	no information available				24.2	6 / 3	(24.37)		
Cripps, Winsome (AUS) (1931)	no information available				24.2	5 / 4	(24.40)		
Klein, Helga (FRG) (1931)	no information available				24.6	7 / 5	(24.72)		
Hasenjager, Daphne (RSA) (1929)	no information available				24.6	4 / 6	(24.72)		

1948 Olympic Games (London, GBR)**FINAL**

date 06-Aug-48 wind 0.0 m/s

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

Blankers-Koen, Fanny (NED) (1918)	no information available	24.4	2 / 1
Williamson, Audrey (GBR) (1926)	no information available	25.1	5 / 2
Patterson, Audrey (USA) (1926)	no information available	25.2	6 / 3
Strickland, Shirley (AUS) (1925)	no information available	25.2e	3 / 4
Walker, Margaret (GBR) (1925)	no information available	25.4e	4 / 5
Robb, Daphne (RSA) (1929)	no information available	25.5e	7 / 6

of strides 98.5

