

## Women's 200m Split Times - by athletics meeting

LAST UPDATE: 15-Sep-24

## 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
<b>Brown, Brittany (USA) (1995)</b>	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
<b>Neita, Daryll (GBR) (1996)</b>	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
<b>Battle, Anavia (USA) (1999)</b>	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
<b>Ta Lou-Smith, Marie-Josée (CIV)</b>	time			6.35	11.49	16.85	22.81	22.81	4 / <del>4</del>			
	reaction time	0.166	interval		5.14	5.36	5.96	<b>DQ</b>	# of strides	11.49	11.32	0.17
			velocity		7.87	9.73	9.33	8.39	8.77	97.0	8.70	8.83
<b>Jiya, Tasa (NED) (1997)</b>	time			6.53	11.75	17.22	22.95	22.95	3 / <del>5</del> 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	8.73	8.71	93.0	8.51	8.93
<b>Clark, Tamara (USA) (1999)</b>	time			6.36	11.54	17.04	23.01	23.01	5 / <del>6</del> 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	8.69	100.0	8.67	8.72
<b>Hunt, Amy (GBR) (2002)</b>	time			6.49	11.64	17.09	23.09	23.09	2 / <del>7</del> 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	8.66	94.2	8.59	8.73
<b>Koné, Maboundou (CIV) (1997)</b>	time			6.53	11.80	17.37	23.33	23.33	1 / <del>8</del> 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	8.57	99.0	8.47	8.67

## Invitational

		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
<b>McLaughlin-Levrone, Sydney (USA)</b>	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
<b>Bass, Gina (GAM) (1995)</b>	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
<b>Nkansa, Delphine (BEL) (2001)</b>	time			6.39	11.62	17.11	23.03	23.03	8 / 3			
	reaction time	0.140	interval		5.23	5.49	5.92	<b>-PB</b>	# 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
<b>Takács, Boglárka (HUN) (2001)</b>	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
<b>Irby-Jackson, Lynna (USA) (1999)</b>	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
<b>Mihalinec Zidar, Maja (SLO) (1999)</b>	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
<b>Rosius, Rani (BEL) (2000)</b>	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

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

velocity	7.69	9.40	8.94	8.13	8.49	98.7	8.46	8.52
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**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
<b>Brown, Brittany (USA) (1995)</b>	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
<b>Battle, Anavia (USA) (1999)</b>	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
<b>Neita, Daryll (GBR) (1996)</b>	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
<b>Gbai, Jessica (CIV) (1998)</b>	time			6.42	11.55	16.90	22.51	22.51	3 / 4			
	reaction time	0.165	interval		5.13	5.35	5.61		# of strides	11.55	10.96	0.59
			velocity		7.79	9.75	9.35	8.91	8.88	92.0	8.66	9.12
<b>Kambundji, Mujinga (SUI) (1992)</b>	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
<b>Prandini, Jenna (USA) (1992)</b>	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
<b>Koné, Maboundou (CIV) (1997)</b>	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
<b>Hunt, Amy (GBR) (2002)</b>	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
<b>Kaddari, Dalia (ITA) (2001)</b>	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
<b>Takács, Boglárka (HUN) (2001)</b>	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
<b>Wessolly, Jessica-Bianca (GER)</b>	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
<b>Jiya, Tasa (NED) (1997)</b>	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
<b>van Hunenstijn, Marije (NED) (1)</b>	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
<b>Pointet, Léonie (SUI) (2001)</b>	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
<b>Atcho-Jaquier, Sarah (SUI) (199)</b>	time			6.50	11.70	17.18	23.26	23.26	8 / 6			

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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	

<b>Agyapong, Finette (GBR) (1997)</b>	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

<b>Hoenke, Favienne (SUI) (2004)</b>	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	
<b>Johnson-Thompson, Katarina (time)</b>		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

<b>Dokter, Sofie (NED) (2002)</b>	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

<b>Lazraq-Khlass, Auriana (FRA) (time)</b>		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

<b>Kälin, Annik (SUI) (2000)</b>	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

<b>Brooks, Taliyah (USA) (1995)</b>	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

<b>Vetter, Anouk (NED) (1993)</b>	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

<b>West, Tori (AUS) (1995)</b>	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	
<b>Gerevini, Sveva (ITA) (1996)</b>	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

<b>Schäfer, Carolin (GER) (1991)</b>	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

<b>Vidts, Noor (BEL) (1996)</b>	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

<b>Hall, Anna (USA) (2001)</b>	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

<b>Oosterwegel, Emma (NED) (1991)</b>	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

<b>Araujo, Martha (COL) (1996)</b>	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

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



	velocity	7.53	9.12	8.61	7.66	8.18	103.0	8.25	8.10	
<b>Hawkins, Chari (USA) (1991)</b>	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	
<b>Newton-Smith, Camryn (AUS) (time</b>	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
<b>Sulek-Schubert, Adrianna (POL)</b>	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	
<b>Thiam, Nafissatou (BEL) (1994)</b>	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
	velocity	7.50	9.03	8.49	7.86	8.18	92.0	8.19	8.16	
<b>Vanninen, Saga (FIN) (2003)</b>	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	
<b>O'Connor, Kate (IRL) (2000)</b>	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	
<b>Krizán, Xénia (HUN) (1993)</b>	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	
<b>O'Dowda, Jade (GBR) (1999)</b>	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	
<b>Nemes, Rita (HUN) (1989)</b>	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
<b>Thomas, Gabrielle (USA) (1996)</b>	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	
<b>Alfred, Julien (LCA) (2001)</b>	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	
<b>Brown, Brittany (USA) (1995)</b>	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	
<b>Asher-Smith, Dina (GBR) (1995)</b>	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	
<b>Neita, Daryll (GBR) (1996)</b>	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	
<b>Ofili, Favour (NGR) (2002)</b>	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	

<b>Long, McKenzie (USA) (2000)</b>	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
<b>Gbai, Jessica (CIV) (1998)</b>	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
<b>Brown, Brittany (USA) (1995)</b>	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
<b>Neita, Daryll (GBR) (1996)</b>	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
<b>Gbai, Jessika (CIV) (1998)</b>	time	6.35	11.42	16.71	22.36	22.36	8 / 3			
reaction time	0.170	interval	5.07	5.29	5.65	<b>PB</b>	# 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
<b>Bass, Gina (GAM) (1995)</b>	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
<b>Thomas, Lanae-Tava (JAM) (2000)</b>	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
<b>Henriksson, Julia (SWE) (2000)</b>	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
<b>Lewis, Torrie (AUS) (2005)</b>	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
<b>Fotopoulou, Olivia (CYP) (1996)</b>	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
<b>Thomas, Gabrielle (USA) (1996)</b>	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
<b>Asher-Smith, Dina (GBR) (1995)</b>	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
<b>Parisot, Helene (FRA) (1992)</b>	time	6.32	11.38	16.76	22.55	22.55	5 / 3			
reaction time	0.177	interval	5.06	5.38	5.79	<b>PB</b>	# 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
<b>Kambundji, Mujinga (SUI) (1992)</b>	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
<b>Burgher, Niesha (JAM) (2002)</b>	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
<b>Jiya, Tasa (NED) (1997)</b>	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

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	9.65	9.16	8.50	8.77	94.0	8.72	8.82	
<b>Madogo, Jacqueline (CAN) (200)</b> 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	
<b>Emmanouilidou, Polyniki (GRE)</b> 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)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Alfred, Julien (LCA) (2001)</b> 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	
<b>Ofil, Favour (NGR) (2002)</b> 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
velocity		8.04	10.06	9.54	8.90	9.07	91.0	8.94	9.21	
<b>Long, McKenzie (USA) (2000)</b> 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	
<b>Williams, Bianca (GBR) (1993)</b> 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	
<b>Koné, Maboundou (CIV) (1997)</b> 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	
<b>Leduc, Audrey (CAN) (1999)</b> 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	
<b>Joseph, Gemima (FRA) (2001)</b> 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	
<b>Hodge, Adaejah (IVB) (2006)</b> 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
<b>Lewis, Torrie (AUS) (2005)</b>	0.156	no information available				23.08	2 / 1		# of strides	95.0
<b>Bestue, Jael (ESP) (2000)</b>	0.145	no information available				23.22	3 / 2		# of strides	103.2
<b>Vervae, Imke (BEL) (1993)</b>	0.154	no information available				23.33	7 / 3		# of strides	101.2
<b>Pointet, Léonie (SUI) (2001)</b>	0.156	no information available				23.37	6 / 4		# of strides	104.5
<b>Lindahl, Nora (SWE) (2004)</b>	0.163	no information available				23.51	4 / 5		# of strides	96.0
<b>Safronova, Olga (KAZ) (1991)</b>	0.189	no information available				23.70	5 / 6		# of strides	95.7

**Repechage 3**

date 05-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
<b>Fotopoulou, Olivia (CYP) (1996)</b> 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	
<b>Tsimanouskaya, Krystsina (POL)</b> 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	
<b>Caicdeo, Nicole (ECU) (2000)</b> 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	

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



<b>Gross, Mia (AUS) (2001)</b>	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
<b>Tamayo-Garza, Cecilia (MEX) (1981)</b>	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

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Koné, Maboundou (CIV) (1997)</b>	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
<b>Takács, Boglárka (HUN) (2001)</b>	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
<b>Li Yuting (CHN) (2002)</b>	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
<b>Kotwila, Martyna (POL) (1999)</b>	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
<b>Suárez, Gabriela Anahí (ECU) (2001)</b>	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
<b>Martins, Lorraine (BRA) (2000)</b>	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
<b>Madogo, Jacqueline (CAN) (2000)</b>	time	6.39	11.48	16.78	22.58	22.58	8 / 1			
reaction time	0.162	interval	5.09	5.30	5.80		# of strides	11.48	11.10	0.38
		velocity	7.82	9.82	9.43	8.62	8.86	94.0	8.71	9.01
<b>Hodge, Adaejah (IVB) (2006)</b>	time	6.40	11.56	17.01	22.94	22.94	7 / 2			
reaction time	0.140	interval	5.16	5.45	5.93		# of strides	11.56	11.38	0.18
		velocity	7.81	9.69	9.17	8.43	8.72	104.0	8.65	8.79
<b>Emmanouílidou, Polyniki (GRE) (2000)</b>	time	6.44	11.62	17.01	22.99	22.99	6 / 3			
reaction time	0.154	interval	5.18	5.39	5.98		# of strides	11.62	11.37	0.25
		velocity	7.76	9.65	9.28	8.36	8.70	105.0	8.61	8.80
<b>Bazolo, Lorène Dorcas (POR) (1981)</b>	time	6.38	11.54	17.03	23.08	23.08	4 / 4			
reaction time	0.149	interval	5.16	5.49	6.05		# of strides	11.54	11.54	0.00
		velocity	7.84	9.69	9.11	8.26	8.67	99.0	8.67	8.67
<b>Nazareno, Aimará (ECU) (2001)</b>	time	6.44	11.76	17.30	23.35	23.35	5 / 5			
reaction time	0.181	interval	5.32	5.54	6.05		# of strides	11.76	11.59	0.17
		velocity	7.76	9.40	9.03	8.26	8.57	96.7	8.50	8.63
<b>Azevedo, Ana Carolina (BRA) (1981)</b>	time	6.45	11.73	17.34	23.44	23.44	2 / 6			
reaction time	0.168	interval	5.28	5.61	6.10		# of strides	11.73	11.71	0.02
		velocity	7.75	9.47	8.91	8.20	8.53	103.0	8.53	8.54
<b>Pereira, Veronica Shanti (SGP) (1981)</b>	time	6.58	11.85	17.41	23.45	23.45	3 / 7			
reaction time	0.183	interval	5.27	5.56	6.04		# of strides	11.85	11.60	0.25
		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)

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ofili, Favour (NGR) (2002)</b>	time	6.26	11.31	16.57	22.24	22.24	2 / 1			
	reaction time	0.154	interval	5.05	5.26	5.67	# of strides	11.31	10.93	0.38
	velocity	7.99	9.90	9.51	8.82	8.99	92.7	8.84	9.15	
<b>Asher-Smith, Dina (GBR) (1995)</b>	time	6.17	11.17	16.49	22.28	22.28	8 / 2			
	reaction time	0.145	interval	5.00	5.32	5.79	# of strides	11.17	11.11	0.06
	velocity	8.10	10.00	9.40	8.64	8.98	95.0	8.95	9.00	
<b>Bass, Gina (GAM) (1995)</b>	time	6.38	11.55	16.98	22.84	22.84	7 / 3			
	reaction time	0.147	interval	5.17	5.43	5.86	# of strides	11.55	11.29	0.26
	velocity	7.84	9.67	9.21	8.53	8.76	102.0	8.66	8.86	
<b>Koné, Maboundou (CIV) (1997)</b>	time	6.37	11.57	17.02	22.87	22.87	3 / 4			
	reaction time	0.193	interval	5.20	5.45	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	
<b>Hodge, Aadaejah (IVB) (2006)</b>	time	6.38	11.55	16.99	23.00	23.00	5 / 5			
	reaction time	0.159	interval	5.17	5.44	6.01	# of strides	11.55	11.45	0.10
	velocity	7.84	9.67	9.19	8.32	8.70	103.5	8.66	8.73	
<b>Karstoft, Ida (DEN) (1995)</b>	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	
<b>Li Yuting (CHN) (2002)</b>	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	
<b>Azevedo, Ana Carolina (BRA) (2002)</b>	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
<b>Brown, Brittany (USA) (1995)</b>	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	
<b>Thomas, Lanae-Tava (JAM) (2001)</b>	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	
<b>Williams, Bianca (GBR) (1993)</b>	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	
<b>Emmanouílidou, Polyniki (GRE) (2001)</b>	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	
<b>Fotopoulou, Olivia (CYP) (1996)</b>	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	
<b>Takács, Boglárka (HUN) (2001)</b>	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	
<b>Vervae, Imke (BEL) (1993)</b>	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	
<b>Pereira, Veronica Shanti (SGP) (2001)</b>	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	

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



## 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
<b>Long, McKenzie (USA) (2000)</b>	time		6.42	11.49	16.79	22.55	22.55	9 / 1			
	reaction time	0.212		5.07	5.30	5.76		# of strides	11.49	11.06	0.43
			7.79	9.86	9.43	8.68	8.87	102.0	8.70	9.04	
<b>Gbai, Jessika (CIV) (1998)</b>	time		6.39	11.50	16.89	22.61	22.61	7 / 2			
	reaction time	0.170		5.11	5.39	5.72		# of strides	11.50	11.11	0.39
			7.82	9.78	9.28	8.74	8.85	94.0	8.70	9.00	
<b>Leduc, Audrey (CAN) (1999)</b>	time		6.42	11.58	16.99	22.88	22.88	3 / 3			
	reaction time	0.188		5.16	5.41	5.89		# of strides	11.58	11.30	0.28
			7.79	9.69	9.24	8.49	8.74	94.2	8.64	8.85	
<b>Bestue, Jael (ESP) (2000)</b>	time		6.43	11.65	17.20	23.17	23.17	2 / 4			
	reaction time	0.150		5.22	5.55	5.97		# of strides	11.65	11.52	0.13
			7.78	9.58	9.01	8.38	8.63	102.7	8.58	8.68	
<b>Tsimanouskaya, Krystsina (POL)</b>	time		6.52	11.80	17.32	23.30	23.30	6 / 5			
	reaction time	0.181		5.28	5.52	5.98		# of strides	11.80	11.50	0.30
			7.67	9.47	9.06	8.36	8.58	98.5	8.47	8.70	
<b>Gross, Mia (AUS) (2001)</b>	time		6.45	11.71	17.31	23.36	23.36	5 / 6			
	reaction time	0.178		5.26	5.60	6.05		# of strides	11.71	11.65	0.06
			7.75	9.51	8.93	8.26	8.56	96.7	8.54	8.58	
<b>Nazareno, Aimar (ECU) (2001)</b>	time		6.47	11.84	17.44	23.52	23.52	4 / 7			
	reaction time	0.196		5.37	5.60	6.08		# of strides	11.84	11.68	0.16
			7.73	9.31	8.93	8.22	8.50	97.2	8.45	8.56	
<b>Martins, Lorraine (BRA) (2000)</b>	time		6.58	11.88	17.52	23.68	23.68	8 / 8			
	reaction time	0.179		5.30	5.64	6.16		# of strides	11.88	11.80	0.08
			7.60	9.43	8.87	8.12	8.45	105.0	8.42	8.47	

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

## Heat 2

date 04-Aug-24

wind 0.0 m/s

Paris 2024 Olympic Games - Results Book (2024)

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Thomas, Gabrielle (USA) (1996)</b>	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	
<b>Burgher, Niesha (JAM) (2002)</b>	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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	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	
<b>Madogo, Jacqueline (CAN) (200)</b>	time	6.53	11.71	17.07	22.78	22.78	8 / 4			
	reaction time	0.157	interval	5.18	5.36	5.71	# 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	
<b>Suárez, Gabriela Anahí (ECU) (2)</b>	time	6.29	11.53	17.13	23.33	23.33	4 / 5			
	reaction time	0.144	interval	5.24	5.60	6.20	# of strides	11.53	11.80	-0.27
	velocity	7.95	9.54	8.93	8.06	8.57	102.7	8.67	8.47	
<b>Kaddari, Dalia (ITA) (2001)</b>	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	
<b>Tamayo-Garza, Cecilia (MEX) (1)</b>	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
<b>Alfred, Julien (LCA) (2001)</b>	time	6.23	11.32	16.63	22.41	22.41	4 / 1			
	reaction time	0.167	interval	5.09	5.31	5.78	# of strides	11.32	11.09	0.23
	velocity	8.03	9.82	9.42	8.65	8.92	96.0	8.83	9.02	
<b>Joseph, Gemima (FRA) (2001)</b>	time	6.28	11.49	16.92	22.72	22.72	5 / 2			
	reaction time	0.151	interval	5.21	5.43	5.80	# of strides	11.49	11.23	0.26
	velocity	7.96	9.60	9.21	8.62	8.80	98.0	8.70	8.90	
<b>Henriksson, Julia (SWE) (2000)</b>	time	6.40	11.60	16.94	22.79	22.79	6 / 3			
	reaction time	0.144	interval	5.20	5.34	5.85	# 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	
<b>Lewis, Torrie (AUS) (2005)</b>	time	6.34	11.50	16.94	22.89	22.89	9 / 4			
	reaction time	0.158	interval	5.16	5.44	5.95	# 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	
<b>Bazolo, Lorène Dorcas (POR) (1)</b>	time	6.41	11.63	17.13	23.10	23.10	7 / 5			
	reaction time	0.118	interval	5.22	5.50	5.97	# of strides	11.63	11.47	0.16
	velocity	7.80	9.58	9.09	8.38	8.66	99.0	8.60	8.72	
<b>Pointet, Léonie (SUI) (2001)</b>	time	6.43	11.76	17.33	23.42	23.42	2 / 6			
	reaction time	0.152	interval	5.33	5.57	6.09	# of strides	11.76	11.66	0.10
	velocity	7.78	9.38	8.98	8.21	8.54	104.0	8.50	8.58	
<b>Safronova, Olga (KAZ) (1991)</b>	time	6.44	11.73	17.26	23.58	23.58	3 / 7			
	reaction time	0.138	interval	5.29	5.53	6.32	# of strides	11.73	11.85	-0.12
	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
<b>Akizawa, Risa (JPN) (2007)</b>	time	6.50	11.98	17.68	23.82	23.82	6 / 1			
	reaction time	0.192	interval	5.48	5.70	6.14	# of strides	11.98	11.84	0.14
	velocity	7.69	9.12	8.77	8.14	8.40		8.35	8.45	

<b>Kobari, Akiha (JPN) (2006)</b>	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	
<b>Kakizoe, Suzune (JPN) (2007)</b>	time	6.65	12.25	18.04	24.19	24.19	7 / 3			
reaction time	0.187	interval	5.60	5.79	6.15	<b>PB</b>	# of strides	12.25	11.94	0.31
		velocity	7.52	8.93	8.64	8.13	8.27	8.16	8.38	
<b>Chiba, Anju (JPN) (2007)</b>	time	6.59	12.19	18.01	24.27	24.27	5 / 4			
reaction time	0.191	interval	5.60	5.82	6.26		# of strides	12.19	12.08	0.11
		velocity	7.59	8.93	8.59	7.99	8.24	8.20	8.28	
<b>Sugimoto, Miu (JPN) (2006)</b>	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	
<b>Balogun, Haru (JPN) (2009)</b>	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
		velocity	7.34	8.73	8.61	8.18	8.18	7.97	8.39	
<b>Fuse, Ichiha (JPN) (2008)</b>	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	
<b>Okabayashi, Saki (JPN) (2007)</b>	time	6.64	12.38	18.25	24.64	24.64	3 / 8			
reaction time	0.183	interval	5.74	5.87	6.39	<b>PB</b>	# 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**

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
<b>Thomas, Gabrielle (USA) (1996)</b>	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
<b>Alfred, Julien (LCA) (2001)</b>	time	6.27	11.31	16.41	21.86	21.86	7 / 2			
reaction time	0.159	interval	5.04	5.10	5.45	<b>NR PB</b>	# 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
<b>Asher-Smith, Dina (GBR) (1995)</b>	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
<b>Neita, Daryll (GBR) (1996)</b>	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
<b>Adeleke, Rhasidat (IRL) (2002)</b>	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	87.5	8.75	9.16
<b>Clark, Tamara (USA) (1999)</b>	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
<b>Prandini, Jenna (USA) (1992)</b>	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	86.4	8.81	
<b>Hunt, Amy (GBR) (2002)</b>	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	84.8	8.95	

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

date 07-Jul-24 wind -0.3 m/s

Omega Timing (2024) - continental tour gold 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
<b>Roelofs, Anna (NED) (2001)</b>	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	
<b>Romijn, Lise (NED) (2005)</b>	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	
<b>Saalberg, Eveline (NED) (1998)</b>	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	
<b>van Krieken, Lianne (NED) (1997)</b>	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	
<b>Nuijten, Femke (NED) (1999)</b>	time	6.73	12.44	18.42	24.89	24.89	4 / 5			
	reaction time	0.175	interval	5.71	5.98	6.47	# of strides	12.44	12.45	-0.01
	velocity	7.43	8.76	8.36	7.73	8.04		8.04	8.03	
<b>Jansen, Ruby (NED) (2007)</b>	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	
<b>Noruwa, Abigail (NED) (2006)</b>	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	
<b>Montijn, Valéria (NED) (2002)</b>	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 USA Olympic Trials (Eugene, OR)

### FINAL

date 29-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
<b>Thomas, Gabrielle (USA) (1996)</b>	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	
<b>Brown, Brittany (USA) (1995)</b>	time			16.36	21.97	21.90	9 / 2			
	reaction time		interval		5.61	<b>PB</b>	# of strides			
	velocity			9.17	8.91	9.13	95.0			
<b>Long, McKenzie (USA) (2000)</b>	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	
<b>Richardson, Sha'Carri (USA) (2012)</b>	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	
<b>Clark, Tamara (USA) (1999)</b>	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	
<b>Steiner, Abby (USA) (1999)</b>	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	
<b>Prandini, Jenna (USA) (1992)</b>	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	
<b>Mays, Jady (USA) (2002)</b>	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

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

velocity	7.78	9.54	9.33	8.98	8.85	100.0	8.57	9.15
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**Semi-Final 3**

date	28-Jun-24	wind	1.4 m/s	USATF and Karmarush (2024) - USA Olympic trials results and race analysis					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Thomas, Gabrielle (USA) (1996)</b>	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	
<b>Steiner, Abby (USA) (1999)</b>	time	6.36	11.41	16.53	22.03	22.03	8 / 2			
reaction time	interval		5.05	5.12	5.50		# of strides	11.41	10.62	0.79
	velocity	7.86	9.90	9.77	9.09	9.08	51.0	8.76	9.42	
<b>Clark, Tamara (USA) (1999)</b>	time	6.30	11.41	16.67	22.12	22.12	5 / 3			
reaction time	interval		5.11	5.26	5.45		# of strides	11.41	10.71	0.70
	velocity	7.94	9.78	9.51	9.17	9.04	98.0	8.76	9.34	
<b>Carter, Jassani (USA) (2003)</b>	time	6.46	11.68	16.93	22.50	22.50	9 / 4			
reaction time	interval		5.22	5.25	5.57		# of strides	11.68	10.82	0.86
	velocity	7.74	9.58	9.52	8.98	8.89	96.0	8.56	9.24	
<b>Hill, Candice (USA) (1999)</b>	time	6.42	11.60	16.97	22.61	22.61	4 / 5			
reaction time	interval		5.18	5.37	5.64		# of strides	11.60	11.01	0.59
	velocity	7.79	9.65	9.31	8.87	8.85	92.5	8.62	9.08	
<b>Jamison, Jayla (USA) (2003)</b>	time	6.47	11.69	17.04	22.68	22.68	6 / 6			
reaction time	interval		5.22	5.35	5.64		# of strides	11.69	10.99	0.70
	velocity	7.73	9.58	9.35	8.87	8.82	98.7	8.55	9.10	
<b>Irby-Jackson, Lynna (USA) (1999)</b>	time	6.42	11.67	17.12	22.85	22.85	1 / 7			
reaction time	interval		5.25	5.45	5.73		# of strides	11.67	11.18	0.49
	velocity	7.79	9.52	9.17	8.73	8.75	91.7	8.57	8.94	
<b>Dickson, Camryn (USA) (2004)</b>	time	6.53	11.80	17.26	23.05	23.05	3 / 8			
reaction time	interval		5.27	5.46	5.79		# of strides	11.80	11.25	0.55
	velocity	7.66	9.49	9.16	8.64	8.68	101.7	8.47	8.89	
<b>Chandler, Caisja (USA) (2000)</b>	time	6.58	11.97	17.50	23.25	23.25	2 / 9			
reaction time	interval		5.39	5.53	5.75		# of strides	11.97	11.28	0.69
	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					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Long, McKenzie (USA) (2000)</b>	time	6.32	11.45	16.59	22.01	22.01	6 / 1			
reaction time	interval		5.13	5.14	5.42		# of strides	11.45	10.56	0.89
	velocity	7.91	9.75	9.73	9.23	9.09	102.0	8.73	9.47	
<b>Brown, Brittany (USA) (1995)</b>	time	6.24	11.31	16.49	22.08	22.08	8 / 2			
reaction time	interval		5.07	5.18	5.59		# of strides	11.31	10.77	0.54
	velocity	8.01	9.86	9.65	8.94	9.06	95.2	8.84	9.29	
<b>Davis, Tamari (USA) (2003)</b>	time	6.22	11.35	16.58	22.10	22.10	9 / 3			
reaction time	interval		5.13	5.23	5.52	<b>PB</b>	# of strides	11.35	10.75	0.60
	velocity	8.04	9.75	9.56	9.06	9.05	90.2	8.81	9.30	
<b>Battle, Anavia (USA) (1999)</b>	time	6.36	11.56	16.78	22.41	22.41	7 / 4			
reaction time	interval		5.20	5.22	5.63		# of strides	11.56	10.85	0.71
	velocity	7.86	9.62	9.58	8.88	8.92	96.0	8.65	9.22	
<b>Blackmon, Kennedy (USA) (1999)</b>	time	6.50	11.77	17.26	22.96	22.96	2 / 5			
reaction time	interval		5.27	5.49	5.70		# of strides	11.77	11.19	0.58
	velocity	7.69	9.49	9.11	8.77	8.71	95.7	8.50	8.94	
<b>Effiong, Rosey (USA) (2001)</b>	time	6.58	11.81	17.29	23.04	23.04	3 / 6			
reaction time	interval		5.23	5.48	5.75		# of strides	11.81	11.23	0.58
	velocity	7.60	9.56	9.12	8.70	8.68	97.0	8.47	8.90	

<b>Whyte, Madison (USA) (2004)</b>	time	6.52	11.80	17.28	23.12	23.12	5 / 7			
reaction time	interval		5.28	5.48	5.84		# of strides	11.80	11.32	0.48
	velocity	7.67	9.47	9.12	8.56	8.65	91.7	8.47	8.83	
<b>Davis, Kenondra (USA) (2003)</b>	time	6.52	11.88	17.41	23.13	23.13	4 / 8			
reaction time	interval		5.36	5.53	5.72		# of strides	11.88	11.25	0.63
	velocity	7.67	9.33	9.04	8.74	8.65	94.0	8.42	8.89	
<b>Bieber, Halle (USA) (2000)</b>	time	6.68	12.07	17.79	23.86	23.86	1 / 9			
reaction time	interval		5.39	5.72	6.07		# of strides	12.07	11.79	0.28
	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
<b>Richardson, Sha'Carri (USA) (2016)</b>	time	6.29	11.29	16.45	21.92	21.92	6 / 1			
reaction time	interval		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	
<b>Prandini, Jenna (USA) (1992)</b>	time	6.28	11.45	16.63	22.26	22.26	7 / 2			
reaction time	interval		5.17	5.18	5.63		# of strides	11.45	10.81	0.64
	velocity	7.96	9.67	9.65	8.88	8.98	95.0	8.73	9.25	
<b>Mays, Jadyn (USA) (2002)</b>	time	6.30	11.54	16.72	22.33	22.33	8 / 3			
reaction time	interval		5.24	5.18	5.61		# of strides	11.54	10.79	0.75
	velocity	7.94	9.54	9.65	8.91	8.96	99.2	8.67	9.27	
<b>Terry, Twanisha (USA) (1999)</b>	time	6.39	11.60	16.91	22.62	22.62	9 / 4			
reaction time	interval		5.21	5.31	5.71		# of strides	11.60	11.02	0.58
	velocity	7.82	9.60	9.42	8.76	8.84	100.0	8.62	9.07	
<b>Cooper, Elise (USA) (2007)</b>	time	6.44	11.67	17.10	22.71	22.71	5 / 5			
reaction time	interval		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	
<b>Sturgis, Cambrea (USA) (1999)</b>	time	6.42	11.75	17.25	22.98	22.98	3 / 6			
reaction time	interval		5.33	5.50	5.73		# of strides	11.75	11.23	0.52
	velocity	7.79	9.38	9.09	8.73	8.70	99.0	8.51	8.90	
<b>Tatum, Adriana (USA) (2002)</b>	time	6.73	12.15	17.63	23.17	23.17	1 / 7			
reaction time	interval		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	
<b>Baylark, Jada (USA) (1997)</b>	time	6.40	11.78	17.35	23.20	23.20	2 / 8			
reaction time	interval		5.38	5.57	5.85		# of strides	11.78	11.42	0.36
	velocity	7.81	9.29	8.98	8.55	8.62	94.5	8.49	8.76	
<b>Kelley, Tiriah (USA) (2004)</b>	time	6.52	11.87	17.41	23.21	23.21	4 / 9			
reaction time	interval		5.35	5.54	5.80		# of strides	11.87	11.34	0.53
	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
<b>Thomas, Gabrielle (USA) (1996)</b>	time	6.26	11.32	16.49	22.11	22.11	7 / 1			
reaction time	interval		5.06	5.17	5.62		# of strides	11.32	10.79	0.53
	velocity	7.99	9.88	9.67	8.90	9.05	89.0	8.83	9.27	
<b>Mays, Jadyn (USA) (2002)</b>	time	6.27	11.40	16.82	22.50	22.50	5 / 2			
reaction time	interval		5.13	5.42	5.68		# of strides	11.40	11.10	0.30
	velocity	7.97	9.75	9.23	8.80	8.89	98.2	8.77	9.01	
<b>Battle, Anavia (USA) (1999)</b>	time	6.38	11.48	16.82	22.57	22.57	3 / 3			
reaction time	interval		5.10	5.34	5.75		# of strides	11.48	11.09	0.39
	velocity	7.84	9.80	9.36	8.70	8.86	96.0	8.71	9.02	
<b>Terry, Twanisha (USA) (1999)</b>	time	6.32	11.40	16.75	22.71	22.71	8 / 4			
reaction time	interval		5.08	5.35	5.96		# of strides	11.40	11.31	0.09

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



	velocity	7.91	9.84	9.35	8.39	8.81	100.2	8.77	8.84	
<b>Hill, Candice (USA) (1999)</b>	time	6.41	11.60	17.04	22.88	22.88	6 / 5			
	reaction time	interval	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	
<b>Chandler, Caisja (USA) (2000)</b>	time	6.42	11.75	17.20	23.08	23.08	9 / 6			
	reaction time	interval	5.33	5.45	5.88		# of strides	11.75	11.33	0.42
	velocity	7.79	9.38	9.17	8.50	8.67	97.0	8.51	8.83	
<b>Sturgis, Cambrea (USA) (1999)</b>	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

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
<b>Brown, Brittany (USA) (1995)</b>	time	6.04	11.13	16.31	22.29	22.29	5 / 1			
	reaction time	interval	5.09	5.18	5.98		# of strides	11.13	11.16	-0.03
	velocity	8.28	9.82	9.65	8.36	8.97	93.2	8.98	8.96	
<b>Prandini, Jenna (USA) (1992)</b>	time	6.05	11.15	16.48	22.58	22.58	8 / 2			
	reaction time	interval	5.10	5.33	6.10		# of strides	11.15	11.43	-0.28
	velocity	8.26	9.80	9.38	8.20	8.86	95.5	8.97	8.75	
<b>Clark, Tamara (USA) (1999)</b>	time	6.02	11.37	16.71	22.82	22.82	9 / 3			
	reaction time	interval	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	
<b>Carter, Jassani (USA) (2003)</b>	time	6.03	11.32	16.74	22.85	22.85	7 / 4			
	reaction time	interval	5.29	5.42	6.11		# of strides	11.32	11.53	-0.21
	velocity	8.29	9.45	9.23	8.18	8.75	97.0	8.83	8.67	
<b>Baylark, Jada (USA) (1997)</b>	time	6.06	11.33	16.92	23.20	23.20	3 / 5			
	reaction time	interval	5.27	5.59	6.28		# of strides	11.33	11.87	-0.54
	velocity	8.25	9.49	8.94	7.96	8.62	93.0	8.83	8.42	
<b>Tatum, Adriana (USA) (2002)</b>	time	6.31	11.66	17.19	23.25	23.25	6 / 6			
	reaction time	interval	5.35	5.53	6.06		# of strides	11.66	11.59	0.07
	velocity	7.92	9.35	9.04	8.25	8.60	98.0	8.58	8.63	
<b>Irby-Jackson, Lynna (USA) (1999)</b>	time	6.12	11.39	16.96	23.28	23.28	4 / 7			
	reaction time	interval	5.27	5.57	6.32		# of strides	11.39	11.89	-0.50
	velocity	8.17	9.49	8.98	7.91	8.59	92.5	8.78	8.41	
<b>Bieber, Halle (USA) (2000)</b>	time	6.22	11.52	17.21	23.71	23.71	2 / 8			
	reaction time	interval	5.30	5.69	6.50		# of strides	11.52	12.19	-0.67
	velocity	8.04	9.43	8.79	7.69	8.44	98.0	8.68	8.20	

## Heat 2

date 27-Jun-24 wind 0.8 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
<b>Long, McKenzie (USA) (2000)</b>	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	
<b>Jamison, Jayla (USA) (2003)</b>	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	
<b>Cooper, Elise (USA) (2007)</b>	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	
<b>Davis, Kenondra (USA) (2003)</b>	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	

<b>Dickson, Camryn (USA) (2004)</b>	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**

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
<b>Richardson, Sha'Carri (USA) (2)</b>	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	
<b>Steiner, Abby (USA) (1999)</b>	time	6.24	11.46	16.68	22.29	22.29	8 / 2			
reaction time	interval		5.22	5.22	5.61		# of strides	11.46	10.83	0.63
	velocity	8.01	9.58	9.58	8.91	8.97	102.0	8.73	9.23	
<b>Davis, Tamari (USA) (2003)</b>	time	6.18	11.40	16.78	22.66	22.66	5 / 3			
reaction time	interval		5.22	5.38	5.88		# of strides	11.40	11.26	0.14
	velocity	8.09	9.58	9.29	8.50	8.83	91.0	8.77	8.88	
<b>Whyte, Madison (USA) (2004)</b>	time	6.45	11.66	17.09	22.93	22.93	4 / 4			
reaction time	interval		5.21	5.43	5.84		# of strides	11.66	11.27	0.39
	velocity	7.75	9.60	9.21	8.56	8.72	89.7	8.58	8.87	
<b>Kelley, Tiriah (USA) (2004)</b>	time	6.24	11.60	17.01	22.97	22.97	9 / 5			
reaction time	interval		5.36	5.41	5.96		# of strides	11.60	11.37	0.23
	velocity	8.01	9.33	9.24	8.39	8.71	93.7	8.62	8.80	
<b>Effiong, Rosey (USA) (2001)</b>	time	6.38	11.61	17.03	22.98	22.98	3 / 6			
reaction time	interval		5.23	5.42	5.95		# of strides	11.61	11.37	0.24
	velocity	7.84	9.56	9.23	8.40	8.70	96.0	8.61	8.80	
<b>Blackmon, Kennedy (USA) (199)</b>	time	6.39	11.71	17.14	23.00	23.00	7 / 7			
reaction time	interval		5.32	5.43	5.86		# of strides	11.71	11.29	0.42
	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
<b>McMullen, Avery (USA) (2000)</b>	time	6.65	12.22	17.91	23.95	23.95	7 / 1			
reaction time	interval		5.57	5.69	6.04		# of strides	12.22	11.73	0.49
	velocity	7.52	8.98	8.79	8.28	8.35		8.18	8.53	
<b>Hawkins, Chari (USA) (1991)</b>	time	6.64	12.26	18.00	24.21	24.21	5 / 2			
reaction time	interval		5.62	5.74	6.21		# of strides	12.26	11.95	0.31
	velocity	7.53	8.90	8.71	8.05	8.26		8.16	8.37	
<b>Chapman, Timara (USA) (2000)</b>	time	6.59	12.25	18.02	24.25	24.25	6 / 3			
reaction time	interval		5.66	5.77	6.23		# of strides	12.25	12.00	0.25
	velocity	7.59	8.83	8.67	8.03	8.25		8.16	8.33	
<b>O'Brien, Jadin (USA) (2002)</b>	time	6.53	12.35	18.13	24.33	24.33	9 / 4			
reaction time	interval		5.82	5.78	6.20		# of strides	12.35	11.98	0.37
	velocity	7.66	8.59	8.65	8.06	8.22		8.10	8.35	
<b>Taubert, Lauren (USA) (1998)</b>	time	6.58	12.16	18.00	24.37	24.37	4 / 5			
reaction time	interval		5.58	5.84	6.37		# of strides	12.16	12.21	-0.05
	velocity	7.60	8.96	8.56	7.85	8.21		8.22	8.19	
<b>Burns, Shaina (USA) (1996)</b>	time	6.88	12.77	18.66	25.20	25.20	8 / 1			
reaction time	interval		5.89	5.89	6.54		# of strides	12.77	12.43	0.34
	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
<b>Hall, Anna (USA) (2001)</b>	time	6.56	12.11	17.79	23.90	23.90	9 / 1			
reaction time	interval		5.55	5.68	6.11		# of strides	12.11	11.79	0.32
	velocity	7.62	9.01	8.80	8.18	8.37		8.26	8.48	

<b>Nesbitt, Cheyenne (USA) (1999)</b>	time	6.55	12.07	17.79	24.03	24.03	4 / 2			
	reaction time	interval	5.52	5.72	6.24		# of strides	12.07	11.96	0.11
		velocity	7.63	9.06	8.74	8.01	8.32	8.29	8.36	
<b>Bender, Hope (USA) (1997)</b>	time	6.58	12.16	17.86	24.18	24.18	7 / 3			
	reaction time	interval	5.58	5.70	6.32		# of strides	12.16	12.02	0.14
		velocity	7.60	8.96	8.77	7.91	8.27	8.22	8.32	
<b>Marsh, Erin (USA) (1999)</b>	time	6.48	12.07	17.94	24.45	24.45	6 / 4			
	reaction time	interval	5.59	5.87	6.51		# of strides	12.07	12.38	-0.31
		velocity	7.72	8.94	8.52	7.68	8.18	8.29	8.08	
<b>Zamzow-Mahler, Ashtin (USA)</b>	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	-0.56
		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
<b>Atherley, Michelle (USA) (1995)</b>	time	6.49	11.76	17.24	23.30	23.30	5 / 1			
	reaction time	interval	5.27	5.48	6.06	<b>PB</b>	# of strides	11.76	11.54	0.22
		velocity	7.70	9.49	9.12	8.25	8.58	8.50	8.67	
<b>Jones, Allie (USA) (2000)</b>	time	6.54	11.90	17.42	23.34	23.34	7 / 2			
	reaction time	interval	5.36	5.52	5.92	<b>PB</b>	# of strides	11.90	11.44	0.46
		velocity	7.65	9.33	9.06	8.45	8.57	8.40	8.74	
<b>Brooks, Taliyah (USA) (1995)</b>	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	
<b>Rogers, Jenelle (USA) (2002)</b>	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	
<b>Bougard, Erica (USA) (1993)</b>	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	
<b>Gochenour-Brondyke, Alex (USA)</b>	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 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
<b>Kambundji, Mujinga (SUI) (1992)</b>	0.150	no information available				22.49	6 / 1		# of strides	101.0
<b>Neita, Daryll (GBR) (1996)</b>	0.181	no information available				22.50	8 / 2		# of strides	91.0
<b>Pariset, Helene (FRA) (1992)</b>	0.195	no information available				<b>PB</b> 22.63	3 / 3		# of strides	103.0
<b>Jæger, Henriette (NOR) (2003)</b>	0.159	no information available				22.83	7 / 4		# of strides	96.7
<b>Jiya, Tasa (NED) (1997)</b>	0.188	no information available				22.90	5 / 5		# of strides	94.0
<b>Henriksson, Julia (SWE) (2000)</b>	0.162	no information available				22.91	4 / 6		# of strides	48.2
<b>Bestué, Jaël (ESP) (2000)</b>	0.152	no information available				22.93	9 / 7		# of strides	103.7
<b>Emmanouilidou, Polyniki (GRE)</b>	0.203	no information available				23.01	2 / 8		# 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	
<b>Jackson, Shericka (JAM) (1994)</b>	time	6.28	11.41	16.77	22.69	22.69	5 / 1				
	reaction time	0.156	interval	5.13	5.36	5.92	# of strides	11.41	11.28	0.13	
		velocity	7.96	9.75	9.33	8.45	8.81	96.0	8.76	8.87	
<b>Henriksson, Julia (SWE) (2000)</b>	time	6.41	11.59	16.99	22.89	22.89	2 / 2				
	reaction time	0.145	interval	5.18	5.40	5.90	<b>PB</b>	# 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	



<b>Hunt, Amy (GBR) (2002)</b>	time	6.46	11.73	17.09	22.92	22.92	1 / 3			
	reaction time	0.158	interval	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	
<b>Battle, Anavia (USA) (1999)</b>	time	6.38	11.55	16.95	22.98	22.98	3 / 4			
	reaction time	0.140	interval	5.17	5.40	6.03	# of strides	11.55	11.43	0.12
	velocity	7.84	9.67	9.26	8.29	8.70	97.5	8.66	8.75	
<b>Koné Maboundou (CIV) (1997)</b>	time	6.42	11.66	17.09	23.04	23.04	7 / 5			
	reaction time	0.179	interval	5.24	5.43	5.95	# of strides	11.66	11.38	0.28
	velocity	7.79	9.54	9.21	8.40	8.68	100.7	8.58	8.79	
<b>Jiya, Tasa (NED) (1997)</b>	time	6.55	11.79	17.28	23.25	23.25	8 / 6			
	reaction time	0.168	interval	5.24	5.49	5.97	# of strides	11.79	11.46	0.33
	velocity	7.63	9.54	9.11	8.38	8.60	94.7	8.48	8.73	
<b>Prandini, Jenna (USA) (1992)</b>	time	6.41	11.51	17.04	23.31	23.31	6 / 7			
	reaction time	0.171	interval	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
<b>永岡 璃紗</b>	time		12.34		24.51	24.51	8 / 1			
	reaction time		interval	-12.34	24.51		# of strides	12.34	12.17	0.17
	velocity		8.10	-4.05	2.04	8.16		8.10	8.22	
<b>畑 心海</b>	time		12.39		24.74	24.74	6 / 2			
	reaction time		interval	-12.39	24.74		# of strides	12.39	12.35	0.04
	velocity		8.07	-4.04	2.02	8.08		8.07	8.10	
<b>江角 和華</b>	time		12.50		24.94	24.94	5 / 3			
	reaction time		interval	-12.50	24.94		# of strides	12.50	12.44	0.06
	velocity		8.00	-4.00	2.00	8.02		8.00	8.04	
<b>玉木 麻裕</b>	time		12.70		25.60	25.60	7 / 4			
	reaction time		interval	-12.70	25.60		# of strides	12.70	12.90	-0.20
	velocity		7.87	-3.94	1.95	7.81		7.87	7.75	
<b>金子 映</b>	time		12.83		25.77	25.77	9 / 5			
	reaction time		interval	-12.83	25.77		# of strides	12.83	12.94	-0.11
	velocity		7.79	-3.90	1.94	7.76		7.79	7.73	
<b>八澤 蒼空</b>	time		13.46		27.19	27.19	4 / 6			
	reaction time		interval	-13.46	27.19		# of strides	13.46	13.73	-0.27
	velocity		7.43	-3.71	1.84	7.36		7.43	7.28	
<b>和田 尚子</b>	time		13.30		27.58	27.58	2 / 7			
	reaction time		interval	-13.30	27.58		# of strides	13.30	14.28	-0.98
	velocity		7.52	-3.76	1.81	7.25		7.52	7.00	
<b>福田 暖乃</b>	time		14.07		28.00	28.00	3 / 8			
	reaction time		interval	-14.07	28.00		# of strides	14.07	13.93	0.14
	velocity		7.11	-3.55	1.79	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
<b>Lewis, Torrie (AUS) (2005)</b>	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	
<b>Richardson, Sha'Carri (USA) (2012)</b>	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	

<b>Clark, Tamara (USA) (1999)</b>	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
<b>Battle, Anavia (USA) (1999)</b>	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
<b>Terry, Twanisha (USA) (1999)</b>	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
<b>Kambundji, Mujinga (SUI) (1992)</b>	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
<b>Wessolly, Jessica-Bianca (GER)</b>	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
<b>Chandler, Caisja (USA) (2000)</b>	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
<b>Strachan, Anthonique (BAH) (1)</b>	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
<b>Jackson, Shericka (JAM) (1994)</b>	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
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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
<b>Strachan, Anthonique (BAH) (1)</b>	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
<b>Terry, Twanisha (USA) (1999)</b>	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
<b>Neita, Daryll (GBR) (1996)</b>	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
<b>White, Kayla (USA) (1996)</b>	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	8.49	8.89	92.0	8.83	8.95
<b>Prandini, Jenna (USA) (1992)</b>	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	8.33	8.82	97.0	8.81	8.83
<b>Jiya, Tasa (NED) (1997)</b>	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
<b>Joseph, Gémima (FRA) (2001)</b>	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

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	9.19	8.82	9.86	8.47	8.42	9.31
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**2023 Memorial van damme (Brussels, BEL)****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
<b>Jackson, Shericka (JAM) (1994)</b>	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	
<b>Strachan, Anthonique (BAH) (1992)</b>	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	
<b>Prandini, Jenna (USA) (1992)</b>	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	
<b>Neita, Daryll (GBR) (1996)</b>	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	
<b>Koné, Maboundou (CIV) (1997)</b>	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	
<b>Jiya, Tasa (NED) (1997)</b>	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	
<b>Nkansa, Delphine (BEL) (2001)</b>	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	
<b>Jackson, Shericka (JAM) (1994)</b>	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		
<b>Neita, Daryll (GBR) (1996)</b>	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		
<b>White, Kayla (USA) (1996)</b>	0.153	no information available				22.33	4 / 3		# of strides	91.7	
<b>Kambundji, Mujinga (SUI) (1992)</b>	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		
<b>Terry, Twanisha (USA) (1999)</b>	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		
<b>Strachan, Anthonique (BAH) (1992)</b>	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		
<b>Prandini, Jenna (USA) (1992)</b>	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		
<b>Clark, Tamara (USA) (1999)</b>	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		

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



## 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
<b>Jackson, Shericka (JAM) (1994)</b>	time			11.05		21.41	21.41	6 / 1			
	reaction time	0.161	interval			10.36	<b>CR NR PB</b>	# of strides	11.05	10.36	0.69
			velocity	9.05		9.65	9.34	93.0	9.05	9.65	
<b>Thomas, Gabrielle (USA) (1996)</b>	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	
<b>Richardson, Sha'Carri (USA) (2)</b>	time			11.30		21.92	21.92	9 / 3			
	reaction time	0.171	interval			10.62	<b>PB</b>	# of strides	11.30	10.62	0.68
			velocity	8.85		9.42	9.12	98.5	8.85	9.42	
<b>Alfred, Julien (LCA) (2001)</b>	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	
<b>Neita, Daryll (GBR) (1996)</b>	time			11.26		22.16	22.16	5 / 5			
	reaction time	0.148	interval			10.90	<b>PB</b>	# of strides	11.26	10.90	0.36
			velocity	8.88		9.17	9.03	92.0	8.88	9.17	
<b>Strachan, Anthonique (BAH) (1)</b>	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	
<b>Asher-Smith, Dina (GBR) (1995)</b>	0.131		no information available				22.34	4 / 7		# of strides	95.0
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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

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
<b>Jackson, Shericka (JAM) (1994)</b>	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	
<b>Richardson, Sha'Carri (USA) (2)</b>	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	
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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	
<b>Williams, Bianca (GBR) (1993)</b>	time			11.46		22.45	22.45	5 / 4			
	reaction time	0.156	interval			10.99	<b>PB</b>	# of strides	11.46	10.99	0.47
			velocity	8.73		9.10	8.91	99.0	8.73	9.10	
<b>Bestué, Jaël (ESP) (2000)</b>	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	
<b>Pereira, Shanti Veronica (SGP) (</b>	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	
<b>Ofilii, Favour (NGR) (2002)</b>	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	
<b>Bass, Gina (GAM) (1995)</b>	time			11.76		23.10	23.10	3 / 8			
	reaction time	0.141	interval			11.34		# of strides	11.76	11.34	0.42

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

velocity	8.50	8.82	8.66	103.0	8.50	8.82
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**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
<b>Alfred, Julien (LCA) (2001)</b>	time		11.42		22.17	22.17	6 / 1			
	reaction time	0.159			10.75		# of strides	11.42	10.75	0.67
	velocity		8.76		9.30	9.02	97.0	8.76	9.30	
<b>Neita, Daryll (GBR) (1996)</b>	0.162	no information available			<b>PB</b>	22.21	8 / 2		# of strides	92.2
<b>Strachan, Anthonique (BAH) (1996)</b>	time		11.52		22.30	22.30	7 / 3			
	reaction time	0.159			10.78		# of strides	11.52	10.78	0.74
	velocity		8.68		9.28	8.97	86.7	8.68	9.28	
<b>White, Kayla (USA) (1996)</b>	time		11.38		22.34	22.34	9 / 4			
	reaction time	0.145			10.96		# of strides	11.38	10.96	0.42
	velocity		8.79		9.12	8.95	92.0	8.79	9.12	
<b>Davis, Kevona (JAM) (2001)</b>	time		11.38		22.34	22.34	4 / 5			
	reaction time	0.153			10.96		# of strides	11.38	10.96	0.42
	velocity		8.79		9.12	8.95	92.0	8.79	9.12	
<b>Gbai, Jessika (CIV) (1998)</b>	time		11.63		22.88	22.88	5 / 6			
	reaction time	0.201			11.25		# of strides	11.63	11.25	0.38
	velocity		8.60		8.89	8.74	92.0	8.60	8.89	
<b>Hodge, Aadaejah (IVB) (2006)</b>	time		11.68		22.96	22.96	2 / 7			
	reaction time	0.154			11.28		# of strides	11.68	11.28	0.40
	velocity		8.56		8.87	8.71	101.2	8.56	8.87	
<b>Tsimanouskaya, Krystsina (POL) (1996)</b>	time		11.74		23.34	23.34	3 / 8			
	reaction time	0.199			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
<b>Thomas, Gabrielle (USA) (1996)</b>	time		11.31		21.97	21.97	8 / 1			
	reaction time	0.172			10.66		# of strides	11.31	10.66	0.65
	velocity		8.84		9.38	9.10	89.0	8.84	9.38	
<b>Asher-Smith, Dina (GBR) (1995)</b>	time		11.22		22.28	22.28	6 / 2			
	reaction time	0.126			11.06		# of strides	11.22	11.06	0.16
	velocity		8.91		9.04	8.98	95.0	8.91	9.04	
<b>Whyte, Natalliah (JAM) (1997)</b>	time		11.33		22.52	22.52	7 / 3			
	reaction time	0.154			11.19		# of strides	11.33	11.19	0.14
	velocity		8.83		8.94	8.88	97.0	8.83	8.94	
<b>Jiya, Tasa (NED) (1997)</b>	time		11.55		22.67	22.67	9 / 4			
	reaction time	0.159			11.12	<b>PB</b>	# of strides	11.55	11.12	0.43
	velocity		8.66		8.99	8.82	94.7	8.66	8.99	
<b>Fotopoulou, Olivia (CYP) (1996)</b>	time		11.46		22.73	22.73	4 / 5			
	reaction time	0.162			11.27		# of strides	11.46	11.27	0.19
	velocity		8.73		8.87	8.80	99.0	8.73	8.87	
<b>Koné, Maboundou (CIV) (1997)</b>	time		11.51		22.73	22.73	5 / <del>6</del>			
	reaction time	0.188			11.22	<b>DQ</b>	# of strides	11.51	11.22	0.29
	velocity		8.69		8.91	8.80	99.2	8.69	8.91	
<b>Kaddari, Dalia (ITA) (2001)</b>	time		11.61		22.75	22.75	2 / <del>7</del> 6			
	reaction time	0.151			11.14		# of strides	11.61	11.14	0.47
	velocity		8.61		8.98	8.79	97.0	8.61	8.98	
<b>Emmanouilidou, Polyniki (GRE) (1996)</b>	time		11.74		23.15	23.15	3 / <del>8</del> 7			
	reaction time	0.156			11.41		# of strides	11.74	11.41	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 8.52 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
<b>Asher-Smith, Dina (GBR) (1995)</b> 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	
<b>Koné, Maboundou (CIV) (1997)</b> 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	
<b>White, Kayla (USA) (1996)</b> 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	
<b>Kaddari, Dalia (ITA) (2001)</b> 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	
<b>Tsimanouskaya, Krystsina (POL)</b> 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	
<b>Tsuruta, Remi (JPN) (1997)</b> 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	8.51	99.0	8.50	8.53	
<b>Njobvu, Rhodah (ZAM) (1994)</b> 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	
<b>Rosa, Vitoria Cristina (BRA) (1999)</b> 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
<b>Thomas, Gabrielle (USA) (1996)</b> 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	
<b>Davis, Kevona (JAM) (2001)</b> 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	
<b>Jiya, Tasa (NED) (1997)</b> 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	
<b>Takács, Boglárka (HUN) (2001)</b> time		11.68		23.24	23.24	2 / 4			
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	
<b>Tamayo, Cecilia (MEX) (1997)</b> time	0.155	no information available			23.25	6 / 5			# of strides 98.0
<b>Kotwiła, Martyna (POL) (1999)</b> time	0.153	no information available			23.34	7 / 6			# of strides 98.5
<b>Jensen, Christine Bjelland (NOF)</b> 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
<b>Alfred, Julien (LCA) (2001)</b> 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	

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



<b>Whyte, Natalliah (JAM) (1997)</b>	time	11.59	22.44	22.44	8 / 2				
reaction time	0.148	interval	10.85	10.85	# of strides	11.59	10.85	0.74	
		velocity	8.63	9.22	8.91	96.0	8.63	9.22	
<b>Williams, Bianca (GBR) (1993)</b>	time	11.62	22.67	22.67	7 / 3				
reaction time	0.167	interval	11.05	11.05	# of strides	11.62	11.05	0.57	
		velocity	8.61	9.05	8.82	98.5	8.61	9.05	
<b>Bass, Gina (GAM) (1995)</b>	time	11.83	23.02	23.02	3 / 4				
reaction time	0.155	interval	11.19	11.19	# of strides	11.83	11.19	0.64	
		velocity	8.45	8.94	8.69	102.5	8.45	8.94	
<b>Hulls, Georgia (NZL) (1999)</b>	time	11.88	23.36	23.36	2 / 5				
reaction time	0.148	interval	11.48	11.48	# of strides	11.88	11.48	0.40	
		velocity	8.42	8.71	8.56	99.0	8.42	8.71	
<b>Henriksson, Julia (SWE) (2000)</b>	time	11.91	23.55	23.55	6 / 6				
reaction time	0.138	interval	11.64	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
<b>Jackson, Shericka (JAM) (1994)</b>	time	11.41	22.51	22.51	4 / 1					
reaction time	0.191	interval	11.10	11.10	# of strides	11.41	11.10	0.31		
		velocity	8.76	9.01	8.88	94.5	8.76	9.01		
<b>Pereira, Shanti Veronica (SGP) (</b>	time	11.64	22.57	22.57	8 / 2					
reaction time	0.187	interval	10.93	10.93	<b>NR PB</b>	# of strides	11.64	10.93	0.71	
		velocity	8.59	9.15	8.86	97.0	8.59	9.15		
<b>Gbai, Jessika (CIV) (1998)</b>	time	11.82	22.78	22.78	5 / 3					
reaction time	0.198	interval	10.96	10.96	# of strides	11.82	10.96	0.86		
		velocity	8.46	9.12	8.78	91.0	8.46	9.12		
<b>Hodge, Aadaejah (IVB) (2006)</b>	time	11.66	22.82	22.82	6 / 4					
reaction time	0.151	interval	11.16	11.16	# of strides	11.66	11.16	0.50		
		velocity	8.58	8.96	8.76	101.0	8.58	8.96		
<b>Gogl-Walli, Susanne (AUT) (199</b>	time	12.06	23.38	23.38	3 / 5					
reaction time	0.167	interval	11.32	11.32	# of strides	12.06	11.32	0.74		
		velocity	8.29	8.83	8.55	96.5	8.29	8.83		
<b>Sulyán, Alexa (HUN) (2005)</b>	time	11.87	23.47	23.47	7 / 6					
reaction time	0.163	interval	11.60	11.60	# of strides	11.87	11.60	0.27		
		velocity	8.42	8.62	8.52	99.2	8.42	8.62		
<b>Caicedo, Nicole (ECU) (2000)</b>	time	11.98	23.51	23.51	2 / 7					
reaction time	0.232	interval	11.53	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
<b>Richardson, Sha'Carri (USA) (2</b>	time	11.35	22.16	22.16	6 / 1					
reaction time	0.168	interval	10.81	10.81	# of strides	11.35	10.81	0.54		
		velocity	8.81	9.25	9.03	98.0	8.81	9.25		
<b>Ta Lou, Marie-Josée (CIV) (1988</b>	time	11.41	22.26	22.26	5 / 2					
reaction time	0.173	interval	10.85	10.85	# of strides	11.41	10.85	0.56		
		velocity	8.76	9.22	8.98	95.0	8.76	9.22		
<b>Fotopoulou, Olivia (CYP) (1996)</b>	time	11.36	22.65	22.65	3 / 3					
reaction time	0.148	interval	11.29	11.29	<b>PB</b>	# of strides	11.36	11.29	0.07	
		velocity	8.80	8.86	8.83	99.0	8.80	8.86		
<b>Emmanouilidou, Polyniki (GRE)</b>	time	11.71	23.00	23.00	7 / 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	0.163	interval		11.29		# of strides	11.71	11.29	0.42
		velocity	8.54	8.86	8.70	104.7	8.54	8.86	
<b>Moore, Ashanti (JAM) (2000)</b>	time		11.75	23.12	23.12	8 / 5			
reaction time	0.149	interval		11.37		# of strides	11.75	11.37	0.38
		velocity	8.51	8.80	8.65	91.0	8.51	8.80	
<b>Bazolo, Loréne Dorcas (POR) (1995)</b>	time		11.64	23.13	23.13	2 / 6			
reaction time	0.163	interval		11.49		# of strides	11.64	11.49	0.15
		velocity	8.59	8.70	8.65	97.5	8.59	8.70	
<b>Kortetmaa, Anniina (FIN) (1995)</b>	time		11.82	23.52	23.52	4 / 7			
reaction time	0.154	interval		11.70		# of strides	11.82	11.70	0.12
		velocity	8.46	8.55	8.50	98.5	8.46	8.55	
<b>Semedo, Gorete (STP) (1996)</b>	time		12.02	23.69	23.69	9 / 8			
reaction time	0.239	interval		11.67		# of strides	12.02	11.67	0.35
		velocity	8.32	8.57	8.44	98.0	8.32	8.57	

## 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
<b>Strachan, Anthonique (BAH) (1995)</b>	time			11.50		22.31	22.31	9 / 1			
reaction time	0.169	interval				10.81		# of strides	11.50	10.81	0.69
		velocity		8.70		9.25	8.96	87.0	8.70	9.25	
<b>Neita, Daryll (GBR) (1996)</b>	time			11.41		22.39	22.39	7 / 2			
reaction time	0.161	interval				10.98		# of strides	11.41	10.98	0.43
		velocity		8.76		9.11	8.93	91.0	8.76	9.11	
<b>Bestué, Jaël (ESP) (2000)</b>	time			11.61		22.58	22.58	3 / 3			
reaction time	0.154	interval				10.97		# of strides	11.61	10.97	0.64
		velocity		8.61		9.12	8.86	104.0	8.61	9.12	
<b>Ofilii, Favour (NGR) (2002)</b>	time			11.63		22.66	22.66	5 / 4			
reaction time	0.162	interval				11.03		# of strides	11.63	11.03	0.60
		velocity		8.60		9.07	8.83	94.7	8.60	9.07	
<b>Pointet, Léonie (SUI) (2001)</b>	time			11.83		23.16	23.16	8 / 5			
reaction time	0.147	interval				11.33	<b>PB</b>	# of strides	11.83	11.33	0.50
		velocity		8.45		8.83	8.64	103.7	8.45	8.83	
<b>García, Yunisleydis (CUB) (1999)</b>	time			11.67		23.22	23.22	6 / 6			
reaction time	0.161	interval				11.55		# of strides	11.67	11.55	0.12
		velocity		8.57		8.66	8.61	97.5	8.57	8.66	
<b>Azevedo, Ana Carolina (BRA) (1995)</b>	time			11.75		23.45	23.45	2 / 7			
reaction time	0.182	interval				11.70		# of strides	11.75	11.70	0.05
		velocity		8.51		8.55	8.53	102.5	8.51	8.55	
<b>Pulkkinen, Aino (FIN) (1998)</b>	time			11.91		23.48	23.48	4 / 8			
reaction time	0.146	interval				11.57		# of strides	11.91	11.57	0.34
		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
<b>Johnson-Thompson, Katarina (GBR) (2009)</b>	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	
<b>Hall, Anna (USA) (2001)</b>	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	
<b>Brooks, Taliyah (USA) (1995)</b>	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	

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

<b>Weißenberg, Sophie (GER) (199)</b>	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	
<b>Dokter, Sofie (NED) (2002)</b>	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	
<b>Vetter, Anouk (NED) (1993)</b>	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	
<b>Hawkins, Chari (USA) (1991)</b>	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
<b>Lazraq, Auriana (FRA) (1999)</b>	time	12.27	24.02	24.02	24.02	8 / 1				
reaction time	0.186	interval	11.75	<b>PB</b>	# of strides	12.27	11.75	0.52		
		velocity	8.15	8.51	8.33	93.5	8.15	8.51		
<b>Oosterwegel, Emma (NED) (1991)</b>	time	12.47	24.58	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		
<b>Vanninen, Saga (FIN) (2003)</b>	time	12.55	24.71	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		
<b>O'Connor, Kate (IRL) (2000)</b>	time	12.57	24.78	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		
<b>Grimm, Vanessa (GER) (1997)</b>	time	12.58	24.91	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		
<b>Turpin, Esther (FRA) (1996)</b>	time	12.67	25.04	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		
<b>Nemes, Rita (HUN) (1989)</b>	time	12.67	25.04	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		
<b>Ligarska, Paulina (POL) (1996)</b>	time	12.81	25.41	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
<b>Vidts, Noor (BEL) (1996)</b>	time	12.45	24.23	24.23	24.23	2 / 1				
reaction time	0.210	interval	11.78		# of strides	12.45	11.78	0.67		
		velocity	8.03	8.49	8.25	95.2	8.03	8.49		
<b>Cambours, Léonie (FRA) (2000)</b>	time	12.79	25.03	25.03	25.03	7 / 2				
reaction time	0.167	interval	12.24		# of strides	12.79	12.24	0.55		
		velocity	7.82	8.17	7.99	101.0	7.82	8.17		
<b>Krizsán, Xénia (HUN) (1993)</b>	time	12.71	25.16	25.16	25.16	4 / 3				
reaction time	0.175	interval	12.45		# of strides	12.71	12.45	0.26		
		velocity	7.87	8.03	7.95	94.0	7.87	8.03		
<b>Voronina, Ekaterina (UZB) (1992)</b>	time	12.81	25.48	25.48	25.48	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	0.153	interval		12.67		# of strides	12.81	12.67	0.14
		velocity	7.81	7.89	7.85	96.0	7.81	7.89	
<b>Valeria, Martha (COL) (1996)</b>	time		12.64	25.67	25.67	5 / 5			
reaction time	0.184	interval		13.03		# of strides	12.64	13.03	-0.39
		velocity	7.91	7.67	7.79	103.0	7.91	7.67	
<b>Lagger, Sarah (AUT) (1999)</b>	time		13.04	25.86	25.86	3 / 6			
reaction time	0.220	interval		12.82		# of strides	13.04	12.82	0.22
		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
<b>Yamagata, Aiha (JPN) (2005)</b>	time		6.56	12.14	17.86	23.97	23.97	5 / 1			
reaction time	0.257	interval		5.58	5.72	6.11		# of strides	12.14	11.83	0.31
		velocity	7.62	8.96	8.74	8.18	8.34		8.24	8.45	
<b>江原 美月優</b>	time		6.70	12.34	18.11	24.27	24.27	4 / 2			
reaction time	0.212	interval		5.64	5.77	6.16		# of strides	12.34	11.93	0.41
		velocity	7.46	8.87	8.67	8.12	8.24		8.10	8.38	
<b>Shibafuji, Nao (JPN)</b>	time		6.55	12.29	18.17	24.37	24.37	7 / 3			
reaction time	0.220	interval		5.74	5.88	6.20		# of strides	12.29	12.08	0.21
		velocity	7.63	8.71	8.50	8.06	8.21		8.14	8.28	
<b>Sugimoto, Shinyui (JPN)</b>	time		6.83	12.67	18.44	24.42	24.42	8 / 4			
reaction time	0.210	interval		5.84	5.77	5.98		# of strides	12.67	11.75	0.92
		velocity	7.32	8.56	8.67	8.36	8.19		7.89	8.51	
<b>三浦 夏恋</b>	time		6.73	12.53	18.41	24.62	24.62	2 / 5			
reaction time	0.198	interval		5.80	5.88	6.21		# of strides	12.53	12.09	0.44
		velocity	7.43	8.62	8.50	8.05	8.12		7.98	8.27	
<b>俣山 渚</b>	time		6.56	12.50	18.40	24.66	24.66	6 / 6			
reaction time	0.227	interval		5.94	5.90	6.26		# of strides	12.50	12.16	0.34
		velocity	7.62	8.42	8.47	7.99	8.11		8.00	8.22	
<b>Yasuzu, Chiba (JPN)</b>	time		6.76	12.50	18.40	24.66	24.66	3 / 7			
reaction time	0.240	interval		5.74	5.90	6.26		# of strides	12.50	12.16	0.34
		velocity	7.40	8.71	8.47	7.99	8.11		8.00	8.22	
<b>Seta, Hina (JPN)</b>	time		7.02	12.80	18.63	24.80	24.80	9 / 8			
reaction time	0.304	interval		5.78	5.83	6.17		# of strides	12.80	12.00	0.80
		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
<b>Jackson, Shericka (JAM) (1994)</b>	time		6.22	11.20	16.38	21.86	21.86	5 / 1			
reaction time	0.163	interval		4.98	5.18	5.48		# of strides	11.20	10.66	0.54
		velocity	8.04	10.04	9.65	9.12	9.15		8.93	9.38	
<b>Alfred, Julien (LCA) (2001)</b>	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		8.88	9.24	
<b>Asher-Smith, Dina (GBR) (1995)</b>	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		8.96	9.03	
<b>Strachan, Anthonique (BAH) (1</b>	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	

<b>Neita, Daryll (GBR) (1996)</b>	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	
<b>White, Kayla (USA) (1996)</b>	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	
<b>Thomas, Gabrielle (USA) (1996)</b>	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
<b>Clark, Tamara (USA) (1999)</b>	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
<b>Neita, Daryll (GBR) (1996)</b>	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		
<b>Asher-Smith, Dina (GBR) (1995)</b>	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		
<b>Bestué, Jaël (ESP) (2000)</b>	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		
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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		
<b>Koné, Maboundou (CIV) (1997)</b>	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		
<b>Jiya, Tasa (NED) (1997)</b>	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		
<b>Henriksson, Julia (SWE) (2000)</b>	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		
<b>Takács, Boglárka (HUN) (2001)</b>	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
<b>Jiya, Tasa (NED) (1997)</b>	time		6.45	11.70	17.24	23.16	23.16	5 / 1				
reaction time	0.190	interval	5.25	5.54	5.92		# of strides	11.70	11.46	0.24		
		velocity	7.75	9.52	9.03	8.45	8.64	8.55	8.73			
<b>Burghardt, Alexandra (GER) (1988)</b>	time		6.42	11.68	17.26	23.43	23.43	4 / 2				
reaction time	0.176	interval	5.26	5.58	6.17		# of strides	11.68	11.75	-0.07		
		velocity	7.79	9.51	8.96	8.10	8.54	8.56	8.51			
<b>Atcho, Sarah (SUI) (1995)</b>	time		6.43	11.72	17.36	23.53	23.53	6 / 3				
reaction time	0.129	interval	5.29	5.64	6.17		# of strides	11.72	11.81	-0.09		
		velocity	7.78	9.45	8.87	8.10	8.50	8.53	8.47			

<b>Graversgaard, Mette (DEN) (199)</b>	time	6.42	11.74	17.40	23.56	23.56	3 / 4			
reaction time	0.153	interval	5.32	5.66	6.16		# of strides	11.74	11.82	-0.08
		velocity	7.79	9.40	8.83	8.12	8.49	8.52	8.46	
<b>Pointet, Leonie (SUI) (2001)</b>	time	6.44	11.78	17.44	23.58	23.58	8 / 5			
reaction time	0.156	interval	5.34	5.66	6.14		# of strides	11.78	11.80	-0.02
		velocity	7.76	9.36	8.83	8.14	8.48	8.49	8.47	
<b>Sedney, Zoë (NED) (2001)</b>	time	6.39	11.68	17.38	23.60	23.60	7 / 6			
reaction time	0.161	interval	5.29	5.70	6.22		# of strides	11.68	11.92	-0.24
		velocity	7.82	9.45	8.77	8.04	8.47	8.56	8.39	
<b>Bürgi, Céline (SUI) (1999)</b>	time	6.42	11.74	17.40	23.60	23.60	2 / 7			
reaction time	0.132	interval	5.32	5.66	6.20		# of strides	11.74	11.86	-0.12
		velocity	7.79	9.40	8.83	8.06	8.47	8.52	8.43	
<b>Caligiuri, Iris (SUI) (2003)</b>	time	6.59	12.06	17.92	24.38	24.38	1 / 8			
reaction time	0.143	interval	5.47	5.86	6.46		# of strides	12.06	12.32	-0.26
		velocity	7.59	9.14	8.53	7.74	8.20	8.29	8.12	

### 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
<b>Yamasaki, Yuki (JPN) (1995)</b>	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	
<b>Odama, Karin (JPN) (1999)</b>	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
<b>Thomas, Gabrielle (USA) (1996)</b>	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
<b>Steiner, Abby (USA) (1999)</b>	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
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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
<b>Asher-Smith, Dina (GBR) (1995)</b>	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
<b>White, Kayla (USA) (1996)</b>	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
		velocity	8.06	9.77	9.24	8.42	8.82	94.0	8.83	8.81
<b>Prandini, Jenna (USA) (1992)</b>	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
<b>Clark, Tamara (USA) (1999)</b>	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
<b>Joseph, Gémima (FRA) (2001)</b>	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
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**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
<b>Hemida, Bassant (EGY) (1996)</b>	time	6.40	11.57	16.82	22.41	22.41	6 / 1			
	reaction time	0.171	interval	5.17	5.59	<b>NR PB</b>	# 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	
<b>Klaver, Lieke (NED) (1998)</b>	time	6.45	11.60	16.90	22.51	22.51	5 / 2			
	reaction time	0.197	interval	5.15	5.61	<b>PB</b>	# 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	
<b>White, Kayla (USA) (1996)</b>	time	6.24	11.38	16.77	22.56	22.56	4 / 3			
	reaction time	0.144	interval	5.14	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	
<b>Jiya, Tasa (NED) (1997)</b>	time	6.38	11.61	17.01	22.84	22.84	7 / 4			
	reaction time	0.170	interval	5.23	5.83	<b>PB</b>	# 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	
<b>Rosa, Vitoria Cristina (BRA) (1995)</b>	time	6.52	11.79	17.21	23.03	23.03	3 / 5			
	reaction time	0.189	interval	5.27	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	
<b>Atcho, Sarah (SUI) (1995)</b>	time	6.45	11.66	17.15	23.18	23.18	8 / 6			
	reaction time	0.150	interval	5.21	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	
<b>Samuel, Jamile (NED) (1992)</b>	time	6.56	11.94	17.50	23.45	23.45	2 / 7			
	reaction time	0.155	interval	5.38	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	
<b>Wessolly, Jessica-Bianca (GER) (1995)</b>	time	6.74	12.21	17.91	24.04	24.04	1 / 8			
	reaction time	0.187	interval	5.47	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
<b>Kimishima, Arisa (JPN) (1995)</b>	time	6.40	11.72	17.26	23.17	23.17	7 / 1			
	reaction time	0.184	interval	5.32	5.91	<b>PB</b>	# 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	
<b>Tsuruta, Remi (JPN) (1997)</b>	time	6.50	11.81	17.42	23.49	23.49	2 / 2			
	reaction time	0.170	interval	5.31	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	
<b>Kuboyama, Haruna (JPN) (1996)</b>	time	6.43	11.76	17.41	23.57	23.57	5 / 3			
	reaction time	0.175	interval	5.33	6.16	<b>PB</b>	# 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	
<b>Aono, Shuri (JPN) (2000)</b>	time	6.50	11.77	17.38	23.59	23.59	6 / 4			
	reaction time	0.142	interval	5.27	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
<b>Sugimoto, Miu (JPN) (2006)</b>	time	6.70	12.25	17.99	23.96	23.96	6 / 1			
	reaction time	0.162	interval	5.55	5.97	<b>PB</b>	# 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	
<b>Kurashige, Miu (JPN) (2004)</b>	time	6.49	11.91	17.70	23.96	23.96	5 / 2			
	reaction time	0.160	interval	5.42	6.26		# of strides	11.91	12.05	-0.14

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

velocity	7.70	9.23	8.64	7.99	8.35	99.0	8.40	8.30
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<b>Yamakoshi, Riko (JPN) (2004)</b>	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 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
<b>Jackson, Shericka (JAM) (1994)</b>	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	
<b>Strachan, Anthonique (BAH) (1991)</b>	time	6.29	11.40	16.61	22.15	22.15	4 / 2			
reaction time	0.140	interval	5.11	5.21	5.54	<b>PB</b>	# 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	
<b>Davis, Tamari (USA) (2003)</b>	time	6.13	11.22	16.48	22.30	22.30	5 / 3			
reaction time	0.123	interval	5.09	5.26	5.82	<b>PB</b>	# of strides	11.22	11.08	0.14
	velocity	8.16	9.82	9.51	8.59	8.97	91.5	8.91	9.03	
<b>White, Kayla (USA) (1996)</b>	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	
<b>Hemida, Bassant (EGY) (1996)</b>	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	
<b>Kielbasinska, Anna (POL) (1990)</b>	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	
<b>Bass, Gina (GAM) (1995)</b>	time	6.43	11.81	17.35	23.44	23.44	2 / 7			
reaction time	0.161	interval	5.38	5.54	6.09		# of strides	11.81	11.63	0.18
	velocity	7.78	9.29	9.03	8.21	8.53	103.2	8.47	8.60	
<b>Sevilla, Paula (ESP) (1997)</b>	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
<b>El Hachimi, Sara (MAR) (2000)</b>	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	
<b>Lehlali, Salma (MAR) (2003)</b>	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	
<b>Nouiri, Houda (MAR) (1998)</b>	time	7.01	12.77	18.67	25.01	25.01	6 / 3			
reaction time	0.234	interval	5.76	5.90	6.34	<b>PB</b>	# of strides	12.77	12.24	0.53
	velocity	7.13	8.68	8.47	7.89	8.00		7.83	8.17	
<b>Doha, Razki (MAR) (2001)</b>	time	6.94	12.73	18.81	25.45	25.45	7 / 4			
reaction time	0.210	interval	5.79	6.08	6.64	<b>PB</b>	# of strides	12.73	12.72	0.01
	velocity	7.20	8.64	8.22	7.53	7.86		7.86	7.86	
<b>Ghalla, Kenza (MAR) (2004)</b>	time	7.20	13.15	19.35	26.09	26.09	1 / 5			
reaction time	0.202	interval	5.95	6.20	6.74	<b>PB</b>	# of strides	13.15	12.94	0.21
	velocity	6.94	8.40	8.06	7.42	7.67		7.60	7.73	
<b>Dahmani, Ghita (MAR) (2005)</b>	time	7.15	13.12	19.34	26.12	26.12	2 / 6			
reaction time	0.170	interval	5.97	6.22	6.78	<b>PB</b>	# of strides	13.12	13.00	0.12
	velocity	6.99	8.38	8.04	7.37	7.66		7.62	7.69	

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

<b>El Houma, Hiba (MAR) (2005)</b>	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	
<b>Makrazi, Imane (MAR) (2002)</b>	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
<b>石倉 珠妃</b>	time			★	12.77	★	25.54	★	25.54	★	4 / 1	
reaction time												
	interval					-12.77	25.54		# of strides	12.77	12.77	0.00
	velocity				7.83	-3.92	1.96	7.83		7.83	7.83	
<b>永岡 璃紗</b>	time				12.92		25.60	25.60	3 / 2			
reaction time									# of strides	12.92	12.68	0.24
	interval					-12.92	25.60			12.92	12.68	
	velocity				7.74	-3.87	1.95	7.81		7.74	7.89	
<b>畑 心海</b>	time				12.72		25.62	25.62	6 / 3			
reaction time									# of strides	12.72	12.90	-0.18
	interval					-12.72	25.62			12.72	12.90	
	velocity				7.86	-3.93	1.95	7.81		7.86	7.75	
<b>長岡 芽依</b>	time				13.03		26.20	26.20	5 / 4			
reaction time									# of strides	13.03	13.17	-0.14
	interval					-13.03	26.20			13.03	13.17	
	velocity				7.67	-3.84	1.91	7.63		7.67	7.59	
<b>玉木 麻裕</b>	time				13.05		26.30	26.30	7 / 5			
reaction time									# of strides	13.05	13.25	-0.20
	interval					-13.05	26.30			13.05	13.25	
	velocity				7.66	-3.83	1.90	7.60		7.66	7.55	
<b>八澤 蒼空</b>	time				13.21		26.55	26.55	8 / 6			
reaction time									# of strides	13.21	13.34	-0.13
	interval					-13.21	26.55			13.21	13.34	
	velocity				7.57	-3.79	1.88	7.53		7.57	7.50	
<b>陶山 菜瑠</b>	time				13.31		27.10	27.10	1 / 7			
reaction time									# of strides	13.31	13.79	-0.48
	interval					-13.31	27.10			13.31	13.79	
	velocity				7.51	-3.76	1.85	7.38		7.51	7.25	
<b>三島 実咲</b>	time				13.60		27.45	27.45	2 / 8			
reaction time									# of strides	13.60	13.85	-0.25
	interval					-13.60	27.45			13.60	13.85	
	velocity				7.35	-3.68	1.82	7.29		7.35	7.22	

## 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	
<b>Yamasaki, Yuki (JPN) (1995)</b>	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	
<b>Odama, Karin (JPN) (1999)</b>	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	
<b>Jackson, Shericka (JAM) (1994)</b>	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	
<b>Thomas, Gabrielle (USA) (1996)</b>	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	

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



<b>Clark, Tamara (USA) (1999)</b>	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
<b>Prandini, Jenna (USA) (1992)</b>	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
<b>Kambundji, Mujinga (SUI) (1992)</b>	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
<b>Gaither, TyNia (BAH) (1993)</b>	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
<b>Karstoft, Ida (DEN) (1995)</b>	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
<b>Dobbin, Beth (GBR) (1994)</b>	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 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
<b>Pointet, Léonie (SUI) (2001)</b>	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	
<b>Niederberfer, Julia (SUI) (2000)</b>	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	
<b>Atcho, Sarah (SUI) (1995)</b>	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	
<b>Bürgi, Céline (SUI) (1999)</b>	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	
<b>Furler, Selina (SUI) (2003)</b>	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	
<b>Halbheer, Cornelia (SUI) (1992)</b>	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	
<b>Ambrosini, Coralie (SUI) (1997)</b>	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	
<b>Caligiuri, Iris (SUI) (2003)</b>	time	6.6	12.1	18.0	24.39	24.39	1 / 8			
reaction time	0.127	interval	5.50	5.90	6.39	<b>=PB</b>	# 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
<b>Kambundji, Mujinga (SUI) (1992)</b>	0.164	no information available				22.32	3 / 1		# of strides	102.0
<b>Asher-Smith, Dina (GBR) (1995)</b>	0.147	no information available				22.43	5 / 2		# of strides	95.2

<b>Karstoft, Ida (DEN) (1995)</b>	0.255	no information available	22.72	6 / 3	# of strides	89.2
<b>Williams, Jodie (GBR) (1993)</b>	0.170	no information available	22.85	8 / 4	# of strides	96.5
<b>Klaver, Lieke (NED) (1998)</b>	0.164	no information available	22.88	4 / 5	# of strides	93.5
<b>Grebo, Shana (FRA) (2000)</b>	0.176	no information available	23.06	7 / 6	# of strides	95.0
<b>Kaddari, Dalia (ITA) (2001)</b>	0.165	no information available	23.19	2 / 7	# of strides	98.2
<b>Burghardt, Alexandra (GER) (1995)</b>	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
<b>Jackson, Shericka (JAM) (1994)</b>	time			6.23	11.22	16.35	21.84	21.84	6 / 1			
	reaction time	0.173	interval		4.99	5.13	5.49		# of strides	11.22	10.62	0.60
	velocity			8.03	10.02	9.75	9.11	9.16	94.6	8.91	9.42	
<b>Miller-Uibo, Shaunae (BAH) (1993)</b>	time			6.34	11.43	16.69	22.35	22.35	9 / 2			
	reaction time	0.156	interval		5.09	5.26	5.66		# of strides	11.43	10.92	0.51
	velocity			7.89	9.82	9.51	8.83	8.95	89.0	8.75	9.16	
<b>Prandini, Jenna (USA) (1992)</b>	time			6.25	11.24	16.52	22.39	22.39	5 / 3			
	reaction time	0.168	interval		4.99	5.28	5.87		# of strides	11.24	11.15	0.09
	velocity			8.00	10.02	9.47	8.52	8.93	95.7	8.90	8.97	
<b>Gaither, TyNia (BAH) (1993)</b>	time			6.39	11.53	16.88	22.70	22.70	3 / 4			
	reaction time	0.155	interval		5.14	5.35	5.82		# of strides	11.53	11.17	0.36
	velocity			7.82	9.73	9.35	8.59	8.81	102.0	8.67	8.95	
<b>Karstoft, Ida (DEN) (1995)</b>	time			6.45	11.61	16.99	22.80	22.80	2 / 5			
	reaction time	0.154	interval		5.16	5.38	5.81		# of strides	11.61	11.19	0.42
	velocity			7.75	9.69	9.29	8.61	8.77	90.2	8.61	8.94	
<b>Clark, Tamara (USA) (1999)</b>	time			6.28	11.43	16.86	22.82	22.82	4 / 6			
	reaction time	0.165	interval		5.15	5.43	5.96		# of strides	11.43	11.39	0.04
	velocity			7.96	9.71	9.21	8.39	8.76	102.2	8.75	8.78	
<b>Thomas, Gabrielle (USA) (1996)</b>	time			6.29	11.44	16.87	22.86	22.86	7 / 7			
	reaction time	0.149	interval		5.15	5.43	5.99		# of strides	11.44	11.42	0.02
	velocity			7.95	9.71	9.21	8.35	8.75	90.0	8.74	8.76	
<b>Rosa, Vitoria Cristina (BRA) (1993)</b>	time			6.44	11.63	17.03	22.89	22.89	8 / 8			
	reaction time	0.172	interval		5.19	5.40	5.86		# of strides	11.63	11.26	0.37
	velocity			7.76	9.63	9.26	8.53	8.74	94.2	8.60	8.88	
<b>Horowska, Nikola (POL) (2001)</b>	time			6.51	11.82	17.40	23.44	23.44	1 / 9			
	reaction time	0.142	interval		5.31	5.58	6.04		# of strides	11.82	11.62	0.20
	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
<b>Thompson-Herah, Elaine (JAM) (2002)</b>	time			6.1	11.1	16.3	22.02	22.02	7 / 1			
	reaction time	0.173	interval		5.00	5.20	5.72	CR	# of strides	11.10	10.92	0.18
	velocity			8.20	10.00	9.62	8.74	9.08	97.0	9.01	9.16	
<b>Ofili, Favour (NGR) (2002)</b>	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	
<b>Mboma, Christine (NAM) (2003)</b>	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	
<b>Whyte, Natalliah (JAM) (1997)</b>	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	

<b>Bass, Gina (GAM) (1995)</b>	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
<b>Connolly, Ella (AUS) (2000)</b>	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
<b>McDonald, Natassha (CAN) (1991)</b>	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
<b>Dobbin, Beth (GBR) (1994)</b>	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

## 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
<b>Kojima, Yuzuki (JPN) (2004)</b>	time	7.35	12.30	18.01	24.32	24.32	6 / 1						
reaction time	0.154	interval	4.95	5.71	6.31	<b>PB</b>	# of strides	12.30	12.02	0.28			
		velocity	6.80	10.10	8.76	7.92	8.22	8.13	8.32				
<b>Kobari, Akiha (JPN) (2006)</b>	time	7.34	12.35	18.03	24.42	24.42	9 / 2						
reaction time	0.160	interval	5.01	5.68	6.39	<b>PB</b>	# of strides	12.35	12.07	0.28			
		velocity	6.81	9.98	8.80	7.82	8.19	8.10	8.29				
<b>Satou, Aoi (JPN) (2004)</b>	time	7.31	12.32	18.11	24.66	24.66	4 / 3						
reaction time	0.170	interval	5.01	5.79	6.55		# of strides	12.32	12.34	-0.02			
		velocity	6.84	9.98	8.64	7.63	8.11	8.12	8.10				
<b>Yamagata, Aiha (JPN) (2005)</b>	time	7.39	12.43	18.23	24.72	24.72	3 / 4						
reaction time	0.284	interval	5.04	5.80	6.49		# of strides	12.43	12.29	0.14			
		velocity	6.77	9.92	8.62	7.70	8.09	8.05	8.14				
<b>Kurashige, Miu (JPN) (2004)</b>	time	7.24	12.27	18.15	24.74	24.74	5 / 5						
reaction time	0.166	interval	5.03	5.88	6.59		# of strides	12.27	12.47	-0.20			
		velocity	6.91	9.94	8.50	7.59	8.08	8.15	8.02				
<b>Komatsu, Konomi (JPN) (2004)</b>	time	7.39	12.47	18.29	24.75	24.75	8 / 6						
reaction time	0.201	interval	5.08	5.82	6.46		# of strides	12.47	12.28	0.19			
		velocity	6.77	9.84	8.59	7.74	8.08	8.02	8.14				
<b>Sakamoto, Minami (JPN) (2006)</b>	time	7.29	12.40	18.26	24.79	24.79	7 / 7						
reaction time	0.160	interval	5.11	5.86	6.53		# of strides	12.40	12.39	0.01			
		velocity	6.86	9.78	8.53	7.66	8.07	8.06	8.07				
<b>Sasaki, Nao (JPN) (2005)</b>	time	7.42	12.50	18.35	24.95	24.95	2 / 8						
reaction time	0.177	interval	5.08	5.85	6.60		# of strides	12.50	12.45	0.05			
		velocity	6.74	9.84	8.55	7.58	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
<b>Jackson, Shericka (JAM) (1994)</b>	time		11.04		21.45	21.45	4 / 1						
reaction time	0.144	interval			10.41	<b>CR NR PB</b>	# of strides	11.04	10.41	0.63			
		velocity			9.06	9.61	9.32	93.2	9.06	9.61			
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	time		11.03		21.81	21.81	6 / 2						
reaction time	0.145	interval			10.78		# of strides	11.03	10.78	0.25			
		velocity			9.07	9.28	9.17	98.0	9.07	9.28			
<b>Asher-Smith, Dina (GBR) (1995)</b>	time		11.08		22.02	22.02	3 / 3						
reaction time	0.125	interval			10.94		# of strides	11.08	10.94	0.14			
		velocity			9.03	9.14	9.08	95.0	9.03	9.14			



<b>Seyni, Aminatou (NIG) (1996)</b>	time	11.29	22.12	22.12	7 / 4				
reaction time	0.195	interval	10.83		# of strides	11.29	10.83	0.46	
		velocity	8.86	9.04	93.7	8.86	9.23		
<b>Steiner, Abby (USA) (1999)</b>	time	11.28	22.26	22.26	8 / 5				
reaction time	0.200	interval	10.98		# of strides	11.28	10.98	0.30	
		velocity	8.87	8.98	104.0	8.87	9.11		
<b>Clark, Tamara (USA) (1999)</b>	time	11.33	22.32	22.32	5 / 6				
reaction time	0.197	interval	10.99		# of strides	11.33	10.99	0.34	
		velocity	8.83	8.96	101.0	8.83	9.10		
<b>Thompson-Herah, Elaine (JAM)</b>	time	11.36	22.39	22.39	2 / 7				
reaction time	0.139	interval	11.03		# of strides	11.36	11.03	0.33	
		velocity	8.80	8.93	97.0	8.80	9.07		
<b>Kambundji, Mujinga (SUI) (1992)</b>	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	8.87	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
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	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	
<b>Steiner, Abby (USA) (1999)</b>	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	
<b>Ofili, Favour (NGR) (2002)</b>	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	
<b>Suarez, Gabriela Anahi (ECU) (2002)</b>	time		11.39		22.74	22.74	3 / 4			
reaction time	0.142	interval			11.35	<b>NR PB</b>	# of strides	11.39	11.35	0.04
		velocity	8.78		8.81	8.80	99.7	8.78	8.81	
<b>Karstoft, Ida (DEN) (1995)</b>	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	
<b>Kaddari, Dalia (ITA) (2001)</b>	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	
<b>Wessolly, Jessica-Bianca (GER) (2001)</b>	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	
<b>Lloyd, Joella (ANT) (2002)</b>	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
<b>Clark, Tamara (USA) (1999)</b>	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	
<b>Asher-Smith, Dina (GBR) (1995)</b>	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	
<b>Thompson-Herah, Elaine (JAM) (2002)</b>	time		11.23		21.97	21.97	6 / 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	0.157	interval		10.74		# of strides	11.23	10.74	0.49
velocity			8.90	9.31	9.10	97.0	8.90	9.31	
<b>Rosa, Vitoria Cristina (BRA) (19)</b>	time		11.63	22.47	22.47	7 / 4			
reaction time	0.155	interval		10.84	<b>NR PB</b>	# of strides	11.63	10.84	0.79
velocity			8.60	9.23	8.90	94.5	8.60	9.23	
<b>Nwokocha, Grace (NGR) (2001)</b>	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	
<b>Gbai, Jessika (CIV) (1998)</b>	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	
<b>Odiog, Ofonime (BRN) (1997)</b>	time		11.73	23.31	23.31	1 / 7			
reaction time	0.160	interval		11.58		# of strides	11.73	11.58	0.15
velocity			8.53	8.64	8.58	98.0	8.53	8.64	
<b>Masilingi, Beatrice (NAM) (2003)</b>	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
<b>Jackson, Shericka (JAM) (1994)</b>	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	
<b>Seyni, Aminatou (NIG) (1996)</b>	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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	time			11.23		22.05	22.05	6 / 3			
reaction time	0.125	interval				10.82	<b>NR PB</b>	# of strides	11.23	10.82	0.41
velocity			8.90			9.24	9.07	101.0	8.90	9.24	
<b>Prandini, Jenna (USA) (1992)</b>	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	
<b>Gaither, TyNia (BAH) (1993)</b>	time			11.51		22.41	22.41	8 / 5			
reaction time	0.152	interval				10.90	<b>PB</b>	# of strides	11.51	10.90	0.61
velocity			8.69			9.17	8.92	101.5	8.69	9.17	
<b>Bass, Gina (GAM) (1995)</b>	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	
<b>Chukwuma, Rosemary (NGR) (2002)</b>	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	
<b>Beecher, Jacinta (AUS) (1998)</b>	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
<b>Ofil, Favour (NGR) (2002)</b>	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	
<b>Prandini, Jenna (USA) (1992)</b>	time			11.29		23.38	23.38	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	

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

<b>Beecher, Jacinta (AUS) (1998)</b>	time	11.61	23.22	23.22	3 / 3				
reaction time	0.133	interval	11.61	11.61	# of strides	11.61	11.61	0.00	
		velocity	8.61	8.61	95.0	8.61	8.61		
<b>Fotopoulou, Oliva (CYP) (1996)</b>	time	11.70	23.25	23.25	5 / 4				
reaction time	0.128	interval	11.55	11.55	# of strides	11.70	11.55	0.15	
		velocity	8.55	8.66	99.5	8.55	8.66		
<b>Léger, Catherine (CAN) (2000)</b>	time	11.76	23.35	23.35	7 / 5				
reaction time	0.133	interval	11.59	11.59	# of strides	11.76	11.59	0.17	
		velocity	8.50	8.63	102.2	8.50	8.63		
<b>Hulls, Georgia (NZL) (1999)</b>	time	11.74	23.46	23.46	6 / 6				
reaction time	0.136	interval	11.72	11.72	# of strides	11.74	11.72	0.02	
		velocity	8.52	8.53	97.5	8.52	8.53		
<b>Barakat, Hanna (PLE) (1999)</b>	time	13.56	26.33	26.33	1 / 7				
reaction time	0.184	interval	12.77	12.77	# of strides	13.56	12.77	0.79	
		velocity	7.37	7.83	7.60	7.37	7.83		
<b>Strachan, Anthonique (BAH) (1999)</b>	time	11.34	1:50.06	1:50.06	8 / 8				
reaction time	0.114	interval	98.72	98.72	# of strides	11.34	98.72	-87.38	
		velocity	8.82	1.01		8.82	1.01		

## 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
<b>Steiner, Abby (USA) (1999)</b>	time	11.34	22.26	22.26	5 / 1					
reaction time	0.143	interval	10.92	10.92	# of strides	11.34	10.92	0.42		
		velocity	8.82	9.16	8.98	101.0	8.82	9.16		
<b>Kambundji, Mujinga (SUI) (1992)</b>	time	11.39	22.34	22.34	6 / 2					
reaction time	0.119	interval	10.95	10.95	# of strides	11.39	10.95	0.44		
		velocity	8.78	9.13	8.95	98.0	8.78	9.13		
<b>Nwokocha, Grace (NGR) (2001)</b>	time	11.50	22.61	22.61	4 / 3					
reaction time	0.182	interval	11.11	11.11	# of strides	11.50	11.11	0.39		
		velocity	8.70	9.00	8.85	96.0	8.70	9.00		
<b>Gale, Lauren (CAN) (2000)</b>	time	11.74	23.08	23.08	7 / 4					
reaction time	0.138	interval	11.34	11.34	# of strides	11.74	11.34	0.40		
		velocity	8.52	8.82	8.67	93.7	8.52	8.82		
<b>Connolly, Ella (AUS) (2000)</b>	time	11.62	23.27	23.27	3 / 5					
reaction time	0.136	interval	11.65	11.65	# of strides	11.62	11.65	-0.03		
		velocity	8.61	8.58	8.59	95.0	8.61	8.58		
<b>Koné, Maboundou (CIV) (1997)</b>	time	11.74	23.32	23.32	2 / 6					
reaction time	0.176	interval	11.58	11.58	# of strides	11.74	11.58	0.16		
		velocity	8.52	8.64	8.58	99.2	8.52	8.64		
<b>Defreitas, Beyonce (IVB) (2001)</b>	time	11.91	23.81	23.81	8 / 7					
reaction time	0.191	interval	11.90	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

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
<b>Clark, Tamara (USA) (1999)</b>	time	11.30	22.27	22.27	3 / 1					
reaction time	0.154	interval	10.97	10.97	# of strides	11.30	10.97	0.33		
		velocity	8.85	9.12	8.98	99.0	8.85	9.12		
<b>Asher-Smith, Dina (GBR) (1995)</b>	time	11.45	22.56	22.56	2 / 2					
reaction time	0.129	interval	11.11	11.11	# of strides	11.45	11.11	0.34		
		velocity	8.73	9.00	8.87	94.0	8.73	9.00		
<b>Gaither, TyNia (BAH) (1993)</b>	time	11.65	22.61	22.61	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	0.209	interval		10.96		# of strides	11.65	10.96	0.69
		velocity	8.58	9.12	8.85	102.0	8.58	9.12	
<b>Bass, Gina (GAM) (1995)</b>	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	
<b>Gbai, Jessika (CIV) (1998)</b>	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	
<b>Azevedo, Ana Carolina (BRA) (</b>	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	
<b>Nekhubui, Shirley (RSA) (2000)</b>	time		11.84	23.46	23.46	7 / 7			
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
<b>Seyni, Aminatou (NIG) (1996)</b>	time			11.50		21.98	21.98	6 / 1			
reaction time	0.174	interval				10.48	<b>NR PB</b>	# of strides	11.50	10.48	1.02
		velocity		8.70		9.54	9.10	94.0	8.70	9.54	
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	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		8.80		9.18	8.98	94.5	8.80	9.18	
<b>Rosa, Vitoria Cristina (BRA) (19</b>	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		8.58		8.94	8.76	94.7	8.58	8.94	
<b>Dobbin, Beth (GBR) (1994)</b>	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		8.55		8.82	8.68	98.2	8.55	8.82	
<b>Vervae, Imke (BEL) (1993)</b>	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		8.38		8.81	8.59	100.2	8.38	8.81	
<b>Pereira, Veronica Shanti (SGP) (</b>	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		8.33		8.67	8.50	98.0	8.33	8.67	
<b>Slettum, Elisabeth (NOR) (1986)</b>	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		8.37		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
<b>Masingi, Beatrice (NAM) (2003)</b>	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		8.72		9.26	8.98	91.0	8.72	9.26	
<b>Thompson-Herah, Elaine (JAM)</b>	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		8.77		9.08	8.92	97.0	8.77	9.08	
<b>Karstoft, Ida (DEN) (1995)</b>	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		8.54		8.98	8.75	90.2	8.54	8.98	
<b>Lloyd, Joella (ANT) (2002)</b>	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		8.50		8.90	8.70	98.5	8.50	8.90	

<b>Junk, Sophie (GER) (1999)</b>	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	8.58	8.61	8.59	101.0	8.58	8.61	
<b>Bazolo, Loréne Dorcas (POR) (1999)</b>	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	8.55	8.54	8.54	99.5	8.55	8.54	
<b>Kortetmaa, Annlina (FIN) (1995)</b>	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	8.49	8.53	8.51	100.0	8.49	8.53	
<b>Martins, Lorraine (BRA) (2000)</b>	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	8.43	8.52	8.47	107.0	8.43	8.52	

## 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
<b>Jackson, Shericka (JAM) (1994)</b>	time		11.31		22.33	22.33	5 / 1			
reaction time	0.164	interval			11.02		# of strides	11.31	11.02	0.29
		velocity	8.84	9.07	8.96	93.7	8.84	9.07		
<b>Suarez, Gabriela Anahi (ECU) (2001)</b>	time		11.57		22.56	22.56	2 / 2			
reaction time	0.129	interval			10.99		# of strides	11.57	10.99	0.58
		velocity	8.64	9.10	8.87	99.0	8.64	9.10		
<b>Kaddari, Dalia (ITA) (2001)</b>	time		11.60		22.75	22.75	4 / 3			
reaction time	0.143	interval			11.15		# of strides	11.60	11.15	0.45
		velocity	8.62	8.97	8.79	97.0	8.62	8.97		
<b>Wessolly, Jessica-Bianca (GER) (1999)</b>	time		11.73		22.87	22.87	6 / 4			
reaction time	0.159	interval			11.14		# of strides	11.73	11.14	0.59
		velocity	8.53	8.98	8.75	96.0	8.53	8.98		
<b>Chukwuma, Rosemary (NGR) (2001)</b>	time		11.68		22.93	22.93	3 / 5			
reaction time	0.189	interval			11.25		# of strides	11.68	11.25	0.43
		velocity	8.56	8.89	8.72	101.0	8.56	8.89		
<b>Odiong, Ofonime (BRN) (1997)</b>	time		11.61		22.98	22.98	8 / 6			
reaction time	0.157	interval			11.37		# of strides	11.61	11.37	0.24
		velocity	8.61	8.80	8.70	96.0	8.61	8.80		
<b>Safronova, Olga (KAZ) (1991)</b>	time		11.58		23.50	23.50	7 / 7			
reaction time	0.108	interval			11.92		# of strides	11.58	11.92	-0.34
		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
<b>Hall, Anna (USA) (2001)</b>	time		11.81		23.08	23.08	4 / 1			
reaction time	0.147	interval			11.27	<b>PB</b>	# of strides	11.81	11.27	0.54
		velocity	8.47	8.87	8.67	8.67	91.2	8.47	8.87	
<b>Johnson-Thompson, Katarina (2001)</b>	time		11.99		23.62	23.62	2 / 2			
reaction time	0.145	interval			11.63		# of strides	11.99	11.63	0.36
		velocity	8.34	8.60	8.47	90.2	8.34	8.60		
<b>Vetter, Anouk (NED) (1993)</b>	time		12.18		23.73	23.73	8 / 3			
reaction time	0.168	interval			11.55		# of strides	12.18	11.55	0.63
		velocity	8.21	8.66	8.43	95.0	8.21	8.66		
<b>Sulek, Adrianna (POL) (1999)</b>	time		12.20		23.77	23.77	5 / 4			
reaction time	0.167	interval			11.57	<b>PB</b>	# of strides	12.20	11.57	0.63
		velocity	8.20	8.64	8.41	99.5	8.20	8.64		
<b>Vidts, Noor (BEL) (1996)</b>	time		12.26		23.92	23.92	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	0.166	interval		11.66		# of strides	12.26	11.66	0.60
velocity			8.16	8.58	8.36	94.0	8.16	8.58	
<b>Atherley, Michelle (USA) (1995)</b>	time		12.09	23.97	23.97	1 / 6			
reaction time	0.134	interval		11.88		# of strides	12.09	11.88	0.21
velocity			8.27	8.42	8.34	91.0	8.27	8.42	
<b>Weißenberg, Sophie (GER) (1999)</b>	time		12.20	24.06	24.06	3 / 7			
reaction time	0.152	interval		11.86		# of strides	12.20	11.86	0.34
velocity			8.20	8.43	8.31	93.0	8.20	8.43	
<b>Williams, Kendell (USA) (1995)</b>	time		12.63	25.27	25.27	6 / 8			
reaction time	0.153	interval		12.64		# of strides	12.63	12.64	-0.01
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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kälin, Annik (SUI) (2000)</b>	time			12.03		24.05	24.05	8 / 1			
reaction time	0.142	interval				12.02		# of strides	12.03	12.02	0.01
velocity			8.31	8.32	8.32	101.0	8.31	8.32			
<b>Thiam, Nafissatou (BEL) (1994)</b>	time			12.35		24.39	24.39	2 / 2			
reaction time	0.138	interval				12.04		# of strides	12.35	12.04	0.31
velocity			8.10	8.31	8.20	91.0	8.10	8.31			
<b>Oosterwegel, Emma (NED) (1999)</b>	time			12.58		24.43	24.43	3 / 3			
reaction time	0.198	interval				11.85		# of strides	12.58	11.85	0.73
velocity			7.95	8.44	8.19	96.5	7.95	8.44			
<b>Ligarska, Paulina (POL) (1996)</b>	time			12.50		24.65	24.65	5 / 4			
reaction time	0.159	interval				12.15	<b>PB</b>	# of strides	12.50	12.15	0.35
velocity			8.00	8.23	8.11	88.0	8.00	8.23			
<b>Conte, Claudia (ESP) (1999)</b>	time			12.45		24.77	24.77	4 / 5			
reaction time	0.163	interval				12.32	<b>PB</b>	# of strides	12.45	12.32	0.13
velocity			8.03	8.12	8.07	100.0	8.03	8.12			
<b>Krizsán, Xénia (HUN) (1993)</b>	time			12.53		24.82	24.82	6 / 6			
reaction time	0.143	interval				12.29		# of strides	12.53	12.29	0.24
velocity			7.98	8.14	8.06	93.2	7.98	8.14			
<b>Zamzow-Mahler, Ashtin (USA)</b>	time			12.25		25.15	25.15	7 / 7			
reaction time	0.170	interval				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
<b>Asher-Smith, Dina (GBR) (1995)</b>	time			6.10		11.15	11.15	5 / 1			
reaction time	0.158	interval				5.05		# 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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	time			6.17		11.23	11.23	6 / 2			
reaction time	0.129	interval				5.06		# 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	
<b>Karstoft, Ida (DEN) (1995)</b>	time			6.37		11.51	11.51	7 / 3			
reaction time	0.176	interval				5.14		# 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	
<b>Gaither, TyNia (BAH) (1993)</b>	time			6.35		11.53	11.53	4 / 4			
reaction time	0.156	interval				5.18		# 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	
<b>Bass, Gina (GAM) (1995)</b>	time			6.31		11.49	11.49	3 / 5			
reaction time	0.152	interval				5.18		# of strides	11.49	11.82	-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	7.92	9.65	9.01	7.97	8.58	103.7	8.70	8.46	
<b>Del Ponte, Ajla (SUI) (1996)</b>	time	6.32	11.50	17.12	23.41	23.41	2 / 6			
	reaction time	0.140	interval	5.18	5.62	6.29	# of strides	11.50	11.91	-0.41
	velocity	7.91	9.65	8.90	7.95	8.54	101.0	8.70	8.40	
<b>Henriksson, Julia (SWE) (2000)</b>	time	6.52	11.83	17.41	23.57	23.57	8 / 7			
	reaction time	0.186	interval	5.31	5.58	6.16	# of strides	11.83	11.74	0.09
	velocity	7.67	9.42	8.96	8.12	8.49	99.0	8.45	8.52	
<b>Lilja, Lisa (SWE) (1996)</b>	time	6.55	11.94	17.61	23.78	23.78	1 / 8			
	reaction time	0.142	interval	5.39	5.67	6.17	# of strides	11.94	11.84	0.10
	velocity	7.63	9.28	8.82	8.10	8.41	100.0	8.38	8.45	

**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
<b>Jackson, Shericka (JAM) (1994)</b>	time	6.19	11.18	16.35	21.91	21.91	4 / 1			
	reaction time	0.158	interval	4.99	5.17	5.56	# of strides	11.18	10.73	0.45
	velocity	8.08	10.02	9.67	8.99	9.13	95.0	8.94	9.32	
<b>Thompson-Herah, Elaine (JAM)</b>	time	6.20	11.16	16.45	22.25	22.25	6 / 2			
	reaction time	0.176	interval	4.96	5.29	5.80	# of strides	11.16	11.09	0.07
	velocity	8.06	10.08	9.45	8.62	8.99	99.0	8.96	9.02	
<b>Asher-Smith, Dina (GBR) (1995)</b>	time	6.15	11.21	16.50	22.27	22.27	5 / 3			
	reaction time	0.156	interval	5.06	5.29	5.77	# of strides	11.21	11.06	0.15
	velocity	8.13	9.88	9.45	8.67	8.98	95.2	8.92	9.04	
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	time	6.40	11.53	16.81	22.48	22.48	7 / 4			
	reaction time	0.142	interval	5.13	5.28	5.67	# of strides	11.53	10.95	0.58
	velocity	7.81	9.75	9.47	8.82	8.90	89.7	8.67	9.13	
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	time	6.30	11.46	16.86	22.77	22.77	2 / 5			
	reaction time	0.182	interval	5.16	5.40	5.91	# of strides	11.46	11.31	0.15
	velocity	7.94	9.69	9.26	8.46	8.78	101.2	8.73	8.84	
<b>Kambundji, Mujinga (SUI) (1992)</b>	time	6.26	11.43	16.88	22.80	22.80	3 / 6			
	reaction time	0.147	interval	5.17	5.45	5.92	# of strides	11.43	11.37	0.06
	velocity	7.99	9.67	9.17	8.45	8.77	101.0	8.75	8.80	
<b>Felix, Allyson (USA) (1985)</b>	time	6.36	11.53	16.99	22.97	22.97	8 / 7			
	reaction time	0.159	interval	5.17	5.46	5.98	# of strides	11.53	11.44	0.09
	velocity	7.86	9.67	9.16	8.36	8.71	94.0	8.67	8.74	
<b>Kaddari, Dalia (ITA) (2001)</b>	time	6.44	11.66	17.22	23.29	23.29	9 / 8			
	reaction time	0.148	interval	5.22	5.56	6.07	# of strides	11.66	11.63	0.03
	velocity	7.76	9.58	8.99	8.24	8.59	97.7	8.58	8.60	
<b>Dobbin, Beth (GBR) (1994)</b>	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**

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
<b>Lahlali, Salma (MAR) (2003)</b>	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	
<b>Nafea, Amal (MAR) (2002)</b>	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	
<b>Rammak, Saida (MAR) (1994)</b>	time	7.03	12.98	19.31	26.14	26.14	5 / 3			

reaction time	0.172	interval	5.95	6.33	6.83	<b>PB</b>	# of strides	12.98	13.16	-0.18
velocity	7.11	8.40	7.90	7.32	7.65			7.70	7.60	
<b>Dahmani, Ghita (MAR) (2005)</b>	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	
<b>El Ouarrat, Salma (MAR) (2002)</b>	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	
<b>El Houma, Hiba (MAR) (2005)</b>	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	
<b>Hobaiba, Safae (MAR) (2004)</b>	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

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
<b>Hemphill, Meg (JPN) (1996)</b>	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	
<b>Yamasaki, Yuki (JPN) (1995)</b>	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	
<b>Odama, Karin (JPN) (1999)</b>	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
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	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	
<b>Brown, Brittany (USA) (1995)</b>	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	
<b>Strachan, Anthonique (BAH) (1999)</b>	time	6.33	11.52	16.98	22.76	22.76	8 / 3			
reaction time	0.146	interval	5.19	5.46	5.78		# of strides	11.52	11.24	0.28
velocity	7.90	9.63	9.16	8.65	8.79		89.6	8.68	8.90	
<b>Prandini, Jenna (USA) (1992)</b>	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	
<b>Clark, Tamara (USA) (1999)</b>	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	
<b>Sturgis, Cambrea (USA) (1999)</b>	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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	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	

<b>Bryant, Dezerea (USA) (1993)</b>	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	
<b>Jackson, Shawnti (USA) (2005)</b>	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
<b>村上 玉藻</b>	time		12.87		25.88	25.88	5 / 1				
	reaction time		★	★	-12.87	25.88	# of strides	12.87	13.01	-0.14	
	velocity		7.77	-3.89	1.93	7.73	★	7.77	7.69		
<b>榊原 そら</b>	time		13.30		26.38	26.38	7 / 2				
	reaction time				-13.30	26.38	# of strides	13.30	13.08	0.22	
	velocity		7.52	-3.76	1.90	7.58		7.52	7.65		
<b>増村 小雪</b>	time		13.48		26.84	26.84	4 / 3				
	reaction time				-13.48	26.84	# of strides	13.48	13.36	0.12	
	velocity		7.42	-3.71	1.86	7.45		7.42	7.49		
<b>森吉 日向</b>	time		13.56		27.01	27.01	9 / 4				
	reaction time				-13.56	27.01	# of strides	13.56	13.45	0.11	
	velocity		7.37	-3.69	1.85	7.40		7.37	7.43		
<b>松本 香穂</b>	time		13.63		27.24	27.24	6 / 5				
	reaction time				-13.63	27.24	# of strides	13.63	13.61	0.02	
	velocity		7.34	-3.67	1.84	7.34		7.34	7.35		
<b>畑 心海</b>	time		13.59		27.50	27.50	2 / 6				
	reaction time				-13.59	27.50	# of strides	13.59	13.91	-0.32	
	velocity		7.36	-3.68	1.82	7.27		7.36	7.19		
<b>笹川 樹里</b>	time		13.79		27.52	27.52	8 / 7				
	reaction time				-13.79	27.52	# of strides	13.79	13.73	0.06	
	velocity		7.25	-3.63	1.82	7.27		7.25	7.28		
<b>大國 千夏</b>	time		14.05		27.83	27.83	3 / 8				
	reaction time				-14.05	27.83	# of strides	14.05	13.78	0.27	
	velocity		7.12	-3.56	1.80	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
<b>Thomas, Gabrielle (USA) (1996)</b>	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		
<b>Jackson, Shericka (JAM) (1994)</b>	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		
<b>Asher-Smith, Dina (GBR) (1995)</b>	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		
<b>Clark, Tamara (USA) (1999)</b>	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		
<b>Strachan, Anthonique (BAH) (1</b>	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		

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



<b>Dobbin, Beth (GBR) (1994)</b>	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
<b>Bryant, Dezerea (USA) (1993)</b>	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
<b>Ray, Shannon (USA) (1995)</b>	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
<b>Yamasaki, Yuki (JPN) (1995)</b>	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	
<b>Hemphill, Meg (JPN) (1996)</b>	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
<b>Shimada, Kohane (JPN) (2006)</b>	time	6.68	12.12	17.96	17.96	5 / 1			<b>50-150m</b>
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
<b>Fukuoka, Shion (JPN) (2007)</b>	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
<b>Akaska, Miyuu (JPN) (2006)</b>	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
<b>Koike, Hina (JPN)</b>	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
<b>Seta, Haruna (JPN) (2006)</b>	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
<b>Mboma, Christine (NAM) (2003)</b>	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	9.36	9.16	96.0	8.77	9.58
<b>Jackson, Shericka (JAM) (1994)</b>	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	9.11	95.5	8.85	9.39
<b>Asher-Smith, Dina (GBR) (1995)</b>	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	9.07	94.0	8.85	9.31
<b>Richardson, Sha'Carri (USA) (2016)</b>	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	8.91	101.0	8.85	8.97

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

<b>Masingi, Beatrice (NAM) (2003)</b>	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	8.89	92.0	8.70	9.09
<b>Vervae, Imke (BEL) (1993)</b>	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	8.59	99.2	8.40	8.79
<b>Kaden, Lilly (GER) (2001)</b>	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	8.55	101.0	8.55	8.55
<b>Rosius, Rani (BEL) (2000)</b>	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	8.41	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
<b>van Hünenstijn, Marije (NED) (1)</b>	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	8.78	93.7	8.47	9.11
<b>Schwab, Corinna (GER) (1999)</b>	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	8.71	97.0	8.62	8.80
<b>Kielbasinska, Anna (POL) (1990)</b>	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	8.67	97.2	8.47	8.87
<b>Wessolly, Jessica-Bianca (GER)</b>	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	8.65	98.0	8.47	8.84
<b>Nelson, Ashleigh (GBR) (1991)</b>	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	8.64	97.2	8.47	8.82
<b>Pointet, Léonie (SUI) (2001)</b>	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	8.51	104.5	8.40	8.63
<b>Bokesa, Aauri Lorena (ESP) (1991)</b>	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
		velocity	7.25	9.26	8.93	8.71	8.46		8.13	8.82
<b>van Vliet, Leonie (NED) (1993)</b>	time	6.6	12.0	17.8	23.90	23.90	1 / 8			
reaction time	0.232	interval	5.40	5.80	6.10		# of strides	12.00	11.90	0.10
		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) - <a href="https://twitter.com/pjvazel/status/1422593785813377036?s=21">https://twitter.com/pjvazel/status/1422593785813377036?s=21</a>					
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Thompson-Herah, Elaine (JAM)</b>	time		10.99	16.06	21.53	21.53	7 / 1			
reaction time	0.173	interval		5.07	5.47	<b>NR PB</b>	# of strides	10.99	10.54	0.45
		velocity		9.10	9.86	9.14	9.29	96.7	9.10	9.49
<b>Mboma, Christine (NAM) (2003)</b>	time		11.40	16.50	21.81	21.81	5 / 2			
reaction time	0.169	interval		5.10	5.31	<b>AR WJR</b>	# of strides	11.40	10.41	0.99
		velocity		8.77	9.80	9.42	9.17	97.0	8.77	9.61
<b>Thomas, Gabrielle (USA) (1996)</b>	0.159	no information available				21.87	3 / 3		# of strides	91.0
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	0.141	no information available				21.94	4 / 4		# of strides	98.0

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

<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	0.150	no information available		22.27	6 / 5	# of strides	98.0
<b>Masilingi, Beatrice (NAM) (2003)</b>	0.166	no information available	<b>PB</b>	22.28	8 / 6	# of strides	91.7
<b>Kambundji, Mujinga (SUI) (1992)</b>	0.147	no information available		22.30	2 / 7	# of strides	100.5
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	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
<b>Sato, Misato (JPN) (2003)</b>	time		6.21	12.17	17.76	23.71	23.71	4 / 1			
	reaction time	0.155	interval	5.96	5.59	5.95		# of strides	12.17	11.54	0.63
			velocity	8.05	8.39	8.94	8.40	8.44	8.22	8.67	
<b>Onodera, Ayami (JPN) (2003)</b>	time		6.21	12.16	17.78	23.81	23.81	3 / 2			
	reaction time	0.157	interval	5.95	5.62	6.03		# of strides	12.16	11.65	0.51
			velocity	8.05	8.40	8.90	8.29	8.40	8.22	8.58	
<b>Kurashige, Miu (JPN) (2004)</b>	time		6.08	12.03	17.75	23.87	23.87	5 / 3			
	reaction time	0.150	interval	5.95	5.72	6.12		# of strides	12.03	11.84	0.19
			velocity	8.22	8.40	8.74	8.17	8.38	8.31	8.45	
<b>Yamagata, Aiha (JPN) (2005)</b>	time		6.22	12.23	17.90	23.89	23.89	6 / 4			
	reaction time	0.187	interval	6.01	5.67	5.99		# of strides	12.23	11.66	0.57
			velocity	8.04	8.32	8.82	8.35	8.37	8.18	8.58	
<b>Satou, Aoi (JPN) (2004)</b>	time		6.27	12.27	17.93	23.93	23.93	8 / 5			
	reaction time	0.177	interval	6.00	5.66	6.00		# of strides	12.27	11.66	0.61
			velocity	7.97	8.33	8.83	8.33	8.36	8.15	8.58	
<b>Kurahasi, Miho (JPN) (2004)</b>	time		6.23	12.23	17.94	24.09	24.09	2 / 6			
	reaction time	0.150	interval	6.00	5.71	6.15		# of strides	12.23	11.86	0.37
			velocity	8.03	8.33	8.76	8.13	8.30	8.18	8.43	
<b>Komatsu, Konomi (JPN) (2004)</b>	time		6.31	12.36	18.07	24.21	24.21	1 / 7			
	reaction time	0.223	interval	6.05	5.71	6.14		# of strides	12.36	11.85	0.51
			velocity	7.92	8.26	8.76	8.14	8.26	8.09	8.44	
<b>Sakamoto, Minami (JPN) (2006)</b>	time		6.25	12.38	18.13	24.31	24.31	7 / 8			
	reaction time	0.152	interval	6.13	5.75	6.18		# of strides	12.38	11.93	0.45
			velocity	8.00	8.16	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
<b>Thompson-Herah, Elaine (JAM)</b>	time		6.2	11.4	16.7	22.43	22.43	5 / 1			
	reaction time	0.159	interval	5.20	5.30	5.73		# of strides	11.40	11.03	0.37
			velocity	8.06	9.62	9.43	8.73	8.92	8.77	9.07	
<b>Williams, Jodie (GBR) (1993)</b>	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	8.62	9.09	
<b>Okagbare, Blessing (NGR) (1988)</b>	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	8.62	9.08	
<b>Clark, Tamara (USA) (1999)</b>	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	8.77	8.91	
<b>Dobbin, Beth (GBR) (1994)</b>	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	8.55	8.91	
<b>Bryant, Dezerea (USA) (1993)</b>	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		
<b>Neita, Daryll (GBR) (1996)</b>	time	6.4	11.7	17.1	23.06	23.06	1 / 7				
	reaction time	0.158	interval	5.30	5.40	5.96	<b>PB</b>	# of strides	11.70	11.36	0.34
	velocity	7.81	9.43	9.26	8.39	8.67		92.2	8.55	8.80	
<b>Morrison, Natasha (JAM) (1992)</b>	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
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	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	
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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	
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	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	
<b>Bryant, Dezerea (USA) (1993)</b>	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	
<b>Clark, Tamara (USA) (1999)</b>	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	
<b>Okagbare, Blessing (NGR) (1988)</b>	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

	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
<b>Jackson, Shericka (JAM) (1994)</b>	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
	velocity	7.94	9.80	9.80	8.93	9.05		96.0	8.77	9.35	
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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	
<b>Masingi, Beatrice (NAM) (2003)</b>	time	6.4	11.6	17.0	22.65	22.65	3 / 3				
	reaction time	0.196	interval	5.20	5.40	5.65	<b>NR PB</b>	# of strides	11.60	11.05	0.55
	velocity	7.81	9.62	9.26	8.85	8.83		92.2	8.62	9.05	
<b>Dobbin, Beth (GBR) (1994)</b>	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	
<b>Akinosun, Morolake (USA) (199)</b>	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	
<b>van Hunenstijn, Marije (NED) (1)</b>	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

<b>Lilja, Lisa (SWE) (1996)</b>	time	6.6	11.8	17.4	23.39	23.39	8 / 7			
reaction time	0.155	interval	5.20	5.60	5.99	<b>PB</b>	# of strides	11.80	11.59	0.21
		velocity	7.58	9.62	8.93	8.35	8.55	98.0	8.47	8.63

<b>Hjelmer, Moa (SWE) (1990)</b>	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
<b>Ge Manqi (CHN) (1997)</b>	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	
<b>Huang Guifen (CHN) (1997)</b>	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	
<b>Liang Xiaojing (CHN) (1997)</b>	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	
<b>Liao Mengxue (CHN) (1995)</b>	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	
<b>Kong Lingwei (CHN) (1995)</b>	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
<b>Liang Xiaojing (CHN) (1997)</b>	time			6.08	11.96	17.48	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	104.0	8.36	8.84	
<b>Huang Guifen (CHN) (1997)</b>	time			6.16	12.08	17.63	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	95.2	8.28	8.76	
<b>Liu Yinglan (CHN) (2005)</b>	time			6.26	12.33	18.02	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	97.5	8.11	8.60	
<b>Li He (CHN) (2001)</b>	time			6.19	12.21	17.98	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
<b>Tong Zenghuan (CHN) (1995)</b>	time			6.23	12.23	17.88	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	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
<b>Ge Manqi (CHN) (1997)</b>	time			5.95	11.69	17.22	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	104.0	8.55	8.50	
<b>Kong Lingwei (CHN) (1995)</b>	time			6.10	11.97	17.58	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	

<b>Cai Yanting (CHN) (2000)</b>	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	97.5	8.33	8.74		

**Heat 1**

date	27-Jun-21	wind	0.8 m/s	CAA Hurdle Development (2021)							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liao Mengxue (CHN) (1995)</b>	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							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kodama, Mei (JPN) (1999)</b>	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	
<b>Tsuruta, Remi (JPN) (1997)</b>	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	
<b>Saito, Ami (JPN) (1999)</b>	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	
<b>Iki, Aiko (JPN) (2000)</b>	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							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sato, Misato (JPN) (2003)</b>	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	
<b>Kurashige, Miu (JPN) (2004)</b>	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	
<b>Kurahasi, Miho (JPN) (2004)</b>	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	
<b>Gamo, Marin (JPN) (2003)</b>	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) - <a href="https://twitter.com/pjvazel/status/1409396275791994886?s=21">https://twitter.com/pjvazel/status/1409396275791994886?s=21</a>							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Thomas, Gabrielle (USA) (1996)</b>	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)							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Huang Guifen (CHN) (1997)</b>	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	



<b>Kong Lingwei (CHN) (1995)</b>	time	11.89	23.58	23.58	3 / 2				
reaction time	0.211	interval	11.69	11.69	# of strides	11.89	11.69	0.20	
		velocity	8.41	8.55	102.0	8.41	8.55		
<b>Tong Zenghuan (CHN) (1995)</b>	time	12.00	23.71	23.71	4 / 3				
reaction time	0.245	interval	11.71	11.71	# of strides	12.00	11.71	0.29	
		velocity	8.33	8.54	100.2	8.33	8.54		
<b>Cai Yanting (CHN) (2000)</b>	time	11.93	23.82	23.82	8 / 5				
reaction time	0.151	interval	11.89	11.89	# of strides	11.93	11.89	0.04	
		velocity	8.38	8.41	98.0	8.38	8.41		
<b>Feng Lulu (CHN) (2000)</b>	time	12.00	24.20	24.20	1 / 5				
reaction time	0.188	interval	12.20	12.20	# of strides	12.00	12.20	-0.20	
		velocity	8.33	8.20	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
<b>Huang Guifen (CHN) (1997)</b>	time		11.80	23.41	23.41	6 / 1					
reaction time	0.176	interval	11.61	11.61	# of strides	11.80	11.61	0.19			
		velocity	8.47	8.61	8.54	97.0	8.47	8.61			
<b>Tong Zenghuan (CHN) (1995)</b>	time		11.73	23.71	23.71	3 / 2					
reaction time	0.218	interval	11.98	11.98	# of strides	11.73	11.98	-0.25			
		velocity	8.53	8.35	8.44	101.0	8.53	8.35			
<b>Cai Yanting (CHN) (2000)</b>	time		11.90	23.91	23.91	5 / 3					
reaction time	0.154	interval	12.01	12.01	# of strides	11.90	12.01	-0.11			
		velocity	8.40	8.33	8.36	99.0	8.40	8.33			
<b>Feng Lulu (CHN) (2000)</b>	time		11.95	24.34	24.34	4 / 4					
reaction time	0.158	interval	12.39	12.39	# of strides	11.95	12.39	-0.44			
		velocity	8.37	8.07	8.22	108.2	8.37	8.07			
<b>Zhu Cuiwei (CHN) (2000)</b>	time		12.01	24.71	24.71	1 / 5					
reaction time	0.172	interval	12.70	12.70	# of strides	12.01	12.70	-0.69			
		velocity	8.33	7.87	8.09	106.5	8.33	7.87			
<b>Huang Ziting (CHN) (2003)</b>	time		12.68	25.31	25.31	8 / 6					
reaction time	0.156	interval	12.63	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
<b>Liang Xiaojing (CHN) (1997)</b>	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	107.0	8.60	8.50		
<b>Kong Lingwei (CHN) (1995)</b>	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	8.53	102.0	8.49	8.56		
<b>Li Yuting (CHN) (2002)</b>	time		11.81	17.29	23.63	23.63	8 / 3				
reaction time	0.175	interval	5.48	6.34	<b>PB</b>	# of strides	11.81	11.82	-0.01		
		velocity	8.47	9.12	7.89	8.46	93.0	8.47	8.46		
<b>Ge Manqi (CHN) (1997)</b>	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	8.35	93.2	8.49	8.22		
<b>Zhu Cuiyan (CHN) (2000)</b>	time		12.14	24.59	24.59	3 / 5					
reaction time	0.199	interval	12.45	12.45	# of strides	12.14	12.45	-0.31			
		velocity	8.24	8.03	8.13	104.5	8.24	8.03			
<b>Yuan Qiqi (CHN) (1995)</b>	time		12.43	25.30	25.30	2 / 6					

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

reaction time	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	
<b>Gu Zihan (CHN) (2001)</b>		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
<b>Asher-Smith, Dina (GBR) (1995)</b>	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	
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	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	
<b>Kaddari, Dalia (ITA) (2001)</b>	time		6.7	11.8	17.3	22.86	22.86	7 / 4			
reaction time	0.158	interval		5.10	5.50	5.56	<b>PB</b>	# of strides	11.80	11.06	0.74
		velocity	7.46	9.80	9.09	8.99	8.75	96.2	8.47	9.04	
<b>Dobbin, Beth (GBR) (1994)</b>	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	
<b>Schippers, Dafne (NED) (1992)</b>	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	
<b>Hooper, Gloria (ITA) (1992)</b>	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	
<b>Atcho, Sarah (SUI) (1995)</b>	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) - <a href="https://twitter.com/pjvazel/status/1401965630484529154?s=21">https://twitter.com/pjvazel/status/1401965630484529154?s=21</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mboma, Christine (NAM) (2003)</b>	time		6.8	12.0	17.3	22.67	22.67	5 / 1			
reaction time	0.166	interval		5.20	5.30	5.37	<b>NR PB</b>	# of strides	12.00	10.67	1.33
		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
<b>石倉 珠妃</b>	time		12.91	19.06	25.59	25.59	25.59	6 / 1			
reaction time		interval		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	
<b>持田 かのん</b>	time		12.94	19.21	25.83	25.83	25.83	3 / 2			
reaction time		interval		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	
<b>金子 継</b>	time		13.07	19.52	26.31	26.31	26.31	4 / 3			
reaction time		interval		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	
<b>榑原 そら</b>	time		13.29	19.66	26.34	26.34	26.34	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	interval	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		
<b>松村 愛</b>	time		13.31	19.68	26.45	26.45	7 / 5			
	reaction time	interval		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	
<b>角橋 花南</b>	time		13.23	19.69	26.57	26.57	1 / 6			
	reaction time	interval		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	
<b>山尾 美来</b>	time		13.21	19.69	26.57	26.57	5 / 7			
	reaction time	interval		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	
<b>増村 小雪</b>	time		13.71	20.07	26.91	26.91	8 / 8			
	reaction time	interval		6.36	6.84		# of strides	13.71	13.20	0.51
		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	<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hosoya, Yumi (JPN) (1995)</b>	time		6.58	12.05	17.75	23.88	23.88	7 / 1			
	reaction time	0.160	interval	5.47	5.70	6.13	<b>PB</b>	# of strides	12.05	11.83	0.22
			velocity	7.60	9.14	8.77	8.16	8.38	104.2	8.30	8.45
<b>Takita, Izumi (JPN) (2002)</b>	time		6.70	12.19	17.86	23.99	23.99	5 / 2			
	reaction time	0.133	interval	5.49	5.67	6.13	<b>PB</b>	# of strides	12.19	11.80	0.39
			velocity	7.46	9.11	8.82	8.16	8.34	104.7	8.20	8.47
<b>Miyatake, Abidarari (JPN) (2002)</b>	time		6.71	12.26	18.04	24.23	24.23	8 / 3			
	reaction time	0.176	interval	5.55	5.78	6.19	<b>PB</b>	# of strides	12.26	11.97	0.29
			velocity	7.45	9.01	8.65	8.08	8.25	96.0	8.16	8.35

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

	date	25-Oct-20	wind	1.7 m/s	<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Idoabigeiru, Fuka (JPN) (2001)</b>	time		6.67	12.21	17.96	24.15	24.15	3 / 1			
	reaction time	0.163	interval	5.54	5.75	6.19		# of strides	12.21	11.94	0.27
			velocity	7.50	9.03	8.70	8.08	8.28	105.3	8.19	8.38
<b>Miyatake, Abidarari (JPN) (2002)</b>	time		6.90	12.49	18.32	24.29	24.29	8 / 2			
	reaction time	0.164	interval	5.59	5.83	5.97		# of strides	12.49	11.80	0.69
			velocity	7.25	8.94	8.58	8.38	8.23	101.0	8.01	8.47
<b>Kageyama, Sakiho (JPN) (2002)</b>	time		6.70	12.31	18.07	24.40	24.40	5 / 3			
	reaction time	0.151	interval	5.61	5.76	6.33		# of strides	12.31	12.09	0.22
			velocity	7.46	8.91	8.68	7.90	8.20	114.7	8.12	8.27
<b>Kawasaki, Natsumi (JPN) (2001)</b>	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
<b>Miura, Yuna (JPN) (2002)</b>	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
<b>Kato, Shiori (JPN) (2001)</b>	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**

	date	25-Oct-20	wind	4.3 m/s	<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ishikawa, Yu (JPN) (2002)</b>	time		6.71	12.21	17.85	23.82	23.82	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	0.181	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

<b>Adachi, Marin (JPN) (2003)</b>	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

<b>Aoyama, Hanae (JPN) (2002)</b>	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

<b>治武 杏折</b>	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

<b>遠山 侑里</b>	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

<b>藏重 みう</b>	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)

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

### 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
<b>Tsuruta, Remi (JPN) (1997)</b>	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	<b>PB</b>	# 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

<b>Kodama, Mei (JPN) (1999)</b>	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	<b>PB</b>	# 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

<b>Oishi, Sayaka (JPN) (1991)</b>	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	<b>PB</b>	# 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

<b>Saito, Ami (JPN) (1999)</b>	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

<b>Aoyama, Seika (JPN) (1996)</b>	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

<b>Takashima, Saki (JPN) (2002)</b>	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	8.21	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
<b>Yamasaki, Yuki (JPN) (1995)</b>	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

<b>Hemphill, Megu (JPN) (1996)</b>	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

<b>Odama, Karin (JPN) (1999)</b>	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	0.179	interval		5.43	5.68	6.06	<b>PB</b>	# 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	0.170	interval		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	0.146	interval		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	0.179	interval		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	0.174	interval		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	0.163	interval		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	<b>PB</b>	# 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	<b>PB</b>	# 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	<b>PB</b>	# 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			
	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	-0.07
			velocity	7.62	9.07	8.53	7.96	8.26		8.29	8.24	

## 2020 Shimane High School Championships (Izumo, JPN)

## A 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
森山 凜	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	
持田 かのん	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	

金子 継	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	
藤原 珠稀	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	
山尾 美来	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	
松村 愛	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

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		
榊原 そら	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

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	interval	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	interval	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	interval	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	interval	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	interval	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

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	
<b>Takita, Shizumi (JPN) (2002)</b>	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	
<b>Niisaka, Takako (JPN) (2002)</b>	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	
<b>Uchiyama, Kyoka (JPN) (2003)</b>	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	
<b>Aono, Misaki (JPN) (2003)</b>	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	
<b>Adachi, Marin (JPN) (2003)</b>	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	
<b>Sato, Chihiro (JPN) (2002)</b>	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	
<b>Miyatake, Abidarari (JPN) (2002)</b>	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

	date	02-Oct-19	wind	0.9 m/s	<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Asher-Smith, Dina (GBR) (1995)</b>	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		
<b>Brown, Brittany (USA) (1995)</b>	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		
<b>Kambundji, Mujinga (SUI) (1992)</b>	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		
<b>Annelus, Angie (USA) (1997)</b>		0.199	no information available			22.59	5 / 4	# of strides		93.0	
<b>Bryant, Dezerea (USA) (1993)</b>		0.163	no information available			22.63	8 / 5	# of strides		99.7	
<b>Bass, Gina (GAM) (1995)</b>		0.162	no information available			22.71	2 / 6	# of strides		99.2	
<b>Lalova-Collio, Iveta (BUL) (1984)</b>		0.160	no information available			22.77	3 / 7	# of strides		96.0	
<b>Gaither, TyNia (BAH) (1993)</b>		0.152	no information available			22.90	9 / 8	# of strides			

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

### FINAL

	date	10-Sep-19	wind	-0.1 m/s	<i>European Athletics (2019) - race analysis</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Brown, Brittany (USA) (1995)</b>	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	
<b>Dobbin, Beth (GBR) (1994)</b>	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	
<b>Jefferson, Kyra (USA) (1994)</b>	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	

<b>Nelson, Ashleigh (GBR) (1991)</b>	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
<b>Wessolly, Jessica-Bianca (GER)</b>	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
<b>Tsimanouskaya, Krystsina (BLR)</b>	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
<b>Mitchell, A'Keyla (USA) (1995)</b>	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
<b>Davis, Courtne (USA) (1996)</b>	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
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	time	6.3	11.3	16.4	21.74	21.74	6 / 1			
	reaction time	0.143	interval	5.0	5.34	NR	# of strides	11.30	10.44	0.86
			velocity	7.94	10.00	9.80	9.36	9.20	8.85	9.58
<b>Asher-Smith, Dina (GBR) (1995)</b>	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	9.01	9.11
<b>Thompson, Elaine (JAM) (1992)</b>	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	8.85	8.98
<b>Schippers, Dafne (NED) (1992)</b>	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	8.77	9.04
<b>Kambundji, Mujinga (SUI) (1992)</b>	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	8.70	9.03
<b>Okagbare, Blessing (NGR) (1988)</b>	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	8.70	8.99
<b>Emmanuel, Crystal (CAN) (1991)</b>	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	8.70	8.80
<b>Samuel, Jamile (NED) (1992)</b>	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	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	
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	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
<b>Asher-Smith, Dina (GBR) (1995)</b>	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	
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	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	
<b>Schippers, Dafne (NED) (1992)</b>	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	
<b>Okagbare, Blessing (NGR) (1988)</b>	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	
<b>Bryant, Dezerea (USA) (1993)</b>	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	
<b>Chadwick, Payton (USA) (1995)</b>	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	
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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
<b>Ishido, Hina (JPN) (2002)</b>	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	
<b>Takashima, Saki (JPN) (2002)</b>	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	
<b>Idoabigeiru, Fuka (JPN) (2001)</b>	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	
<b>Kageyama, Sakiho (JPN) (2002)</b>	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	
<b>Miura, Yuna (JPN) (2002)</b>	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	
<b>Matsunaga, Tomoko (JPN) (2001)</b>	time	6.67	12.23	17.94	24.11	24.11	8 / 6			
	reaction time	interval	5.56	5.71	6.17		# of strides	12.23	11.88	0.35
	velocity	7.50	8.99	8.76	8.10	8.30		8.18	8.42	
<b>Suzuki, Kazuha (JPN) (2001)</b>	time	6.66	12.17	17.95	24.31	24.31	2 / 7			
	reaction time	interval	5.51	5.78	6.36		# of strides	12.17	12.14	0.03
	velocity	7.51	9.07	8.65	7.86	8.23		8.22	8.24	
<b>Oshiro, Akari (JPN) (2001)</b>	time	6.67	12.20	17.93	24.32	24.32	1 / 8			
	reaction time	interval	5.53	5.73	6.39		# of strides	12.20	12.12	0.08
	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
<b>Liang Xiaojing (CHN) (1997)</b>	time	6.43	11.66	17.12	22.93	22.93	8 / 1			



reaction time	interval	5.23	5.46	5.81	<b>PB</b>	# of strides	11.66	11.27	0.39
	velocity	7.78	9.56	9.16	8.61	8.72	8.58	8.87	
<b>Wei Yongli (CHN) (1991)</b>	time	6.49	11.70	17.31	23.46	23.46	3 / 2		
reaction time	interval	5.21	5.61	6.15		# of strides	11.70	11.76	-0.06
	velocity	7.70	9.60	8.91	8.13	8.53	8.55	8.50	
<b>Huang Guifen (CHN) (1997)</b>	time	6.58	11.84	17.47	23.54	23.54	5 / 3		
reaction time	interval	5.26	5.63	6.07		# of strides	11.84	11.70	0.14
	velocity	7.60	9.51	8.88	8.24	8.50	8.45	8.55	
<b>Shi Yarong (CHN) (1996)</b>	time	6.57	11.90	17.64	23.84	23.84	7 / 4		
reaction time	interval	5.33	5.74	6.20	<b>PB</b>	# of strides	11.90	11.94	-0.04
	velocity	7.61	9.38	8.71	8.06	8.39	8.40	8.38	
<b>Kong Lingwei (CHN) (1995)</b>	time	6.57	11.83	17.54	23.85	23.85	4 / 5		
reaction time	interval	5.26	5.71	6.31		# of strides	11.83	12.02	-0.19
	velocity	7.61	9.51	8.76	7.92	8.39	8.45	8.32	
<b>Zhou Yanbing (CHN) (1996)</b>	time	6.56	12.07	17.95	24.18	24.18	6 / 6		
reaction time	interval	5.51	5.88	6.23		# of strides	12.07	12.11	-0.04
	velocity	7.62	9.07	8.50	8.03	8.27	8.29	8.26	
<b>Cai Yanting (CHN) (2000)</b>	time	6.78	12.14	17.97	24.36	24.36	1 / 7		
reaction time	interval	5.36	5.83	6.39		# of strides	12.14	12.22	-0.08
	velocity	7.37	9.33	8.58	7.82	8.21	8.24	8.18	
<b>Qu Haixia (CHN) (1995)</b>	time	6.71	12.10	18.08	24.63	24.63	2 / 8		
reaction time	interval	5.39	5.98	6.55		# of strides	12.10	12.53	-0.43
	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
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	time	6.3	11.6	16.6	22.09	22.09	6 / 1					
reaction time	0.195	interval	5.3	5.0	5.49		# of strides	11.60	10.49	1.11		
		velocity	7.94	9.43	10.00	9.11	9.05	91.2	8.62	9.53		
<b>Thompson, Elaine (JAM) (1992)</b>	time	6.3	11.4	16.7	22.44	22.44	5 / 2					
reaction time	0.156	interval	5.1	5.3	5.74		# of strides	11.40	11.04	0.36		
		velocity	7.94	9.80	9.43	8.71	8.91	98.5	8.77	9.06		
<b>Schippers, Dafne (NED) (1992)</b>	time	6.3	11.4	16.7	22.45	22.45	7 / 3					
reaction time	0.149	interval	5.1	5.3	5.75		# of strides	11.40	11.05	0.35		
		velocity	7.94	9.80	9.43	8.70	8.91	93.5	8.77	9.05		
<b>Daniels, Teahna (USA) (1997)</b>	time	6.3	11.5	16.9	22.59	22.59	8 / 4					
reaction time	0.132	interval	5.2	5.4	5.69		# of strides	11.50	11.09	0.41		
		velocity	7.94	9.62	9.26	8.79	8.85	92.7	8.70	9.02		
<b>Prandini, Jenna (USA) (1992)</b>	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		
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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		
<b>Thomas, Gabrielle (USA) (1996)</b>	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

	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

<b>Thomas, Gabrielle (USA) (1996)</b>	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
<b>Williams, Jodie (GBR) (1993)</b>	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
<b>Strachan, Anthonique (BAH) (1991)</b>	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
<b>Nelson, Ashleigh (GBR) (1991)</b>	time	6.5	11.6	17.1	22.85	22.85	2 / 4			
reaction time	0.154	interval	5.1	5.5	5.75	<b>PB</b>	# of strides	11.60	11.25	0.35
		velocity	7.69	9.80	9.09	8.70	8.75	94.7	8.62	8.89
<b>Vaičule, Gunta (LAT) (1995)</b>	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
<b>Atcho, Sarah (SUI) (1995)</b>	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
<b>Safronova, Olga (KAZ) (1991)</b>	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
<b>Wei Yongli (CHN) (1991)</b>	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
<b>Kodama, Mei (JPN) (1999)</b>	time	6.55	11.93	17.60	23.80	23.80	23.80	23.80	23.80	7 / 1			
reaction time	0.158	interval	5.38	5.67	6.20	<b>PB</b>	# of strides	11.93	11.87	0.06			
		velocity	7.63	9.29	8.82	8.06	8.40	101.0	8.38	8.42			
<b>Kageyama, Sakiho (JPN) (2002)</b>	time	6.56	12.12	17.84	23.90	23.90	23.90	23.90	23.90	4 / 2			
reaction time	0.162	interval	5.56	5.72	6.06	<b>PB</b>	# of strides	12.12	11.78	0.34			
		velocity	7.62	8.99	8.74	8.25	8.37	108.0	8.25	8.49			
<b>Saito, Ami (JPN) (1999)</b>	time	6.56	12.02	17.78	24.04	24.04	24.04	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			
<b>Idoabigeiru, Fuka (JPN) (2001)</b>	time	6.59	12.06	17.83	24.05	24.06	24.06	24.06	24.06	5 / 4			
reaction time	0.148	interval	5.47	5.77	6.22	<b>PB</b>	# 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			
<b>Wada, Maki (JPN) (1986)</b>	time	6.49	12.03	17.94	24.43	24.43	24.43	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			
<b>Iki, Aiko (JPN) (2000)</b>	time	6.76	12.39	18.22	24.49	24.49	24.49	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			
<b>Miyake, Naoka (JPN) (1991)</b>	time	6.68	12.27	18.15	24.54	24.54	24.54	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			
<b>Mimura, Kanami (JPN) (2001)</b>	time	6.81	12.39	18.20	24.56	24.56	24.56	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			

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

## 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		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		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
大下 愛梨	time		13.01	19.19	25.69	25.69	5 / 1			
	reaction time			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	
森山 凜	time		13.26	19.39	25.88	25.88	7 / 2			
	reaction time			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	
持田 かのん	time		13.40	19.60	26.08	26.08	6 / 3			
	reaction time			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	
永瀬 望	time		13.41	19.60	26.09	26.09	4 / 4			
	reaction time			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	
松村 愛	time		13.47	19.80	26.64	26.64	8 / 5			
	reaction time			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	
日野 彩夏	time		13.59	19.98	26.81	26.81	2 / 6			
	reaction time			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	
藤原 珠稀	time		13.67	20.15	27.11	27.11	3 / 7			
	reaction time			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	
山尾 美来	time		13.72	20.27	27.24	27.24	9 / 8			
	reaction time			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		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		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		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		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	

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



<b>Owusu-Afryie, Nana (AUS) (1995)</b>	time	6.42	11.64	17.22	23.34	23.34	9 / 5			
reaction time	0.170	interval	5.22	5.58	6.12		# of strides	11.64	11.70	-0.06
		velocity	7.79	9.58	8.96	8.17	8.57	97.7	8.59	8.55
<b>Wada, Maki (JPN) (1986)</b>	time	6.34	11.73	17.52	20.99	23.70	7 / 6			
reaction time	0.129	interval	5.39	5.79	3.47		# of strides	11.73	9.26	2.47
		velocity	7.89	9.28	8.64	14.41	8.44	101.5	8.53	10.80
<b>Miyake, Naoka (JPN) (1991)</b>	time	6.67	12.20	18.02	24.31	24.31	2 / 7			
reaction time	0.173	interval	5.53	5.82	6.29		# of strides	12.20	12.11	0.09
		velocity	7.50	9.04	8.59	7.95	8.23	100.7	8.20	8.26
<b>Yamada, Miki (JPN) (1999)</b>	time	6.72	12.19	18.10	24.39	24.39	3 / 8			
reaction time	0.179	interval	5.47	5.91	6.29		# of strides	12.19	12.20	-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
<b>Ichikawa, Kana (JPN) (1991)</b>	time	6.70	12.19	17.97	24.23	24.23	5 / 3			
reaction time		interval	5.49	5.78	6.26		# of strides	12.19	12.04	0.15
		velocity	7.46	9.11	8.65	7.99	8.25	98.5	8.20	8.31
<b>Miyake, Naoka (JPN) (1991)</b>	time	6.67	12.25	18.08	24.30	24.30	2 / 4			
reaction time		interval	5.58	5.83	6.22		# of strides	12.25	12.05	0.20
		velocity	7.50	8.96	8.58	8.04	8.23	102.7	8.16	8.30
<b>Yamada, Miki (JPN) (1999)</b>	time	6.68	12.17	17.99	24.37	24.37	3 / 5			
reaction time		interval	5.49	5.82	6.38		# of strides	12.17	12.20	-0.03
		velocity	7.49	9.11	8.59	7.84	8.21	104.0	8.22	8.20
<b>Hirosawa, Mae (JPN) (1997)</b>	time	6.70	12.34	18.21	24.39	24.39	9 / 6			
reaction time		interval	5.64	5.87	6.18		# of strides	12.34	12.05	0.29
		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
<b>Kageyama, Sakiho (JPN) (2002)</b>	time	6.62	12.15	17.91	24.06	24.06	6 / 1			
reaction time		interval	5.53	5.76	6.15		# of strides	12.15	11.91	0.24
		velocity	7.55	9.04	8.68	8.13	8.31	111.0	8.23	8.40
<b>Yuasa, Kanako (JPN) (1997)</b>	time	6.58	12.10	17.89	24.10	24.10	5 / 2			
reaction time		interval	5.52	5.79	6.21		# of strides	12.10	12.00	0.10
		velocity	7.60	9.06	8.64	8.05	8.30	105.5	8.26	8.33
<b>Saito, Ami (JPN) (1999)</b>	time	6.71	12.20	17.95	24.21	24.21	7 / 3			
reaction time		interval	5.49	5.75	6.26		# of strides	12.20	12.01	0.19
		velocity	7.45	9.11	8.70	7.99	8.26	105.7	8.20	8.33
<b>Aoyama, Seika (JPN) (1996)</b>	time	6.85	12.44	18.21	24.42	24.42	3 / 5			
reaction time		interval	5.59	5.77	6.21		# of strides	12.44	11.98	0.46
		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
<b>Yanagiya, Tomomi (JPN) (1999)</b>	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
<b>Miyake, Naoka (JPN) (1991)</b>	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

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

velocity	7.49	9.16	8.56	7.84	8.21	8.24	8.18
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**Heat 1**

		date	23-Apr-19	wind	1.0 m/s	<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yamada, Miku (JPN) (1999)</b>	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	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Aono, Shuri (JPN) (2000)</b>	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	
<b>Mimura, Kanami (JPN) (2001)</b>	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	
<b>Usui, Ayane (JPN) (2000)</b>	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	
<b>Iki, Aiko (JPN) (2000)</b>	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	
<b>Yanagiya, Tomomi (JPN) (1999)</b>	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	
<b>Saito, Ami (JPN) (1999)</b>	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	
<b>Kodama, Mei (JPN) (1999)</b>	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	
<b>Yamada, Miku (JPN) (1999)</b>	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	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kageyama, Sakiho (JPN) (2002)</b>	time			6.64	12.18	18.02	24.32	24.32	6 / 1			
	reaction time	0.198	interval		5.54	5.84	6.30		# of strides	12.18	12.14	0.04
	velocity			7.53	9.03	8.56	7.94	8.22		8.21	8.24	
<b>Aoyama, Hanae (JPN) (2002)</b>	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	
<b>Taji, Haruka (JPN) (2002)</b>	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	
<b>Miura, Yuna (JPN) (2002)</b>	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	
<b>Murakami, Hikaru (JPN) (2002)</b>	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	

<b>Matsunaga, Tomoko (JPN) (200)</b>	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	
<b>Muraki, Mirei (JPN) (2001)</b>	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	
<b>Oshiro, Juri (JPN) (2001)</b>	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
<b>Wada, Maki (JPN) (1986)</b>	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		
<b>Miyake, Naoka (JPN) (1991)</b>	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		
<b>Fujisawa, Sayaka (JPN) (1991)</b>	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		
<b>Nagano, Mariko (JPN) (1994)</b>	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		
<b>Nagura, Chiaki (JPN) (1993)</b>	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		
<b>Kashiyama, Kaede (JPN) (1994)</b>	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		
<b>Shimada, Yukina (JPN) (1998)</b>	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		
<b>Shimura, Hitomi (JPN) (1990)</b>	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
<b>Odiong, Ofonime (BRN) (1997)</b>	time	6.48	11.64	17.07	22.96	22.96	6 / 1				
reaction time	0.166	interval	5.16	5.43	5.89		# of strides	11.64	11.32	0.32	
		velocity	7.72	9.69	9.21	8.49	8.71	98.2	8.59	8.83	
<b>Chand, Dutee (IND) (1996)</b>	time	6.38	11.66	17.18	23.20	23.20	3 / 2				
reaction time	0.149	interval	5.28	5.52	6.02		# of strides	11.66	11.54	0.12	
		velocity	7.84	9.47	9.06	8.31	8.62	106.0	8.58	8.67	
<b>Wei Yongli (CHN) (1991)</b>	time	6.37	11.64	17.20	23.27	23.27	4 / 3				
reaction time	0.158	interval	5.27	5.56	6.07		# of strides	11.64	11.63	0.01	
		velocity	7.85	9.49	8.99	8.24	8.59	97.5	8.59	8.60	
<b>Sharipova, Nigina (UZB) (1995)</b>	time	6.57	11.85	17.32	23.32	23.32	7 / 4				
reaction time	0.161	interval	5.28	5.47	6.00		# of strides	11.85	11.47	0.38	

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



	velocity	7.61	9.47	9.14	8.33	8.58	97.7	8.44	8.72	
<b>Safronova, Olga (KAZ) (1991)</b>	time	6.48	11.74	17.21	23.43	23.43	5 / 5			
	reaction time	0.144	interval	5.26	5.47	6.22	# of strides	11.74	11.69	0.05
	velocity	7.72	9.51	9.14	8.04	8.54	96.7	8.52	8.55	
<b>Knott, Kristina (PHI) (1995)</b>	time	6.50	11.75	17.37	23.51	23.51	2 / 6			
	reaction time	0.125	interval	5.25	5.62	6.14	# of strides	11.75	11.76	-0.01
	velocity	7.69	9.52	8.90	8.14	8.51	96.5	8.51	8.50	
<b>Kong Lingwei (CHN) (1995)</b>	time	6.48	11.72	17.28	23.51	23.51	8 / 7			
	reaction time	0.122	interval	5.24	5.56	6.23	# of strides	11.72	11.79	-0.07
	velocity	7.72	9.54	8.99	8.03	8.51	100.0	8.53	8.48	
<b>Quach Thi Lan (VIE) (1995)</b>	time	6.52	11.91	17.62	23.77	23.77	1 / 8			
	reaction time	0.137	interval	5.39	5.71	6.15	# of strides	11.91	11.86	0.05
	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
<b>Iki, Aiko (JPN) (2000)</b>	time	6.20	12.08	17.75	23.78	23.78	5 / 1			
	reaction time	interval	5.88	5.67	6.03	<b>PB</b>	# of strides	12.08	11.70	0.38
	velocity	8.06	8.50	8.82	8.29	8.41		8.28	8.55	
<b>Aono, Shuri (JPN) (2000)</b>	time	6.27	12.15	17.76	23.89	23.89	4 / 2			
	reaction time	interval	5.88	5.61	6.13		# of strides	12.15	11.74	0.41
	velocity	7.97	8.50	8.91	8.16	8.37		8.23	8.52	
<b>Kageyama, Sakiho (JPN)</b>	time	6.20	12.19	17.93	23.93	23.93	6 / 3			
	reaction time	interval	5.99	5.74	6.00	<b>PB</b>	# of strides	12.19	11.74	0.45
	velocity	8.06	8.35	8.71	8.33	8.36		8.20	8.52	
<b>Mimura, Kanami (JPN)</b>	time	6.21	12.07	17.82	24.02	24.02	7 / 4			
	reaction time	interval	5.86	5.75	6.20	<b>PB</b>	# of strides	12.07	11.95	0.12
	velocity	8.05	8.53	8.70	8.06	8.33		8.29	8.37	
<b>Usui, Ayane (JPN) (2000)</b>	time	6.12	12.02	17.85	24.11	24.11	2 / 5			
	reaction time	interval	5.90	5.83	6.26		# of strides	12.02	12.09	-0.07
	velocity	8.17	8.47	8.58	7.99	8.30		8.32	8.27	
<b>Miura, Yuna (JPN) (2002)</b>	time	6.33	12.35	18.07	24.30	24.30	9 / 6			
	reaction time	interval	6.02	5.72	6.23		# of strides	12.35	11.95	0.40
	velocity	7.90	8.31	8.74	8.03	8.23		8.10	8.37	
<b>Kawanaka, Aori (JPN) (2001)</b>	time	6.36	12.39	18.17	24.45	24.45	8 / 7			
	reaction time	interval	6.03	5.78	6.28		# of strides	12.39	12.06	0.33
	velocity	7.86	8.29	8.65	7.96	8.18		8.07	8.29	
<b>Idoabigeiru, Fuka (JPN) (2001)</b>	time	6.27	12.33	18.19	24.51	24.51	3 / 8			
	reaction time	interval	6.06	5.86	6.32		# of strides	12.33	12.18	0.15
	velocity	7.97	8.25	8.53	7.91	8.16		8.11	8.21	

## 2018 IAAF World Junior Championships (Tampere, FIN)

### FINAL

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
<b>Williams, Briana (JAM) (2002)</b>	time	6.36	11.47	16.72	22.50	22.50	3 / 1			
	reaction time	0.191	interval	5.11	5.78	<b>CR NJR</b>	# of strides	11.47	11.03	0.44
	velocity	7.86	9.78	9.52	8.65	8.89		8.72	9.07	
<b>Williams, Lauren Rain (USA) (1998)</b>	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	
<b>Kotwila, Martyna (POL) (1999)</b>	time	6.57	11.93	17.36	23.21	23.21	4 / 3			

reaction time	0.181	interval	5.36	5.43	5.85	<b>=PB</b>	# of strides	11.93	11.28	0.65
		velocity	7.61	9.33	9.21	8.55	8.62	8.38	8.87	
<b>Kirkland, Jayla (USA) (1999)</b>	time	6.65	11.93	17.35	23.21	23.21	8 / <del>4</del>			
reaction time	0.260	interval	5.28	5.42	5.86	<b>DQ</b>	# of strides	11.93	11.28	0.65
		velocity	7.52	9.47	9.23	8.53	8.62	8.38	8.87	
<b>Miller, Polina (RUS) (2000)</b>	time	6.60	11.83	17.35	23.32	23.32	6 / <del>5</del> 4			
reaction time	0.221	interval	5.23	5.52	5.97		# of strides	11.83	11.49	0.34
		velocity	7.58	9.56	9.06	8.38	8.58	8.45	8.70	
<b>Junk, Sophia (GER) (1999)</b>	time	6.67	12.07	17.59	23.55	23.55	1 / <del>6</del> 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	
<b>Schwab, Corinna (GER) (1999)</b>	time	6.63	11.92	17.47	23.55	23.55	7 / <del>7</del> 6			
reaction time	0.207	interval	5.29	5.55	6.08	<b>=PB</b>	# of strides	11.92	11.63	0.29
		velocity	7.54	9.45	9.01	8.22	8.49	8.39	8.60	
<b>Martins, Lorraine (BRA) (2000)</b>	time	6.65	12.16	17.80	23.91	23.91	2 / <del>8</del> 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 Japanese National Championships (Yamaguchi, JPN)

### FINAL

	date	24-Jun-18	wind	1.1 m/s	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fukushima, Chisato (JPN) (1988)</b>	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		
<b>Ichikawa, Kana (JPN) (1991)</b>	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		
<b>Yamada, Miki (JPN) (1999)</b>	time	6.71	12.15	17.79	23.92	23.92	3 / 3				
reaction time	0.176	interval	5.44	5.64	6.13	<b>PB</b>	# of strides	12.15	11.77	0.38	
		velocity	7.45	9.19	8.87	8.16	8.36	8.23	8.50		
<b>Maeyama, Miyu (JPN) (1996)</b>	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		
<b>Watanabe, Hikaru (JPN) (1996)</b>	time	6.54	11.98	17.71	24.06	24.06	4 / 5				
reaction time	0.143	interval	5.44	5.73	6.35	<b>PB</b>	# of strides	11.98	12.08	-0.10	
		velocity	7.65	9.19	8.73	7.87	8.31	8.35	8.28		
<b>Saito, Rina (JPN) (1997)</b>	time	6.64	12.17	17.94	24.19	24.19	2 / 6				
reaction time	0.180	interval	5.53	5.77	6.25	<b>PB</b>	# of strides	12.17	12.02	0.15	
		velocity	7.53	9.04	8.67	8.00	8.27	8.22	8.32		
<b>Wada, Maki (JPN) (1986)</b>	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	<i>Matsubayashi (2018) - research on athlete performance and technique- 2018 data book</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yamasaki, Yuki (JPN) (1995)</b>	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		
<b>Utsunomiya, Eri (JPN) (1993)</b>	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		

<b>Hemphill, Megu (JPN) (1996)</b>	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	
<b>Kiryama, Chie (JPN) (1991)</b>	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 Shimane High School Championships (Izumo, JPN)

### FINAL

	date	27-May-18	wind	0.8 m/s	<i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>長戸 友花</b>	time			12.59		25.17	25.17	5 / 1			
reaction time	interval		★	★	★	★	# of strides	12.59	12.58	0.01	
	velocity		7.94	7.95	7.95	7.95		7.94	7.95		
<b>戸屋 萌南</b>	time		12.69		25.50	25.51	3 / 2				
reaction time	interval				12.81		# of strides	12.69	12.81	-0.12	
	velocity		7.88	7.81	7.84	7.84		7.88	7.81		
<b>大下 愛梨</b>	time		12.86		25.88	25.89	4 / 3				
reaction time	interval				13.02		# of strides	12.86	13.02	-0.16	
	velocity		7.78	7.68	7.72	7.72		7.78	7.68		
<b>天野 伊織</b>	time		13.35		26.40	26.39	8 / 4				
reaction time	interval				13.05		# of strides	13.35	13.05	0.30	
	velocity		7.49	7.66	7.58	7.58		7.49	7.66		
<b>日野 彩夏</b>	time		13.31		26.38	26.40	6 / 5				
reaction time	interval				13.07		# of strides	13.31	13.07	0.24	
	velocity		7.51	7.65	7.58	7.58		7.51	7.65		
<b>澁谷 里帆</b>	time		13.54		26.50	26.50	1 / 6				
reaction time	interval				12.96		# of strides	13.54	12.96	0.58	
	velocity		7.39	7.72	7.55	7.55		7.39	7.72		
<b>立石 裕香</b>	time		13.41		26.65	26.65	2 / 7				
reaction time	interval				13.24		# of strides	13.41	13.24	0.17	
	velocity		7.46	7.55	7.50	7.50		7.46	7.55		
<b>永瀬 望</b>	time		13.57		26.67	26.67	7 / 8				
reaction time	interval				13.10		# of strides	13.57	13.10	0.47	
	velocity		7.37	7.63	7.50	7.50		7.37	7.63		

## 2018 Shizuoka International Meeting (Fukuroi, JPN)

### A FINAL

	date	03-May-18	wind	1.1 m/s	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fukushima, Chisato (JPN) (1988)</b>	time		6.37	11.61	17.19	23.35	23.35	4 / 1			<i>Takahashi (2018)</i>
reaction time	0.176 interval			5.24	5.58	6.16		# of strides	11.61	11.74	-0.13
	velocity		7.85	9.54	8.96	8.12	8.57	105.5	8.61	8.52	
<b>Maeyama, Miyu (JPN) (1996)</b>	time		6.54	11.95	17.62	23.80	23.80	7 / 2			<i>Takahashi (2018)</i>
reaction time	0.187 interval			5.41	5.67	6.18	<b>=PB</b>	# of strides	11.95	11.85	0.10
	velocity		7.65	9.24	8.82	8.09	8.40	96.2	8.37	8.44	
<b>Ichikawa, Kana (JPN) (1991)</b>	time		6.62	12.00	17.69	24.03	24.03	6 / 4			<i>Takahashi (2018)</i>
reaction time	0.165 interval			5.38	5.69	6.34		# of strides	12.00	12.03	-0.03
	velocity		7.55	9.29	8.79	7.89	8.32	99.0	8.33	8.31	

### B FINAL

	date	03-May-18	wind	0.7 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Nakamura, Mizuki (JPN) (1996)</b>	time		6.78	12.36	18.23	24.62	24.62	7 / 4			
reaction time	0.184 interval			5.58	5.87	6.39		# of strides	12.36	12.26	0.10
	velocity		7.37	8.96	8.52	7.82	8.12	99.2	8.09	8.16	

### Heat 3

	date	03-May-18	wind	-0.7 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Nakamura, Mizuki (JPN) (1996)</b>	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	8.70	8.00	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
<b>Ichikawa, Kana (JPN) (1991)</b>	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	8.83	8.13	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
<b>Aoyama, Seika (JPN) (1996)</b>	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	8.46	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	
<b>Utsunomiya, Eri (JPN) (1993)</b>	time	6.72	12.37	18.40	24.79	24.79	8 / 1				
	reaction time		interval	5.65	6.03	6.39	<b>PB</b>	# of strides	12.37	12.42	-0.05
		velocity	7.44	8.85	8.29	7.82	8.07	8.08	8.05		

<b>Yamasaki, Yuki (JPN) (1995)</b>	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	8.53	7.26	7.93	8.02	7.84	

<b>Hemphill, Megu (JPN) (1996)</b>	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	8.24	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
<b>Kiryama, Chie (JPN) (1991)</b>	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	8.08	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](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
<b>Miller-Uibo, Shaunae (BAH) (19)</b>	time		11.38		21.88	21.88	7 / 1			
	reaction time	0.129	interval		10.50	<b>NR</b>	# of strides	11.38	10.50	0.88
		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 *Pollitt (2018) - biomechanical report for the IAAF World Champs- London 2017- Women's 200m Takahashi (2017) - 200m running performance analysis in the 2017 season*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Schippers, Dafne (NED) (1992)</b>	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	9.67	8.71	9.07	9.92	9.17	

<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	time	6.17	11.17	16.39	22.08	22.08	4 / 2			<i>Takahashi (2017)</i>	
	reaction time	0.199	interval	5.00	5.22	5.69	<b>NR</b>	# of strides	11.17	10.91	0.26
		velocity	8.10	10.00	9.58	8.79	9.06	98.1	8.95	9.17	

<b>Miller-Uibo, Shaunae (BAH) (19)</b>	time	6.31	11.37	16.59	22.15	22.15	5 / 3			<i>Takahashi (2017)</i>	
	reaction time	0.147	interval	5.06	5.22	5.56	# of strides	11.37	10.78	0.59	
		velocity	7.92	9.88	9.58	8.99	9.03	90.6	8.80	9.28	

<b>Asher-Smith, Dina (GBR) (1995)</b>	time		11.09	16.34	22.05	22.22	8 / 4			<i>Pollitt (2018)</i>
	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	

<b>Stevens, Deajah (USA) (1995)</b>	time	11.19	16.47	22.26	22.44	7 / 5				<i>Pollitt (2018)</i>
	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		
<b>Duncan, Kimberlyn (USA) (1991)</b>	time	11.15	16.46	22.39	22.59	9 / 6				<i>Pollitt (2018)</i>
	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		
<b>Emmanuel, Crystal (CAN) (1991)</b>	time	11.23	16.63	22.44	22.60	2 / 7				<i>Pollitt (2018)</i>
	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		
<b>Gaither, TyNia (BAH) (1993)</b>	time	11.46	16.96	22.91	23.07	3 / 8				<i>Pollitt (2018)</i>
	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

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
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	time	6.23	11.26	16.60	22.50	22.50	5 / 1			<i>Takahashi (2017)</i>
	reaction time	0.198	interval	5.03	5.90	# of strides		11.26	11.24	0.02
	velocity	8.03	9.94	9.36	8.47	8.89	99.3	8.88	8.90	
<b>Asher-Smith, Dina (GBR) (1995)</b>	time	11.13	16.55	22.58	22.73	4 / 2				<i>Pollitt (2018)</i>
	reaction time	0.153	interval	5.42	6.03	# of strides		11.13	11.45	-0.32
	velocity	8.98	9.23	8.29	8.80	97.4		8.98	8.73	
<b>Emmanuel, Crystal (CAN) (1991)</b>	time	11.20	16.67	22.68	22.85	6 / 3				<i>Pollitt (2018)</i>
	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	
<b>Gaither, TyNia (BAH) (1993)</b>	time	11.35	16.76	22.70	22.85	7 / 4				<i>Pollitt (2018)</i>
	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	
<b>Belimbasáki, Maria (GRE) (1991)</b>	time	11.51	17.01	23.01	23.21	8 / 5				<i>Pollitt (2018)</i>
	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	
<b>Rosa, Vitoria Cristina (BRA) (1991)</b>	time	11.37	16.94	23.14	23.31	9 / 6				<i>Pollitt (2018)</i>
	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	
<b>Williams, Jodean (JAM) (1993)</b>	time	11.51	17.08	23.14	23.32	2 / 7				<i>Pollitt (2018)</i>
	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	
<b>Raffai, Estelle (FRA) (1998)</b>	time	11.54	17.14	23.27	23.45	3 / 8				<i>Pollitt (2018)</i>
	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

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
<b>Miller-Uibo, Shaunae (BAH) (1991)</b>	time	6.39	11.47	16.74	22.49	22.49	7 / 1			<i>Takahashi (2017)</i>
	reaction time	0.147	interval	5.08	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	
<b>Duncan, Kimberlyn (USA) (1991)</b>	time	11.35	16.72	22.55	22.73	4 / 2				<i>Pollitt (2018)</i>
	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	
<b>Kambundji, Mujinga (SUI) (1992)</b>	time	11.19	16.68	22.87	23.00	5 / 3				<i>Pollitt (2018)</i>
	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	
<b>Facey, Simone (JAM) (1985)</b>	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

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

velocity	8.90	9.16	8.16	8.69	101.0	8.90	8.63
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<b>Odiong, Ofonime (BRN) (1997)</b>	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	

<b>Williams, Bianca (GBR) (1993)</b>	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	

<b>Hackett, Semoy (TTO) (1988)</b>	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

date	10-Aug-17	wind	-0.2 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Schippers, Dafne (NED) (1992)</b>	time	6.26	11.25	16.58	22.49	22.49	5 / 1			<i>Takahashi (2017)</i>
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	

<b>Stevens, Deajah (USA) (1995)</b>	time	11.26	16.64	22.55	22.71	6 / 2			<i>Pollitt (2018)</i>
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	

<b>Lalova-Collio, Iveta (BUL) (1984)</b>	time	11.36	16.84	22.81	22.96	7 / 3			<i>Pollitt (2018)</i>
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	

<b>Haase, Rebekka (GER) (1993)</b>	time	11.31	16.84	22.87	23.03	4 / 4			<i>Pollitt (2018)</i>
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	

<b>Forbes, Sashalee (JAM) (1996)</b>	time	11.49	16.97	22.93	23.06	3 / 5			<i>Pollitt (2018)</i>
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	

<b>Atcho, Sarah (SUI) (1995)</b>	time	11.44	16.95	22.99	23.12	8 / 6			<i>Pollitt (2018)</i>
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	

<b>Palframan, Justine (RSA) (1993)</b>	time	11.62	17.08	23.05	23.21	2 / 7			<i>Pollitt (2018)</i>
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	

<b>Strachan, Anthonique (BAH) (1993)</b>	time	11.69	17.17	23.00	23.21	9 / 8			<i>Pollitt (2018)</i>
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

date	08-Aug-17	wind	0.1 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ta Lou, Marie-Josée (CIV) (1988)</b>	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

date	08-Aug-17	wind	-0.1 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Miller-Uibo, Shaunae (BAH) (1993)</b>	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

date	08-Aug-17	wind	0.5 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Schippers, Dafne (NED) (1992)</b>	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
<b>Aono, Akari (JPN) (2000)</b>	time	6.31	12.26	17.86	23.98	23.98	7 / 1			
reaction time	0.158	interval	5.95	5.60	6.12		# of strides	12.26	11.72	0.54
		velocity	7.92	8.40	8.93	8.17	8.34	8.16	8.53	
<b>Okumura, Yuri (JPN) (2000)</b>	time	6.25	12.29	18.04	24.34	24.34	5 / 2			
reaction time	0.152	interval	6.04	5.75	6.30		# of strides	12.29	12.05	0.24
		velocity	8.00	8.28	8.70	7.94	8.22	8.14	8.30	
<b>Yamada, Miki (JPN) (1999)</b>	time	6.31	12.25	18.02	24.43	24.43	6 / 3			
reaction time	0.184	interval	5.94	5.77	6.41		# of strides	12.25	12.18	0.07
		velocity	7.92	8.42	8.67	7.80	8.19	8.16	8.21	
<b>Kodama, Mei (JPN) (1999)</b>	time	6.27	12.32	18.12	24.44	24.44	3 / 4			
reaction time	0.194	interval	6.05	5.80	6.32		# of strides	12.32	12.12	0.20
		velocity	7.97	8.26	8.62	7.91	8.18	8.12	8.25	
<b>Igoshi, Akari (JPN) (2000)</b>	time	6.30	12.43	18.30	24.56	24.56	9 / 5			
reaction time	0.177	interval	6.13	5.87	6.26		# of strides	12.43	12.13	0.30
		velocity	7.94	8.16	8.52	7.99	8.14	8.05	8.24	
<b>Miura, Yuna (JPN) (2002)</b>	time	6.24	12.29	18.10	24.66	24.66	4 / 6			
reaction time	0.161	interval	6.05	5.81	6.56		# of strides	12.29	12.37	-0.08
		velocity	8.01	8.26	8.61	7.62	8.11	8.14	8.08	
<b>Kawanaka, Aori (JPN) (2001)</b>	time	6.33	12.44	18.28	24.79	24.79	8 / 7			
reaction time	0.167	interval	6.11	5.84	6.51		# of strides	12.44	12.35	0.09
		velocity	7.90	8.18	8.56	7.68	8.07	8.04	8.10	
<b>Saito, Manami (JPN) (1999)</b>	time	6.33	12.49	18.39	24.90	24.90	2 / 8			
reaction time	0.159	interval	6.16	5.90	6.51		# of strides	12.49	12.41	0.08
		velocity	7.90	8.12	8.47	7.68	8.03	8.01	8.06	

## 2017 Japanese National Championships (Osaka, JPN)

## FINAL

date 25-Jun-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
<b>Ichikawa, Kana (JPN) (1991)</b>	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	
<b>Imai, Saori (JPN) (1990)</b>	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	
<b>Nakamura, Mizuki (JPN) (1996)</b>	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	
<b>Maeyama, Miyu (JPN) (1996)</b>	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	
<b>Fukushima, Chisato (JPN) (1988)</b>	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	
<b>Iki, Ichiko (JPN) (1997)</b>	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	
<b>Shimada, Yukina (JPN) (1998)</b>	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	

<b>Saito, Ami (JPN) (1999)</b>	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

	date	10-Jun-17	wind	1.1 m/s	<i>USTFCCCA (2017) - NCAA DI outdoor championship history</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jefferson, Kyra (USA) (1994)</b>	time		11.5		22.0	22.02	5 / 1				
reaction time		interval			10.50	<b>PB</b>	# of strides	11.50	10.50	1.00	
		velocity	8.70		9.52	9.08	97.2	8.70	9.52		
<b>Washington, Ariana (USA) (199)</b>	time		11.6		22.4	22.39	8 / 2				
reaction time		interval			10.80		# of strides	11.60	10.80	0.80	
		velocity	8.62		9.26	8.93	80.2	8.62	9.26		
<b>Thomas, Gabrielle (USA) (1996)</b>	time		11.6		22.6	22.61	6 / 3				
reaction time		interval			11.00		# of strides	11.60	11.00	0.60	
		velocity	8.62		9.09	8.85	89.7	8.62	9.09		

### 2017 Shimane High School Championships (Izumo, JPN)

#### FINAL

	date	28-May-17	wind	-1.3 m/s	<i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yuki Ishikawa (JPN)</b>	time		12.53		24.81	24.81	7 / 1				
reaction time		interval			12.28		# of strides	12.53	12.28	0.25	
		velocity	7.98		8.14	8.06		7.98	8.14		
<b>大賀 結莉</b>	time		13.07		25.77	25.77	5 / 2				
reaction time		interval			12.70		# of strides	13.07	12.70	0.37	
		velocity	7.65		7.87	7.76		7.65	7.87		
<b>戸屋 萌南</b>	time		12.92		25.92	25.92	6 / 3				
reaction time		interval			13.00		# of strides	12.92	13.00	-0.08	
		velocity	7.74		7.69	7.72		7.74	7.69		
<b>前田 瑠音</b>	time		12.83		25.95	25.95	9 / 4				
reaction time		interval			13.12		# of strides	12.83	13.12	-0.29	
		velocity	7.79		7.62	7.71		7.79	7.62		
<b>米田 涼帆</b>	time		13.12		26.21	26.21	4 / 5				
reaction time		interval			13.09		# of strides	13.12	13.09	0.03	
		velocity	7.62		7.64	7.63		7.62	7.64		
<b>大下 愛梨</b>	time		13.33		26.99	26.99	8 / 6				
reaction time		interval			13.66		# of strides	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

	date	21-May-17	wind	0.6 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Lalova-Collio, Ivet (BUL) (1984)</b>	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	
<b>Townsend, Tiffany (USA) (1989)</b>	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	
<b>Wisil, Toea (PNG) (1988)</b>	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	
<b>Williams, Charonda (USA) (1987)</b>	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	

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

<b>Ichikawa, Kana (JPN) (1991)</b>	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
<b>Whitney, Kaylin (USA) (1998)</b>	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
<b>Imai, Saori (JPN) (1990)</b>	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

## 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
<b>Fukushima, Chisato (JPN) (1988)</b>	time	6.44	11.83	17.62	23.91	23.91	5 / 1			
reaction time		interval	5.39	5.79	6.29		# of strides	11.83	12.08	-0.25
		velocity	7.76	9.28	8.64	7.95	8.36	8.45	8.28	
<b>Imai, Saori (JPN) (1990)</b>	time	6.78	12.39	18.15	24.21	24.21	4 / 2			
reaction time		interval	5.61	5.76	6.06		# of strides	12.39	11.82	0.57
		velocity	7.37	8.91	8.68	8.25	8.26	8.07	8.46	
<b>Breen, Melissa (AUS) (1990)</b>	time	6.58	12.07	17.93	24.27	24.27	6 / 3			
reaction time		interval	5.49	5.86	6.34		# of strides	12.07	12.20	-0.13
		velocity	7.60	9.11	8.53	7.89	8.24	8.29	8.20	
<b>Ichikawa, Kana (JPN) (1991)</b>	time	6.70	12.16	17.93	24.28	24.28	7 / 4			
reaction time		interval	5.46	5.77	6.35		# of strides	12.16	12.12	0.04
		velocity	7.46	9.16	8.67	7.87	8.24	8.22	8.25	
<b>Fujisawa, Sayaka (JPN) (1991)</b>	time	6.78	12.32	18.16	24.52	24.52	9 / 5			
reaction time		interval	5.54	5.84	6.36		# of strides	12.32	12.20	0.12
		velocity	7.37	9.03	8.56	7.86	8.16	8.12	8.20	
<b>Barber, Jade (USA) (1993)</b>	time	6.75	12.30	18.32	24.80	24.80	8 / 6			
reaction time		interval	5.55	6.02	6.48		# of strides	12.30	12.50	-0.20
		velocity	7.41	9.01	8.31	7.72	8.06	8.13	8.00	
<b>Aoyama, Seika (JPN) (1996)</b>	time	6.79	12.55	18.47	24.83	24.83	3 / 7			
reaction time		interval	5.76	5.92	6.36		# of strides	12.55	12.28	0.27
		velocity	7.36	8.68	8.45	7.86	8.05	7.97	8.14	
<b>Wada, Maki (JPN) (1986)</b>	time	6.58	12.31	18.40	25.10	25.10	2 / 8			
reaction time		interval	5.73	6.09	6.70		# of strides	12.31	12.79	-0.48
		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
<b>Thompson, Elaine (JAM) (1992)</b>	time		11.0		21.78	21.78	6 / 1			
reaction time	0.152	interval			10.78		# of strides	11.00	10.78	0.22
		velocity	9.09		9.28	9.18	97.5	9.09	9.28	
<b>Schippers, Dafne (NED) (1992)</b>	time		11.2		21.88	21.88	4 / 2			
reaction time	0.141	interval			10.68		# of strides	11.20	10.68	0.52
		velocity	8.93		9.36	9.14	91.7	8.93	9.36	
<b>Bowie, Tori (USA) (1990)</b>	time		11.3		22.15	22.15	5 / 3			
reaction time	0.143	interval			10.85		# of strides	11.30	10.85	0.45
		velocity	8.85		9.22	9.03	91.5	8.85	9.22	
<b>Ta Lou, Marie Josée (CIV) (1988)</b>	time		11.3		22.21	22.21	3 / 4			
reaction time	0.153	interval			10.91	<b>NR PB</b>	# of strides	11.30	10.91	0.39



	velocity	8.85	9.17	9.00	98.0	8.85	9.17	
<b>Asher-Smith, Dina (GBR) (1995)</b>	time	11.3	22.31	22.31	2 / 5			
	reaction time	0.135	interval	11.01	# of strides	11.30	11.01	0.29
	velocity	8.85	9.08	8.96	97.0	8.85	9.08	
<b>Ahye, Michelle-Lee (TTO) (1992)</b>	time	11.2	22.34	22.34	7 / 6			
	reaction time	0.158	interval	11.14	# of strides	11.20	11.14	0.06
	velocity	8.93	8.98	8.95	97.5	8.93	8.98	
<b>Stevens, Deajah (USA) (1995)</b>	time	11.5	22.65	22.65	1 / 7			
	reaction time	0.171	interval	11.15	# of strides	11.50	11.15	0.35
	velocity	8.70	8.97	8.83	91.0	8.70	8.97	
<b>Lalova-Collio, Iveta (BUL) (1984)</b>	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 5**date 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](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
<b>Fukushima, Chisato (JPN) (1988)</b>	time	11.46	23.21	23.21	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
<b>Saito, Ami (JPN) (1999)</b>	time	6.02	11.83	17.46	23.60	23.60	5 / 1			
	reaction time	0.156	interval	5.81	6.14	# of strides	11.83	11.77	0.06	
	velocity	8.31	8.61	8.88	8.14	8.47	8.45	8.50		
<b>Sasaki, Azusa (JPN) (1998)</b>	time	6.07	12.04	17.80	24.00	24.00	6 / 2			
	reaction time	0.153	interval	5.97	6.20	<b>PB</b>	# of strides	12.04	11.96	0.08
	velocity	8.24	8.38	8.68	8.06	8.33	8.31	8.36		
<b>Shibata, Mie (JPN) (1998)</b>	time	6.23	12.30	18.19	24.41	24.41	7 / 3			
	reaction time	0.183	interval	6.07	6.22	# of strides	12.30	12.11	0.19	
	velocity	8.03	8.24	8.49	8.04	8.19	8.13	8.26		
<b>Aoki, Rin (JPN) (1998)</b>	time	6.32	12.38	18.21	24.55	24.55	8 / 4			
	reaction time	0.177	interval	6.06	6.34	# of strides	12.38	12.17	0.21	
	velocity	7.91	8.25	8.58	7.89	8.15	8.08	8.22		
<b>Shimada, Yukina (JPN) (1998)</b>	time	6.19	12.30	18.25	24.55	24.55	4 / 5			
	reaction time	0.179	interval	6.11	6.30	# of strides	12.30	12.25	0.05	
	velocity	8.08	8.18	8.40	7.94	8.15	8.13	8.16		
<b>Hatano, Minami (JPN) (1998)</b>	time	6.32	12.45	18.32	24.56	24.56	9 / 6			
	reaction time	0.150	interval	6.13	6.24	# of strides	12.45	12.11	0.34	
	velocity	7.91	8.16	8.52	8.01	8.14	8.03	8.26		
<b>Kishimoto, Wakana (JPN) (1998)</b>	time	6.26	12.36	18.26	24.58	24.58	3 / 7			
	reaction time	0.170	interval	6.10	6.32	# of strides	12.36	12.22	0.14	
	velocity	7.99	8.20	8.47	7.91	8.14	8.09	8.18		
<b>Fujii, Ayano (JPN) (1998)</b>	time	6.36	12.54	18.47	24.89	24.89	2 / 8			
	reaction time	0.190	interval	6.18	6.42	# of strides	12.54	12.35	0.19	
	velocity	7.86	8.09	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](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
<b>Schippers, Dafne (NED) (1992)</b>	time	11.29	22.13	22.13	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		
<b>Townsend, Tiffany (USA) (1989)</b> 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	<i>Hymans (2020) - history of the US olympic trials - track and field</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bowie, Towie (USA) (1990)</b> time			11.2	22.25	22.25	7 / 1					
reaction time	0.232	interval		11.05	# of strides	11.20	11.05	0.15			
velocity			8.93	9.05	8.99	91.7	8.93	9.05			
<b>Stevens, Deajah (USA) (1995)</b> time			11.4	22.30	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			
<b>Prandini, Jenna (USA) (1992)</b> time			11.3	22.53	22.53	6 / 3					
reaction time	0.187	interval		11.23	# of strides	11.30	11.23	0.07			
velocity			8.85	8.90	8.88	96.2	8.85	8.90			
<b>Felix, Allyson (USA) (1985)</b> time			11.5	22.54	22.54	5 / 4					
reaction time	0.187	interval		11.04	# of strides	11.50	11.04	0.46			
velocity			8.70	9.06	8.87	93.0	8.70	9.06			
<b>Washington, Ariana (USA) (199)</b> time			11.5	22.65	22.65	3 / 5					
reaction time	0.174	interval		11.15	# of strides	11.50	11.15	0.35			
velocity			8.70	8.97	8.83	92.2	8.70	8.97			
<b>Thomas, Gabrielle (USA) (1996)</b> time			11.6	22.72	22.72	8 / 6					
reaction time	0.205	interval		11.12	# of strides	11.60	11.12	0.48			
velocity			8.62	8.99	8.80	90.0	8.62	8.99			
<b>Townsend, Tiffany (USA) (1989)</b> time			11.6	22.80	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			
<b>Tarmoh, Jeneba (USA) (1989)</b> time			11.8	23.72	23.72	1 / 8					
reaction time	0.189	interval		11.92	# of strides	11.80	11.92	-0.12			
velocity			8.47	8.39	8.43		8.47	8.39			

## 2016 Japanese National Championships (Nagoya, JPN)

### FINAL

	date	26-Jun-16	wind	1.8 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fukushima, Chisato (JPN) (1988)</b> 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	
<b>Saito, Ami (JPN) (1999)</b> 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	
<b>Nagano, Mariko (JPN) (1994)</b> 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	
<b>Banno, Rio (JPN) (1990)</b> 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	
<b>Maeyama, Miyu (JPN) (1996)</b> 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)

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 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](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
<b>Schippers, Dafne (NED) (1992)</b>	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
<b>Atcho, Sarah (SUI) (1995)</b>	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	
<b>Kora, Salomé (SUI) (1994)</b>	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**

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
<b>Sprunger, Léa (SUI) (1990)</b>	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
<b>Sprunger, Ellen (SUI) (1986)</b>	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
<b>Kora, Salomé (SUI) (1994)</b>	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
<b>Atcho, Sarah (SUI) (1995)</b>	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
<b>Del Ponte, Ajla (SUI) (1996)</b>	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
<b>Golay, Joëlle (SUI) (1987)</b>	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**

date 03-May-16 wind -1.5 m/s Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Pierre, Barbara (USA) (1987)</b>	time	6.32	11.69	17.52	23.99	23.99	/ 1			
	reaction time		interval	5.37	6.47		# of strides	11.69	12.30	-0.61
			velocity	7.91	9.31	8.58	8.34	8.55	8.13	
<b>Breen, Melissa (AUS) (1990)</b>	time	6.53	11.99	17.81	24.15	24.15	/ 2			
	reaction time		interval	5.46	6.34		# of strides	11.99	12.16	-0.17
			velocity	7.66	9.16	8.59	8.28	8.34	8.22	
<b>Brennan, Monica (AUS) (1994)</b>	time	6.66	12.16	17.91	24.15	24.15	/ 3			
	reaction time		interval	5.50	6.24		# of strides	12.16	11.99	0.17
			velocity	7.51	9.09	8.70	8.01	8.22	8.34	
<b>Ichikawa, Kana (JPN) (1991)</b>	time	6.75	12.26	18.00	24.28	24.28	/ 4			
	reaction time		interval	5.51	6.28		# of strides	12.26	12.02	0.24
			velocity	7.41	9.07	8.71	8.24	8.16	8.32	

**B FINAL**

03-May-16 wind 0.5 m/s Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad

		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



<b>Saito, Ami (JPN) (1999)</b>	time	6.78	12.31	17.92	23.96	23.96	/ 1			
reaction time	interval		5.53	5.61	6.04	<b>PB</b>	# 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** 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
<b>Nagano, Mariko (JPN) (1994)</b>	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)** *Butler (2019) - IAAF world championships - Doha 2019: statistics handbook*

**FINAL** date 28-Aug-15 wind 0.2 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
<b>Schippers, Dafne (NED) (1992)</b>	time	6.22	11.13	16.17	21.63	21.63	6 / 1			
reaction time	interval	0.149	4.91	5.04	5.46	<b>AR</b>	# 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	
<b>Thompson, Elaine (JAM) (1992)</b>	time	6.21	11.06	16.12	21.66	21.66	5 / 2			
reaction time	interval	0.195	4.85	5.06	5.54	<b>PB</b>	# 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	
<b>Campbell-Brown, Veronica (JAM) (1984)</b>	time	6.12	11.04	16.25	21.97	21.97	2 / 3			
reaction time	interval	0.142	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	
<b>McGrone, Candyce (USA) (1989)</b>	time		11.0		22.0	22.01	7 / 4			
reaction time	interval	0.158			11.00	<b>PB</b>	# of strides	11.00	11.00	0.00
	velocity		9.09		9.09	9.09	96.5	9.09	9.09	
<b>Asher-Smith, Dina (GBR) (1995)</b>	time		11.2		22.1	22.07	4 / 5			
reaction time	interval	0.162			10.90	<b>NR PB</b>	# of strides	11.20	10.90	0.30
	velocity		8.93		9.17	9.06	92.2	8.93	9.17	
<b>Tarmoh, Jeneba (USA) (1989)</b>	time		11.2		22.3	22.31	8 / 6			
reaction time	interval	0.150			11.10		# of strides	11.20	11.10	0.10
	velocity		8.93		9.01	8.96	90.2	8.93	9.01	
<b>Lalova-Collio, Ivet (BUL) (1984)</b>	time		11.4		22.4	22.41	3 / 7			
reaction time	interval	0.157			11.00		# of strides	11.40	11.00	0.40
	velocity		8.77		9.09	8.92	92.2	8.77	9.09	
<b>Simpson, Sherone (JAM) (1984)</b>	time		11.4		22.5	22.50	9 / 8			
reaction time	interval	0.148			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
<b>Fukushima, Chisato (JPN) (1988)</b>	time	6.29	11.54	17.16	23.30	23.30	2 / 5			
reaction time	interval	0.157	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)** *Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics*

**FINAL** date 01-Aug-15 wind -3.4 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kawamura, Tomomi (JPN) (1997)</b>	time	6.14	12.20	18.11	24.57	24.57	6 / 1			
reaction time	interval		6.06	5.91	6.46		# of strides	12.20	12.37	-0.17
	velocity	8.14	8.25	8.46	7.74	8.14		8.20	8.08	
<b>Sugiyama, Sumire (JPN) (1997)</b>	time	6.33	12.44	18.23	24.60	24.60	8 / 2			
reaction time	interval		6.11	5.79	6.37	<b>PB</b>	# of strides	12.44	12.16	0.28
	velocity	7.90	8.18	8.64	7.85	8.13		8.04	8.22	
<b>Edobar, Iyoba (JPN) (1997)</b>	time	6.32	12.43	18.30	24.71	24.71	3 / 3			
reaction time	interval		6.11	5.87	6.41		# of strides	12.43	12.28	0.15
	velocity	7.91	8.18	8.52	7.80	8.09		8.05	8.14	

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

<b>Miyazaki, Amika (JPN) (1998)</b>	time	6.26	12.38	18.26	24.74	24.74	7 / 4			
reaction time	interval		6.12	5.88	6.48		# of strides	12.38	12.36	0.02
	velocity	7.99	8.17	8.50	7.72	8.08		8.08	8.09	
<b>Shibata, Mie (JPN) (1998)</b>	time	6.29	12.48	18.45	24.79	24.79	4 / 5			
reaction time	interval		6.19	5.97	6.34		# of strides	12.48	12.31	0.17
	velocity	7.95	8.08	8.38	7.89	8.07		8.01	8.12	
<b>Miyake, Marina (JPN) (1997)</b>	time	6.27	12.42	18.37	24.81	24.81	2 / 6			
reaction time	interval		6.15	5.95	6.44		# of strides	12.42	12.39	0.03
	velocity	7.97	8.13	8.40	7.76	8.06		8.05	8.07	
<b>Yuasa, Kanako (JPN) (1997)</b>	time	6.27	12.45	18.40	24.89	24.89	9 / 7			
reaction time	interval		6.18	5.95	6.49		# of strides	12.45	12.44	0.01
	velocity	7.97	8.09	8.40	7.70	8.04		8.03	8.04	
<b>Saito, Manami (JPN) (1999)</b>	time	6.48	12.90	18.85	25.30	25.30	5 / 8			
reaction time	interval		6.42	5.95	6.45		# of strides	12.90	12.40	0.50
	velocity	7.72	7.79	8.40	7.75	7.91		7.75	8.06	

**2015 Windsprint (Sundsvall, SWE)**

		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
<b>Hjelmer, Moa (SWE) (1990)</b>	time				12.10		23.57	23.57	3 / 1			
reaction time	interval						11.47		# of strides	12.10	11.47	0.63
	velocity				8.26		8.72	8.49		8.26	8.72	
<b>Williams, Sherika (JAM) 1985)</b>	time				12.10		23.71	23.71	4 / 2			
reaction time	interval						11.61		# of strides	12.10	11.61	0.49
	velocity				8.26		8.61	8.44		8.26	8.61	
<b>Slettum, Elisabeth (NOR) (1986)</b>	time				12.27		23.92	23.92	6 / 3			
reaction time	interval						11.65		# of strides	12.27	11.65	0.62
	velocity				8.15		8.58	8.36		8.15	8.58	
<b>Williams, Christiana (JAM) (199)</b>	time				12.25		24.33	24.33	2 / 4			
reaction time	interval						12.08		# of strides	12.25	12.08	0.17
	velocity				8.16		8.28	8.22		8.16	8.28	
<b>Latvala, Hanna-Maari (FIN) (198)</b>	time				12.25		24.58	24.58	5 / 5			
reaction time	interval						12.33		# of strides	12.25	12.33	-0.08
	velocity				8.16		8.11	8.14		8.16	8.11	
		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
<b>Tornemark, Pernilla (SWE) (198)</b>	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	
<b>Ström, Malin (SWE) (1986)</b>	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	
<b>Montler, Estelle (SWE) (1991)</b>	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	
<b>Næss, Heidi Hessian (NOR) (198)</b>	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 Japanese National Championships (Niigata, JPN)**

		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

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

<b>Fukushima, Chisato (JPN) (1988)</b>	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
<b>Fujisawa, Sayaka (JPN) (1991)</b>	time	6.70	12.10	17.70	23.81	23.81	6 / 2			
reaction time	0.178	interval	5.40	5.60	6.11	<b>PB</b>	# of strides	12.10	11.71	0.39
		velocity	7.46	9.26	8.93	8.18	8.40	102.0	8.26	8.54
<b>Ichikawa, Kana (JPN) (1991)</b>	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
<b>Nakamura, Mitsugi (JPN) (1996)</b>	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
<b>Eguchi, Kotomi (JPN) (1997)</b>	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
<b>Nakano, Makoto (JPN) (1997)</b>	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
<b>Banno, Rio (JPN) (1990)</b>	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
<b>Aoyama, Seika (JPN) (1996)</b>	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	USTFCCA (2017) - NCAA DI outdoor championship history					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bryant, Dezerea (USA) (1993)</b>	time			11.3		22.2	22.18	6 / 1			
reaction time	interval				10.90	<b>PB</b>	# of strides	11.30	10.90	0.40	
	velocity		8.85		9.17	9.02		8.85	9.17		
<b>Prandini, Jenna (USA) (1992)</b>	time			11.3		22.2	22.21	3 / 2			
reaction time	interval				10.90	<b>PB</b>	# of strides	11.30	10.90	0.40	
	velocity		8.85		9.17	9.00		8.85	9.17		
<b>Brown, Kamaria (USA) (1992)</b>	time			11.4		22.2	22.24	5 / 3			
reaction time	interval				10.80	<b>PB</b>	# of strides	11.40	10.80	0.60	
	velocity		8.77		9.26	8.99		8.77	9.26		
<b>Jefferson, Kyra (USA) (1994)</b>	time			11.5		22.2	22.24	4 / 4			
reaction time	interval				10.70	<b>PB</b>	# of strides	11.50	10.70	0.80	
	velocity		8.70		9.35	8.99		8.70	9.35		
<b>Akinosun, Morolake (USA) (1999)</b>	time			11.7		22.5	22.52	7 / 5			
reaction time	interval				10.80	<b>PB</b>	# of strides	11.70	10.80	0.90	
	velocity		8.55		9.26	8.88		8.55	9.26		

### 2015 Seiko Golden Grand Prix (Kawasaki, JPN)

#### FINAL

		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
<b>Facey, Simone (JAM) (1985)</b>	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	
<b>Townsend, Tiffany (USA) (1989)</b>	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	



<b>Ta Lou, Marie Josée (CIV) (1988)</b>	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	
<b>Fukushima, Chisato (JPN) (1988)</b>	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	
<b>Renzhina, Yekaterina (RUS) (1991)</b>	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	
<b>Safronova, Olga (KAZ) (1991)</b>	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	
<b>Moore, LaShauntea (USA) (1988)</b>	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	
<b>Ichikawa, Kana (JPN) (1991)</b>	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

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
<b>Fukushima, Chisato (JPN) (1988)</b>	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	
<b>Ichikawa, Kana (JPN) (1991)</b>	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	
<b>Doi, Anna (JPN) (1995)</b>	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	
<b>Fujisawa, Sayaka (JPN) (1991)</b>	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	
<b>Banno, Rio (JPN) (1990)</b>	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	
<b>Kim Min-Ji (KOR) (1990)</b>	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	
<b>Wada, Maki (JPN) (1986)</b>	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	
<b>Miyake, Naoka (JPN) (1991)</b>	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 Windsprint (Sundsvall, SWE)

#### 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
<b>Williams, Christania (JAM) (1999)</b>	time		11.81		23.22	23.22	4 / 1			
reaction time	interval				11.41		# of strides	11.81	11.41	0.40

	velocity	8.47	8.76	8.61		8.47	8.76	
<b>Okparaebo, Ezinne (NOR) (1988)</b>	time	11.69	23.69	23.69	3 / 2			
	reaction time	interval	12.00		# of strides	11.69	12.00	-0.31
	velocity	8.55	8.33	8.44		8.55	8.33	
<b>Nilsson, Pernilla (SWE) (1992)</b>	time	12.16	23.94	23.94	2 / 3			
	reaction time	interval	11.78		# of strides	12.16	11.78	0.38
	velocity	8.22	8.49	8.35		8.22	8.49	
<b>Jensen, Christine (NOR) (1994)</b>	time	12.38	24.36	24.36	6 / 4			
	reaction time	interval	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
<b>Slettum, Elisabeth (NOR) (1986)</b>	time		12.49		24.11	24.11	4 / 1				
	reaction time	interval			11.62		# of strides	12.49	11.62		0.87
	velocity	8.01	8.61	8.30		8.01	8.61				
<b>Bamane, Gladys (SWE) (1989)</b>	time		12.55		24.62	24.62	2 / 2				
	reaction time	interval			12.07	<b>PB</b>	# of strides	12.55	12.07		0.48
	velocity	7.97	8.29	8.12		7.97	8.29				
<b>Tornemark, Pernilla (SWE) (1988)</b>	time		12.55		24.81	24.81	3 / 3				
	reaction time	interval			12.26		# of strides	12.55	12.26		0.29
	velocity	7.97	8.16	8.06		7.97	8.16				
<b>Tomb, Stine (NOR) (1986)</b>	time		12.71		25.33	25.33	5 / 4				
	reaction time	interval			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
<b>Morgan, Lynette (SWE) (1991)</b>	time		12.65		24.55	24.55	5 / 1				
	reaction time	interval			11.90	<b>PB</b>	# of strides	12.65	11.90		0.75
	velocity	7.91	8.40	8.15		7.91	8.40				
<b>Hellberg-Jonsén, Sofia (SWE) (1991)</b>	time		12.52		25.07	25.07	2 / 2				
	reaction time	interval			12.55		# of strides	12.52	12.55		-0.03
	velocity	7.99	7.97	7.98		7.99	7.97				
<b>Grønneberg, Alvilde (NOR) (1991)</b>	time		12.86		25.15	25.15	4 / 3				
	reaction time	interval			12.29		# of strides	12.86	12.29		0.57
	velocity	7.78	8.14	7.95		7.78	8.14				
<b>Hässel, Julia (SWE) (1994)</b>	time		12.65		25.16	25.16	3 / 4				
	reaction time	interval			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
<b>Samuelsson, Jessica (SWE) (1988)</b>	time		12.59		24.57	24.57	4 / 1				
	reaction time	interval			11.98		# of strides	12.59	11.98		0.61
	velocity	7.94	8.35	8.14		7.94	8.35				
<b>Johansson, Malin (SWE) (1992)</b>	time		12.76		24.92	24.92	2 / 2				
	reaction time	interval			12.16	<b>PB</b>	# of strides	12.76	12.16		0.60
	velocity	7.84	8.22	8.03		7.84	8.22				
<b>Sønnerfors, Marie (SWE) (1993)</b>	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				
<b>Evensen, Marianne (NOR) (1996)</b>	time		13.34		26.33	26.33	3 / 4				
	reaction time	interval			12.99		# of strides	13.34	12.99		0.35

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	7.70	7.60	7.50	7.70
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**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
<b>Næss, Heidi Hessian (NOR) (198)</b> time	13.14			25.42	25.42	5 / 1			
reaction time interval				12.28		# of strides	13.14	12.28	0.86
velocity	7.61		8.14	7.87			7.61	8.14	
<b>Brubak, Mari Gilde (NOR) (1990)</b> time	13.10			25.51	25.51	3 / 2			
reaction time interval				12.41		# of strides	13.10	12.41	0.69
velocity	7.63		8.06	7.84			7.63	8.06	
<b>Jansson, Ida (SWE) (1995)</b> time	13.08			25.67	25.67	4 / 3			
reaction time interval				12.59		# of strides	13.08	12.59	0.49
velocity	7.65		7.94	7.79			7.65	7.94	
<b>Ullgren, Moa (SWE) (1996)</b> time	13.17			26.30	26.30	2 / 4			
reaction time interval				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
<b>Wallström, Frida (SWE) (1995)</b> 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	
<b>Sögnestad, Emelie (NOR) (1994)</b> 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	
<b>Jirhed, Josefine (SWE) (1995)</b> 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 NCAA Championships (Eugene, OR)

**FINAL**

date 14-Jun-14 wind 2.2 m/s USTFCCA (2017) - NCAA DI outdoor championship history

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Brown, Kamaria (USA) (1992)</b> time	11.6			22.6	22.63	5 / 1			
reaction time interval				11.00		# of strides	11.60	11.00	0.60
velocity	8.62		9.09	8.84			8.62	9.09	
<b>Prandini, Jenna (USA) (1992)</b> time	11.5			22.6	22.63	4 / 2			
reaction time interval				11.10		# of strides	11.50	11.10	0.40
velocity	8.70		9.01	8.84			8.70	9.01	
<b>Ekponé, Olivia (USA) (1993)</b> time	11.8			22.6	22.64	2 / 3			
reaction time interval				10.80		# of strides	11.80	10.80	1.00
velocity	8.47		9.26	8.83			8.47	9.26	

### 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
<b>Fraser-Pryce, Shelly-Ann (JAM)</b>	0.156	no information available			22.17	4 / 1		# of strides	100.5
<b>Ahouré, Murielle (CIV) (1987)</b>	0.180	no information available			22.32	6 / 2		# of strides	99.2
<b>Okagbare, Blessing (NGR) (1988)</b>	0.154	no information available			22.32	5 / 3		# of strides	90.5
<b>Miller, Shaunae (BAH) (1994)</b>	0.146	no information available			22.74	7 / 4		# of strides	90.2
<b>Tarmoh, Jeneba (USA) (1989)</b>	0.161	no information available			22.78	1 / 5		# of strides	94.5
<b>Williams, Charonda (USA) (1987)</b>	0.155	no information available			22.81	2 / 6		# of strides	96.2
<b>Ryemyen, Mariya (UKR) (1987)</b>	0.197	no information available			22.84	8 / 7		# of strides	98.2
<b>Felix, Allyson (USA) (1985)</b>	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
<b>Morrison, Natasha (JAM) (1992)</b> time	11.68	17.10	23.08	23.08	23.08	2 / 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	interval	5.42	5.98		# of strides	11.68	11.40	0.28
	velocity	8.56	9.23	8.36	8.67	8.56	8.77	
<b>Lee, Muna (USA) (1981)</b>	time	11.96	17.41	23.20	23.20	3 / 2		
reaction time	interval		5.45	5.79		# of strides	11.96	11.24
	velocity	8.36	9.17	8.64	8.62		8.36	8.90
<b>Hjelmar, Moa (SWE) (1990)</b>	time	11.91	17.43	23.28	23.28	4 / 3		
reaction time	interval		5.52	5.85		# of strides	11.91	11.37
	velocity	8.40	9.06	8.55	8.59		8.40	8.80
<b>Katsura, Yuliya (RUS) (1983)</b>	time	12.01	17.71	23.83	23.83	6 / 4		
reaction time	interval		5.70	6.12		# of strides	12.01	11.82
	velocity	8.33	8.77	8.17	8.39		8.33	8.46
<b>Thomas, Vashti (USA) (1990)</b>	time	12.21	18.14	24.55	24.55	5 / 5		
reaction time	interval		5.93	6.41		# of strides	12.21	12.34
	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
<b>Russell, Carrie (JAM) (1990)</b>	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	8.54	8.98	8.12	8.53			8.54	8.53	
<b>Foster, Amy (IRL) (1988)</b>	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	8.30	8.98	8.35	8.47			8.30	8.65	
<b>Slettum, Elisabeth (NOR) (1986)</b>	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	8.26	8.96	8.42	8.47			8.26	8.68	
<b>Busk, Daniella (SWE) (1993)</b>	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	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 &amp; women's Czech Republic national champs

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Rosolová, Denisa (CZE) (1986)</b>	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	7.65	9.54	9.01	8.45	8.60		8.49	8.72	
<b>Čechová, Katerina (CZE) (1988)</b>	time	6.43	11.73	17.30	23.40	23.40	3 / 2			
reaction time 0.161	interval		5.30	5.57	6.10	<b>PB</b>	# of strides	11.73	11.67	0.06
	velocity	7.78	9.43	8.98	8.20	8.55		8.53	8.57	
<b>Hejnová, Zuzana (CZE) (1986)</b>	time	6.65	12.00	17.62	23.65	23.65	4 / 3			
reaction time 0.134	interval		5.35	5.62	6.03	<b>PB</b>	# of strides	12.00	11.65	0.35
	velocity	7.52	9.35	8.90	8.29	8.46		8.33	8.58	
<b>Schmidová, Martina (CZE) (1990)</b>	time	6.72	12.53	17.84	23.97	23.97	7 / 4			
reaction time 0.241	interval		5.81	5.31	6.13	<b>PB</b>	# of strides	12.53	11.44	1.09
	velocity	7.44	8.61	9.42	8.16	8.34		7.98	8.74	
<b>Seidlová, Klára (CZE) (1994)</b>	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	
<b>Hrůvňová, Pavla (CZE) (1986)</b>	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	
<b>Sotáková, Jana (CZE) (1993)</b>	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

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

velocity	7.33	8.91	8.39	7.67	8.03	8.05	8.01
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**Heat 3**

date	16-Jun-13	wind	-0.3 m/s	<i>Feher (2013) - Final report from men's &amp; women's Czech Republic national champs</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hejnová, Zuzana (CZE) (1986)</b>	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	
<b>Procházková, Barbora (CZE) (1986)</b>	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	
<b>Sotáková, Jana (CZE) (1993)</b>	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	
<b>Janoušová, Jana (CZE) (1995)</b>	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	
<b>Mazáčová, Iveta (CZE) (1986)</b>	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**

date	16-Jun-13	wind	-1.1 m/s	<i>Feher (2013) - Final report from men's &amp; women's Czech Republic national champs</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Rosolová, Denisa (CZE) (1986)</b>	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	
<b>Hrívnová, Pavla (CZE) (1986)</b>	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	
<b>Humpolíková, Pavla (CZE) (1985)</b>	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	
<b>Hofmanová, Martina (CZE) (1991)</b>	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	
<b>Boríková, Michaela (CZE) (1995)</b>	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	
<b>Novotná, Lenka (CZE) (1997)</b>	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	<i>Feher (2013) - Final report from men's &amp; women's Czech Republic national champs</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Čechová, Katerina (CZE) (1988)</b>	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	
<b>Schmidová, Martina (CZE) (1990)</b>	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	
<b>Seidlová, Klára (CZE) (1994)</b>	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	
<b>Táborská, Monika (CZE) (1988)</b>	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

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

velocity	7.49	9.06	8.35	7.55	8.06		8.20	7.93		
<b>Štychová, Martina (CZE) (1992)</b>	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	
<b>Mrnová, Markéta (CZE) (1991)</b>	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	
<b>Chládková, Denisa (CZE) (1995)</b>	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](http://www.youtube.com/watch?v=MpQ2zdXjX-w)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hooper, Gloria (ITA) (1992)</b>	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 City Games (Manchester, GBR) (150m straightaway)**Jalava (2013) - [www.tilastopaja.org](http://www.tilastopaja.org)**FINAL**

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

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Felix, Allyson (USA) (1985)</b>	time	6.16	11.05	16.36	16.36	2 / 1			Jalava (2013)
reaction time	interval		4.89	5.31	WB	# of strides	11.05		10.20
	velocity	8.12	10.22	9.42	9.17		9.05		9.80
<b>Onuora, Anyika (GBR) (1984)</b>	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		
<b>Williams, Lauryn (USA) (1983)</b>	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		
<b>Williams, Jodie (GBR) (1993)</b>	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 City Games (Newcastle, GBR) (150m straightaway)****FINAL**date 15-Sep-12 wind 1.0 m/s Jalava (2012) - [www.tilastopaja.org](http://www.tilastopaja.org)

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Onuora, Anyika (GBR) (1984)</b>	time	6.36	11.34	16.70	16.70	3 / 1			
reaction time	interval		4.98	5.36	PB	# of strides	11.34		10.34
	velocity	7.86	10.04	9.33	8.98		8.82		9.67
<b>Mahan, Shayla (USA) (1989)</b>	time	6.27	11.39	16.99	16.99	4 / 2			
reaction time	interval		5.12	5.60	PB	# of strides	11.39		10.72
	velocity	7.97	9.77	8.93	8.83		8.78		9.33
<b>Barber, Mikele (USA) (1980)</b>	time	6.42	11.44	17.02	17.02	2 / 3			
reaction time	interval		5.02	5.58	PB	# of strides	11.44		10.60
	velocity	7.79	9.96	8.96	8.81		8.74		9.43
<b>Adeoye, Margaret (GBR) (1985)</b>	time	6.38	11.54	17.11	17.11	1 / 4			
reaction time	interval		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
<b>Felix, Allyson (USA) (1985)</b>	time		11.05		21.88	21.88	7 / 1			
reaction time	0.174	interval			10.83		# of strides	11.05	10.83	0.22
	velocity		9.05		9.23	9.14	98.2	9.05	9.23	

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



<b>Fraser-Price, Shelly-Ann (JAM)</b>	time	11.15	22.09	22.09	4 / 2				
reaction time	0.169	interval	10.94	<b>PB</b>	# of strides	11.15	10.94	0.21	
		velocity	8.97	9.14	9.05	96.2	8.97	9.14	
<b>Jeter, Carmelita (USA) (1979)</b>	time	11.08	22.14	22.14	9 / 3				
reaction time	0.167	interval	11.06		# of strides	11.08	11.06	0.02	
		velocity	9.03	9.04	9.03	96.0	9.03	9.04	
<b>Campbell-Brown, Veronica (JAI)</b>	time	11.10	22.38	22.38	5 / 4				
reaction time	0.176	interval	11.28		# of strides	11.10	11.28	-0.18	
		velocity	9.01	8.87	8.94	97.2	9.01	8.87	
<b>Richards-Ross, Sanya (USA) (1981)</b>	time	11.35	22.39	22.39	6 / 5				
reaction time	0.171	interval	11.04		# of strides	11.35	11.04	0.31	
		velocity	8.81	9.06	8.93	96.7	8.81	9.06	
<b>Ahoure, Murielle (CIV) (1987)</b>	time	11.27	22.57	22.57	8 / 6				
reaction time	0.161	interval	11.30		# of strides	11.27	11.30	-0.03	
		velocity	8.87	8.85	8.86	98.7	8.87	8.85	
<b>Soumaré, Myriam (FRA) (1986)</b>	time	11.41	22.63	22.63	2 / 7				
reaction time	0.157	interval	11.22		# of strides	11.41	11.22	0.19	
		velocity	8.76	8.91	8.84	98.2	8.76	8.91	
<b>Hackett, Semoy (TRI) (1988)</b>	time	11.45	22.87	22.87	3 / <del>3</del>				
reaction time	0.150	interval	11.42	<b>DV</b>	# 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
<b>Nobayashi, Yumi (JPN) (1995)</b>	time	6.71	12.47	18.04	24.22	24.22	8 / 1			
reaction time	interval		5.76	5.57	6.18	<b>PB</b>	# of strides	12.47	11.75	0.72
	velocity	7.45	8.68	8.98	8.09	8.26		8.02	8.51	
<b>Tsuhihashi, Tomoka (JPN) (1991)</b>	time	6.73	12.43	17.96	24.24	24.24	3 / 2			
reaction time	interval		5.70	5.53	6.28		# of strides	12.43	11.81	0.62
	velocity	7.43	8.77	9.04	7.96	8.25		8.05	8.47	
<b>Niwa, Arisa (JPN) (1995)</b>	time	6.81	12.52	18.09	24.34	24.34	4 / 3			
reaction time	interval		5.71	5.57	6.25		# of strides	12.52	11.82	0.70
	velocity	7.34	8.76	8.98	8.00	8.22		7.99	8.46	
<b>Banno, Rio (JPN) (1990)</b>	time	6.83	12.56	18.14	24.37	24.37	6 / 4			
reaction time	interval		5.73	5.58	6.23		# of strides	12.56	11.81	0.75
	velocity	7.32	8.73	8.96	8.03	8.21		7.96	8.47	
<b>Aoyama, Seika (JPN) (1996)</b>	time	6.80	12.60	18.17	24.38	24.38	7 / 5			
reaction time	interval		5.80	5.57	6.21		# of strides	12.60	11.78	0.82
	velocity	7.35	8.62	8.98	8.05	8.20		7.94	8.49	
<b>Takamori, Maho (JPN) (1996)</b>	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	
<b>Kitazawa, Saya (JPN) (1996)</b>	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	
<b>Oki, Sayaka (JPN) (1995)</b>	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	
<b>Nomura, Mayu (JPN)</b>	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

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	8.46	8.87	8.01	8.07	7.75	8.42
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**2012 USA Olympic Trials (Eugene, OR)****FINAL**

date	30-Jun-12	wind	1.0 m/s	<i>Hymans (2020) - history of the US olympic trials - track and field</i>					
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Felix, Allyson (USA) (1985)</b>	time			11.1		21.69	21.69	6 / 1			
	reaction time	0.203	interval			10.59	<b>PB</b>	# of strides	11.10	10.59	0.51
			velocity	9.01		9.44	9.22		9.01	9.44	
<b>Jeter, Carmelita (USA) (1979)</b>	time			11.2		22.11	22.11	8 / 2			
	reaction time	0.165	interval			10.91	<b>PB</b>	# of strides	11.20	10.91	0.29
			velocity	8.93		9.17	9.05		8.93	9.17	
<b>Richards-Ross, Sanya (USA) (1985)</b>	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	
<b>Duncan, Kimberlyn (USA) (1991)</b>	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	
<b>Tarmoh, Jeneba (USA) (1989)</b>	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	
<b>Madison, Tianna (USA) (1985)</b>	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	
<b>Knight, Bianca (USA) (1989)</b>	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	
<b>Scott, Aurieyall (USA) (1992)</b>	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	<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jones, Hayley (GBR) (1988)</b>	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	
<b>Hjelmer, Moa (SWE) (1990)</b>	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	
<b>Akinyemi, Folake (NOR) (1990)</b>	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	
<b>Wittstock, Estie (RSA) (1980)</b>	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	
<b>Horn, Carina (RSA) (1989)</b>	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 FINAL**

date	17-Jun-12	wind	1.9 m/s	<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>							
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cederkvist, Astrid (NOR) (1994)</b>	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	

<b>Östlund, Elin (SWE) (1991)</b>	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	
<b>Slettum, Elisabeth (NOR) (1986)</b>	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	
<b>Tornemark, Pernilla (SWE) (1988)</b>	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	
<b>Isaksen, Iren Vevatne (NOR) (1991)</b>	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 FINAL** date 17-Jun-12 wind 0.1 m/s (2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sneen, Siv (NOR) (1992)</b>	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	
<b>Grønhaug, Stine Marie (NOR)</b>	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	
<b>Jensen, Christine Bjelland (NOR)</b>	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	
<b>Panboon, Fanny (SWE) (1995)</b>	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	
<b>Nilsson, Evelina (SWE) (1994)</b>	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](http://www.tilastopaja.org)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Richards-Ross, Sanya (USA) (1988)</b>	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	
<b>Rosolová, Denisa (CZE) (1986)</b>	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	
<b>Adeoye, Margaret (GBR) (1985)</b>	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	
<b>Sanders, Nicola (GBR) (1982)</b>	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](http://www.tilastopaja.org)

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Moore, LaShaunte'a (USA) (1988)</b>	time		11.44	17.05	17.05	3 / 1			
reaction time	interval			5.61	<b>PB</b>	# of strides	11.44		
	velocity		8.74	8.91	8.80		8.74		



<b>Douglas, Montell (GBR) (1986)</b>	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		
<b>Tavares, Sónia (POR) (1986)</b>	time	11.84	17.82	17.82	4 / 3			
	reaction time	interval	5.98	<b>PB</b>	# of strides	11.84		
		velocity	8.45	8.36	8.42	8.45		
<b>O'Rourke, Derval (IRL) (1981)</b>	time	12.06	18.25	18.25	1 / 4			
	reaction time	interval	6.19	<b>PB</b>	# 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
<b>Campbell-Brown, Veronica (JAI)</b>	time	6.00	11.03	16.34	22.22	22.22	5 / 1			KSSB (2011)
	reaction time	0.151	interval	5.03	5.31	5.88	# of strides	11.03	11.19	-0.16
		velocity	8.33	9.94	9.42	8.50	9.00	98.5	9.07	8.94
<b>Jeter, Carmelita (USA) (1979)</b>	time	6.08	11.15	16.44	22.37	22.37	4 / 2			KSSB (2011)
	reaction time	0.178	interval	5.07	5.29	5.93	# of strides	11.15	11.22	-0.07
		velocity	8.22	9.86	9.45	8.43	8.94	98.2	8.97	8.91
<b>Felix, Allyson (USA) (1985)</b>	time	6.18	11.31	16.62	22.42	22.42	3 / 3			KSSB (2011)
	reaction time	0.187	interval	5.13	5.31	5.80	# of strides	11.31	11.11	0.20
		velocity	8.09	9.75	9.42	8.62	8.92	88.2	8.84	9.00
<b>Solomon, Shalonda (USA) (1981)</b>	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	
<b>Stewart, Kerron (JAM) (1984)</b>	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	
<b>Ferguson-McKenzie, Debbie (B)</b>	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	
<b>Stuy, Hrustyna (UKR) (1988)</b>	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	
<b>Simpson, Sherone (JAM) (1984)</b>	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
<b>Fukushima, Chisato (JPN) (1988)</b>	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	8.50	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
<b>Fukushima, Chisato (JPN) (1988)</b>	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	8.60	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
<b>Kokubo, Haruna (JPN) (1993)</b>	time	6.84	13.30	17.98	24.34	24.34	1 / 1			
	reaction time	interval	6.46	4.68	6.36		# of strides	13.30	11.04	2.26
		velocity	7.31	7.74	10.68	7.86	8.22	7.52	9.06	

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

<b>Ito, Mizuki (JPN) (1994)</b>	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	
<b>Yamada, Eri (JPN) (1993)</b>	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	
<b>Doi, Anna (JPN) (1995)</b>	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	
<b>Akashi, Yuri (JPN)</b>	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	
<b>Kimura, Akane (JPN) (1993)</b>	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	
<b>Kitano, Yuki (JPN)</b>	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	
<b>Hashizume, Sakina (JPN) (1993)</b>	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 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
<b>Fukushima, Chisato (JPN) (1988)</b>	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	
<b>Ichikawa, Kana (JPN) (1991)</b>	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	
<b>Okabe, Nao (JPN) (1988)</b>	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	
<b>Imai, Saori (JPN) (1990)</b>	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	
<b>Takahashi, Momoko (JPN) (1988)</b>	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	
<b>Nobuoka, Sakie (JPN) (1977)</b>	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	
<b>Miki, Shiori (JPN) (1991)</b>	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	
<b>Wada, Maki (JPN) (1986)</b>	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)

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 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
<b>Oyepitan, Abi (GBR) (1979)</b>	time	6.50	11.72	17.34	17.34	1 / 1			
	reaction time		interval	5.22		# of strides	11.72		10.84
	velocity	7.69	9.58	8.90	8.65		8.53		9.23
<b>Ennis, Jessica (GBR) (1986)</b>	time	6.43	11.72	17.40	17.40	3 / 2			
	reaction time		interval	5.29		# of strides	11.72		10.97
	velocity	7.78	9.45	8.80	8.62		8.53		9.12
<b>Turner, Laura (GBR) (1982)</b>	time	6.36	11.66	17.43	17.43	2 / 3			
	reaction time		interval	5.30	<b>PB</b>	# of strides	11.66		11.07
	velocity	7.86	9.43	8.67	8.61		8.58		9.03
<b>Nelson, Ashleigh (GBR) (1991)</b>	time	6.41	11.78	17.64	17.64	4 / 4			
	reaction time		interval	5.37	<b>PB</b>	# 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
<b>Felix, Allyson (USA) (1985)</b>	time	6.31	11.26	16.48	22.12	22.12	2 / 1			
	reaction time		interval	4.95	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	
<b>Soumaré, Myriam (FRA) (1986)</b>	time	6.42	11.67	17.26	23.35	23.35	4 / 2			
	reaction time		interval	5.25	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	
<b>Maduka, Joice (GBR) (1973)</b>	time	6.60	11.88	17.47	23.67	23.67	1 / 3			
	reaction time		interval	5.28	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	
<b>Ohuruogu, Christine (GBR) (1985)</b>	time	6.84	12.43	18.26	24.48	24.48	3 / 4			
	reaction time		interval	5.59	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
<b>Grompe, Katharina (GER) (1993)</b>	time		12.16	17.88	24.13	24.13	1 / 1			
	reaction time			interval	5.72	<b>PB</b>	# of strides	12.16	11.97	0.19
	velocity		8.22	8.74	8.00	8.29		8.22	8.35	
<b>Pähler, Stefanie (GER) (1993)</b>	time		12.48	18.15	24.22	24.22	1 / 2			
	reaction time			interval	5.67	<b>PB</b>	# of strides	12.48	11.74	0.74
	velocity		8.01	8.82	8.24	8.26		8.01	8.52	
<b>Haase, Rebekka (GER) (1993)</b>	time		12.48	18.16	24.27	24.27	1 / 3			
	reaction time			interval	5.68	<b>PB</b>	# of strides	12.48	11.79	0.69
	velocity		8.01	8.80	8.18	8.24		8.01	8.48	
<b>Frey, Carina (GER) (1994)</b>	time		12.33	18.09	24.41	24.41	1 / 4			
	reaction time			interval	5.76	<b>PB</b>	# of strides	12.33	12.08	0.25
	velocity		8.11	8.68	7.91	8.19		8.11	8.28	
<b>Schachtschneider, Maike (GER) (1994)</b>	time		12.51	18.23	24.48	24.48	1 / 5			
	reaction time			interval	5.72		# of strides	12.51	11.97	0.54
	velocity		7.99	8.74	8.00	8.17		7.99	8.35	
<b>Holzschuh, Marie (GER) (1994)</b>	time		12.62	18.34	24.54	24.54	1 / 6			
	reaction time			interval	5.72		# of strides	12.62	11.92	0.70
	velocity		7.92	8.74	8.06	8.15		7.92	8.39	
<b>Meyer, Lea Madlen (GER) (1993)</b>	time		12.65	18.52	24.86	24.86	1 / 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	
<b>John, Viviane (GER) (1993)</b>	time	12.71	18.60	25.14	25.14	/ 8			
reaction time	interval		5.89	6.54		# of strides	12.71	12.43	0.28
	velocity	7.87	8.49	7.65	7.96		7.87	8.05	

**B FINAL**

date 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
<b>Eich, Katharina (GER) (1993)</b>	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	
<b>Häfele, Sabrina (GER) (1993)</b>	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	
<b>Lutschak, Saskia (GER) (1995)</b>	time	13.05	18.98	25.44	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	
<b>Holsten, Sarina (GER) (1994)</b>	time	12.92	18.93	25.49	25.49	25.49	/ 4			
reaction time	interval		6.01	6.56			# of strides	12.92	12.57	0.35
	velocity	7.74	8.32	7.62	7.85			7.74	7.96	
<b>Müller, Laura (GER) (1995)</b>	time	12.93	19.01	25.50	25.50	25.50	/ 5			
reaction time	interval		6.08	6.49			# of strides	12.93	12.57	0.36
	velocity	7.73	8.22	7.70	7.84			7.73	7.96	
<b>Brandt, Julia (GER) (1993)</b>	time	13.01	19.02	25.64	25.64	25.64	/ 6			
reaction time	interval		6.01	6.62			# of strides	13.01	12.63	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
<b>Günther, Leena (GER) (1991)</b>	time	12.27	17.97	24.00	24.00	24.00	/ 1			
reaction time	interval		5.70	6.03		<b>PB</b>	# of strides	12.27	11.73	0.54
	velocity	8.15	8.77	8.29	8.33			8.15	8.53	
<b>Riedl, Martina (GER) (1992)</b>	time	12.41	18.21	24.36	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	
<b>Riedl, Julia (GER) (1992)</b>	time	12.43	18.15	24.45	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	
<b>Elsler, Josefina (GER) (1991)</b>	time	12.50	18.33	24.51	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	
<b>Schmidt, Annika (GER)</b>	time	12.64	18.57	25.02	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	
<b>Assel, Anna Lena (GER) (1991)</b>	time	12.83	18.76	25.21	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	
<b>Fretzschner, Isabel (GER) (1992)</b>	time	13.01	19.03	25.30	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	
<b>Wieß, Patricia (GER)</b>	time	13.13	19.15	25.46	25.46	25.46	/ 8			
reaction time	interval		6.02	6.31			# of strides	13.13	12.33	0.80

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

velocity	7.62	8.31	7.92	7.86	7.62	8.11
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**B FINAL**

		date	07-Aug-10	wind	-0.2 m/s	Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Buckel, Carlotta (GER) (1991)</b>	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
<b>Mathes, Larissa (GER) (1992)</b>	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
<b>Hablitzel, Sophia (GER) (1991)</b>	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
		velocity			7.86	8.50	7.87	8.01			7.86	8.18
<b>Kramer, Hannah (GER) (1991)</b>	time			12.72	18.73	25.26	25.26		/ 4			
	reaction time	interval			6.01	6.53			# of strides	12.72	12.54	0.18
		velocity			7.86	8.32	7.66	7.92			7.86	7.97
<b>Straub, Regina (GER) (1992)</b>	time			12.83	18.86	25.37	25.37		/ 5			
	reaction time	interval			6.03	6.51			# of strides	12.83	12.54	0.29
		velocity			7.79	8.29	7.68	7.88			7.79	7.97

**Heat 5**

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

**Heat 4**

		date	07-Aug-10	wind	0.9 m/s	Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Elsler, Josefina (GER) (1991)</b>	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**

		date	07-Aug-10	wind	1.0 m/s	Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Riedl, Julia (GER) (1992)</b>	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**

		date	07-Aug-10	wind	0.3 m/s	Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Riedl, Martina (GER) (1992)</b>	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**

		date	07-Aug-10	wind	0.0 m/s	Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Günther, Leena (GER) (1991)</b>	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
<b>Hasegawa, Misato (JPN) (1992)</b>	time			7.07	12.67	18.33	24.48	24.48		/ 1		
	reaction time	interval			5.60	5.66	6.15		# of strides	12.67	11.81	0.86
		velocity			7.07	8.93	8.83	8.13	8.17		7.89	8.47
<b>Hashizume, Sakina (JPN) (1993)</b>	time			6.84	12.50	18.30	24.53	24.53		/ 2		
	reaction time	interval			5.66	5.80	6.23	<b>PB</b>	# of strides	12.50	12.03	0.47
		velocity			7.31	8.83	8.62	8.03	8.15		8.00	8.31

<b>Takenaka, Hikaru (JPN) (1993)</b>	time	7.06	12.91	18.74	24.94	24.94	/ 3			
reaction time	interval		5.85	5.83	6.20		# of strides	12.91	12.03	0.88
	velocity	7.08	8.55	8.58	8.06	8.02		7.75	8.31	

### 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	
<b>Ennis, Jessica (GBR) (1986)</b>	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			
<b>Thompson, Shaunna (GBR) (1986)</b>	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			
<b>Ohuruogu, Christine (GBR) (1986)</b>	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			
<b>Barr, Jessica (GBR)</b>		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
<b>Felix, Allyson (USA) (1985)</b>	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		
<b>Ferguson-McKenzie, Debbie (B) (1978)</b>	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		
<b>Freeman, Emily (GBR) (1980)</b>	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		
<b>McConnell, Lee (GBR) (1978)</b>	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
<b>Felix, Allyson (USA) (1985)</b>	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	8.85	9.08		8.96	9.21	
<b>Campbell-Brown, Veronica (JAM) (1981)</b>	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	8.53	8.95		8.98	8.92	
<b>Ferguson-McKenzie, Debbie (B) (1978)</b>	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	8.68	8.92		8.86	8.99	
<b>Lee, Muna (USA) (1981)</b>	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	8.52	8.90		8.89	8.90	
<b>McLaughlin, Anneisha (JAM) (1981)</b>	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	8.53	8.84		8.75	8.94	
<b>Facey, Simone (JAM) (1985)</b>	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	8.33	8.77		8.78	8.76	
<b>Freeman, Emily (GBR) (1980)</b>	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	8.31	8.70		8.72	8.69	
<b>Artymata, Eleni (CYP) (1986)</b>	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	8.56	8.68		8.55	8.84	

**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	
<b>Lee, Muna (USA) (1981)</b>	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		
<b>Facey, Simone (JAM) (1985)</b>	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		
<b>Williams, Monique (NZL) (1985)</b>	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		
<b>Baptiste, Kelly-Ann (TTO) (1986)</b>	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		
<b>Hodge, Virgil (SKN) (1983)</b>	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		
<b>Gushchina, Yuliya (RUS) (1983)</b>	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**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	
<b>Felix, Allyson (USA) (1985)</b>	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		
<b>McLaughlin, Anneisha (JAM) (1985)</b>	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
	velocity	7.84	9.98	9.43	8.53	8.87		8.78	8.96		
<b>Jones-Ferrette, LaVerne (ISV) (1985)</b>	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		
<b>Mothersill, Cydonie (CAY) (1978)</b>	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		
<b>Williams, Charonda (USA) (1987)</b>	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		
<b>Zaytseva, Olga (RUS) (1984)</b>	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**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
<b>Ferguson-McKenzie, Debbie (Belize) (1981)</b>	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

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

	velocity	8.08	9.96	9.38	8.77	8.99		8.92	9.07	
<b>Campbell-Brown, Veronica (JAI)</b>	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	
<b>Freeman, Emily (GBR) (1980)</b>	time	6.29	11.40	16.79	22.64	22.64	3 / 3			
	reaction time	0.163	interval	5.11	5.39	5.85	<b>PB</b> # of strides	11.40	11.24	0.16
	velocity	7.95	9.78	9.28	8.55	8.83		8.77	8.90	
<b>Artymata, Eleni (CYP) (1986)</b>	time	6.46	11.57	16.92	22.64	22.64	8 / 4			
	reaction time	0.192	interval	5.11	5.35	5.72	<b>NR</b> # of strides	11.57	11.07	0.50
	velocity	7.74	9.78	9.35	8.74	8.83		8.64	9.03	
<b>Danois, Johanna (FRA) (1987)</b>	time	6.51	11.69	17.12	23.03	23.03	7 / 5			
	reaction time	0.178	interval	5.18	5.43	5.91	<b>PB</b> # of strides	11.69	11.34	0.35
	velocity	7.68	9.65	9.21	8.46	8.68		8.55	8.82	
<b>Al-Gasara, Rakia (BRN) (1982)</b>	time	6.54	11.75	17.27	23.26	23.26	2 / <del>6</del>			
	reaction time	0.243	interval	5.21	5.52	5.99	<b>DV</b> # of strides	11.75	11.51	0.24
	velocity	7.65	9.60	9.06	8.35	8.60		8.51	8.69	
<b>Bolsun, Yelena (RUS) (1982)</b>	time	6.44	11.69	17.18	23.27	23.27	1 / <del>6</del>			
	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**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
<b>Campbell-Brown, Veronica (JAI)</b>	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	
<b>Freeman, Emily (GBR) (1980)</b>	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	
<b>Borlée, Olivia (BEL) (1986)</b>	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	
<b>Ferguson, Sheniqua (BAH) (1982)</b>	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
<b>Mothersill, Cydonie (CAY) (1978)</b>	time	6.42	11.50	16.86	22.69	22.69	7 / 1			
	reaction time	0.193	interval	5.08	5.36	5.83	# of strides	11.50	11.19	0.31
	velocity	7.79	9.84	9.33	8.58	8.81		8.70	8.94	
<b>McLaughlin, Anneisha (JAM) (1982)</b>	time	6.43	11.52	16.91	22.91	22.91	6 / 2			
	reaction time	0.154	interval	5.09	5.39	6.00	<b>PB</b> # of strides	11.52	11.39	0.13
	velocity	7.78	9.82	9.28	8.33	8.73		8.68	8.78	
<b>Jones-Ferrette, LaVerne (ISV) (1982)</b>	time	6.17	11.24	16.75	22.97	22.97	4 / 3			
	reaction time	0.142	interval	5.07	5.51	6.22	# of strides	11.24	11.73	-0.49
	velocity	8.10	9.86	9.07	8.04	8.71		8.90	8.53	
<b>Anim, Vida (GHA) (1983)</b>	time	6.40	11.64	17.23	23.33	23.33	5 / 4			
	reaction time	0.168	interval	5.24	5.59	6.10	# of strides	11.64	11.69	-0.05
	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
<b>Hooker, Marshevet (USA) (1984)</b>	time	6.28	11.31	16.65	22.51	22.51	8 / 1			
	reaction time	0.181	interval	5.03	5.34	5.86	# of strides	11.31	11.20	0.11

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	9.94	9.36	8.53	8.88		8.84	8.93
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<b>Ferguson-McKenzie, Debbie (B)</b>	time	6.32	11.34	16.72	22.71	22.71	5 / 2			
reaction time	0.154	interval	5.02	5.38	5.99		# of strides	11.34	11.37	-0.03
	velocity	7.91	9.96	9.29	8.35	8.81		8.82	8.80	

<b>Artymata, Eleni (CYP) (1986)</b>	time	6.45	11.57	16.98	22.83	22.83	2 / 3			
reaction time	0.162	interval	5.12	5.41	5.85	NR	# of strides	11.57	11.26	0.31
	velocity	7.75	9.77	9.24	8.55	8.76		8.64	8.88	

<b>Bolsun, Yelena (RUS) (1982)</b>	time	6.37	11.50	17.00	23.06	23.06	4 / 4			
reaction time	0.139	interval	5.13	5.50	6.06		# of strides	11.50	11.56	-0.06
	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						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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<b>Felix, Allyson (USA) (1985)</b>	time	6.31	11.42	16.94	22.88	22.88	6 / 1			
reaction time	0.175	interval	5.11	5.52	5.94		# of strides	11.42	11.46	-0.04
	velocity	7.92	9.78	9.06	8.42	8.74		8.76	8.73	

<b>Williams, Monique (NZL) (1985)</b>	time	6.41	11.53	17.01	22.96	22.96	5 / 2			
reaction time	0.144	interval	5.12	5.48	5.95	NR	# of strides	11.53	11.43	0.10
	velocity	7.80	9.77	9.12	8.40	8.71		8.67	8.75	

<b>Williams, Tameka (SKN) (1989)</b>	time	6.51	11.75	17.26	23.27	23.27	8 / 3			
reaction time	0.173	interval	5.24	5.51	6.01		# of strides	11.75	11.52	0.23
	velocity	7.68	9.54	9.07	8.32	8.59		8.51	8.68	

<b>Zaytseva, Olga (RUS) (1984)</b>	time	6.51	11.76	17.32	23.28	23.28	4 / 4			
reaction time	0.178	interval	5.25	5.56	5.96		# of strides	11.76	11.52	0.24
	velocity	7.68	9.52	8.99	8.39	8.59		8.50	8.68	

<b>Al-Gasara, Rakia (BRN) (1982)</b>	time	6.55	11.75	17.30	23.34	23.34	2 / <del>5</del>			
reaction time	0.231	interval	5.20	5.55	6.04	DV	# of strides	11.75	11.59	0.16
	velocity	7.63	9.62	9.01	8.28	8.57		8.51	8.63	

<b>Power, Adrienne (CAN) (1981)</b>	time	6.50	11.76	17.33	23.38	23.38	3 / <del>6</del> 5			
reaction time	0.176	interval	5.26	5.57	6.05		# of strides	11.76	11.62	0.14
	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						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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<b>Lee, Muna (USA) (1981)</b>	time	6.37	11.44	16.82	22.76	22.76	7 / 1			
reaction time	0.163	interval	5.07	5.38	5.94		# of strides	11.44	11.32	0.12
	velocity	7.85	9.86	9.29	8.42	8.79		8.74	8.83	

<b>Baptiste, Kelly-Ann (TTO) (1986)</b>	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	

<b>Gushchina, Yuliya (RUS) (1983)</b>	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	

<b>Hodge, Virgil (SKN) (1983)</b>	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						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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<b>Facey, Simone (JAM) (1985)</b>	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	

<b>Williams, Charonda (USA) (1987)</b>	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

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



	velocity	7.74	9.71	9.17	8.31	8.67		8.61	8.72	
<b>Danois, Johanna (FRA) (1987)</b>	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	
<b>Fukushima, Chisato (JPN) (1988)</b>	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	
<b>Obregón, Darlenis (COL) (1986)</b>	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	
<b>Ográzeanu, Andreea (ROU) (1988)</b>	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
<b>Nana Djimou, Antoinette (FRA)</b>	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	
<b>Day, Sharon (USA) (1985)</b>	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	
<b>Grabuste, Aiga (LAT) (1988)</b>	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
<b>Hazel, Louise (GBR) (1985)</b>	time	6.57	12.01	17.82	24.19	24.19	3 / 1			
	reaction time	0.187	interval	5.44	5.81	6.37	# of strides	12.01	12.18	-0.17
	velocity	7.61	9.19	8.61	7.85	8.27		8.33	8.21	
<b>Oeser, Jennifer (GER) (1983)</b>	time	6.78	12.19	18.00	24.30	24.30	8 / 2			
	reaction time	0.194	interval	5.41	5.81	6.30	# of strides	12.19	12.11	0.08
	velocity	7.37	9.24	8.61	7.94	8.23		8.20	8.26	
<b>Chudzik, Kamila (POL) (1986)</b>	time	6.80	12.28	18.03	24.33	24.33	7 / 3			
	reaction time	0.187	interval	5.48	5.75	6.30	# of strides	12.28	12.05	0.23
	velocity	7.35	9.12	8.70	7.94	8.22		8.14	8.30	
<b>Mächtigt, Julia (GER) (1986)</b>	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	
<b>Tarasova, Yuliya (UZB) (1986)</b>	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	
<b>Dobrynska, Nataliya (UKR) (1988)</b>	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	
<b>Züblin, Linda (SUI) (1986)</b>	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
<b>Pickler, Diana (USA) (1983)</b>	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

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

velocity	7.39	8.99	8.39	7.74	8.08	8.11	8.05
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<b>De Aniceto, Marisa (FRA) (1986)</b>	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	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ennis, Jessica (GBR) (1986)</b>	time	6.53	11.76	17.33	23.25	23.25	7 / 1			
	reaction time	0.182	interval	5.23	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	
<b>Yosypenko, Lyudmyla (UKR) (1986)</b>	time	6.67	12.01	17.64	23.86	23.86	5 / 2			
	reaction time	0.177	interval	5.34	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	
<b>Tymińska, Karolina (POL) (1984)</b>	time	6.72	12.04	17.75	23.87	23.87	4 / 3			
	reaction time	0.174	interval	5.32	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	
<b>Melnychenko, Hanna (UKR) (1986)</b>	time	6.53	11.96	17.79	24.11	24.11	2 / 4			
	reaction time	0.140	interval	5.43	6.32	<b>PB</b>	# of strides	11.96	12.15	-0.19
	velocity	7.66	9.21	8.58	7.91	8.30		8.36	8.23	
<b>Chernova, Tatyana (RUS) (1988)</b>	time	6.73	12.24	17.99	24.13	24.13	1 / 5			
	reaction time	0.127	interval	5.51	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	
<b>Theisen, Brianne (CAN) (1988)</b>	time	6.88	12.35	18.29	24.62	24.62	8 / 6			
	reaction time	0.185	interval	5.47	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	
<b>Samuelsson, Jessica (SWE) (1986)</b>	time	6.71	12.25	18.22	24.71	24.71	3 / 7			
	reaction time	0.208	interval	5.54	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	
<b>Wisse, Yvonne (NED) (1982)</b>	time	6.84	12.28	18.26	24.78	24.78	6 / 8			
	reaction time	0.173	interval	5.44	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	<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tashiro, Narumi (JPN) (1991)</b>	time	6.74	12.40	18.18	24.21	24.21	5 / 1			
	reaction time		interval	5.66	6.03		# of strides	12.40	11.81	0.59
	velocity	7.42	8.83	8.65	8.29	8.26		8.06	8.47	
<b>Igarashi, Yuka (JPN) (1991)</b>	time	6.68	12.25	18.13	24.45	24.45	4 / 2			
	reaction time		interval	5.57	6.32		# of strides	12.25	12.20	0.05
	velocity	7.49	8.98	8.50	7.91	8.18		8.16	8.20	
<b>Seko, Nodoka (JPN) (1991)</b>	time	6.69	12.30	18.18	24.50	24.50	8 / 3			
	reaction time		interval	5.61	6.32		# of strides	12.30	12.20	0.10
	velocity	7.47	8.91	8.50	7.91	8.16		8.13	8.20	
<b>Fukuda, Tomomi (JPN) (1991)</b>	time	6.75	12.37	18.26	24.51	24.51	7 / 4			
	reaction time		interval	5.62	6.25		# of strides	12.37	12.14	0.23
	velocity	7.41	8.90	8.49	8.00	8.16		8.08	8.24	
<b>Hayakari, Narumi (JPN) (1991)</b>	time	6.68	12.28	18.25	24.72	24.72	6 / 5			
	reaction time		interval	5.60	6.47		# of strides	12.28	12.44	-0.16
	velocity	7.49	8.93	8.38	7.73	8.09		8.14	8.04	
<b>Torihara, Saki (JPN) (1992)</b>	time	6.79	12.50	18.39	24.76	24.76	3 / 6			
	reaction time		interval	5.71	6.37		# of strides	12.50	12.26	0.24
	velocity	7.36	8.76	8.49	7.85	8.08		8.00	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

<b>Okuno, Yuko (JPN) (1993)</b>	time	6.83	12.50	18.50	24.78	24.78	2 / 7			
	reaction time	interval	5.67	6.00	6.28		# of strides	12.50	12.28	0.22
	velocity	7.32	8.82	8.33	7.96	8.07		8.00	8.14	
<b>Yamada, Akari (JPN) (1992)</b>	time	12.53	18.49	24.81	24.81		1 / 8			
	reaction time	interval	5.96	6.32			# 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](http://www.greatcitygames.org/Results/2009_gcgm.aspx)

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Ferguson-McKenzie, Debbie (B)</b>	time	6.16	11.14	16.54	16.54	/ 1			
	reaction time	interval	4.98	5.40	<b>PB</b>	# of strides	11.14		10.38
	velocity	8.12	10.04	9.26	9.07		8.98		9.63
<b>Ohuruogu, Christine (GBR) (19)</b>	time	6.41	11.56	17.10	17.10	/ 2			
	reaction time	interval	5.15	5.54		# of strides	11.56		10.69
	velocity	7.80	9.71	9.03	8.77		8.65		9.35
<b>Thompson, Shauna (GBR) (19)</b>	time	6.40	11.60	17.20	17.20	/ 3			
	reaction time	interval	5.20	5.60	<b>PB</b>	# of strides	11.60		10.80
	velocity	7.81	9.62	8.93	8.72		8.62		9.26
<b>McConnell, Lee (GBR) (1978)</b>	time	6.53	11.67	17.28	17.28	/ 4			
	reaction time	interval	5.14	5.61	<b>PB</b>	# 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](http://www.tilastopaja.org)

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Onuora, Anyika (GBR) (1984)</b>	time		11.75	17.68	17.68	1 / 1			
	reaction time	interval		5.93		# of strides	11.75		
	velocity	8.51	8.43		8.48		8.51		
<b>Fraser, Donna (GBR) (1972)</b>	time		11.89	17.74	17.74	2 / 2			
	reaction time	interval		5.85	<b>PB</b>	# of strides	11.89		
	velocity	8.41	8.55		8.46		8.41		
<b>Douglas, Montell (GBR) (1986)</b>	time		11.85	17.78	17.78	3 / 3			
	reaction time	interval		5.93		# of strides	11.85		
	velocity	8.44	8.43		8.44		8.44		
<b>Claxton, Sarah (GBR) (1979)</b>	time		12.03	18.13	18.13	4 / 4			
	reaction time	interval		6.10	<b>PB</b>	# 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](http://www.tilastopaja.org)

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Thompson, Shauna (GBR) (19)</b>	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		
<b>Ohuruogu, Christine (GBR) (19)</b>	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		
<b>Onuora, Anyika (GBR) (1984)</b>	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		
<b>Claxton, Sarah (GBR) (1979)</b>	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](http://www.tilastopaja.org)

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





	velocity	8.97	9.22	9.09	93.0	8.97	9.22		
<b>Lee, Muna (USA) (1981)</b>	time	11.10	22.01	22.01	9 / 4				
	reaction time	0.176	interval	10.91	<b>PB</b>	# of strides	11.10	10.91	0.19
	velocity	9.01	9.17	9.09	93.2	9.01	9.17		
<b>Hooker, Marshvet (USA) (1984)</b>	time	11.21	22.34	22.34	7 / 5				
	reaction time	0.200	interval	11.13	<b>PB</b>	# of strides	11.21	11.13	0.08
	velocity	8.92	8.98	8.95	92.5	8.92	8.98		
<b>Simpson, Sherone (JAM) (1984)</b>	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		
<b>Ferguson-McKenzie, Debbie (B)</b>	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		
<b>Mothersill, Cydonie (CAY) (1978)</b>	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
<b>Imai, Saori (JPN) (1990)</b>	time	6.61	12.17	18.10	24.35	24.35	/ 1			
	reaction time		interval	5.56	5.93	6.25	# of strides	12.17	12.18	-0.01
	velocity	7.56	8.99	8.43	8.00	8.21		8.22	8.21	
<b>Seko, Nodoka (JPN) (1991)</b>	time	6.65	12.30	18.31	24.80	24.80	/ 2			
	reaction time		interval	5.65	6.01	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	
<b>Watanabe, Misato (JPN) (1990)</b>	time	6.72	12.30	18.32	24.81	24.81	/ 3			
	reaction time		interval	5.58	6.02	6.49	# of strides	12.30	12.51	-0.21
	velocity	7.44	8.96	8.31	7.70	8.06		8.13	7.99	
<b>Ichikawa, Kana (JPN) (1991)</b>	time	6.78	12.45	18.49	24.90	24.90	/ 4			
	reaction time		interval	5.67	6.04	6.41	# of strides	12.45	12.45	0.00
	velocity	7.37	8.82	8.28	7.80	8.03		8.03	8.03	
<b>Banno, Rio (JPN) (1990)</b>	time	6.68	12.37	18.48	24.93	24.93	/ 5			
	reaction time		interval	5.69	6.11	6.45	# of strides	12.37	12.56	-0.19
	velocity	7.49	8.79	8.18	7.75	8.02		8.08	7.96	
<b>Iwadate, Hanae (JPN) (1990)</b>	time	6.82	12.48	18.54	24.97	24.97	/ 6			
	reaction time		interval	5.66	6.06	6.43	# of strides	12.48	12.49	-0.01
	velocity	7.33	8.83	8.25	7.78	8.01		8.01	8.01	
<b>Kitamura, Chisato (JPN) (1990)</b>	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	0.27
	velocity	7.23	8.68	8.31	7.82	7.97		7.89	8.06	
<b>Iwatsubo, Yuki (JPN)</b>	time	6.88	12.57	18.60	25.11	25.11	/ 8			
	reaction time		interval	5.69	6.03	6.51	# of strides	12.57	12.54	0.03
	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
<b>McLaughlin, Anneshia (JAM) (1981)</b>	time	11.90	17.52	23.67	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	
<b>Slettum, Elisabeth (NOR) (1986)</b>	time	12.12	17.81	23.87	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	
<b>Harmon, Donita (USA) (1983)</b>	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	
<b>Pillay, Geraldine (RSA) (1977)</b>	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**      date 06-Jul-08      wind 1.2 m/s      (2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Berntsson, Lena (SWE) (1978)</b>	time	12.17	18.08	24.47	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	
<b>Helgesen, Irene (NOR) (1985)</b>	time	12.27	18.21	24.47	24.47	24.47	3 / 2			
reaction time	interval		5.94	6.26			# of strides	12.27	12.20	0.07
	velocity	8.15	8.42	7.99	8.17			8.15	8.20	
<b>Neal, Tangela (USA) (1979)</b>	time	12.25	18.12	24.51	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	
<b>Salivaara, Katja (FIN) (1980)</b>	time	12.56	18.71	25.52	25.52	25.52	5 / 4			
reaction time	interval		6.15	6.81			# of strides	12.56	12.96	-0.40
	velocity	7.96	8.13	7.34	7.84			7.96	7.72	

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

**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
<b>Felix, Allyson (USA) (1985)</b>	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	
<b>Lee, Muna (USA) (1981)</b>	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	
<b>Hooker, Marshvet (USA) (1984)</b>	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
	velocity	7.95	9.77	9.77	8.82	9.01		8.76	9.27	
<b>Williams, Lauryn (USA) (1983)</b>	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	
<b>Knight, Bianca (USA) (1989)</b>	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	
<b>Jeter, Carmelita (USA) (1979)</b>	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	
<b>Solomon, Shalonda (USA) (1981)</b>	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**      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
<b>Felix, Allyson (USA) (1985)</b>	time	6.34	11.37	16.53	22.22	22.22	6 / 1			
reaction time	interval		5.03	5.16	5.69		# of strides	11.37	10.85	0.52
	velocity	7.89	9.94	9.69	8.79	9.00		8.80	9.22	



<b>Lee, Muna (USA) (1981)</b>	time	6.34	11.40	16.60	22.33	22.33	8 / 2			
	reaction time	interval	5.06	5.20	5.73		# of strides	11.40	10.93	0.47
	velocity	7.89	9.88	9.62	8.73	8.96		8.77	9.15	
<b>Solomon, Shalonda (USA) (1981)</b>	time	6.34	11.56	16.76	22.48	22.48	4 / 3			
	reaction time	interval	5.22	5.20	5.72		# of strides	11.56	10.92	0.64
	velocity	7.89	9.58	9.62	8.74	8.90		8.65	9.16	
<b>Jeter, Carmelita (USA) (1979)</b>	time	6.41	11.53	16.75	22.61	22.61	7 / 4			
	reaction time	interval	5.12	5.22	5.86		# of strides	11.53	11.08	0.45
	velocity	7.80	9.77	9.58	8.53	8.85		8.67	9.03	
<b>Floyd, Ebonie (USA) (1983)</b>	time	6.45	11.75	16.96	22.63	22.63	5 / 5			
	reaction time	interval	5.30	5.21	5.67		# of strides	11.75	10.88	0.87
	velocity	7.75	9.43	9.60	8.82	8.84		8.51	9.19	
<b>Durst, Stephanie (USA) (1982)</b>	time	6.35	11.52	16.97	22.99	22.99	2 / 6			
	reaction time	interval	5.17	5.45	6.02		# of strides	11.52	11.47	0.05
	velocity	7.87	9.67	9.17	8.31	8.70		8.68	8.72	
<b>Barber, Mikele (USA) (1980)</b>	time	6.50	11.66	17.08	23.04	23.04	3 / 7			
	reaction time	interval	5.16	5.42	5.96		# of strides	11.66	11.38	0.28
	velocity	7.69	9.69	9.23	8.39	8.68		8.58	8.79	
<b>Cole, Leslie (USA) (1987)</b>	time	6.69	12.01	17.38	23.24	23.24	1 / 8			
	reaction time	interval	5.32	5.37	5.86	<b>PB</b>	# of strides	12.01	11.23	0.78
	velocity	7.47	9.40	9.31	8.53	8.61		8.33	8.90	

**Semi-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
<b>Knight, Bianca (USA) (1989)</b>	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	
<b>Hooker, Marshvet (USA) (1984)</b>	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	
<b>Williams, Lauryn (USA) (1983)</b>	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	
<b>Edwards, Torri (USA) (1977)</b>	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	
<b>Moore, LaShaunte'a (USA) (1987)</b>	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	
<b>Anderson, Alexandria (USA) (1987)</b>	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	
<b>Williams, Charonda (USA) (1987)</b>	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	
<b>Lucas, Porscha (USA) (1988)</b>	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
<b>Knight, Bianca (USA) (1989)</b>	time	6.26	11.54	16.83	22.81	22.81	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	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		
<b>Edwards, Torri (USA) (1977)</b>	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	
<b>Barber, Mikele (USA) (1980)</b>	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	
<b>Lewis, Mechelle (USA) (1980)</b>	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	
<b>Knight, Natalie (USA) (1986)</b>	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	
<b>Roseby, Hasani (USA) (1982)</b>	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
<b>Hooker, Marshevet (USA) (1984)</b>	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	
<b>Jeter, Carmelita (USA) (1979)</b>	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	
<b>Williams, Lauryn (USA) (1983)</b>	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	
<b>Lucas, Porscha (USA) (1988)</b>	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	
<b>Cole, Leslie (USA) (1987)</b>	time	6.69	11.94	17.37	23.36	23.36	8 / 5			
reaction time	interval		5.25	5.43	5.99	<b>PB</b>	# of strides	11.94	11.42	0.52
	velocity	7.47	9.52	9.21	8.35	8.56		8.38	8.76	
<b>Myrick, Wyllesheia (USA) (1979)</b>	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
<b>Floyd, Ebonie (USA) (1983)</b>	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	
<b>Felix, Allyson (USA) (1985)</b>	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	
<b>Anderson, Alexandria (USA) (1987)</b>	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	
<b>Williams, Charonda (USA) (1987)</b>	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	

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

<b>Wilson, Latonia (USA) (1984)</b>	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	
<b>Layne, Lynne (USA) (1988)</b>	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
<b>Solomon, Shalonda (USA) (1981)</b>	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	
<b>Moore, LaShaunte'a (USA) (1981)</b>	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	
<b>Lee, Muna (USA) (1981)</b>	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	
<b>Durst, Stephanie (USA) (1982)</b>	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	
<b>Hastings, Natasha (USA) (1986)</b>	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	
<b>Lowery, Santana (USA) (1987)</b>	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
<b>Solomon, Shalonda (USA) (1981)</b>	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	
<b>Edwards, Torri (USA) (1977)</b>	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
	velocity	7.76	9.65	9.51	8.35	8.75		8.61	8.89	
<b>Lucas, Porscha (USA) (1988)</b>	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	
<b>Lowery, Santana (USA) (1987)</b>	time	6.57	11.89	17.40	23.34	23.34	6 / 4			
reaction time	interval		5.32	5.51	5.94	<b>PB</b>	# of strides	11.89	11.45	0.44
	velocity	7.61	9.40	9.07	8.42	8.57		8.41	8.73	
<b>Cox, Shana (USA) (1985)</b>	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	
<b>Ivery, Lakadron (USA) (1983)</b>	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**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
<b>Jeter, Carmelita (USA) (1979)</b>	time	6.49	11.82	17.23	23.21	23.21	3 / 1			
reaction time	interval		5.33	5.41	5.98		# of strides	11.82	11.39	0.43
	velocity	7.70	9.38	9.24	8.36	8.62		8.46	8.78	

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



<b>Floyd, Ebonie (USA) (1983)</b>	time	6.60	11.91	17.40	23.49	23.49	7 / 2			
reaction time	interval		5.31	5.49	6.09		# of strides	11.91	11.58	0.33
	velocity	7.58	9.42	9.11	8.21	8.51		8.40	8.64	
<b>Wilson, Latonia (USA) (1984)</b>	time	6.57	11.97	17.45	23.56	23.56	9 / 3			
reaction time	interval		5.40	5.48	6.11		# of strides	11.97	11.59	0.38
	velocity	7.61	9.26	9.12	8.18	8.49		8.35	8.63	
<b>Myrick, Wyllesheia (USA) (1979)</b>	time	6.67	12.08	17.57	23.66	23.66	8 / 4			
reaction time	interval		5.41	5.49	6.09		# of strides	12.08	11.58	0.50
	velocity	7.50	9.24	9.11	8.21	8.45		8.28	8.64	

**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
<b>Felix, Allyson (USA) (1985)</b>	time	6.37	11.54	16.83	22.68	22.68	6 / 1				
reaction time	interval		5.17	5.29	5.85		# of strides	11.54	11.14	0.40	
	velocity	7.85	9.67	9.45	8.55	8.82	88.2	8.67	8.98		
<b>Durst, Stephanie (USA) (1982)</b>	time	6.37	11.62	17.17	23.15	23.15	2 / 2				
reaction time	interval		5.25	5.55	5.98		# of strides	11.62	11.53	0.09	
	velocity	7.85	9.52	9.01	8.36	8.64	101.0	8.61	8.67		
<b>Knight, Natalie (USA) (1986)</b>	time	6.59	11.91	17.38	23.38	23.38	5 / 3				
reaction time	interval		5.32	5.47	6.00		# of strides	11.91	11.47	0.44	
	velocity	7.59	9.40	9.14	8.33	8.55	93.0	8.40	8.72		
<b>Roseby, Hasani (USA) (1982)</b>	time	6.33	11.72	17.26	23.45	23.45	8 / 4				
reaction time	interval		5.39	5.54	6.19		# of strides	11.72	11.73	-0.01	
	velocity	7.90	9.28	9.03	8.08	8.53	99.2	8.53	8.53		
<b>Layne, Lynne (USA) (1988)</b>	time	6.37	11.66	17.30	23.47	23.47	3 / 5				
reaction time	interval		5.29	5.64	6.17		# of strides	11.66	11.81	-0.15	
	velocity	7.85	9.45	8.87	8.10	8.52	99.5	8.58	8.47		
<b>Hastings, Natasha (USA) (1986)</b>	time	6.67	11.91	17.50	23.49	23.49	7 / 6				
reaction time	interval		5.24	5.59	5.99		# of strides	11.91	11.58	0.33	
	velocity	7.50	9.54	8.94	8.35	8.51	97.2	8.40	8.64		
<b>Rooks, Cynethia (USA) (1984)</b>	time	6.62	11.96	17.55	23.66	23.66	4 / 7				
reaction time	interval		5.34	5.59	6.11		# of strides	11.96	11.70	0.26	
	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
<b>Knight, Bianca (USA) (1989)</b>	time	6.35	11.50	16.85	22.74	22.74	5 / 1				
reaction time	interval		5.15	5.35	5.89		# of strides	11.50	11.24	0.26	
	velocity	7.87	9.71	9.35	8.49	8.80		8.70	8.90		
<b>Anderson, Alexandria (USA) (1984)</b>	time	6.37	11.66	17.05	23.10	23.10	4 / 2				
reaction time	interval		5.29	5.39	6.05		# of strides	11.66	11.44	0.22	
	velocity	7.85	9.45	9.28	8.26	8.66		8.58	8.74		
<b>Barber, Mikele (USA) (1980)</b>	time	6.62	11.88	17.20	23.10	23.10	6 / 3				
reaction time	interval		5.26	5.32	5.90		# of strides	11.88	11.22	0.66	
	velocity	7.55	9.51	9.40	8.47	8.66		8.42	8.91		
<b>Moore, LaShaunte'a (USA) (1984)</b>	time	6.50	11.79	17.28	23.17	23.17	3 / 4				
reaction time	interval		5.29	5.49	5.89		# of strides	11.79	11.38	0.41	
	velocity	7.69	9.45	9.11	8.49	8.63		8.48	8.79		
<b>Cole, Leslie (USA) (1987)</b>	time	6.64	11.99	17.41	23.37	23.37	7 / 5				
reaction time	interval		5.35	5.42	5.96	<b>PB</b>	# of strides	11.99	11.38	0.61	
	velocity	7.53	9.35	9.23	8.39	8.56		8.34	8.79		
<b>Lewis, Mechelle (USA) (1980)</b>	time	6.47	11.72	17.30	23.40	23.40	2 / 6				

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

reaction time	interval	5.25	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	
<b>Hooker, Marshevet (USA) (1984)</b>	time	6.51	11.79	17.10	22.87	22.87	6 / 1				
	reaction time		interval	5.28	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
<b>Lee, Muna (USA) (1981)</b>	time		11.87	17.31	23.27	23.27	7 / 2				
	reaction time		interval	5.44	5.96		# of strides	11.87	11.40	0.47	
			velocity	8.42	9.19	8.39	8.59	90.0	8.42	8.77	
<b>Williams, Lauryn (USA) (1983)</b>	time		11.91	17.33	23.30	23.30	8 / 3				
	reaction time		interval	5.42	5.97		# of strides	11.91	11.39	0.52	
			velocity	8.40	9.23	8.38	8.58	100.5	8.40	8.78	
<b>Williams, Charonda (USA) (1987)</b>	time	6.51	11.89	17.37	23.37	23.37	3 / 4				
	reaction time		interval	5.38	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
<b>Kidd, Ashlee (USA) (1985)</b>	time	6.59	12.09	17.66	23.69	23.69	4 / 5				
	reaction time		interval	5.50	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
<b>Miller, Scottesha (USA) (1988)</b>	time	6.62	12.11	17.66	23.92	23.92	5 / 6				
	reaction time		interval	5.49	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
<b>Townsend, Tiffany (USA) (1989)</b>	time		12.11	17.63	23.60	23.60	4 / 1			
	reaction time		interval	5.52	5.97		# of strides	12.11	11.49	0.62
			velocity	8.26	9.06	8.38	8.47		8.26	8.70
<b>Jordan, Victoria (USA) (1990)</b>	time		12.02	17.62	23.73	23.73	8 / 2			
	reaction time		interval	5.60	6.11		# of strides	12.02	11.71	0.31
			velocity	8.32	8.93	8.18	8.43		8.32	8.54
<b>Purvis, Ashton (USA) (1992)</b>	time		11.99	17.61	23.80	23.80	7 / 3			
	reaction time		interval	5.62	6.19		# of strides	11.99	11.81	0.18
			velocity	8.34	8.90	8.08	8.40		8.34	8.47
<b>McGrone, Candyce (USA) (1989)</b>	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
<b>Davis, Jessica (USA) (1992)</b>	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
<b>Collier, Ashley (USA) (1992)</b>	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
<b>Floyd, Kalyn (USA) (1989)</b>	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
<b>Glenn, Gabrielle (USA) (1989)</b>	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)**

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 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
<b>Hurtis-Houairi, Muriel (FRA) (1985)</b>	time	6.40	11.43	16.85	22.73	22.73	5 / 1			
	reaction time		interval	5.03	5.88		# of strides	11.43	11.30	0.13
		7.81	9.94	9.23	8.50	8.80		8.75	8.85	
<b>Ferguson-McKenzie, Debbie (B)</b>	time	6.29	11.44	16.89	22.74	22.74	4 / 2			
	reaction time		interval	5.15	5.85		# of strides	11.44	11.30	0.14
		7.95	9.71	9.17	8.55	8.80		8.74	8.85	
<b>Moore, LaShaunte'a (USA) (1982)</b>	time	6.40	11.52	16.93	22.78	22.78	3 / 3			
	reaction time		interval	5.12	5.85		# of strides	11.52	11.26	0.26
		7.81	9.77	9.24	8.55	8.78		8.68	8.88	
<b>Gevaert, Kim (BEL) (1978)</b>	time	6.31	11.43	16.95	22.84	22.84	7 / 4			
	reaction time		interval	5.12	5.89		# of strides	11.43	11.41	0.02
		7.92	9.77	9.06	8.49	8.76		8.75	8.76	
<b>Williams, Lauryn (USA) (1983)</b>	time	6.34	11.49	16.96	22.94	22.94	8 / 5			
	reaction time		interval	5.15	5.98		# of strides	11.49	11.45	0.04
		7.89	9.71	9.14	8.36	8.72		8.70	8.73	
<b>Maduaka, Joice (GBR) (1973)</b>	time	6.46	11.86	17.44	23.36	23.36	1 / 6			
	reaction time		interval	5.40	5.92		# of strides	11.86	11.50	0.36
		7.74	9.26	8.96	8.45	8.56		8.43	8.70	
<b>Durst, Stephanie (USA) (1982)</b>	time	6.41	11.59	17.21	23.50	23.50	6 / 7			
	reaction time		interval	5.18	6.29		# of strides	11.59	11.91	-0.32
		7.80	9.65	8.90	7.95	8.51		8.63	8.40	

## 2007 IAAF World Championships (Osaka, JPN)

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

## FINAL

date 31-Aug-07

wind 1.7 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Felix, Allyson (USA) (1985)</b>	time	6.19	11.15	16.28	21.81	21.81	5 / 1			Ae (2008)
	reaction time	0.172	interval	4.96	5.53	PB	# of strides	11.15	10.66	0.49
		8.08	10.08	9.75	9.04	9.17	87.5	8.97	9.38	
<b>Campbell, Veronica (JAM) (1982)</b>	time	6.19	11.10	16.43	22.34	22.34	6 / 2			Ae (2008)
	reaction time	0.161	interval	4.91	5.91		# of strides	11.10	11.24	-0.14
		8.08	10.18	9.38	8.46	8.95	97.2	9.01	8.90	
<b>Jayasinghe, Susanthika (SRI) (1982)</b>	time	6.36	11.45	16.82	22.63	22.63	8 / 3			Ae (2008)
	reaction time	0.200	interval	5.09	5.81		# of strides	11.45	11.18	0.27
		7.86	9.82	9.31	8.61	8.84	94.7	8.73	8.94	
<b>Edwards, Torri (USA) (1977)</b>	time		11.3		22.65	22.65	3 / 4			Butler (2013)
	reaction time	0.136	interval		11.35		# of strides	11.30	11.35	-0.05
			8.85		8.81	8.83	98.2	8.85	8.81	
<b>Richards, Sanya (USA) (1985)</b>	time		11.5		22.70	22.70	7 / 5			Butler (2013)
	reaction time	0.239	interval		11.20		# of strides	11.50	11.20	0.30
			8.70		8.93	8.81	95.2	8.70	8.93	
<b>Bailey, Aleen (JAM) (1980)</b>	time		11.4		22.72	22.72	4 / 6			Butler (2013)
	reaction time	0.191	interval		11.32		# of strides	11.40	11.32	0.08
			8.77		8.83	8.80	92.7	8.77	8.83	
<b>Moore, LaShauntea (USA) (1982)</b>	time		11.5		22.97	22.97	9 / 7			Butler (2013)
	reaction time	0.204	interval		11.47		# of strides	11.50	11.47	0.03
			8.70		8.72	8.71	94.5	8.70	8.72	
<b>Mothersill, Cydonie (CAY) (1978)</b>	time		11.7		23.08	23.08	2 / 8			Butler (2013)
	reaction time	0.193	interval		11.38		# of strides	11.70	11.38	0.32
			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 Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tomoko, Inada (JPN)</b>	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	7.80	8.03		8.06	8.01	
<b>Sano, Fuyumi (JPN) (1989)</b>	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	7.86	7.97		7.95	8.00	
<b>Sakiyama, Ayaka (JPN)</b>	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 (2007) - www.ssg.se/en/Windsprint/Split-times/

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Dorobisz, Iwona (POL) (1980)</b>	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	7.97	8.34		8.31	8.36	
<b>Aruhn, Lena (SWE) (1970)</b>	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	8.16	8.33		8.23	8.44	
<b>Washington, Demetria (USA) (1970)</b>	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	7.96	8.27		8.20	8.35	
<b>Cunningham, Nadia (JAM) (1970)</b>	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 (2007) - www.ssg.se/en/Windsprint/Split-times/

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ström, Malin (SWE) (1986)</b>	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	
<b>Henriksson, Malin (SWE) (1978)</b>	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	
<b>Agerbjer, Emma (SWE) (1985)</b>	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	
<b>Eurenius, Isabelle (SWE) (1989)</b>	time		12.57	18.55	25.14	25.14	2 / 4			
	reaction time		interval	5.98	6.59	<b>PB</b>	# of strides	12.57	12.57	0.00
	velocity		7.96	8.36	7.59	7.96		7.96	7.96	

**C FINAL**

date 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
<b>Edfors, Cecilia (SWE) (1987)</b>	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	
<b>Hamrén, Malin (SWE) (1986)</b>	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	
<b>Eliasson, Emilia (SWE) (1989)</b>	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
<b>Hurtis-Houairi, Muriel (FRA) (1983)</b>	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	
<b>Rusakova, Natalya (RUS) (1980)</b>	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	
<b>Shtanhyeyeva, Iryna (UKR) (1979)</b>	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	
<b>Halkiá, Faní (GRE) (1979)</b>	time			11.85	17.33	23.30	23.30	/ 4			
	reaction time	0.159	interval		5.48	5.97	<b>PB</b>	# of strides	11.85	11.45	0.40
			velocity	8.44	9.12	8.38	8.58		8.44	8.73	
<b>Neumiarzhyskaya, Alena (BLR) (1981)</b>	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	
<b>Bejnar, Monika (POL) (1981)</b>	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	
<b>Tschirch, Cathleen (GER) (1979)</b>	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	
<b>Martín, Eva (ESP) (1985)</b>	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	

**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
<b>Richards, Sanya (USA) (1985)</b>	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	
<b>Gevaert, Kim (BEL) (1978)</b>	0.159	no information available				22.72		7 / 2			
<b>Anim, Vida (GHA) (1983)</b>	0.174	no information available			<b>PB</b>	22.81		8 / 3			
<b>Gushchina, Yulia (RUS) (1983)</b>	0.131	no information available				22.96		9 / 4			
<b>Bejhar, Monika (POL) (1981)</b>	0.150	no information available				23.21		3 / 5			
<b>Kubbieva, Guzel (UZB) (1976)</b>	0.142	no information available				23.34		5 / 6			
<b>Mothersill, Cydonie (CAY) (1978)</b>	0.197	no information available				23.50		4 / 7			
<b>Bouda, Hariklia (GRE) (1980)</b>	0.157	no information available				23.52		1 / 8			
<b>Kleeberg, Melanie (AUS) (1981)</b>	0.138	no information available				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
<b>Smith, Rachele (USA) (1981)</b>	time			6.34	11.44	16.73	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		8.74	9.20	
<b>Solomon, Shalonda (USA) (1981)</b>	time			6.39	11.57	16.90	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		8.64	9.17	
<b>Jenkins, LaTasha (USA) (1977)</b>	time			6.45	11.54	16.87	22.66	5 / 3			
	reaction time		interval		5.09	5.33	5.79	# of strides	11.54	11.12	0.42

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

	velocity	7.75	9.82	9.38	8.64	8.83		8.67	8.99	
<b>Floyd, Ebonie (USA) (1983)</b>	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	
<b>Moore, LaShaunte'a (USA) (1983)</b>	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	
<b>Davis, Janice (USA) (1984)</b>	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	
<b>Moore, Connie (USA) (1981)</b>	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	
<b>Mayo, Gabrielle (USA) (1989)</b>	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		
<b>Knight, Bianca (USA) (1989)</b>	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		
<b>Tarmoh, Jeneba (USA) (1989)</b>	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		
<b>Lucas, Porscha (USA) (1989)</b>	time	6.64	11.70	17.20	23.22	23.22	6 / 4				
	reaction time		interval	5.06	5.50	6.02	PB	# of strides	11.70	11.52	0.18
	velocity	7.53	9.88	9.09	8.31	8.61		8.55	8.68		
<b>Olear, Elizabeth (USA) (1988)</b>	time	6.64	11.76	17.33	23.40	23.40	7 / 5				
	reaction time		interval	5.12	5.57	6.07	# of strides	11.76	11.64	0.12	
	velocity	7.53	9.77	8.98	8.24	8.55		8.50	8.59		
<b>Young, Jessica (USA) (1987)</b>	time	6.64	12.01	17.60	23.50	23.50	2 / 6				
	reaction time		interval	5.37	5.59	5.90	PB	# of strides	12.01	11.49	0.52
	velocity	7.53	9.31	8.94	8.47	8.51		8.33	8.70		
<b>Williams, Sa'de (USA) (1989)</b>	time	6.64	11.99	17.58	23.54	23.54	8 / 7				
	reaction time		interval	5.35	5.59	5.96	# of strides	11.99	11.55	0.44	
	velocity	7.53	9.35	8.94	8.39	8.50		8.34	8.66		
<b>Mahan, Shayla (USA) (1989)</b>	time		11.88	17.53	23.71	23.71	1 / 8				
	reaction time		interval	5.65	6.18		# of strides	11.88	11.83	0.05	
	velocity		8.42	8.85	8.09	8.44		8.42	8.45		

## 2005 IAAF World Championships (Helsinki, FIN)

### FINAL

date 12-Aug-05

wind 0.2 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Felix, Allyson (USA) (1985)</b>	0.180	no information available				22.16	6 / 1		# of strides	91.0
<b>Smith, Rachele (USA) (1981)</b>	0.161	no information available				22.31	4 / 2		# of strides	95.2
<b>Arron, Christine (FRA) (1973)</b>	0.184	no information available				22.31	5 / 3		# of strides	90.5
<b>Campbell, Veronica (JAM) (1982)</b>	0.158	no information available				22.38	7 / 4		# of strides	98.7
<b>Colander, LaTasha (USA) (1976)</b>	0.168	no information available				22.66	2 / 5		# of strides	101.0
<b>Gushchina, Yulia (RUS) (1983)</b>	0.166	no information available				22.75	8 / 6		# of strides	90.2
<b>Gevaert, Kim (BEL) (1978)</b>	0.144	no information available				22.86	3 / 7		# of strides	92.7
<b>Mothersill, Cydonie (CAY) (1978)</b>	0.190	no information available				23.00	1 / 8		# of strides	96.2



## 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
<b>Arron, Christine (FRA) (1973)</b>	time		11.3		22.45	22.45	6 / 1			
	reaction time	0.202			11.15		# 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
<b>Felix, Allyson (USA) (1985)</b>	time	6.38	11.32	16.70	22.13	22.13	6 / 1			
	reaction time		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	
<b>Smith, Rachelle (USA) (1981)</b>	time	6.41	11.35	17.13	22.22	22.22	7 / 2			
	reaction time		4.94	5.78	5.09	<b>PB</b>	# 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	
<b>Colander, LaTasha (USA) (1976)</b>	time	6.41	11.41	16.58	22.34	22.34	4 / 3			
	reaction time		5.00	5.17	5.76	<b>PB</b>	# 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	
<b>Barber, Me'Lisa (USA) (1980)</b>	time	6.36	11.29	16.63	22.37	22.37	5 / 4			
	reaction time		4.93	5.34	5.74	<b>PB</b>	# 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	
<b>Lee, Muna (USA) (1981)</b>	time	6.38	11.35	17.22	22.46	22.46	9 / 5			
	reaction time		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	
<b>Daigle, Angela (USA) (1976)</b>	time	6.56	11.71		22.86	22.86	2 / 6			
	reaction time		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	
<b>Solomon, Shalonda (USA) (1981)</b>	time	6.61	11.67	16.62	22.95	22.95	3 / 7			
	reaction time		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	
<b>Carter, Antonette (USA) (1984)</b>	time	6.59	11.76	16.65	23.15	23.15	1 / 8			
	reaction time		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	
<b>Moore, LaShaunte'a (USA) (1981)</b>	time	6.38	11.54	17.22	23.18	23.18	8 / 9			
	reaction time		5.16	5.68	5.96		# of strides	11.54	11.64	-0.10
	velocity	7.84	9.69	8.80	8.39	8.63	100.0	8.67	8.59	

## 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
<b>Tyson, Cleo (USA) (1986)</b>	time		11.55	17.06	22.93	22.93	6 / 1			
	reaction time			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	
<b>Anderson, Alexandria (USA) (1981)</b>	time		11.61	17.11	22.96	22.96	5 / 2			
	reaction time			5.50	5.85	<b>PB</b>	# of strides	11.61	11.35	0.26
	velocity		8.61	9.09	8.55	8.71		8.61	8.81	
<b>McCorory, Francena (USA) (1981)</b>	time		11.76	17.32	23.22	23.22	8 / 3			
	reaction time			5.56	5.90	<b>PB</b>	# of strides	11.76	11.46	0.30
	velocity		8.61	8.99	8.47	8.61		8.50	8.73	
<b>Jones, Brittany (USA) (1989)</b>	time		11.80	17.35	23.28	23.28	4 / 4			
	reaction time			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	
<b>Knight, Natalie (USA) (1986)</b>	time		11.86	17.40	23.34	23.34	1 / 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	5.54	5.94		# of strides	11.86	11.48	0.38
	velocity	8.61	9.03	8.42	8.57	8.43	8.71	
<b>Smith, Angelique (USA) (1986)</b>	time	12.06	17.58	23.61	23.61	7 / 6		
reaction time	interval		5.52	6.03		# of strides	12.06	11.55
	velocity	8.61	9.06	8.29	8.47		8.29	8.66
<b>Knight, Bianca (USA) (1989)</b>	time	11.95	17.54	23.65	23.65	2 / 7		
reaction time	interval		5.59	6.11		# of strides	11.95	11.70
	velocity	8.61	8.94	8.18	8.46		8.37	8.55
<b>Grace, Carla (USA) (1986)</b>	time	11.93	17.67	23.90	23.90	3 / 8		
reaction time	interval		5.74	6.23		# of strides	11.93	11.97
	velocity	8.38	8.71	8.03	8.37		8.38	8.35
<b>Carter, Khrystal (USA) (1988)</b>	time	12.05	17.89	24.29	24.29	9 / 9		
reaction time	interval		5.84	6.40		# of strides	12.05	12.24
	velocity	8.30	8.56	7.81	8.23		8.30	8.17

## 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
<b>Campbell, Veronica (JAM) (1982)</b>	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	
<b>Felix, Allyson (USA) (1985)</b>	time		11.2		22.2	22.18	3 / 2			
reaction time	interval				11.0	<b>WJR</b>	# of strides	11.20	11.00	0.20
	velocity		8.93		9.09	9.02		8.93	9.09	
<b>Ferguson, Debbie (BAH) (1976)</b>	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	
<b>Bailey, Aleen (JAM) (1980)</b>	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	
<b>Lalova, Iveta (BUL) (1984)</b>	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	
<b>Gevaert, Kim (BEL) (1978)</b>	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	
<b>Lee, Muna (USA) (1981)</b>	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	
<b>Oyepitan, Abi (GBR) (1979)</b>	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
<b>Felix, Allyson (USA) (1985)</b>	time	6.34	11.43	16.62	22.28	22.28	6 / 1			
reaction time	interval		5.09	5.19	5.66		# of strides	11.43	10.85	0.58
	velocity	7.89	9.82	9.63	8.83	8.98		8.75	9.22	
<b>Lee, Muna (USA) (1981)</b>	time	6.36	11.50	16.75	22.36	22.36	1 / 2			
reaction time	interval		5.14	5.25	5.61	<b>PB</b>	# of strides	11.50	10.86	0.64
	velocity	7.86	9.73	9.52	8.91	8.94		8.70	9.21	

<b>Edwards, Torri (USA) (1977)</b>	time	6.24	11.40	16.60	22.39	22.39	4 / <del>3</del>			
reaction time	interval		5.16	5.20	5.79	<b>DV</b>	# 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	
<b>Moore, LaShaunte'a (USA) (1981)</b>	time	6.44	11.65	16.92	22.64	22.64	5 / <del>4</del> 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	
<b>Moore, Connie (USA) (1981)</b>	time	6.43	11.52	16.77	22.65	22.65	7 / <del>5</del> 4			
reaction time	interval		5.09	5.25	5.88	<b>PB</b>	# 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	
<b>Boone, Rachael (USA) (1981)</b>	time	6.34	11.58	16.90	22.69	22.69	2 / <del>6</del> 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	
<b>Miller, Inger (USA) (1972)</b>	time	6.32	11.48	16.76	22.70	22.70	8 / <del>7</del> 6			
reaction time	interval		5.16	5.28	5.94		# of strides	11.48	11.22	0.26
	velocity	7.91	9.69	9.47	8.42	8.81	95.7	8.71	8.91	
<b>Durst, Stephanie (USA) (1982)</b>	time	6.26	11.46	16.90	22.99	22.99	3 / <del>8</del> 7			
reaction time	interval		5.20	5.44	6.09		# of strides	11.46	11.53	-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
<b>Moore, LaShaunte'a (USA) (1981)</b>	time	6.47	11.65	16.95	22.63	22.63	5 / 1			
reaction time	interval		5.18	5.30	5.68	<b>PB</b>	# of strides	11.65	10.98	0.67
	velocity	7.73	9.65	9.43	8.80	8.84		8.58	9.11	
<b>Moore, Connie (USA) (1981)</b>	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	
<b>Miller, Inger (USA) (1972)</b>	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	
<b>Daigle, Angela (USA) (1976)</b>	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	
<b>Myrick, Wyllesheia (USA) (1979)</b>	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	
<b>Williams, Aleah (USA) (1981)</b>	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
<b>Felix, Allyson (USA) (1985)</b>	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	
<b>Lee, Muna (USA) (1981)</b>	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	
<b>Hall, Monique (USA) (1980)</b>	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	
<b>Dyer, Tonette (USA) (1982)</b>	time	6.36	11.64	17.27	23.50	23.50	6 / 4			
reaction time	interval		5.28	5.63	6.23		# of strides	11.64	11.86	-0.22

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	9.47	8.88	8.03	8.51	8.59	8.43
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<b>Ivery, Lakadron (USA) (1983)</b>	time	6.59	12.00	17.68	24.01	24.01	8 / 5			
reaction time	interval		5.41	5.68	6.33		# of strides	12.00	12.01	-0.01
	velocity	7.59	9.24	8.80	7.90	8.33		8.33	8.33	

**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
<b>Edwards, Torri (USA) (1977)</b>	time	6.26	11.45	16.65	22.38	22.38	5 / <del>4</del>			
reaction time	interval		5.19	5.20	5.73	<b>DV</b>	# of strides	11.45	10.93	0.52
	velocity	7.99	9.63	9.62	8.73	8.94		8.73	9.15	
<b>Durst, Stephanie (USA) (1982)</b>	time	6.34	11.60	16.87	22.66	22.66	7 / <del>2</del> 1			
reaction time	interval		5.26	5.27	5.79		# of strides	11.60	11.06	0.54
	velocity	7.89	9.51	9.49	8.64	8.83		8.62	9.04	
<b>Boone, Rachael (USA) (1981)</b>	time	6.32	11.47	16.83	22.69	22.69	6 / <del>3</del> 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	
<b>Pelham, Shaunta (USA) (1978)</b>	time	6.42	11.71	17.17	23.26	23.26	4 / <del>4</del> 3			
reaction time	interval		5.29	5.46	6.09		# of strides	11.71	11.55	0.16
	velocity	7.79	9.45	9.16	8.21	8.60		8.54	8.66	
<b>Carter, Antonette (USA) (1984)</b>	time	6.52	11.96	17.47	23.45	23.45	8 / <del>5</del> 4			
reaction time	interval		5.44	5.51	5.98		# of strides	11.96	11.49	0.47
	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
<b>Miller, Inger (USA) (1972)</b>	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	
<b>Boone, Rachael (USA) (1981)</b>	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	
<b>Moore, LaShaunte'a (USA) (1984)</b>	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	
<b>Cox, Crystal (USA) (1979)</b>	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	
<b>Jones, Marion (USA) (1975)</b>	time	6.37	11.52	16.92	22.93	22.93	8 / <del>5</del>			
reaction time	interval		5.15	5.40	6.01	<b>DV</b>	# of strides	11.52	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
<b>Lee, Muna (USA) (1981)</b>	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	
<b>Durst, Stephanie (USA) (1982)</b>	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	
<b>Myrick, Wyllesheia (USA) (1979)</b>	time	6.37	11.63	16.98	22.94	22.94	7 / 3			
reaction time	interval		5.26	5.35	5.96	<b>PB</b>	# of strides	11.63	11.31	0.32
	velocity	7.85	9.51	9.35	8.39	8.72		8.60	8.84	
<b>Daigle, Angela (USA) (1976)</b>	time	6.39	11.71	17.12	22.98	22.98	4 / 4			
reaction time	interval		5.32	5.41	5.86	<b>PB</b>	# of strides	11.71	11.27	0.44

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

velocity	7.82	9.40	9.24	8.53	8.70	8.54	8.87
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**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
<b>Edwards, Torri (USA) (1977)</b>	time	6.19	11.36	16.63	22.60	22.60	5 / <del>1</del>			
reaction time	interval		5.17	5.27	5.97	<b>DV</b>	# of strides	11.36	11.24	0.12
	velocity	8.08	9.67	9.49	8.38	8.85		8.80	8.90	
<b>Felix, Allyson (USA) (1985)</b>	time	6.32	11.50	16.79	22.67	22.67	6 / <del>2</del> 1			
reaction time	interval		5.18	5.29	5.88		# of strides	11.50	11.17	0.33
	velocity	7.91	9.65	9.45	8.50	8.82		8.70	8.95	
<b>Hall, Monique (USA) (1980)</b>	time	6.44	11.79	17.29	23.42	23.42	5 / <del>3</del> 2			
reaction time	interval		5.35	5.50	6.13		# of strides	11.79	11.63	0.16
	velocity	7.76	9.35	9.09	8.16	8.54		8.48	8.60	
<b>Williams, Aleah (USA) (1981)</b>	time	6.37	11.66	17.24	23.56	23.56	8 / <del>4</del> 3			
reaction time	interval		5.29	5.58	6.32		# of strides	11.66	11.90	-0.24
	velocity	7.85	9.45	8.96	7.91	8.49		8.58	8.40	
<b>Pelham, Shaunta (USA) (1978)</b>	time	6.39	11.75	17.32	23.62	23.62	7 / <del>5</del> 4			
reaction time	interval		5.36	5.57	6.30		# of strides	11.75	11.87	-0.12
	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
<b>Moore, Connie (USA) (1981)</b>	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	
<b>Dyer, Tonette (USA) (1982)</b>	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	
<b>Carter, Antonette (USA) (1984)</b>	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	
<b>Ivery, Lakadron (USA) (1983)</b>	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	
<b>Rhett, Amandi (USA) (1982)</b>	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
<b>White, Kelli (USA) (1977)</b>	0.178	no information available			<b>DV</b>	22.05	6 / <del>4</del>			
<b>Kapachinskaya, Anastasiya (RU)</b>	0.222	no information available			<b>PB</b>	22.38	5 / <del>2</del> 1			
<b>Edwards, Torri (USA) (1977)</b>	0.144	no information available				22.47	2 / <del>3</del> 2			
<b>Hurtis, Muriel (FRA) (1979)</b>	0.184	no information available				22.59	4 / <del>4</del> 3			
<b>Block, Zhanna (UKR) (1972)</b>	0.230	no information available			<b>DV</b>	22.92	3 / <del>5</del>			
<b>McDonald, Beverly (JAM) (1970)</b>	0.216	no information available				22.95	8 / <del>7</del> 4			
<b>Safronnikova, Natalya (BLR) (1972)</b>	0.208	no information available				22.98	1 / <del>7</del> 5			
<b>Kravchenko, Anzhela (UKR) (1972)</b>	0.208	no information available				23.00	7 / <del>8</del> 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
<b>White, Kelli (USA) (1977)</b>	time	6.26	11.46	16.63	22.21	22.21	5 / <del>4</del>			
reaction time	interval		5.20	5.17	5.58	<b>DV</b>	# of strides	11.46	10.75	0.71
	velocity	7.99	9.62	9.67	8.96	9.00		8.73	9.30	

<b>Edwards, Torri (USA) (1977)</b>	time	6.44	11.58	16.75	22.45	22.45	8 / <del>2</del> 1			
	reaction time	interval	5.14	5.17	5.70		# of strides	11.58	10.87	0.71
	velocity	7.76	9.73	9.67	8.77	8.91		8.64	9.20	
<b>Felix, Allyson (USA) (1985)</b>	time	6.54	11.79	17.01	22.59	22.59	4 / <del>3</del> 2			
	reaction time	interval	5.25	5.22	5.58		# of strides	11.79	10.80	0.99
	velocity	7.65	9.52	9.58	8.96	8.85		8.48	9.26	
<b>Jenkins, LaTasha (USA) (1977)</b>	time	6.61	11.85	17.03	22.65	22.65	6 / <del>4</del> 3			
	reaction time	interval	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	
<b>Miller, Inger (USA) (1972)</b>	time	6.46	11.60	16.95	22.77	22.77	3 / <del>5</del> 4			
	reaction time	interval	5.14	5.35	5.82		# of strides	11.60	11.17	0.43
	velocity	7.74	9.73	9.35	8.59	8.78		8.62	8.95	
<b>Cox, Crystal (USA) (1979)</b>	time	6.62	11.99	17.27	23.11	23.11	7 / <del>6</del> 5			
	reaction time	interval	5.37	5.28	5.84		# of strides	11.99	11.12	0.87
	velocity	7.55	9.31	9.47	8.56	8.65		8.34	8.99	
<b>Pelham, Shaunta (USA) (1978)</b>	time	6.66	11.96	17.40	23.32	23.32	2 / <del>7</del> 6			
	reaction time	interval	5.30	5.44	5.92		# of strides	11.96	11.36	0.60
	velocity	7.51	9.43	9.19	8.45	8.58		8.36	8.80	
<b>Floyd, Ebonie (USA) (1983)</b>	time	6.61	12.01	17.58	23.44	23.44	1 / <del>8</del> 7			
	reaction time	interval	5.40	5.57	5.86		# of strides	12.01	11.43	0.58
	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
<b>Solomon, Shalonda (USA) (1988)</b>	time	6.59	12.01	17.47	23.37	23.37	6 / 1				
	reaction time	interval	5.42	5.46	5.90		# of strides	12.01	11.36	0.65	
	velocity	7.59	9.23	9.16	8.47	8.56		8.33	8.80		
<b>Cox, Shana (USA) (1985)</b>	time	6.67	12.15	17.65	23.67	23.67	7 / 2				
	reaction time	interval	5.48	5.50	6.02		# of strides	12.15	11.52	0.63	
	velocity	7.50	9.12	9.09	8.31	8.45		8.23	8.68		
<b>Broadus, Juanita (USA) (1985)</b>	time	6.71	12.25	17.75	23.76	23.76	4 / 3				
	reaction time	interval	5.54	5.50	6.01		# of strides	12.25	11.51	0.74	
	velocity	7.45	9.03	9.09	8.32	8.42		8.16	8.69		
<b>Perkins, Angel (USA) (1984)</b>	time		12.03	17.68	23.82	23.82	1 / 4				
	reaction time	interval		5.65	6.14		# of strides	12.03	11.79	0.24	
	velocity		8.31	8.85	8.14	8.40		8.31	8.48		
<b>Smith, Stephanie (USA) (1985)</b>	time	6.92	12.46	18.07	24.00	24.00	3 / 5				
	reaction time	interval	5.54	5.61	5.93		# of strides	12.46	11.54	0.92	
	velocity	7.23	9.03	8.91	8.43	8.33		8.03	8.67		
<b>Hastings, Natasha (USA) (1986)</b>	time	6.72	12.37	18.02	24.12	24.12	5 / 6				
	reaction time	interval	5.65	5.65	6.10	<b>PB</b>	# of strides	12.37	11.75	0.62	
	velocity	7.44	8.85	8.85	8.20	8.29		8.08	8.51		
<b>Olear, Elizabeth (USA) (1988)</b>	time			18.09	24.42	24.42	2 / 7				
	reaction time	interval			6.33		# of strides				
	velocity			8.29	7.90	8.19					
<b>Carter, Antonette (USA) (1984)</b>	time	6.77	12.51	18.29	24.78	24.78	8 / 8				
	reaction time	interval	5.74	5.78	6.49		# of strides	12.51	12.27	0.24	
	velocity	7.39	8.71	8.65	7.70	8.07		7.99	8.15		
<b>McNair, Bianca (USA) (1984)</b>	time	6.99	12.84	18.61	24.99	24.99	9 / 9				
	reaction time	interval	5.85	5.77	6.38		# of strides	12.84	12.15	0.69	
	velocity	7.15	8.55	8.67	7.84	8.00		7.79	8.23		

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



## 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
<b>Hurtis, Muriel (FRA) (1978)</b>	time	6.38	11.41	16.69	22.43	22.43	4 / 1			
	reaction time	0.180	interval	5.03	5.74		# of strides	11.41	11.02	0.39
	velocity	7.84	9.94	9.47	8.71	8.92		8.76	9.07	
<b>Gevaert, Kim (BEL) (1979)</b>	time	6.37	11.51	16.82	22.53	22.53	3 / 2			
	reaction time	0.152	interval	5.14	5.71		# of strides	11.51	11.02	0.49
	velocity	7.85	9.73	9.42	8.76	8.88		8.69	9.07	
<b>Levorato, Manuela (ITA) (1977)</b>	time	6.39	11.55	16.92	22.75	22.75	5 / 3			
	reaction time	0.145	interval	5.16	5.83		# of strides	11.55	11.20	0.35
	velocity	7.82	9.69	9.31	8.58	8.79		8.66	8.93	
<b>Félix, Sylviane (FRA) (1977)</b>	time	6.46	11.73	17.10	22.89	22.89	6 / 4			
	reaction time	0.167	interval	5.27	5.79		# of strides	11.73	11.16	0.57
	velocity	7.74	9.49	9.31	8.64	8.74		8.53	8.96	
<b>Rockmeier, Gabi (GER) (1973)</b>	time	6.43	11.59	17.02	23.00	23.00	8 / 5			
	reaction time	0.139	interval	5.16	5.98		# of strides	11.59	11.41	0.18
	velocity	7.78	9.69	9.21	8.36	8.70		8.63	8.76	
<b>Mayr-Krifka, Karin (AUT) (1971)</b>	time	6.39	11.56	17.04	23.06	23.06	2 / 6			
	reaction time	0.147	interval	5.17	6.02		# of strides	11.56	11.50	0.06
	velocity	7.82	9.67	9.12	8.31	8.67		8.65	8.70	
<b>Poelman, Jacqueline (NED) (1971)</b>	time	6.53	11.83	17.32	23.31	23.31	7 / 7			
	reaction time	0.163	interval	5.30	5.99		# of strides	11.83	11.48	0.35
	velocity	7.66	9.43	9.11	8.35	8.58		8.45	8.71	
<b>Bikar, Alenka (SLO) (1974)</b>	time	6.46	11.75	17.32	23.37	23.37	1 / 8			
	reaction time	0.143	interval	5.29	6.05		# of strides	11.75	11.62	0.13
	velocity	7.74	9.45	8.98	8.26	8.56		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
<b>Gevaert, Kim (BEL) (1978)</b>	time	6.38	11.50	16.93	22.73	22.73	/ 1			
	reaction time	0.141	interval	5.12	5.80		# of strides	11.50	11.23	0.27
	velocity	7.84	9.77	9.21	8.62	8.80		8.70	8.90	
<b>Félix, Sylviane (FRA) (1977)</b>	time	6.48	11.69	17.04	22.78	22.78	/ 2			
	reaction time	0.172	interval	5.21	5.74		# of strides	11.69	11.09	0.60
	velocity	7.72	9.60	9.35	8.71	8.78		8.55	9.02	
<b>Rockmeier, Gabi (GER) (1973)</b>	time	6.48	11.63	17.08	23.07	23.07	/ 3			
	reaction time	0.137	interval	5.15	5.99		# of strides	11.63	11.44	0.19
	velocity	7.72	9.71	9.17	8.35	8.67		8.60	8.74	
<b>Poelman, Jacqueline (NED) (1971)</b>	time	6.50	11.69	17.20	23.14	23.14	/ 4			
	reaction time	0.152	interval	5.19	5.94		# of strides	11.69	11.45	0.24
	velocity	7.69	9.63	9.07	8.42	8.64		8.55	8.73	
<b>Graglia, Daniela (ITA) (1976)</b>	time	6.36	11.66	17.24	23.20	23.20	/ 5			
	reaction time	0.140	interval	5.30	5.96	<b>PB</b>	# of strides	11.66	11.54	0.12
	velocity	7.86	9.43	8.96	8.39	8.62		8.58	8.67	
<b>Tabakova, Yuliya (RUS) (1980)</b>	time	6.45	11.70	17.32	23.32	23.32	/ 6			
	reaction time	0.144	interval	5.25	6.00		# of strides	11.70	11.62	0.08
	velocity	7.75	9.52	8.90	8.33	8.58		8.55	8.61	
<b>Kaidantzi, Ólga (GRE) (1979)</b>	time	6.57	11.87	17.39	23.39	23.39	/ 7			
	reaction time	0.163	interval	5.30	6.00		# of strides	11.87	11.52	0.35
	velocity	7.61	9.43	9.06	8.33	8.55		8.42	8.68	

<b>Dia Longo, Fabé (FRA) (1977)</b>	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
<b>Hurtis, Muriel (FRA) (1979)</b>	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	
<b>Levorato, Manuela (ITA) (1977)</b>	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	
<b>Mayr-Krifka, Karin (AUT) (1971)</b>	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	
<b>Bikar, Alenka (SLO) (1974)</b>	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	
<b>Sheehy, Ciara (IRL) (1980)</b>	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	
<b>Mashova, Ekaterina (BUL) (1974)</b>	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	
<b>Khabarova, Irina (RUS) (1966)</b>	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	
<b>Anderson, Shani (GBR) (1975)</b>	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
<b>Gevaert, Kim (BEL) (1978)</b>	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
<b>Félix, Sylviane (FRA) (1977)</b>	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	
<b>Levorato, Manuela (ITA) (1977)</b>	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
<b>Mayr-Krifka, Karin (AUT) (1971)</b>	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
<b>Hurtis, Muriel (FRA) (1979)</b>	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
		velocity	7.80	9.75	9.28	8.43	8.75	8.67	8.83	

<b>Rockmeier, Gabi (GER) (1973)</b>	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	
<b>Sheehy, Ciara (IRL) (1980)</b>	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 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
<b>Jones, Marion (USA) (1975)</b>	time			★	10.9	★	22.39	22.39	5 / <del>1</del>			
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	
<b>Ferguson, Debbie (BAH) (1976)</b>	time				11.1		22.52	22.52	4 / <del>2</del> 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	
<b>White, Kellie (USA) (1977)</b>	time				11.2		22.56	22.56	3 / <del>3</del>			
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	
<b>Jenkins, LaTasha (USA) (1977)</b>	time				11.3		22.85	22.85	7 / <del>4</del> 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	
<b>Mothersill, Cydonie (CAY) (1978)</b>	time				11.3		22.88	22.88	1 / <del>5</del> 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	
<b>Campbell, Juliet (JAM) (1970)</b>	time				11.3		22.99	22.99	2 / <del>6</del> 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	
<b>Bikar, Alenka (SLO) (1974)</b>	time				11.3		23.00	23.00	8 / <del>7</del> 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	
<b>Mani, Myriam (CMR) (1977)</b>	time				11.3		23.15	23.15	6 / <del>8</del> 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) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Safronnikova, Natallia (BLR) (1975)</b>	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
		velocity			7.84		9.80	9.36	8.53	8.82		8.71
<b>Tirlea, Ionela (ROU) (1976)</b>	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
		velocity			7.84		9.69	9.19	8.52	8.75		8.67
<b>Goncharenko, Svetlana (RUS) (1975)</b>	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
		velocity			7.81		9.80	9.23	8.40	8.75		8.70
<b>Rockmeier, Gabi (GER) (1973)</b>	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
		velocity			7.74		9.63	9.14	8.45	8.68		8.58
<b>Levorato, Manuela (ITA) (1977)</b>	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

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	9.60	9.01	8.32	8.63		8.61	8.65	
<b>Merry, Katharine (GBR) (1974)</b>	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	
<b>Dia Longo, Fabé (FRA) (1977)</b>	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	
<b>Suchovská, Erika (CZE) (1967)</b>	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	

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

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

**FINAL**

date 28-Sep-00 wind 0.7 m/s

Veney - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jones, Marion (USA) (1975)</b>	time		11.03	16.23	21.84	21.84	4 / <del>4</del>			Veney
	reaction time	0.174	interval	5.20	5.61	<b>DV</b>	# of strides	11.03	10.81	0.22
	velocity		9.07	9.62	8.91	9.16		9.07	9.25	
<b>Davis-Thompson, Paulien (BAH)</b>	time		11.3		22.3	22.27	3 / <del>2</del> 1			Butler (2016)
	reaction time	0.185	interval		11.0	<b>PB</b>	# of strides	11.30	11.00	0.30
	velocity		8.85		9.09	8.98		8.85	9.09	
<b>Jayasinghe, Susanthika (SRI) (1)</b>	time		11.2		22.3	22.28	6 / <del>3</del> 2			Butler (2016)
	reaction time	0.207	interval		11.1	<b>NR</b>	# of strides	11.20	11.10	0.10
	velocity		8.93		9.01	8.98		8.93	9.01	
<b>McDonald, Beverly (JAM) (1970)</b>	time		11.4		22.4	22.35	1 / <del>4</del> 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	
<b>Ferguson, Debbie (BAH) (1976)</b>	time		11.3		22.4	22.37	5 / <del>5</del> 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	
<b>Gainsford-Taylor, Melinda (AUS)</b>	time		11.4		22.4	22.42	7 / <del>6</del> 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	
<b>Freeman, Cathy (AUS) (1973)</b>	time		11.68	16.96	22.53	22.53	2 / <del>7</del> 6			Veney
	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	
<b>Block, Zhanna (UKR) (1972)</b>	time		11.4		22.7	22.66	8 / <del>8</del> 7			Butler (2016)
	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

Hymans (2008) - history of the US olympic trials - track and field

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jones, Marion (USA) (1975)</b>	time		11.1		21.94	21.94	5 / 1			
	reaction time		interval		10.8		# of strides	11.10	10.84	0.26
	velocity		9.01		9.23	9.12		9.01	9.23	
<b>Miller, Inger (USA) (1972)</b>	time		11.3		22.09	22.09	7 / 2			
	reaction time		interval		10.8		# of strides	11.30	10.79	0.51
	velocity		8.85		9.27	9.05		8.85	9.27	
<b>Perry, Nanceen (USA) (1977)</b>	time		11.4		22.38	22.38	6 / 3			
	reaction time		interval		11.0	<b>PB</b>	# of strides	11.40	10.98	0.42
	velocity		8.77		9.11	8.94		8.77	9.11	
<b>Edwards, Torri (USA) (1977)</b>			no information available			22.68	8 / 4			

<b>Collander-Richardson, Latasha (USA) (1976)</b>	no information available	22.76	2 / 5
<b>Collins, Michelle (USA) (1971)</b>	no information available	22.80	4 / 6
<b>Jenkins, LaTasha (USA) (1977)</b>	no information available	22.99	3 / 7
<b>Guidry, Carlette (USA) (1968)</b>	no information available	23.15	1 / 8

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

		date	27-Aug-99	wind	0.6 m/s	<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Miller, Inger (USA) (1972)</b>	time		6.16	11.10	16.23	21.77	21.77	3 / 1				
	reaction time	0.124	interval	4.94	5.13	5.54	<b>PB</b>	# of strides	11.10	10.67	0.43	
	velocity		8.12	10.12	9.75	9.03	9.19		9.01	9.37		
<b>McDonald, Beverly (JAM) (1970)</b>	time		6.31	11.28	16.57	22.22	22.22	8 / 2				
	reaction time	0.135	interval	4.97	5.29	5.65	<b>PB</b>	# of strides	11.28	10.94	0.34	
	velocity		7.92	10.06	9.45	8.85	9.00		8.87	9.14		
<b>Frazer, Merlene (JAM) (1973)</b>	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		
<b>Philipp, Andrea (GER) (1971)</b>	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		
<b>Ferguson, Debbie (BAH) (1976)</b>	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		
<b>Yusuf, Fatima (NGR) (1971)</b>	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		
<b>Hewitt, Lauren (AUS) (1978)</b>	time		6.28	11.42	16.80	22.53	22.53	1 / 7				
	reaction time	0.132	interval	5.14	5.38	5.73	<b>PB</b>	# of strides	11.42	11.11	0.31	
	velocity		7.96	9.73	9.29	8.73	8.88		8.76	9.00		
<b>Campbell, Juliet (JAM) (1970)</b>	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 analysis)**

		date	25-Aug-99	wind	1.8 m/s	<i>Graubner (2008) - http://www.fgs.uni-halle.de</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Philipp, Andrea (GER) (1971)</b>	time				11.47		22.25	22.25	8 / 2			
	reaction time	0.139	interval			10.78	<b>PB</b>	# 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	<i>Graubner (2008) - http://www.fgs.uni-halle.de</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Jones, Marion (USA) (1975)</b>	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	<i>Veney - 200m women from PJ</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Jones, Marion (USA) (1975)</b>	time		6.21	11.08	16.13	21.62	21.62	9 / 1				
	reaction time	0.258	interval	4.87	5.05	5.49	<b>CR / PB</b>	# of strides	11.08	10.54	0.54	
	velocity		8.05	10.27	9.90	9.11	9.25		9.03	9.49		
<b>Ogunkoya, Falilat (NGR) (1968)</b>	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		
<b>Pintusevich, Zhana (UKR) (1972)</b>	0.192		no information available				22.35	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

<b>McDonald, Beverly (JAM) (1970)</b>	0.204	no information available	22.36	8 / 4
<b>Privalova, Irina (RUS) (1968)</b>	0.183	no information available	22.61	7 / 5
<b>Paschke, Melanie (GER) (1970)</b>	0.139	no information available	22.70	4 / 6
<b>van Heer, Tania (AUS) (1970)</b>	0.147	no information available	22.93	3 / 7
<b>Yan Jiankui (CHN) (1976)</b>	0.190	no information available	23.19	6 / 8

### 1997 IAAF World Championships (Athens, GRE)

#### FINAL

		date	08-Aug-97	wind	-0.7 m/s	<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Pintusevich, Zhanna (UKR) (1971)</b>	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	
<b>Jayasinghe, Susanthika (SRI) (1971)</b>	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	
<b>Ottey, Merlene (JAM) (1960)</b>	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	
<b>Leshchova, Yekaterina (RUS) (1971)</b>	time			6.21	11.31	16.71	22.35	22.50	7 / 4			
	reaction time	0.149	interval		5.10	5.40	5.64		# of strides	11.31	11.04	0.27
	velocity			8.05	9.80	9.26	8.87	8.89	94.2	8.84	9.06	
<b>Miller, Inger (USA) (1972)</b>	time			6.08	11.12	16.48	22.38	22.52	6 / 5			
	reaction time	0.142	interval		5.04	5.36	5.90		# of strides	11.12	11.26	-0.14
	velocity			8.22	9.92	9.33	8.47	8.88	97.2	8.99	8.88	
<b>Trandenkova, Marina (RUS) (1971)</b>	time			6.25	11.39	16.75	22.51	22.65	1 / 6			
	reaction time	0.138	interval		5.14	5.36	5.76		# of strides	11.39	11.12	0.27
	velocity			8.00	9.73	9.33	8.68	8.83	100.5	8.78	8.99	
<b>Gainsford-Taylor, Melinda (AUS) (1971)</b>	time			6.24	11.30	16.68	22.58	22.73	2 / 7			
	reaction time	0.150	interval		5.06	5.38	5.90		# of strides	11.30	11.28	0.02
	velocity			8.01	9.88	9.29	8.47	8.80	94.2	8.85	8.87	
<b>Félix, Sylviane (FRA) (1977)</b>	time			6.37	11.57	16.93	22.65	22.81	8 / 8			
	reaction time	0.157	interval		5.20	5.36	5.72		# of strides	11.57	11.08	0.49
	velocity			7.85	9.62	9.33	8.74	8.77		8.64	9.03	

### 1997 European Cup (Munich, GER)

#### FINAL

		date	22-Jun-97	wind	-0.2 m/s	<i>Jung (2003) - http://www.fgs.uni-halle.de</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Arron, Christine (FRA) (1973)</b>	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	
<b>Philipp, Andrea (GER) (1971)</b>	time			6.49	11.72	17.13	22.98	22.98	/ 2			
	reaction time		interval		5.23	5.41	5.85	<b>=PB</b>	# of strides	11.72	11.26	0.46
	velocity			7.70	9.56	9.24	8.55	8.70		8.53	8.88	
<b>Trandenkova, Marina (RUS) (1971)</b>	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	
<b>Safronnikova, Natalia (BLR) (1971)</b>	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	
<b>de Angeli, Virna (ITA) (1976)</b>	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	
<b>Jacobs, Simmone (GBR) (1966)</b>	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		
<b>Lysakova, Olga (UKR) (1971)</b>	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	
<b>Bumbescu, Monika (ROU) (1971)</b>	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	

**1996 Olympic Games (Atlanta, GA)****FINAL**

date 01-Aug-96

wind 0.3 m/s

Venezky - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Pérec, Marie-José (FRA) (1968)</b>	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	
<b>Ottey, Merlene (JAM) (1960)</b>	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		8.87	9.56	8.73	8.99		8.87	9.12	
<b>Onyali-Omagbemi, Mary (NGR)</b>	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	
<b>Miller, Inger (USA) (1972)</b>	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	
<b>Malchugina, Galina (URS) (1962)</b>	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	
<b>Sturupp, Chandra (BAH) (1971)</b>	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	
<b>Cuthbert, Juliet (JAM) (1964)</b>	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	
<b>Guidry-White, Carlette (USA) (1971)</b>	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
<b>Pérec, Marie-José (FRA) (1968)</b>	time		11.28		22.07	22.07	4 / 1			
reaction time	0.185 interval				10.79		# of strides	11.28	10.79	0.49
	velocity		8.87		9.27	9.06		8.87	9.27	

**1996 USATF National Junior 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
<b>Perry, Nanceen (USA) (1977)</b>	time	6.65	11.96	17.50	23.52	23.52	4 / 1			
reaction time	interval		5.31	5.54	6.02		# of strides	11.96	11.56	0.40
	velocity	7.52	9.42	9.03	8.31	8.50		8.36	8.65	
<b>Cox, Crystal (USA) (1979)</b>	time	6.65	11.86	17.50	23.69	23.69	5 / 2			
reaction time	interval		5.21	5.64	6.19		# of strides	11.86	11.83	0.03
	velocity	7.52	9.60	8.87	8.08	8.44		8.43	8.45	
<b>Anderson, Andrea (USA) (1977)</b>	time	6.61	11.96	17.56	23.85	23.85	6 / 3			
reaction time	interval		5.35	5.60	6.29		# of strides	11.96	11.89	0.07

	velocity	7.56	9.35	8.93	7.95	8.39		8.36	8.41		
<b>Simmons, Alexia (USA) (1977)</b>	time	6.71	11.98	17.80	24.18	24.18	7 / 4				
	reaction time		interval	5.27	5.82	6.38	<b>PB</b>	# of strides	11.98	12.20	-0.22
	velocity	7.45	9.49	8.59	7.84	8.27		8.35	8.20		
<b>Carmichael, Nicole (USA) (1977)</b>	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		
<b>Rivers, Theodoesha (USA) (1977)</b>	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
<b>Guidry-White, Carlette (USA) (1977)</b>	time		11.22	16.43	22.14	22.14	3 / 1			
	reaction time		interval	5.21	5.71	<b>PB</b>	# of strides	11.22	10.92	0.30
	velocity		8.91	9.60	8.76	9.03		8.91	9.16	
<b>Young-Stone, Dannette (USA) (1977)</b>	time		11.27	16.48	22.18	22.18	5 / 2			
	reaction time	0.168	interval	5.21	5.70	<b>PB</b>	# of strides	11.27	10.91	0.36
	velocity		8.87	9.60	8.77	9.02		8.87	9.17	
<b>Miller, Inger (USA) (1972)</b>	time		11.28	16.52	22.25	22.25	8 / 3			
	reaction time	0.167	interval	5.24	5.73	<b>=PB</b>	# of strides	11.28	10.97	0.31
	velocity		8.87	9.54	8.73	8.99		8.87	9.12	
<b>Torrence, Gwen (USA) (1965)</b>	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	
<b>Feagin, Zundra (USA) (1973)</b>	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	
<b>Mondie-Milner, Celena (USA) (1977)</b>	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	
<b>Taplin, Cheryl (USA) (1972)</b>	time		11.37	16.77	22.59	22.59	2 / 7			
	reaction time		interval	5.40	5.82	<b>PB</b>	# of strides	11.37	11.22	0.15
	velocity		8.80	9.26	8.59	8.85		8.80	8.91	
<b>Jett, Kisha (USA) (1975)</b>	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
<b>Young-Stone, Dannette (USA) (1977)</b>	time		11.39	16.68	22.31	22.31	3 / 1			
	reaction time		interval	5.29	5.63	<b>PB</b>	# of strides	11.39	10.92	0.47
	velocity		8.78	9.45	8.88	8.96		8.78	9.16	
<b>Torrence, Gwen (USA) (1965)</b>	time		11.49	16.75	22.35	22.35	6 / 2			
	reaction time		interval	5.26	5.60		# of strides	11.49	10.86	0.63
	velocity		8.70	9.51	8.93	8.95		8.70	9.21	
<b>Miller, Inger (USA) (1972)</b>	time		11.52	16.83	22.45	22.45	5 / 3			
	reaction time		interval	5.31	5.62		# of strides	11.52	10.93	0.59
	velocity		8.68	9.42	8.90	8.91		8.68	9.15	
<b>Taplin, Cheryl (USA) (1972)</b>	time		11.67	17.18	22.95	22.95	4 / 4			
	reaction time		interval	5.51	5.77		# of strides	11.67	11.28	0.39
	velocity		8.57	9.07	8.67	8.71		8.57	8.87	

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

<b>Perry, Nanceen (USA) (1977)</b>	time	11.96	17.43	23.46	23.46	2 / 5			
reaction time	interval		5.47	6.03		# of strides	11.96	11.50	0.46
	velocity	8.36	9.14	8.29	8.53		8.36	8.70	
<b>Mayo, Treshell (USA) (1974)</b>	time	11.89	17.46	23.49	23.49	1 / 6			
reaction time	interval		5.57	6.03		# of strides	11.89	11.60	0.29
	velocity	8.41	8.98	8.29	8.51		8.41	8.62	
<b>Harris, Flirtisha (USA) (1972)</b>	time	12.07	17.80	24.00	24.00	8 / 7			
reaction time	interval		5.73	6.20		# of strides	12.07	11.93	0.14
	velocity	8.29	8.73	8.06	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
<b>Guidry-White, Carlette (USA) (1977)</b>	time	11.35	16.49	22.29	22.29	22.29	5 / 1			
reaction time	interval		5.14	5.80		<b>PB</b>	# of strides	11.35	10.94	0.41
	velocity	8.81	9.73	8.62	8.97			8.81	9.14	
<b>Feagin, Zundra (USA) (1973)</b>	time	11.55	16.64	22.35	22.35	22.35	3 / 2			
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	
<b>Mondie-Milner, Celena (USA) (1977)</b>	time	11.62	16.84	22.59	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	
<b>Jett, Kisha (USA) (1975)</b>	time	11.65	16.93	22.94	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	
<b>Burkett, Aspen (USA) (1976)</b>	time	12.03	17.46	23.36	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	
<b>Roberts, Tameka (USA) (1974)</b>	time	11.88	17.29	23.39	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	
<b>Williams, Angela (USA) (1980)</b>	time	11.98	17.35	23.40	23.40	23.40	2 / 7			
reaction time	interval		5.37	6.05		<b>PB</b>	# of strides	11.98	11.42	0.56
	velocity	8.35	9.31	8.26	8.55			8.35	8.76	
<b>Jones, Esther (USA) (1969)</b>	time	12.00	17.43	23.47	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**

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
<b>Torrence, Gwen (USA) (1965)</b>	time	11.14	16.17	21.77	21.77	21.77	6 / <del>4</del>			
reaction time	interval		5.03	5.60		<b>DQ</b>	# of strides	11.14	10.63	0.51
	velocity	8.98	9.94	8.93	9.19		96.0	8.98	9.41	
<b>Ottey, Merlene (JAM) (1960)</b>	time	11.12	16.37	22.12	22.12	22.12	4 / <del>2</del> 1			
reaction time 0.157	interval		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	
<b>Privalova, Irina (RUS) (1968)</b>	time	11.17	16.40	22.12	22.12	22.12	5 / <del>3</del> 2			
reaction time 0.189	interval		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	
<b>Malchugina, Galina (URS) (1962)</b>	time	11.35	16.57	22.37	22.37	22.37	3 / <del>4</del> 3			
reaction time	interval		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	



<b>Paschke, Melanie (GER) (1970)</b>	time	11.43	16.71	22.60	22.60	7 / <del>5</del> 4			
reaction time	interval		5.28	5.89		# of strides	11.43	11.17	0.26
	velocity	8.75	9.47	8.49	8.85	100.0	8.75	8.95	
<b>Knoll, Silke (GER) (1967)</b>	time	11.57	16.86	22.66	22.66	2 / <del>6</del> 5			
reaction time	interval		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	
<b>Onyali, Mary (NGR) (1968)</b>	time	11.39	16.73	22.71	22.71	8 / <del>7</del> 6			
reaction time	interval		5.34	5.98		# of strides	11.39	11.32	0.07
	velocity	8.78	9.36	8.36	8.81	95.0	8.78	8.83	
<b>Trandenkova, Marina (RUS) (1971)</b>	time	11.68	17.06	22.84	22.84	1 / <del>8</del> 7			
reaction time	interval		5.38	5.78	<b>PB</b>	# of strides	11.68	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
<b>Torrence, Gwen (USA) (1965)</b>	time	6.23	11.25	16.46	22.03	22.03	5 / 1				
reaction time	interval		5.02	5.21	5.57		# of strides	11.25	10.78	0.47	
	velocity	8.03	9.96	9.60	8.98	9.08		8.89	9.28		
<b>Guidry, Carlette (USA) (1968)</b>	time	6.25	11.40	16.74	22.57	22.57	3 / 2				
reaction time	interval		5.15	5.34	5.83		# of strides	11.40	11.17	0.23	
	velocity	8.00	9.71	9.36	8.58	8.86		8.77	8.95		
<b>Mondie-Milner, Celena (USA) (1970)</b>	time	6.31	11.61	16.96	22.76	22.76	4 / 3				
reaction time	interval		5.30	5.35	5.80		# of strides	11.61	11.15	0.46	
	velocity	7.92	9.43	9.35	8.62	8.79		8.61	8.97		
<b>Burkett, Aspen (USA) (1976)</b>	time	6.37	11.68	17.06	22.77	22.77	6 / 4				
reaction time	interval		5.31	5.38	5.71		# of strides	11.68	11.09	0.59	
	velocity	7.85	9.42	9.29	8.76	8.78		8.56	9.02		
<b>Gaines, Chryste (USA) (1970)</b>	time	6.40	11.53	17.03	23.07	23.07	7 / 5				
reaction time	interval		5.13	5.50	6.04		# of strides	11.53	11.54	-0.01	
	velocity	7.81	9.75	9.09	8.28	8.67		8.67	8.67		
<b>Walton, Sue (USA) (1972)</b>	time	6.45	11.76	17.30	23.28	23.28	8 / 6				
reaction time	interval		5.31	5.54	5.98		# of strides	11.76	11.52	0.24	
	velocity	7.75	9.42	9.03	8.36	8.59		8.50	8.68		
<b>Feagin, Zundra (USA) (1973)</b>	time	6.40	11.73	17.25	23.28	23.28	2 / 7				
reaction time	interval		5.33	5.52	6.03		# of strides	11.73	11.55	0.18	
	velocity	7.81	9.38	9.06	8.29	8.59		8.53	8.66		
<b>Young-Stone, Dannette (USA) (1973)</b>	time	6.50	11.83	17.32	23.31	23.31	1 / 8				
reaction time	interval		5.33	5.49	5.99		# of strides	11.83	11.48	0.35	
	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
<b>Ottey, Merlene (JAM) (1960)</b>	time	6.21	11.15	16.33	21.98	21.98	4 / 1				
reaction time	0.219 interval		4.94	5.18	5.65		# of strides	11.15	10.83	0.32	
	velocity	8.05	10.12	9.65	8.85	9.10	92.5	8.97	9.23		
<b>Torrence, Gwen (USA) (1965)</b>	time	6.30	11.28	16.44	22.00	22.00	6 / 2				
reaction time	0.244 interval		4.98	5.16	5.56		# of strides	11.28	10.72	0.56	
	velocity	7.94	10.04	9.69	8.99	9.09	97.5	8.87	9.33		
<b>Privalova, Irina (RUS) (1968)</b>	time	6.25	11.30	16.54	22.13	22.13	3 / 3				
reaction time	0.206 interval		5.05	5.24	5.59		# of strides	11.30	10.83	0.47	
	velocity	8.00	9.90	9.54	8.94	9.04	91.5	8.85	9.23		

<b>Pérec, Marie-José (FRA) (1968)</b>	time	6.32	11.36	16.52	22.20	22.20	7 / 4			
	reaction time	0.194	interval	5.04	5.16	5.68	# of strides	11.36	10.84	0.52
	velocity	7.91	9.92	9.69	8.80	9.01	85.2	8.80	9.23	
<b>Onyali, Mary (NGR) (1968)</b>	time	6.30	11.36	16.66	22.32	22.32	2 / 5			
	reaction time	0.216	interval	5.06	5.30	5.66	# of strides	11.36	10.96	0.40
	velocity	7.94	9.88	9.43	8.83	8.96	94.0	8.80	9.12	
<b>Voronova-Pomoshnikova, Natal</b>	time	6.41	11.48	16.82	22.50	22.50	8 / 6			
	reaction time	0.262	interval	5.07	5.34	5.68	# of strides	11.48	11.02	0.46
	velocity	7.80	9.86	9.36	8.80	8.89	95.2	8.71	9.07	
<b>Malchugina, Galina (RUS) (1962)</b>	time	6.33	11.33	16.65	22.50	22.50	5 / 7			
	reaction time	0.249	interval	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	
<b>Young-Stone, Dannette (USA)</b>	time	6.66	11.88	17.26	23.04	23.04	1 / 8			
	reaction time	0.189	interval	5.22	5.38	5.78	# of strides	11.88	11.16	0.72
	velocity	7.51	9.58	9.29	8.65	8.68		8.42	8.96	

**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
<b>Torrence, Gwen (USA) (1965)</b>	time		11.27		21.81	21.81	6 / 1			
	reaction time		interval		10.54		# of strides	11.27	10.54	0.73
	velocity		8.87		9.49	9.17	98.5	8.87	9.49	
<b>Cuthbert, Juliet (JAM) (1964)</b>	time		11.3		22.0	22.02	4 / 2			
	reaction time		interval		10.70		# of strides	11.30	10.70	0.60
	velocity		8.85		9.35	9.08	97.0	8.85	9.35	
<b>Ottey, Merlene (JAM) (1960)</b>	time		11.2		22.1	22.09	5 / 3			
	reaction time		interval		10.90		# of strides	11.20	10.90	0.30
	velocity		8.93		9.17	9.05	93.7	8.93	9.17	
<b>Privalova, Irina (EUN) (1968)</b>	time		11.2		22.2	22.19	3 / 4			
	reaction time		interval		11.00		# of strides	11.20	11.00	0.20
	velocity		8.93		9.09	9.01	93.7	8.93	9.09	
<b>Guidry, Carlette (USA) (1968)</b>	time		11.4		22.3	22.30	7 / 5			
	reaction time		interval		10.90		# of strides	11.40	10.90	0.50
	velocity		8.77		9.17	8.97	91.0	8.77	9.17	
<b>Jackson, Grace (JAM) (1961)</b>	time		11.6		22.6	22.58	8 / 6			
	reaction time		interval		11.00		# of strides	11.60	11.00	0.60
	velocity		8.62		9.09	8.86		8.62	9.09	
<b>Finn, Michelle (USA) (1965)</b>	time		11.4		22.6	22.61	2 / 7			
	reaction time		interval		11.20		# of strides	11.40	11.20	0.20
	velocity		8.77		8.93	8.85	95.2	8.77	8.93	
<b>Malchugina, Galina (EUN) (1962)</b>	time		11.5		22.6	22.63	1 / 8			
	reaction time		interval		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

Veny - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Torrence, Gwen (USA) (1965)</b>	time		11.26	16.35	21.72	21.72	3 / 1			
	reaction time		interval	5.09	5.37	<b>PB</b>	# of strides	11.26	10.46	0.80
	velocity		8.88	9.82	9.31	9.21	97.0	8.88	9.56	
<b>Finn, Michelle (USA) (1965)</b>	time		11.24	16.59	22.39	22.39	4 / 4			
	reaction time		interval	5.35	5.80	<b>PB</b>	# of strides	11.24	11.15	0.09
	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) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knoll, Silke (GER) (1967)</b>	time			11.51		22.29	22.29	/ 1			
reaction time	interval					10.78	<b>PB</b>	# 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
<b>Krabbe, Katrin (GER) (1969)</b>	time			11.07		22.09	22.09	3 / 1			
reaction time	interval					11.02		# of strides	11.07	11.02	0.05
	velocity		★	9.03	★	9.07	9.05	★	9.03	9.07	
<b>Torrence, Gwen (USA) (1965)</b>	time			11.30		22.16	22.16	4 / 2			
reaction time	interval					10.86		# of strides	11.30	10.86	0.44
	velocity			8.85		9.21	9.03	98.0	8.85	9.21	
<b>Ottey, Merlene (JAM) (1960)</b>	time			11.17		22.21	22.21	5 / 3			
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	
<b>Privalova, Irina (URS) (1968)</b>	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	
<b>Malchugina, Galina (URS) (1962)</b>	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	
<b>Young, Dannette (USA) (1964)</b>	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	
<b>Davis-Thompson, Pauline (BAH)</b>	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	
<b>Vinogradova, Yelena (URS) (1961)</b>	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) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Privalova, Irina (URS) (1968)</b>	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	
<b>Thomas, Andrea (GER) (1963)</b>	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	
<b>Nestoret, Maguy (FRA) (1969)</b>	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	
<b>Jacobs, Simone (GBR) (1966)</b>	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	
<b>Ilieva, Tsvetanka (BUL) (1963)</b>	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	



<b>Smolarek, Joanna (POL) (1965)</b>	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		
<b>Kozáry, Ágnes (HUN) (1966)</b>	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		
<b>Solcan, Elena (ROU) (1970)</b>	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
<b>Krabbe, Katrin (GER) (1969)</b>	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	

**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
<b>Möller, Silke (GDR) (1964)</b>	time	11.28	16.70	22.46	22.46	22.46	/ 1			
reaction time	0.203 interval		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	
<b>Onyali, Mary (NGR) (1968)</b>	time	11.56	17.00	22.82	22.82	22.82	/ 2			
reaction time	0.253 interval		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	
<b>Jackson, Grace (JAM) (1961)</b>	time	11.98	17.38	22.87	22.87	22.87	/ 3			
reaction time	0.212 interval		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	
<b>Young, Dannette (USA) (1964)</b>	time	11.74	17.28	23.08	23.08	23.08	/ 4			
reaction time	interval		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	
<b>Malchugina, Galina (URS) (1962)</b>	time	11.44	17.06	23.12	23.12	23.12	/ 5			
reaction time	interval		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	
<b>Bily, Laurence (FRA) (1963)</b>	time	11.64	17.22	23.20	23.20	23.20	/ 6			
reaction time	interval		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	
<b>Broadrick, Susanne (AUS) (1966)</b>	time	12.04	17.94	24.05	24.05	24.05	/ 7			
reaction time	interval		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	
<b>Zhang Xiaoqiong (CHN) (1966)</b>	time	12.22	18.06	24.25	24.25	24.25	/ 8			
reaction time	interval		5.84	6.19			# of strides	12.22	12.03	0.19
	velocity	8.18	8.56	8.08	8.25			8.18	8.31	
<b>Lacambra, Blanca (ESP) (1965)</b>	time	12.26	18.20	24.44	24.44	24.44	/ 9			
reaction time	interval		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
<b>Griffith-Joyner, Florence (USA)</b>	time	6.29	11.18	16.10	21.34	21.34	5 / 1			
reaction time	0.205 interval		4.89	4.92	5.24	<b>WR</b>	# of strides	11.18	10.16	1.02
	velocity	7.95	10.22	10.16	9.54	9.37	91.8	8.94	9.84	

<b>Jackson, Grace (JAM) (1961)</b>	time	6.32	11.32	16.38	21.72	21.72	6 / 2			
reaction time	0.195	interval	5.00	5.06	5.34	<b>PB</b>	# of strides	11.32	10.40	0.92
		velocity	7.91	10.00	9.88	9.36	9.21	83.3	8.83	9.62
<b>Drechsler, Heike (GDR) (1964)</b>	time	6.29	11.36	16.51	21.95	21.95	1 / 3			
reaction time	0.172	interval	5.07	5.15	5.44		# of strides	11.36	10.59	0.77
		velocity	7.95	9.86	9.71	9.19	9.11	89.5	8.80	9.44
<b>Ottey, Merlene (JAM) (1960)</b>	time	6.20	11.19	16.34	21.99	21.99	3 / 4			
reaction time	0.180	interval	4.99	5.15	5.65	<b>PB</b>	# of strides	11.19	10.80	0.39
		velocity	8.06	10.02	9.71	8.85	9.10	90.4	8.94	9.26
<b>Möller, Silke (GDR) (1964)</b>	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	9.05	103.0	8.89	9.23
<b>Torrence, Gwen (USA) (1965)</b>	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	9.02	102.3	8.79	9.27
<b>Azarashvili, Maya (URS) (1964)</b>	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	8.96	101.0	8.76	9.16
<b>Malchugina, Galina (URS) (1962)</b>	time	6.41	11.54	16.77	22.42	22.42	7 / 8			
reaction time	0.208	interval	5.13	5.23	5.65	<b>PB</b>	# of strides	11.54	10.88	0.66
		velocity	7.80	9.75	9.56	8.85	8.92	98.0	8.67	9.19

**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
<b>Jackson, Grace (JAM) (1961)</b>	time	6.36	11.37	16.60	22.13	22.13	4 / 1			
reaction time	0.194	interval	5.01	5.23	5.53	<b>PB</b>	# of strides	11.37	10.76	0.61
		velocity	7.86	9.98	9.56	9.04		8.80	9.29	
<b>Drechsler, Heike (GDR) (1964)</b>	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	
<b>Torrence, Gwen (USA) (1965)</b>	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	
<b>Malchugina, Galina (URS) (1962)</b>	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	
<b>Georgieva, Nadezhda (BUL) (1962)</b>	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	
<b>Dunn, Paula (GBR) (1964)</b>	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	
<b>Siwek, Agnieszka (POL) (1962)</b>	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	
<b>Anliker-Aebi, Regula (SUI) (1962)</b>	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**date 29-Sep-88 wind 1.7 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
<b>Griffith-Joyner, Florence (USA)</b>	time	6.33	11.29	16.36	21.56	21.56	5 / 1			
reaction time	0.156	interval	4.96	5.07	5.20	<b>WR</b>	# of strides	11.29	10.27	1.02

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

	velocity	7.90	10.08	9.86	9.62	9.28	91.5	8.86	9.74	
<b>Ottey, Merlene (JAM) (1960)</b>	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	
<b>Möller, Silke (GDR) (1964)</b>	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
	velocity	7.89	10.02	9.60	8.91	9.03	102.5	8.83	9.24	
<b>Azarashvili, Maya (URS) (1964)</b>	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	
<b>Onyali, Mary (NGR) (1968)</b>	time	6.39	11.53	16.83	22.43	22.43	2 / 5			
	reaction time	0.213	interval	5.14	5.30	5.60	<b>PB</b> # of strides	11.53	10.90	0.63
	velocity	7.82	9.73	9.43	8.93	8.92	93.0	8.67	9.17	
<b>Krabbe, Katrin (GDR) (1969)</b>	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	
<b>Davis-Thompson, Pauline (BAH)</b>	time	6.61	11.77	17.10	22.67	22.67	8 / 7			
	reaction time	0.320	interval	5.16	5.33	5.57	<b>PB</b> # of strides	11.77	10.90	0.87
	velocity	7.56	9.69	9.38	8.98	8.82		8.50	9.17	
<b>Thomas, Andrea (FRG) (1963)</b>	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

Veny - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Griffith-Joyner, Florence (USA) (1959)</b>		no information available				21.85	/ 1			
<b>Marshall, Pam (USA) (1960)</b>	time		11.43	16.59	21.93	21.93	/ 2			
	reaction time		interval	5.16	5.34	<b>PB</b>	# of strides	11.43	10.50	0.93
	velocity		8.75	9.69	9.36	9.12		8.75	9.52	
<b>Torrence, Gwen (USA) (1965)</b>		no information available				22.02	/ 3			
<b>Brisco, Valerie (USA) (1960)</b>		no information available				22.11	/ 4			
<b>Brown, Alice (USA) (1960)</b>	time		11.39	16.68	22.39	22.39	/ 5			
	reaction time		interval	5.29	5.71	<b>PB</b>	# of strides	11.39	11.00	0.39
	velocity		8.78	9.45	8.76	8.93		8.78	9.09	
<b>Young, Dannette (USA) (1964)</b>		no information available				22.52	/ 6			
<b>Vereen, Wenda (USA) (1966)</b>		no information available				22.93	/ 7			
<b>Williams, Diane (USA) (1960)</b>		no information available				22.95	/ 8			

**1987 IAAF World Championships (Rome, ITA)**

Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)

**FINAL**

date 03-Sep-87 wind 1.2 m/s

Veny - 200m women from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gladisch-Möller, Silke (GDR) (1959)</b>	time	6.13	11.09	16.18	21.74	21.74	3 / 1			
	reaction time	0.155	interval	4.96	5.56	<b>CR / PB</b>	# 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	
<b>Griffith-Joyner, Florence (USA)</b>	time	6.14	11.39	16.50	21.96	21.96	5 / 2			
	reaction time	0.141	interval	5.25	5.11	5.46	<b>PB</b> # of strides	11.39	10.57	0.82
	velocity	8.14	9.52	9.78	9.16	9.11	95.0	8.78	9.46	
<b>Ottey, Merlene (JAM) (1960)</b>	time	6.24	11.35	16.49	22.06	22.06	4 / 3			
	reaction time	0.177	interval	5.11	5.14	5.57	<b>PB</b> # of strides	11.35	10.71	0.64
	velocity	8.01	9.78	9.73	8.98	9.07	92.0	8.81	9.34	



<b>Marshall, Pam (USA) (1960)</b>	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	
<b>Torrence, Gwen (USA) (1965)</b>	time		11.69	16.92	22.40	22.40	8 / 5	Veney - 200m women from PJ		
reaction time		interval		5.23	5.48	<b>PB</b>	# of strides	11.69	10.71	0.98
	velocity	8.55	9.56	9.12	8.93			8.55	9.34	
<b>Onyali, Mary (NGR) (1968)</b>	time		11.67	16.90	22.52	22.52	6 / 6	Veney - 200m women from PJ		
reaction time		interval		5.23	5.62	<b>PB</b>	# of strides	11.67	10.85	0.82
	velocity	8.57	9.56	8.90	8.88			8.57	9.22	
<b>Kasprzyk, Ewa (POL) (1957)</b>	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	
<b>Georgieva, Nadezhda (BUL) (19</b>	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)					
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Griffith-Joyner, Florence (USA)</b>	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)					
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Ottey, Merlene (JAM) (1960)</b>	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	
<b>Gladisch-Möller, Silke (GDR) (19</b>	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)					
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Griffith-Joyner, Florence (USA)</b>	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	
<b>Ottey, Merlene (JAM) (1960)</b>	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)					
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Gladisch-Möller, Silke (GDR) (19</b>	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					
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Drechsler, Heike (GDR) (1964)</b>	time		11.00	16.14	21.71	21.71	4 / 1			
reaction time	0.190	interval		5.14	5.57	<b>AR</b>	# of strides	11.00	10.71	0.29
	velocity		9.09	9.73	8.98	9.21		9.09	9.34	
<b>Cazier, Marie-Christine (FRA) (19</b>	time		11.36		22.32	22.32	3 / 2			
reaction time	0.196	interval			10.96	<b>PB</b>	# of strides	11.36	10.96	0.40
	velocity		8.80		9.12	8.96		8.80	9.12	
<b>Gladisch-Möller, Silke (GDR) (19</b>	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	
<b>Molokova, Marina (URS) (1962)</b>	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	
<b>Kasprzyk, Ewa (POL) (1957)</b>	time	11.43	22.73	22.73	5 / 5			
reaction time	0.224 interval		11.30		# of strides	11.43	11.30	0.13
	velocity	8.75	8.85	8.80		8.75	8.85	
<b>Bochina, Natalya (URS) (1962)</b>	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	
<b>Günther-Reiger, Sabine (GDR)</b>	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	
<b>Zhirova, Marina (URS) (1963)</b>	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 Junior Championships (Athens, GRE)

#### FINAL

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
<b>Ogunkoya, Falilat (NGR) (1968)</b>	time	11.68	17.25	23.11	23.11	23.11	/ 1			
reaction time	interval		5.57	5.86	<b>CR</b>		# of strides	11.68	11.43	0.25
	velocity	8.56	8.98	8.53	8.65			8.56	8.75	
<b>Onyali, Mary (NGR) (1968)</b>	time	11.82	17.17	23.30	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	
<b>Krabbe, Katrin (GDR) (1969)</b>	time	11.56	17.27	23.31	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	
<b>Guidry, Carlette (USA) (1968)</b>		no information available				23.46	/ 4			
<b>Kovaloyova, Oksana (URS)</b>		no information available				23.60	/ 5			
<b>Cordes, Ina (FRG) (1968)</b>		no information available				23.65	/ 6			
<b>Leroy, Muriel (FRA) (1968)</b>		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
<b>Koch, Marita (GDR) (1957)</b>	time	11.23	16.41	21.90	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	
<b>Jackson, Grace (JAM) (1961)</b>	time	11.56		22.61	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	
<b>Zhirova, Marina (URS) (1963)</b>	time	11.5		22.67	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	
<b>Kasprzyk, Ewa (POL) (1957)</b>	time	11.7		23.05	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	
<b>Marshall, Pam (USA) (1960)</b>	time	12.0		23.15	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	

<b>Chapman, Maree (AUS) (1963)</b>	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		
<b>Uba, Rufina (NGR) (1959)</b>	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		
<b>Rao, Vandana (IND) (1963)</b>	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 *Vogel (1984) - olympische spiele in los angeles*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Brisco-Hooks, Valerie (USA) (1919)</b>	time		11.20		21.81	21.81	7 / 1			
reaction time	0.200 interval				10.61	<b>OR / PB</b>	# of strides	11.20	10.61	0.59
	velocity		8.93		9.43	9.17	96.0	8.93	9.43	
<b>Griffith, Florence (USA) (1959)</b>	time		11.17		22.04	22.04	4 / 2			
reaction time	0.185 interval				10.87	<b>PB</b>	# of strides	11.17	10.87	0.30
	velocity		8.95		9.20	9.07	93.0	8.95	9.20	
<b>Ottey, Merlene (JAM) (1960)</b>	time		11.26		22.09	22.09	2 / 3			
reaction time	0.193 interval				10.83	<b>PB</b>	# of strides	11.26	10.83	0.43
	velocity		8.88		9.23	9.05	92.0	8.88	9.23	
<b>Smallwood-Cook, Kathy (GBR) (1957)</b>	time		11.37		22.10	22.10	3 / 4			
reaction time	0.142 interval				10.73	<b>NR</b>	# of strides	11.37	10.73	0.64
	velocity		8.80		9.32	9.05	90.0	8.80	9.32	
<b>Jackson, Grace (JAM) (1961)</b>	time		11.44		22.18	22.20	8 / 5			
reaction time	0.243 interval				10.74	<b>PB</b>	# of strides	11.44	10.74	0.70
	velocity		8.74		9.31	9.01		8.74	9.31	
<b>Givens, Randy (USA) (1962)</b>	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	
<b>Bacoul, Rose-Aimée (FRA) (1957)</b>	time		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	
<b>Gaschet, Liliane (FRA) (1962)</b>	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 *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Koch, Marita (GDR) (1957)</b>	time		11.06		21.71	21.71	/ 1			
reaction time	interval				10.65	<b>WR</b>	# of strides	11.06	10.65	0.41
	velocity		9.04		9.39	9.21		9.04	9.39	
<b>Wöckel, Bärbel (GDR) (1955)</b>	time		11.27		21.85	21.85	/ 2			
reaction time	interval				10.58	<b>PB</b>	# 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 *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Göhr, Marlies (GDR) (1958)</b>	time		11.18		21.74	21.74	/ 1			
reaction time	interval				10.56	<b>PB</b>	# 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		<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>			
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Koch, Marita (GDR) (1957)</b>	time			11.28	16.53	22.13	22.13	6 / 1			
	reaction time	0.225	interval		5.25	5.60	<b>CR</b>	# of strides	11.28	10.85	0.43
			velocity	8.87	9.52	8.93	9.04	99.0	8.87	9.22	
<b>Ottey, Merlene (JAM) (1960)</b>	time			11.42	16.64	22.19	22.19	7 / 2			
	reaction time	0.165	interval		5.22	5.55		# of strides	11.42	10.77	0.65
			velocity	8.76	9.58	9.01	9.01	93.5	8.76	9.29	
<b>Smallwood-Cook, Kathy (GBR)</b>	time			11.55	16.78	22.37	22.37	3 / 3			
	reaction time	0.213	interval		5.23	5.59		# of strides	11.55	10.82	0.73
			velocity	8.66	9.56	8.94	8.94	91.0	8.66	9.24	
<b>Griffith, Florence (USA) (1959)</b>	time			11.56	16.80	22.46	22.46	1 / 4			
	reaction time	0.161	interval		5.24	5.66		# of strides	11.56	10.90	0.66
			velocity	8.65	9.54	8.83	8.90	97.5	8.65	9.17	
<b>Jackson, Grace (JAM) (1961)</b>	time			11.67	16.97	22.63	22.63	8 / 5			
	reaction time	0.164	interval		5.30	5.66	<b>PB</b>	# of strides	11.67	10.96	0.71
			velocity	8.57	9.43	8.83	8.84	85.2	8.57	9.12	
<b>Nuneva, Anelia (BUL) (1962)</b>	time			11.58	16.94	22.68	22.68	5 / 6			
	reaction time	0.201	interval		5.36	5.74	<b>PB</b>	# of strides	11.58	11.10	0.48
			velocity	8.64	9.33	8.71	8.82	100.5	8.64	9.01	
<b>Bailey, Angela (CAN) (1962)</b>	time			11.66	17.09	22.93	22.93	2 / 7			
	reaction time	0.237	interval		5.43	5.84		# of strides	11.66	11.27	0.39
			velocity	8.58	9.21	8.56	8.72	102.5	8.58	8.87	
<b>Kasprzyk, Ewa (POL) (1957)</b>	time			11.71	17.14	23.03	23.03	4 / 8			
	reaction time	0.202	interval		5.43	5.89		# of strides	11.71	11.32	0.39
			velocity	8.54	9.21	8.49	8.68	107.2	8.54	8.83	

**1982 European Championships (Athens, GRE)****FINAL**

		date	09-Sep-82		wind	0.9 m/s		<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen</i>			
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wöckel, Bärbel (GDR) (1955)</b>			no information available				22.04	/ 1			
<b>Smallwood, Kathy (GBR) (1960)</b>	time			11.44		22.13	22.13	/ 2			
	reaction time		interval			10.69	<b>NUR</b>	# of strides	11.44	10.69	0.75
			velocity	8.74		9.35	9.04		8.74	9.35	

**1982 GDR vs. USA (Karl-Marx-Stadt, GDR)****FINAL**

		date	09-Sep-82		wind	0.9 m/s		<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen</i>			
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>???</b>			no information available				<b>???</b>	/ 1			
<b>Walther, Gesine (GDR) (1962)</b>	time			11.27		22.24	22.24	/ 2			
	reaction time		interval			10.97	<b>PB</b>	# of strides	11.27	10.97	0.30
			velocity	8.87		9.12	8.99		8.87	9.12	

**1981 IAAF World Cup (Rome, ITA)****FINAL**

		date	04-Sep-81		wind	0.7 m/s		<i>Veney - 200m women from PJ</i>			
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ashford, Evelyn (USA) (1957)</b>	time			11.10		22.18	22.18	/ 1			
	reaction time		interval			11.08		# of strides	11.10	11.08	0.02
			velocity	9.01		9.03	9.02		9.01	9.03	
<b>Kratochvilova, Jarmila (TCH) (1951)</b>			no information available				22.93	/ 2			
<b>Wöckel, Bärbel (GDR) (1955)</b>			no information available				23.03	/ 3			
<b>Taylor, Angella (CAN) (1958)</b>			no information available				22.93	/ 4			
<b>Bochina, Natalya (URS) (1962)</b>			no information available				23.03	/ 5			
<b>Masullo, Marisa (ITA) (1959)</b>			no information available				22.93	/ 6			

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

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					Venyev - 200m women from PJ			
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Eckert-Wöckel, Bärbel (GDR) (1 time)</b>	time	11.46	16.59	22.03	22.03		1 / 1			
reaction time	0.140 interval			5.13	5.44	<b>OR</b>	# of strides	11.46	10.57	0.89
	velocity	8.73	9.75	9.19	9.08		101.5	8.73	9.46	
<b>Bochina, Natalya (URS) (1962)</b>	time	11.43	16.70	22.19	22.19		6 / 2			
reaction time	0.166 interval			5.27	5.49	<b>AJR</b>	# of strides	11.43	10.76	0.67
	velocity	8.75	9.49	9.11	9.01		95.2	8.75	9.29	
<b>Ottey, Merlene (JAM) (1960)</b>	time	11.51	16.71	22.20	22.20		3 / 3			
reaction time	0.157 interval			5.20	5.49	<b>PB</b>	# of strides	11.51	10.69	0.82
	velocity	8.69	9.62	9.11	9.01		89.7	8.69	9.35	
<b>Müller, Romy (GDR) (1958)</b>	time	11.59	16.90	22.47	22.47		8 / 4			
reaction time	0.128 interval			5.31	5.57	<b>PB</b>	# of strides	11.59	10.88	0.71
	velocity	8.63	9.42	8.98	8.90			8.63	9.19	
<b>Smallwood, Kathy (GBR) (1960)</b>	time	11.79	17.06	22.61	22.61		7 / 5			
reaction time	0.176 interval			5.27	5.55		# of strides	11.79	10.82	0.97
	velocity	8.48	9.49	9.01	8.85			8.48	9.24	
<b>Callender, Beverley (GBR) (1956)</b>	time	11.82	17.08	22.72	22.72		5 / 6			
reaction time	0.171 interval			5.26	5.64	<b>PB</b>	# of strides	11.82	10.90	0.92
	velocity	8.46	9.51	8.87	8.80			8.46	9.17	
<b>Boyd, Denise (AUS) (1952)</b>	time	11.66	17.05	22.76	22.76		4 / 7			
reaction time	0.144 interval			5.39	5.71		# of strides	11.66	11.10	0.56
	velocity	8.58	9.28	8.76	8.79			8.58	9.01	
<b>Lannaman, Sonia (GBR) (1956)</b>	time	11.81	17.16	22.80	22.80		2 / 8			
reaction time	0.154 interval			5.35	5.64		# of strides	11.81	10.99	0.82
	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
<b>Ashford, Evelyn (USA) (1957)</b>		no information available				21.83	/ 1			
<b>Koch, Marita (GDR) (1957)</b>		no information available				23.23	/ 2			
<b>Kondratyeva, Lyudmila (URS) (1 time)</b>	time	11.56	16.88	22.66	22.66		/ 3			
reaction time	interval			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	
<b>Richter, Annegret (FRG) (1950)</b>		no information available				22.78	/ 4			
<b>Taylor, Angella (CAN) (1958)</b>		no information available				22.83	/ 5			
<b>Afriyie, Hannah (GHA) (1951)</b>		no information available				23.61	/ 6			
<b>Robertson, Kim (NZL) (1957)</b>		no information available				23.78	/ 7			
<b>Kalhara, Sumiko (JPN)</b>		no information available				24.60	/ 8			

**1979 East German Club Cup (Karl-Marx-Stadt, GDR)****FINAL**

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
<b>Koch, Marita (GDR) (1957)</b>	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**

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

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

<b>Kondratyeva, Lyudmila (URS)</b> (	0.154		<b>CR / NR</b>	22.52	7 / 1		# of strides	101.7	
<b>Göhr, Marlies (GDR) (1958)</b>	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
<b>Bodendorf, Carla (GDR) (1953)</b>			no information available	22.64	5 / 3		# of strides	105.5	
<b>Hamann, Monika (GDR) (1954)</b>			no information available	22.76	4 / 4		# of strides	104.0	
<b>Rega, Chantal (FRA) (1955)</b>			no information available	22.77	8 / 5		# of strides	102.5	
<b>Maslakova, Ludmilla (URS) (1952)</b>			no information available	22.89	6 / 6		# of strides	96.7	
<b>Haglund, Linda (SWE) (1956)</b>			no information available	23.07	2 / 7		# of strides	98.7	
<b>Ivanova, Liliyana (BUL) (1956)</b>			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
<b>Eckert-Wöckel, Bärbel (GDR) (1952)</b>	time	11.32	16.82	22.37	22.37	22.37	2 / 1			Breizer (1984)
	reaction time		interval	5.50	5.55	<b>OR</b>	# of strides	11.32	11.05	0.27
			velocity	8.83	9.09	9.01	8.94	8.83	9.05	
<b>Richter, Annegret (FRG) (1956)</b>	time	11.2		22.4	22.39	22.39	5 / 2			Butler (2016)
	reaction time		interval		11.20		# of strides	11.20	11.20	0.00
			velocity	8.93	8.93	8.93	8.93	8.93	8.93	
<b>Stecher, Renate (GDR) (1950)</b>	time	11.37	17.01	22.47	22.47	22.47	8 / 3			Breizer (1984)
	reaction time		interval	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	
<b>Bodendorf, Carla (GDR) (1953)</b>	time	11.39	16.90	22.64	22.64	22.64	4 / 4			Breizer (1984)
	reaction time		interval	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	
<b>Helten, Inge (FRG) (1950)</b>	time	11.45	17.02	22.68	22.68	22.68	7 / 5			Breizer (1984)
	reaction time		interval	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	
<b>Prorochenko, Tatyana (URS) (1952)</b>	time	11.5		23.0	23.03	23.03	1 / 6			Butler (2016)
	reaction time		interval		11.50		# of strides	11.50	11.50	0.00
			velocity	8.70	8.70	8.68		8.70	8.70	
<b>Robertson, Denise (AUS) (1952)</b>	time	11.5		23.1	23.05	23.05	3 / 7			Butler (2016)
	reaction time		interval		11.60		# of strides	11.50	11.60	-0.10
			velocity	8.70	8.62	8.68		8.70	8.62	
<b>Rega, Chantal (FRA) (1952)</b>	time	11.5		23.1	23.09	23.09	6 / 8			Butler (2016)
	reaction time		interval		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
<b>Eckert-Wöckel, Bärbel (GDR) (1952)</b>	time	11.52		22.71	22.71	22.71	5 / 1			Lamare (1976)
	reaction time		interval		11.19		# of strides	11.52	11.19	0.33
			velocity	8.68	8.94	8.81		8.68	8.94	
<b>Robertson, Denise (AUS) (1952)</b>	time	11.43	17.13	22.91	22.91	22.91	7 / 3			Breizer (1984)
	reaction time		interval	5.70	5.78	<b>PB</b>	# of strides	11.43	11.48	-0.05
			velocity	8.75	8.77	8.65	8.73	8.75	8.71	
<b>Réga, Chantal (FRA) (1955)</b>	time	11.60	17.21	23.00	23.00	23.00	5 / 4			Breizer (1984)
	reaction time		interval	5.61	5.79	<b>PB</b>	# 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
<b>Stecher, Renate (GDR) (1950)</b>	time	11.50		22.68	22.68	22.68	1 / 1			



reaction time	interval		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
<b>Morehead, Brenda (USA) (1957)</b>	time		11.4		22.5	22.49	/ 1			
	reaction time				11.1		# of strides	11.40	11.10	0.30
	velocity		8.77		9.01	8.89		8.77	9.01	
<b>Cheeseborough, Chandra (USA)</b>	time		11.5		22.6	22.64	/ 2			
	reaction time				11.1		# of strides	11.50	11.10	0.40
	velocity		8.70		9.01	8.83		8.70	9.01	
<b>Edwards, Debra (USA) (1954)</b>	time		11.8		22.8	22.74	/ 3			
	reaction time				11.0		# of strides	11.80	11.00	0.80
	velocity		8.47		9.09	8.80		8.47	9.09	
<b>Jiles, Pam (USA) (1955)</b>			no information available			23.16	/ 4			
<b>Greene, Pam (USA)</b>			no information available			23.33	/ 5			
<b>Hancock, Freida (USA)</b>			no information available			23.44	/ 6			
<b>Cordy, Linda (USA)</b>			no information available			23.51	/ 7			
<b>Day, Beverly (USA)</b>			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
<b>Stecher, Renate (GDR) (1950)</b>	time	11.32	16.86	22.38	22.38	22.38				
	reaction time			5.54	5.52	<b>WR</b>	# 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

*Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Stecher, Renate (GDR) (1950)</b>	time	11.28	16.54	22.40	22.40	22.40	6 / 1			
	reaction time			5.26	5.86	<b>=WR</b>	# of strides	11.28	11.12	0.16
	velocity	8.87	9.51	8.53	8.93		105.0	8.87	8.99	
<b>Boyle, Raelene (AUS) (1951)</b>	time	11.48	16.72	22.45	22.45	22.45	4 / 2			
	reaction time			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	
<b>Szewinska, Irena (POL) (1946)</b>	time	11.66	17.02	22.74	22.74	22.74	5 / 3			
	reaction time			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	
<b>Streidt, Ellen (GDR) (1952)</b>	time	11.64	17.04	22.75	22.75	22.75	3 / 4			
	reaction time			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	
<b>Heinich, Christina (GDR) (1952)</b>	time	11.73	17.08	22.89	22.89	22.89	7 / 5			
	reaction time			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	
<b>Kroniger, Annegret (FRG) (1952)</b>	time	11.67	17.10	22.89	22.89	22.89	1 / 5			
	reaction time			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	
<b>Annum, Alice (GHA) (1948)</b>	time	11.54	17.00	22.99	22.99	22.99	8 / 7			
	reaction time			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	
<b>Allwood, Rose (JAM) (1952)</b>	time	11.61	17.14	23.11	23.11	23.11	2 / 8			
	reaction time			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	

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

**1969 European Championships (Athens, GRE)****Heat 2**

date 18-Sep-69 wind -2.0 m/s

(1964) - einschätzung der einzelnen leichtathletischen disziplinen

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Samotyosova, Lyudmila (URS)</b> (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
<b>Szewinska, Irena (POL)</b> (1946)	no information available			<b>WR</b>	22.5	7 / 1	(22.58)	# of strides	99.5
<b>Boyle, Raelene (AUS)</b> (1951)	no information available				22.7	6 / 2	(22.74)	# of strides	103.5
<b>Lamy, Jennifer (AUS)</b> (1949)	no information available				22.8	5 / 3	(22.88)	# of strides	100.0
<b>Ferrell, Barbara (USA)</b> (1947)	no information available				22.9	1 / 4	(22.93)		
<b>Montandon, Nicole (FRA)</b> (1948)	no information available				23.0	4 / 5	(23.08)		
<b>Tyus, Wyomia (USA)</b> (1945)	no information available				23.0	3 / 6	(23.08)		
<b>Bailes, Margaret (USA)</b> (1951)	no information available				23.1	2 / 7	(23.18)		
<b>Stöck, Jutta (FRG)</b> (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
<b>McGuire, Edith (USA)</b> (1944)	no information available			<b>OR</b>	23.0	2 / 1	(23.05)		
<b>Kirszenstein, Irena (POL)</b> (1946)	no information available				23.1	4 / 2	(23.13)		
<b>Black, Marilyn (AUS)</b> (1944)	no information available				23.1	8 / 3	(23.18)		
<b>Morris, Una (JAM)</b> (1947)	no information available				23.5	1 / 4	(23.58)		
<b>Samotyosova, Lyudmila (URS)</b> (1939)	no information available				23.5	6 / 5	(23.59)		
<b>Sobotta, Barbara (POL)</b> (1936)	no information available				23.9	3 / 6	(23.97)		
<b>Simpson, Janet (GBR)</b> (1944)	no information available				23.9	5 / 7	(23.98)		
<b>Arden, Daphne (GBR)</b> (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
<b>Popkova, Vera (URS)</b> (1943)		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
<b>Rudolph, Wilma (USA)</b> (1940)	no information available				24.0	1 / 1	(24.13)	# of strides	95.2
<b>Heine, Jutta (EUA/FRG)</b> (1940)	no information available				24.4	5 / 2	(24.58)		
<b>Hyman, Dorothy (GBR)</b> (1941)	no information available				24.7	4 / 3	(24.82)		
<b>Itkina, Mariya (URS)</b> (1932)	no information available				24.7	3 / 4	(24.85)		
<b>Janiszewska, Barbara (POL)</b> (1936)	no information available				24.8	6 / 5	(24.96)		
<b>Leone, Guiseppina (ITA)</b> (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
<b>Cuthbert, Betty (AUS)</b> (1938)	no information available			<b>=OR</b>	23.4	5 / 1	(23.55)	# of strides	98.2
<b>Stubnick, Christa (EUA/GDR)</b> (1933)	no information available				23.7	6 / 2	(23.89)	# of strides	103.0
<b>Mathews, Marlene (AUS)</b> (1934)	no information available				23.8	1 / 3	(24.10)	# of strides	105.0
<b>Crocker, Norma (AUS)</b> (1934)	no information available				24.0	4 / 4	(24.22)	# of strides	97.0
<b>Paul, June (GBR)</b> (1934)	no information available				24.3	2 / 5	(24.30)	# of strides	104.0
<b>Köhler, Gisela (GDR)</b> (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
<b>Jackson, Marjorie (AUS)</b> (1931)	no information available				23.7	2 / 1	(23.89)		
<b>Brouwer, Bertha (NED)</b> (1930)	no information available				24.2	3 / 2	(24.25)		

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

<b>Khnykina, Nadezhda (URS) (1933)</b>	no information available	24.2	6 / 3	(24.37)
<b>Cripps, Winsome (AUS) (1931)</b>	no information available	24.2	5 / 4	(24.40)
<b>Klein, Helga (FRG) (1931)</b>	no information available	24.6	7 / 5	(24.72)
<b>Hasenjager, Daphne (RSA) (1929)</b>	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
<b>Blankers-Koen, Fanny (NED) (1918)</b>	no information available				24.4	2 / 1		# of strides	98.5
<b>Williamson, Audrey (GBR) (1926)</b>	no information available				25.1	5 / 2			
<b>Patterson, Audrey (USA) (1926)</b>	no information available				25.2	6 / 3			
<b>Strickland, Shirley (AUS) (1925)</b>	no information available				25.2e	3 / 4			
<b>Walker, Margaret (GBR) (1925)</b>	no information available				25.4e	4 / 5			
<b>Robb, Daphne (RSA) (1929)</b>	no information available				25.5e	7 / 6			



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