Women's 100m Split Times - by athletics meeting

LAST UPDATE: 29-Sep-23

2023 Prefontaine Classic (Eugene, OR)

Para FINAL

date 17-Sep-23 wind 0.7 m/s

Omega Timing (2023) - diamond league race analysis

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jong, Fleur (NED) (1995) (T62)	time	2.51	3.85	5.03	6.15	7.24	8.31	9.38	10.46	11.54	12.67	12.67	5 / 1			
reaction time 0.172	interval		1.34	1.18	1.12	1.09	1.07	1.07	1.08	1.08	1.13		# of strides	5.03	3.28	3.23
	velocity	3.98	7.46	8.47	8.93	9.17	9.35	9.35	9.26	9.26	8.85	7.89	52.0	5.96	9.15	9.29
van Gansewinkel, Marlene (NED)	time	2.39	3.70	4.87	6.00	7.10	8.18	9.28	10.38	11.50	12.68	12.68	2 / 2			
reaction time 0.190	interval		1.31	1.17	1.13	1.10	1.08	1.10	1.10	1.12	1.18		# of strides	4.87	3.31	3.32
	velocity	4.18	7.63	8.55	8.85	9.09	9.26	9.09	9.09	8.93	8.47	7.89	51.0	6.16	9.06	9.04
Hendriks, Kiki (NED) (2000) (T62)	time	2.49	3.87	5.10	6.27	7.41	8.53	9.65	10.78	11.92	13.10	13.10	6 / 3			
reaction time 0.134	interval		1.38	1.23	1.17	1.14	1.12	1.12	1.13	1.14	1.18		# of strides	5.10	3.43	3.39
	velocity	4.02	7.25	8.13	8.55	8.77	8.93	8.93	8.85	8.77	8.47	7.63	51.7	5.88	8.75	8.85
Swanson, Taylor (USA) (1992) (T	time	2.35	3.63	4.80	5.94	7.09	8.24	9.42	10.63	11.87	13.15	13.15	8 / 4			
reaction time 0.236	interval		1.28	1.17	1.14	1.15	1.15	1.18	1.21	1.24	1.28		# of strides	4.80	3.44	3.63
	velocity	4.26	7.81	8.55	8.77	8.70	8.70	8.47	8.26	8.06	7.81	7.60	57.0	6.25	8.72	8.26
Papaconstantinou, Marissa (CAN	time	2.45	3.79	5.02	6.20	7.37	8.53	9.72	10.91	12.14	13.42	13.42	4 / 5			
reaction time 0.236	interval		1.34	1.23	1.18	1.17	1.16	1.19	1.19	1.23	1.28		# of strides	5.02	3.51	3.61
	velocity	4.08	7.46	8.13	8.47	8.55	8.62	8.40	8.40	8.13	7.81	7.45	55.2	5.98	8.55	8.31
Hatz, Beatriz (USA) (2000) (T64)	time	2.53	3.88	5.12	6.32	7.51	8.69	9.90	11.13	12.36	13.65	13.65	3 / 6			
reaction time 0.257	interval		1.35	1.24	1.20	1.19	1.18	1.21	1.23	1.23	1.29		# of strides	5.12	3.57	3.67
	velocity	3.95	7.41	8.06	8.33	8.40	8.47	8.26	8.13	8.13	7.75	7.33	53.2	5.86	8.40	8.17
Barta, Sydney (USA) (2004) (T64)	time	2.64	4.04	5.33	6.57	7.79	9.02	10.25	11.52	12.79	14.10	14.10	1 / 7			
reaction time 0.305	interval		1.40	1.29	1.24	1.22	1.23	1.23	1.27	1.27	1.31		# of strides	5.33	3.69	3.77
	velocity	3.79	7.14	7.75	8.06	8.20	8.13	8.13	7.87	7.87	7.63	7.09	56.0	5.63	8.13	7.96
Carey, Annie (USA) (2004) (T44)	time	2.51	3.90	5.20	6.48	7.76	9.06	10.37	11.70	13.09	14.53	14.53	7 / 8			
reaction time 0.262	interval		1.39	1.30	1.28	1.28	1.30	1.31	1.33	1.39	1.44		# of strides	5.20	3.86	4.03
	velocity	3.98	7.19	7.69	7.81	7.81	7.69	7.63	7.52	7.19	6.94	6.88		5.77	7.77	7.44

FINAL

date 16-Sep-23 wind 0.8 m/s

Omega Timing (2023) - diamond league race analysis

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jackson, Shericka (JAM) (1994)	time	2.04	3.14	4.14	5.09	6.02	6.93	7.85	8.78	9.72	10.70	10.70	6 / 1			
reaction time 0.190	interval		1.10	1.00	0.95	0.93	0.91	0.92	0.93	0.94	0.98		# of strides	4.14	2.79	2.79
	velocity	4.90	9.09	10.00	10.53	10.75	10.99	10.87	10.75	10.64	10.20	9.35	47.0	7.25	10.75	10.75
Ta Lou, Marie-Josée (CIV) (1988)	time	2.01	3.12	4.12	5.08	6.03	6.96	7.90	8.84	9.77	10.75	10.75	4 / 2			
reaction time 0.167	interval		1.11	1.00	0.96	0.95	0.93	0.94	0.94	0.93	0.98		# of strides	4.12	2.84	2.81
	velocity	4.98	9.01	10.00	10.42	10.53	10.75	10.64	10.64	10.75	10.20	9.30	49.5	7.28	10.56	10.68
Thompson-Herah, Elaine (JAM) (	time	2.02	3.14	4.14	5.10	6.04	6.97	7.91	8.86	9.81	10.79	10.79	3 / 3			
reaction time 0.159	interval		1.12	1.00	0.96	0.94	0.93	0.94	0.95	0.95	0.98		# of strides	4.14	2.83	2.84
	velocity	4.95	8.93	10.00	10.42	10.64	10.75	10.64	10.53	10.53	10.20	9.27	50.0	7.25	10.60	10.56
Richardson, Sha'Carri (USA) (20(	time	2.07	3.20	4.21	5.17	6.11	7.04	7.97	8.90	9.85	10.80	10.80	5 / 4			
reaction time 0.146	interval		1.13	1.01	0.96	0.94	0.93	0.93	0.93	0.95	0.95		# of strides	4.21	2.83	2.81
	velocity	4.83	8.85	9.90	10.42	10.64	10.75	10.75	10.75	10.53	10.53	9.26	50.5	7.13	10.60	10.68
Terry, Twanisha (USA) (1999)	time	2.02	3.14	4.15	5.11	6.06	6.99	7.94	8.89	9.85	10.83	10.83	2 / 5			
reaction time 0.134	interval		1.12	1.01	0.96	0.95	0.93	0.95	0.95	0.96	0.98		# of strides	4.15	2.84	2.86
	velocity	4.95	8.93	9.90	10.42	10.53	10.75	10.53	10.53	10.42	10.20	9.23	51.7	7.23	10.56	10.49
Morrison, Natasha (JAM) (1992)	time	2.00	3.10	4.12	5.09	6.03	6.98	7.93	8.88	9.85	10.85	10.85	8 / 6			
reaction time 0.140	interval		1.10	1.02	0.97	0.94	0.95	0.95	0.95	0.97	1.00	PB	# of strides	4.12	2.86	2.87
	velocity	5.00	9.09	9.80	10.31	10.64	10.53	10.53	10.53	10.31	10.00	9.22	48.0	7.28	10.49	10.45
Asher-Smith, Dina (GBR) (1995)	time	1.98	3.10	4.12	5.10	6.07	7.03	8.00	8.97	9.95	10.96	10.96	7 / 7			
reaction time 0.139	interval		1.12	1.02	0.98	0.97	0.96	0.97	0.97	0.98	1.01		# of strides	4.12	2.91	2.92
	velocity	5.05	8.93	9.80	10.20	10.31	10.42	10.31	10.31	10.20	9.90	9.12	49.0	7.28	10.31	10.27
Lansiquot, Imani (GBR) (1997)	time	2.07	3.21	4.24	5.22	6.17	7.12	8.08	9.04	10.01	11.01	11.01	9 / 8			
reaction time 0.165	interval		1.14	1.03	0.98	0.95	0.95	0.96	0.96	0.97	1.00		# of strides	4.24	2.88	2.89
	velocity	4.83	8.77	9.71	10.20	10.53	10.53	10.42	10.42	10.31	10.00	9.08	47.0	7.08	10.42	10.38
Hobbs, Zoe (NZL) (1997)	time	2.03	3.18	4.22	5.21	6.19	7.17	8.15	9.14	10.15	11.18	11.18	1 / 9			
reaction time 0.151	interval		1.15	1.04	0.99	0.98	0.98	0.98	0.99	1.01	1.03		# of strides	4.22	2.95	2.98
	velocity	4.93	8.70	9.62	10.10	10.20	10.20	10.20	10.10	9.90	9.71	8.94	50.0	7.11	10.17	10.07

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

2023 Memorial van Damme (Brussels, BEL)

FINAL

date 08-Sep-23 wind 0.0 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time	2.01	3.13	4.13	5.09	6.04	6.98	7.93	8.88	9.85	10.84	10.84	5 / 1			
reaction time 0.186	interval		1.12	1.00	0.96	0.95	0.94	0.95	0.95	0.97	0.99		# of strides	4.13	2.85	2.87
	velocity	4.98	8.93	10.00	10.42	10.53	10.64	10.53	10.53	10.31	10.10	9.23	50.0	7.26	10.53	10.45
Morrison, Natasha (JAM) (1992)	time	2.03	3.15	4.16	5.13	6.09	7.05	8.00	8.96	9.94	10.95	10.95	2 / 2			
reaction time 0.175	interval		1.12	1.01	0.97	0.96	0.96	0.95	0.96	0.98	1.01		# of strides	4.16	2.89	2.89
	velocity	4.93	8.93	9.90	10.31	10.42	10.42	10.53	10.42	10.20	9.90	9.13	48.5	7.21	10.38	10.38
Asher-Smith, Dina (GBR) (1995)	time	1.98	3.10	4.12	5.11	6.07	7.04	8.00	8.98	9.96	10.97	10.97	4 / 3			
reaction time 0.140	interval		1.12	1.02	0.99	0.96	0.97	0.96	0.98	0.98	1.01		# of strides	4.12	2.92	2.92
	velocity	5.05	8.93	9.80	10.10	10.42	10.31	10.42	10.20	10.20	9.90	9.12	49.2	7.28	10.27	10.27
Hobbs, Zoe (NZL) (1997)	time	2.02	3.14	4.17	5.16	6.13	7.10	8.09	9.08	10.10	11.14	11.14	6 / 4			
reaction time 0.149	interval		1.12	1.03	0.99	0.97	0.97	0.99	0.99	1.02	1.04		# of strides	4.17	2.93	3.00
	velocity	4.95	8.93	9.71	10.10	10.31	10.31	10.10	10.10	9.80	9.62	8.98	50.5	7.19	10.24	10.00
Forbes, Shashalee (JAM) (1996)	time	2.02	3.18	4.22	5.23	6.21	7.18	8.16	9.15	10.15	11.17	11.17	3 / 5			
reaction time 0.140	interval		1.16	1.04	1.01	0.98	0.97	0.98	0.99	1.00	1.02		# of strides	4.22	2.96	2.97
	velocity	4.95	8.62	9.62	9.90	10.20	10.31	10.20	10.10	10.00	9.80	8.95	50.7	7.11	10.14	10.10
Bass, Gina (GAM) (1995)	time	2.00	3.13	4.16	5.16	6.13	7.11	8.10	9.10	10.13	11.18	11.18	8 / 6			
reaction time 0.139	interval		1.13	1.03	1.00	0.97	0.98	0.99	1.00	1.03	1.05		# of strides	4.16	2.95	3.02
	velocity	5.00	8.85	9.71	10.00	10.31	10.20	10.10	10.00	9.71	9.52	8.94	52.0	7.21	10.17	9.93
Rosius, Rani (BEL) (2000)	time	2.10	3.23	4.26	5.26	6.25	7.24	8.24	9.24	10.27	11.31	11.31	7 / 7			
reaction time 0.181	interval		1.13	1.03	1.00	0.99	0.99	1.00	1.00	1.03	1.04		# of strides	4.26	2.98	3.03
	velocity	4.76	8.85	9.71	10.00	10.10	10.10	10.00	10.00	9.71	9.62	8.84	49.0	7.04	10.07	9.90

U18 FINAL

date 08-Sep-23 wind 0.4 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kudura, Djemine (BEL) (2007)	time	2.04	3.23	4.31	5.37	6.42	7.48	8.55	9.64	10.76	11.92	11.92	4 / 1			
reaction time 0.138	interval		1.19	1.08	1.06	1.05	1.06	1.07	1.09	1.12	1.16		# of strides	4.31	3.17	3.28
	velocity	4.90	8.40	9.26	9.43	9.52	9.43	9.35	9.17	8.93	8.62	8.39		6.96	9.46	9.15
Sonneville, Camille (BEL) (2006)	time	2.09	3.30	4.40	5.46	6.52	7.57	8.65	9.74	10.85	11.99	11.99	3 / 2			
reaction time 0.144	interval		1.21	1.10	1.06	1.06	1.05	1.08	1.09	1.11	1.14		# of strides	4.40	3.17	3.28
	velocity	4.78	8.26	9.09	9.43	9.43	9.52	9.26	9.17	9.01	8.77	8.34		6.82	9.46	9.15
Foesters, Lore (BEL) (2007)	time	2.06	3.26	4.36	5.43	6.50	7.57	8.67	9.78	10.92	12.10	12.10	2 / 3			
reaction time 0.149	interval		1.20	1.10	1.07	1.07	1.07	1.10	1.11	1.14	1.18	PB	# of strides	4.36	3.21	3.35
	velocity	4.85	8.33	9.09	9.35	9.35	9.35	9.09	9.01	8.77	8.47	8.26		6.88	9.35	8.96
de Raedt, Jana (BEL) (2007)	time	2.19	3.41	4.50	5.58	6.64	7.70	8.78	9.87	10.97	12.11	12.11	6 / 4			
reaction time 0.188	interval		1.22	1.09	1.08	1.06	1.06	1.08	1.09	1.10	1.14		# of strides	4.50	3.20	3.27
	velocity	4.57	8.20	9.17	9.26	9.43	9.43	9.26	9.17	9.09	8.77	8.26		6.67	9.38	9.17
Impens, Ine (BEL) (2007)	time	2.13	3.34	4.46	5.55	6.63	7.71	8.81	9.92	11.06	12.23	12.23	8 / 5			
reaction time 0.129	interval		1.21	1.12	1.09	1.08	1.08	1.10	1.11	1.14	1.17	PB	# of strides	4.46	3.25	3.35
	velocity	4.69	8.26	8.93	9.17	9.26	9.26	9.09	9.01	8.77	8.55	8.18		6.73	9.23	8.96
Petroci-Coninx, Lauren (BEL) (2(	time	2.20	3.43	4.54	5.61	6.68	7.76	8.86	9.97	11.10	12.27	12.27	5 / 6			
reaction time 0.170	interval		1.23	1.11	1.07	1.07	1.08	1.10	1.11	1.13	1.17		# of strides	4.54	3.22	3.34
	velocity	4.55	8.13	9.01	9.35	9.35	9.26	9.09	9.01	8.85	8.55	8.15		6.61	9.32	8.98
Philippe, Chloe (BEL) (2006)	time	2.19	3.44	4.58	5.68	6.77	7.86	8.96	10.07	11.20	12.36	12.36	1 / 7			
reaction time 0.160	interval		1.25	1.14	1.10	1.09	1.09	1.10	1.11	1.13	1.16		# of strides	4.58	3.28	3.34
	velocity	4.57	8.00	8.77	9.09	9.17	9.17	9.09	9.01	8.85	8.62	8.09		6.55	9.15	8.98
Laurent, Anyssa (BEL) (2006)	time	2.21	3.45	4.58	5.67	6.77	7.86	8.97	10.10	11.26	12.52	12.52	7 / 8			
reaction time 0.175	interval		1.24	1.13	1.09	1.10	1.09	1.11	1.13	1.16	1.26		# of strides	4.58	3.28	3.40
	velocity	4.52	8.06	8.85	9.17	9.09	9.17	9.01	8.85	8.62	7.94	7.99		6.55	9.15	8.82

2023 Xiamen Diamond League (Xiamen, CHN)

National FINAL

date 02-Sep-23 wind 0.4 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ge Manqi (CHN) (1997)	0.146	no information available										11.33	6 / 1		# of strides	51.0
Yuan Qiqi (CHN) (1995)	time	2.07	3.22	4.28	5.28	6.27	7.26	8.26	9.27	10.29	11.34	11.34	4 / 2			
reaction time 0.173	interval		1.15	1.06	1.00	0.99	0.99	1.00	1.01	1.02	1.05		# of strides	4.28	2.98	3.03
	velocity	4.83	8.70	9.43	10.00	10.10	10.10	10.00	9.90	9.80	9.52	8.82	57.5	7.01	10.07	9.90
Liang Xiaojing (CHN) (1997)	time	2.01	3.15	4.20	5.20	6.20	7.20	8.22	9.27	10.33	11.44	11.44	5 / 3			

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

reaction time 0.160	interval		1.14	1.05	1.00	1.00	1.00	1.02	1.05	1.06	1.11		# of strides	4.20	3.00	3.13
	velocity	4.98	8.77	9.52	10.00	10.00	10.00	9.80	9.52	9.43	9.01	8.74	55.0	7.14	10.00	9.58
Li Yuting (CHN) (2002)	time	2.12	3.29	4.34	5.37	6.37	7.38	8.40	9.42	10.47	11.55	11.55	7 / 4			
reaction time 0.172	interval		1.17	1.05	1.03	1.00	1.01	1.02	1.02	1.05	1.08		# of strides	4.34	3.04	3.09
	velocity	4.72	8.55	9.52	9.71	10.00	9.90	9.80	9.80	9.52	9.26	8.66	48.0	6.91	9.87	9.71
Huang Guifen (CHN) (1997)	time	2.05	3.22	4.29	5.32	6.34	7.36	8.38	9.42	10.48	11.57	11.57	3 / 5			
reaction time 0.147	interval		1.17	1.07	1.03	1.02	1.02	1.02	1.04	1.06	1.09		# of strides	4.29	3.07	3.12
	velocity	4.88	8.55	9.35	9.71	9.80	9.80	9.80	9.62	9.43	9.17	8.64	49.5	6.99	9.77	9.62
Liu Guoyi (CHN) (2004)	time	2.12	3.32	4.39	5.42	6.45	7.49	8.52	9.58	10.65	11.75	11.75	8 / 6			
reaction time 0.200	interval		1.20	1.07	1.03	1.03	1.04	1.03	1.06	1.07	1.10		# of strides	4.39	3.10	3.16
	velocity	4.72	8.33	9.35	9.71	9.71	9.62	9.71	9.43	9.35	9.09	8.51	51.0	6.83	9.68	9.49
Huang Lin (CHN) (1999)	time	2.15	3.34	4.42	5.45	6.50	7.53	8.58	9.65	10.75	11.91	11.91	2 / 7			
reaction time 0.170	interval		1.19	1.08	1.03	1.05	1.03	1.05	1.07	1.10	1.16		# of strides	4.42	3.11	3.22
	velocity	4.65	8.40	9.26	9.71	9.52	9.71	9.52	9.35	9.09	8.62	8.40	53.0	6.79	9.65	9.32

2023 Weltklasse (Zürich, SUI)

FINAL

date 31-Aug-23 wind -0.2 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Richardson, Sha'Carri (USA) (20(	time	2.05	3.18	4.19	5.16	6.11	7.05	8.00	8.95	9.91	10.88	10.88	4 / 1			
reaction time 0.166	interval		1.13	1.01	0.97	0.95	0.94	0.95	0.95	0.96	0.97		# of strides	4.19	2.86	2.86
	velocity	4.88	8.85	9.90	10.31	10.53	10.64	10.53	10.53	10.42	10.31	9.19	51.7	7.16	10.49	10.49
Morrison, Natasha (JAM) (1992)	time	2.01	3.13	4.15	5.12	6.08	7.03	8.00	8.98	9.98	11.00	11.00	1 / 2			
reaction time 0.158	interval		1.12	1.02	0.97	0.96	0.95	0.97	0.98	1.00	1.02		# of strides	4.15	2.88	2.95
	velocity	4.98	8.93	9.80	10.31	10.42	10.53	10.31	10.20	10.00	9.80	9.09	49.0	7.23	10.42	10.17
Thompson-Herah, Elaine (JAM) (	time	2.04	3.17	4.19	5.16	6.12	7.08	8.04	9.01	9.99	11.00	11.00	5 / 3			
reaction time 0.181	interval		1.13	1.02	0.97	0.96	0.96	0.96	0.97	0.98	1.01		# of strides	4.19	2.89	2.91
	velocity	4.90	8.85	9.80	10.31	10.42	10.42	10.42	10.31	10.20	9.90	9.09	50.0	7.16	10.38	10.31
Kambundji, Mujinga (SUI) (1992)	time	2.03	3.15	4.17	5.15	6.12	7.08	8.06	9.04	10.05	11.08	11.08	6 / 4			
reaction time 0.134	interval		1.12	1.02	0.98	0.97	0.96	0.98	0.98	1.01	1.03		# of strides	4.17	2.91	2.97
	velocity	4.93	8.93	9.80	10.20	10.31	10.42	10.20	10.20	9.90	9.71	9.03	52.0	7.19	10.31	10.10
Forbes, Shashalee (JAM) (1996)	time	1.99	3.14	4.17	5.16	6.14	7.11	8.09	9.08	10.08	11.12	11.12	8 / 5			
reaction time 0.131	interval		1.15	1.03	0.99	0.98	0.97	0.98	0.99	1.00	1.04		# of strides	4.17	2.94	2.97
	velocity	5.03	8.70	9.71	10.10	10.20	10.31	10.20	10.10	10.00	9.62	8.99	51.0	7.19	10.20	10.10
Terry, Twanisha (USA) (1999)	time	2.03	3.17	4.20	5.19	6.16	7.14	8.11	9.11	10.11	11.13	11.13	3 / 6			
reaction time 0.153	interval		1.14	1.03	0.99	0.97	0.98	0.97	1.00	1.00	1.02		# of strides	4.20	2.94	2.97
	velocity	4.93	8.77	9.71	10.10	10.31	10.20	10.31	10.00	10.00	9.80	8.98	53.0	7.14	10.20	10.10
Hobbs, Zoe (NZL) (1997)	time	2.03	3.16	4.19	5.18	6.15	7.12	8.10	9.10	10.11	11.14	11.14	2 / 7			
reaction time 0.160	interval		1.13	1.03	0.99	0.97	0.97	0.98	1.00	1.01	1.03		# of strides	4.19	2.93	2.99
	velocity	4.93	8.85	9.71	10.10	10.31	10.31	10.20	10.00	9.90	9.71	8.98	51.0	7.16	10.24	10.03
Clark, Tamara (USA) (1999)	time	2.01	3.17	4.22	5.23	6.22	7.20	8.19	9.19	10.20	11.23	11.23	9 / 8			
reaction time 0.136	interval		1.16	1.05	1.01	0.99	0.98	0.99	1.00	1.01	1.03		# of strides	4.22	2.98	3.00
	velocity	4.98	8.62	9.52	9.90	10.10	10.20	10.10	10.00	9.90	9.71	8.90	52.2	7.11	10.07	10.00
Strachan, Anthonique (BAH) (19	time	2.06	3.22	4.27	5.28	6.28	7.27	8.28	9.29	10.31	11.39	11.39	7 / 9			
reaction time 0.155	interval		1.16	1.05	1.01	1.00	0.99	1.01	1.01	1.02	1.08		# of strides	4.27	3.00	3.04
	velocity	4.85	8.62	9.52	9.90	10.00	10.10	9.90	9.90	9.80	9.26	8.78	45.0	7.03	10.00	9.87

National FINAL

date 31-Aug-23 wind -0.1 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Frey, Géraldine (SUI) (1997)	time	1.99	3.13	4.17	5.17	6.17	7.16	8.15	9.16	10.19	11.25	11.25	6 / 1			
reaction time 0.159	interval		1.14	1.04	1.00	1.00	0.99	0.99	1.01	1.03	1.06		# of strides	4.17	2.99	3.03
	velocity	5.03	8.77	9.62	10.00	10.00	10.10	10.10	9.90	9.71	9.43	8.89		7.19	10.03	9.90
Bazolo, Lorène Dorcas (POR) (19	time	2.07	3.22	4.26	5.27	6.26	7.25	8.25	9.27	10.30	11.35	11.35	7 / 2			
reaction time 0.153	interval		1.15	1.04	1.01	0.99	0.99	1.00	1.02	1.03	1.05		# of strides	4.26	2.99	3.05
	velocity	4.83	8.70	9.62	9.90	10.10	10.10	10.00	9.80	9.71	9.52	8.81		7.04	10.03	9.84
Gutschmidt, Melissa (SUI) (2002)	time	2.07	3.21	4.26	5.26	6.26	7.25	8.26	9.28	10.32	11.39	11.39	2 / 3			
reaction time 0.171	interval		1.14	1.05	1.00	1.00	0.99	1.01	1.02	1.04	1.07		# of strides	4.26	2.99	3.07
	velocity	4.83	8.77	9.52	10.00	10.00	10.10	9.90	9.80	9.62	9.35	8.78		7.04	10.03	9.77
Seedo, N'Ketia (NED) (2003)	time	2.03	3.19	4.23	5.24	6.24	7.25	8.26	9.29	10.34	11.42	11.42	5 / 4			
reaction time 0.161	interval		1.16	1.04	1.01	1.00	1.01	1.01	1.03	1.05	1.08		# of strides	4.23	3.02	3.09
	velocity	4.93	8.62	9.62	9.90	10.00	9.90	9.90	9.71	9.52	9.26	8.76		7.09	9.93	9.71

Kora, Salomé (SUI) (1994)		time	2.09	3.25	4.30	5.32	6.32	7.31	8.31	9.33	10.36	11.42	11.42	4 / 5			
	reaction time 0.153	interval		1.16	1.05	1.02	1.00	0.99	1.00	1.02	1.03	1.06		# of strides	4.30	3.01	3.05
		velocity	4.78	8.62	9.52	9.80	10.00	10.10	10.00	9.80	9.71	9.43	8.76		6.98	9.97	9.84
Masters, Bree (AUS) (1995)		time	2.08	3.24	4.29	5.29	6.28	7.28	8.28	9.31	10.36	11.43	11.43	1 / 6			
	reaction time 0.151	interval		1.16	1.05	1.00	0.99	1.00	1.00	1.03	1.05	1.07		# of strides	4.29	2.99	3.08
		velocity	4.81	8.62	9.52	10.00	10.10	10.00	10.00	9.71	9.52	9.35	8.75		6.99	10.03	9.74
Gandulla, Arialis (POR) (1995)		time	2.10	3.26	4.32	5.33	6.33	7.33	8.33	9.35	10.39	11.45	11.45	3 / 7			
	reaction time 0.158	interval		1.16	1.06	1.01	1.00	1.00	1.00	1.02	1.04	1.06		# of strides	4.32	3.01	3.06
		velocity	4.76	8.62	9.43	9.90	10.00	10.00	10.00	9.80	9.62	9.43	8.73		6.94	9.97	9.80
van Hunenstijn, Marije (NED) (19		time	2.10	3.29	4.35	5.37	6.38	7.38	8.39	9.41	10.44	11.49	11.49	9 / 8			
	reaction time 0.162	interval		1.19	1.06	1.02	1.01	1.00	1.01	1.02	1.03	1.05		# of strides	4.35	3.03	3.06
		velocity	4.76	8.40	9.43	9.80	9.90	10.00	9.90	9.80	9.71	9.52	8.70		6.90	9.90	9.80
Lewis, Torrie (AUS) (2005)		time	2.07	3.24	4.31	5.33	6.35	7.36	8.38	9.41	10.47	11.56	11.56	8 / 9			
	reaction time 0.138	interval		1.17	1.07	1.02	1.02	1.01	1.02	1.03	1.06	1.09		# of strides	4.31	3.05	3.11
		velocity	4.83	8.55	9.35	9.80	9.80	9.90	9.80	9.71	9.43	9.17	8.65		6.96	9.84	9.65

National B FINAL

date 31-Aug-23 wind -0.2 m/s *Omega Timing (2023) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Posch, Isabel (AUT) (2000)		time	2.03	3.21	4.27	5.30	6.31	7.32	8.35	9.40	10.47	11.57	11.57	8 / 1			
	reaction time 0.142	interval		1.18	1.06	1.03	1.01	1.01	1.03	1.05	1.07	1.10		# of strides	4.27	3.05	3.15
		velocity	4.93	8.47	9.43	9.71	9.90	9.90	9.71	9.52	9.35	9.09	8.64		7.03	9.84	9.52
Kloster, Line (NOR) (1990)		time	2.09	3.28	4.34	5.37	6.39	7.39	8.41	9.44	10.50	11.58	11.58	7 / 2			
	reaction time 0.147	interval		1.19	1.06	1.03	1.02	1.00	1.02	1.03	1.06	1.08		# of strides	4.34	3.05	3.11
		velocity	4.78	8.40	9.43	9.71	9.80	10.00	9.80	9.71	9.43	9.26	8.64		6.91	9.84	9.65
Lindner, Magdalena (AUT) (2000)		time	2.09	3.29	4.37	5.42	6.45	7.48	8.53	9.59	10.67	11.79	11.79	5 / 3			
	reaction time 0.146	interval		1.20	1.08	1.05	1.03	1.03	1.05	1.06	1.08	1.12		# of strides	4.37	3.11	3.19
		velocity	4.78	8.33	9.26	9.52	9.71	9.71	9.52	9.43	9.26	8.93	8.48		6.86	9.65	9.40
Bürgi, Céline (SUI) (1999)		time	2.10	3.30	4.38	5.42	6.46	7.50	8.55	9.63	10.72	11.82	11.82	4 / 4			
	reaction time 0.129	interval		1.20	1.08	1.04	1.04	1.04	1.05	1.08	1.09	1.10		# of strides	4.38	3.12	3.22
		velocity	4.76	8.33	9.26	9.62	9.62	9.62	9.52	9.26	9.17	9.09	8.46		6.85	9.62	9.32
Marjanen, Pirkitta (FIN) (2001)		time	2.14	3.33	4.42	5.47	6.50	7.55	8.62	9.69	10.80	11.91	11.91	1 / 5			
	reaction time 0.158	interval		1.19	1.09	1.05	1.03	1.05	1.07	1.07	1.11	1.11		# of strides	4.42	3.13	3.25
		velocity	4.67	8.40	9.17	9.52	9.71	9.52	9.35	9.35	9.01	9.01	8.40		6.79	9.58	9.23
Weiss, Lena (SUI) (1994)		time	2.08	3.27	4.36	5.41	6.46	7.51	8.57	9.66	10.77	11.93	11.93	6 / 6			
	reaction time 0.145	interval		1.19	1.09	1.05	1.05	1.05	1.06	1.09	1.11	1.16		# of strides	4.36	3.15	3.26
		velocity	4.81	8.40	9.17	9.52	9.52	9.52	9.43	9.17	9.01	8.62	8.38		6.88	9.52	9.20
Jensen, Christine Bjelland (NOR)		time	2.18	3.41	4.51	5.58	6.62	7.66	8.72	9.78	10.86	11.95	11.95	3 / 7			
	reaction time 0.175	interval		1.23	1.10	1.07	1.04	1.04	1.06	1.06	1.08	1.09		# of strides	4.51	3.15	3.20
		velocity	4.59	8.13	9.09	9.35	9.62	9.62	9.43	9.43	9.26	9.17	8.37		6.65	9.52	9.38
Becerra, Soraya (SUI) (2004)		time	2.16	3.37	4.46	5.53	6.59	7.65	8.72	9.81	10.92	12.03	12.03	2 / 8			
	reaction time 0.128	interval		1.21	1.09	1.07	1.06	1.06	1.07	1.09	1.11	1.11		# of strides	4.46	3.19	3.27
		velocity	4.63	8.26	9.17	9.35	9.43	9.43	9.35	9.17	9.01	9.01	8.31		6.73	9.40	9.17

2023 World Athletics Championships (Budapest, HUN)

FINAL

date 21-Aug-23 wind -0.2 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Richardson, Sha'Carri (USA) (20(	0.156	no information available									CR PB	10.65	9 / 1	# of strides		50.5
Jackson, Shericka (JAM) (1994)	0.166	no information available										10.72	4 / 2	# of strides		47.5
Fraser-Pryce, Shelly-Ann (JAM) (	0.153	no information available										10.77	5 / 3	# of strides		50.5
Ta Lou, Marie-Josée (CIV) (1988)	0.147	no information available										10.81	7 / 4	# of strides		49.7
Alfred, Julien (LCA) (2001)	0.153	no information available										10.93	6 / 5	# of strides		49.0
Swoboda, Ewa (POL) (1997)	0.151	no information available										10.97	1 / 6	# of strides		50.0
Brown, Brittany (USA) (1995)	0.188	no information available										10.97	3 / 7	# of strides		49.0
Asher-Smith, Dina (GBR) (1995)	0.146	no information available										11.00	2 / 8	# of strides		50.0
Davis, Tamari (USA) (2003)	0.142	no information available										11.03	8 / 9	# of strides		47.5

2023 London Athletics Meet (London, GBR)

FINAL

date 23-Jul-23 wind 1.2 m/s *Omega Timing (2023) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ta Lou, Marie-Josée (CIV) (1988)		time	1.98	3.09	4.10	5.06	5.99	6.92	7.85	8.80	9.76	10.75	10.75	5 / 1			
	reaction time 0.146	interval		1.11	1.01	0.96	0.93	0.93	0.93	0.95	0.96	0.99		# of strides	4.10	2.82	2.84
		velocity	5.05	9.01	9.90	10.42	10.75	10.75	10.75	10.53	10.42	10.10	9.30	49.5	7.32	10.64	10.56
Asher-Smith, Dina (GBR) (1995)		time	1.98	3.08	4.08	5.04	5.99	6.93	7.88	8.85	9.84	10.85	10.85	3 / 2			

reaction time 0.144	interval		1.10	1.00	0.96	0.95	0.94	0.95	0.97	0.99	1.01		# of strides	4.08	2.85	2.91
	velocity	5.05	9.09	10.00	10.42	10.53	10.64	10.53	10.31	10.10	9.90	9.22	49.0	7.35	10.53	10.31
Jackson, Shericka (JAM) (1994)	time	2.02	3.12	4.13	5.10	6.06	7.01	7.96	8.94	9.92	10.94	10.94	4 / 3			
reaction time 0.155	interval		1.10	1.01	0.97	0.96	0.95	0.95	0.98	0.98	1.02		# of strides	4.13	2.88	2.91
	velocity	4.95	9.09	9.90	10.31	10.42	10.53	10.53	10.20	10.20	9.80	9.14	48.0	7.26	10.42	10.31
Neita, Daryll (GBR) (1996)	time	2.02	3.14	4.16	5.13	6.09	7.04	8.00	8.97	9.95	10.96	10.96	6 / 4			
reaction time 0.144	interval		1.12	1.02	0.97	0.96	0.95	0.96	0.97	0.98	1.01		# of strides	4.16	2.88	2.91
	velocity	4.95	8.93	9.80	10.31	10.42	10.53	10.42	10.31	10.20	9.90	9.12	47.7	7.21	10.42	10.31
Hobbs, Aleia (USA) (1996)	time	2.00	3.11	4.14	5.12	6.08	7.04	8.00	8.97	9.97	10.99	10.99	1 / 5			
reaction time 0.140	interval		1.11	1.03	0.98	0.96	0.96	0.96	0.97	1.00	1.02		# of strides	4.14	2.90	2.93
	velocity	5.00	9.01	9.71	10.20	10.42	10.42	10.42	10.31	10.00	9.80	9.10	50.0	7.25	10.34	10.24
Terry, Twanisha (USA) (1999)	time	2.01	3.15	4.17	5.15	6.10	7.05	8.01	8.98	9.97	10.99	10.99	2 / 6			
reaction time 0.154	interval		1.14	1.02	0.98	0.95	0.95	0.96	0.97	0.99	1.02		# of strides	4.17	2.88	2.92
	velocity	4.98	8.77	9.80	10.20	10.53	10.53	10.42	10.31	10.10	9.80	9.10	51.0	7.19	10.42	10.27
Jefferson, Melissa (USA) (2001)	time	2.01	3.16	4.19	5.19	6.16	7.13	8.10	9.08	10.07	11.09	11.09	8 / 7			
reaction time 0.154	interval		1.15	1.03	1.00	0.97	0.97	0.97	0.98	0.99	1.02		# of strides	4.19	2.94	2.94
	velocity	4.98	8.70	9.71	10.00	10.31	10.31	10.31	10.20	10.10	9.80	9.02	53.0	7.16	10.20	10.20
Strachan, Anthonique (BAH) (19	time	2.03	3.16	4.20	5.19	6.17	7.13	8.11	9.09	10.10	11.13	11.13	7 / 8			
reaction time 0.147	interval		1.13	1.04	0.99	0.98	0.96	0.98	0.98	1.01	1.03		# of strides	4.20	2.93	2.97
	velocity	4.93	8.85	9.62	10.10	10.20	10.42	10.20	10.20	9.90	9.71	8.98	44.0	7.14	10.24	10.10

2023 Kamila Skolimowska Memorial (Silesia, POL)

FINAL date 16-Jul-23 wind 0.2 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Richardson, Sha'Carri (USA) (20(	time	2.04	3.14	4.15	5.11	6.05	6.98	7.91	8.84	9.79	10.76	10.76	6 / 1			
reaction time 0.183	interval		1.10	1.01	0.96	0.94	0.93	0.93	0.93	0.95	0.97		# of strides	4.15	2.83	2.81
	velocity	4.90	9.09	9.90	10.42	10.64	10.75	10.75	10.75	10.53	10.31	9.29	50.0	7.23	10.60	10.68
Jackson, Shericka (JAM) (1994)	time	1.99	3.10	4.09	5.05	5.99	6.94	7.88	8.83	9.79	10.78	10.78	5 / 2			
reaction time 0.149	interval		1.11	0.99	0.96	0.94	0.95	0.94	0.95	0.96	0.99		# of strides	4.09	2.85	2.85
	velocity	5.03	9.01	10.10	10.42	10.64	10.53	10.64	10.53	10.42	10.10	9.28	48.0	7.33	10.53	10.53
Swoboda, Ewa (POL) (1997)	time	1.96	3.08	4.10	5.08	6.04	7.00	7.96	8.93	9.92	10.94	10.94	4 / 3			
reaction time 0.137	interval		1.12	1.02	0.98	0.96	0.96	0.96	0.97	0.99	1.02	PB	# of strides	4.10	2.90	2.92
	velocity	5.10	8.93	9.80	10.20	10.42	10.42	10.42	10.31	10.10	9.80	9.14	50.0	7.32	10.34	10.27
Terry, Twanisha (USA) (1999)	time	2.04	3.16	4.18	5.16	6.11	7.07	8.02	8.98	9.97	10.99	10.99	1 / 4			
reaction time 0.164	interval		1.12	1.02	0.98	0.95	0.96	0.95	0.96	0.99	1.02		# of strides	4.18	2.89	2.90
	velocity	4.90	8.93	9.80	10.20	10.53	10.42	10.53	10.42	10.10	9.80	9.10	52.0	7.18	10.38	10.34
Neita, Daryll (GBR) (1996)	time	1.99	3.12	4.15	5.13	6.08	7.04	8.01	8.98	9.97	11.01	11.01	7 / 5			
reaction time 0.141	interval		1.13	1.03	0.98	0.95	0.96	0.97	0.97	0.99	1.04		# of strides	4.15	2.89	2.93
	velocity	5.03	8.85	9.71	10.20	10.53	10.42	10.31	10.31	10.10	9.62	9.08	47.7	7.23	10.38	10.24
Strachan, Anthonique (BAH) (19	time	2.04	3.18	4.20	5.20	6.16	7.13	8.10	9.06	10.04	11.05	11.05	3 / 6			
reaction time 0.141	interval		1.14	1.02	1.00	0.96	0.97	0.97	0.96	0.98	1.01		# of strides	4.20	2.93	2.91
	velocity	4.90	8.77	9.80	10.00	10.42	10.31	10.31	10.42	10.20	9.90	9.05	44.0	7.14	10.24	10.31
Lückenkemper, Gina (GER) (1996	time	2.08	3.22	4.25	5.24	6.20	7.16	8.12	9.09	10.07	11.09	11.09	8 / 7			
reaction time 0.188	interval		1.14	1.03	0.99	0.96	0.96	0.96	0.97	0.98	1.02		# of strides	4.25	2.91	2.91
	velocity	4.81	8.77	9.71	10.10	10.42	10.42	10.42	10.31	10.20	9.80	9.02	49.5	7.06	10.31	10.31
Hobbs, Zoe (NZL) (1997)	time	2.03	3.15	4.18	5.17	6.14	7.11	8.09	9.09	10.11	11.15	11.15	2 / 8			
reaction time 0.167	interval		1.12	1.03	0.99	0.97	0.97	0.98	1.00	1.02	1.04		# of strides	4.18	2.93	3.00
	velocity	4.93	8.93	9.71	10.10	10.31	10.31	10.20	10.00	9.80	9.62	8.97	50.5	7.18	10.24	10.00
Forbes, Shashalee (JAM) (1996)	time	2.02	3.15	4.19	5.18	6.17	7.15	8.13	9.13	10.14	11.18	11.18	9 / 9			
reaction time 0.143	interval		1.13	1.04	0.99	0.99	0.98	0.98	1.00	1.01	1.04		# of strides	4.19	2.96	2.99
	velocity	4.95	8.85	9.62	10.10	10.10	10.20	10.20	10.00	9.90	9.62	8.94	51.2	7.16	10.14	10.03

2023 Athletissima (Lausanne, SUI)

FINAL date 30-Jun-23 wind -0.8 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ta Lou, Marie-Josée (CIV) (1988)	time	1.97	3.10	4.11	5.08	6.03	6.99	7.94	8.90	9.88	10.88	10.88	5 / 1			
reaction time 0.132	interval		1.13	1.01	0.97	0.95	0.96	0.95	0.96	0.98	1.00		# of strides	4.11	2.88	2.89
	velocity	5.08	8.85	9.90	10.31	10.53	10.42	10.53	10.42	10.20	10.00	9.19	50.5	7.30	10.42	10.38
Neita, Daryll (GBR) (1996)	time	2.02	3.16	4.18	5.17	6.14	7.10	8.07	9.05	10.04	11.07	11.07	3 / 2			
reaction time 0.135	interval		1.14	1.02	0.99	0.97	0.96	0.97	0.98	0.99	1.03		# of strides	4.18	2.92	2.94

	velocity	4.95	8.77	9.80	10.10	10.31	10.42	10.31	10.20	10.10	9.71	9.03	48.0	7.18	10.27	10.20
Lückenkemper, Gina (GER) (1996	time	2.06	3.20	4.23	5.23	6.20	7.17	8.15	9.13	10.14	11.17	11.17	4 / 3			
reaction time 0.198	interval		1.14	1.03	1.00	0.97	0.97	0.98	0.98	1.01	1.03		# of strides	4.23	2.94	2.97
	velocity	4.85	8.77	9.71	10.00	10.31	10.31	10.20	10.20	9.90	9.71	8.95	49.5	7.09	10.20	10.10
Swoboda, Ewa (POL) (1997)	time	1.99	3.11	4.14	5.14	6.12	7.10	8.08	9.09	10.11	11.17	11.17	2 / 4			
reaction time 0.144	interval		1.12	1.03	1.00	0.98	0.98	0.98	1.01	1.02	1.06		# of strides	4.14	2.96	3.01
	velocity	5.03	8.93	9.71	10.00	10.20	10.20	10.20	9.90	9.80	9.43	8.95	50.5	7.25	10.14	9.97
Hobbs, Aleia (USA) (1996)	time	2.02	3.15	4.17	5.16	6.15	7.13	8.12	9.13	10.16	11.20	11.20	7 / 5			
reaction time 0.173	interval		1.13	1.02	0.99	0.99	0.98	0.99	1.01	1.03	1.04		# of strides	4.17	2.96	3.03
	velocity	4.95	8.85	9.80	10.10	10.10	10.20	10.10	9.90	9.71	9.62	8.93	51.0	7.19	10.14	9.90
Lansiquot, Imani (GBR) (1997)	time	2.03	3.18	4.24	5.24	6.22	7.20	8.18	9.17	10.19	11.24	11.24	8 / 6			
reaction time 0.136	interval		1.15	1.06	1.00	0.98	0.98	0.98	0.99	1.02	1.05		# of strides	4.24	2.96	2.99
	velocity	4.93	8.70	9.43	10.00	10.20	10.20	10.20	10.10	9.80	9.52	8.90	48.0	7.08	10.14	10.03
Ahouré-Demps, Murielle (CIV) (1!	time	2.02	3.17	4.21	5.21	6.21	7.20	8.20	9.20	10.22	11.27	11.27	1 / 7			
reaction time 0.145	interval		1.15	1.04	1.00	1.00	0.99	1.00	1.00	1.02	1.05		# of strides	4.21	2.99	3.02
	velocity	4.95	8.70	9.62	10.00	10.00	10.10	10.00	10.00	9.80	9.52	8.87	51.0	7.13	10.03	9.93
Kambundji, Mujinga (SUI) (1992)	time	2.03	3.17	4.21	5.21	6.21	7.21	8.23	9.25	10.30	11.41	11.41	6 / 8			
reaction time 0.136	interval		1.14	1.04	1.00	1.00	1.00	1.02	1.02	1.05	1.11		# of strides	4.21	3.00	3.09
	velocity	4.93	8.77	9.62	10.00	10.00	10.00	9.80	9.80	9.52	9.01	8.76	52.7	7.13	10.00	9.71

2023 FBK Games (Hengelo, NED)

FINAL date 04-Jun-23 wind -0.1 m/s *Omega Timing (2023) - continental tour race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Neita, Daryll (GBR) (1996)	time	2.09	3.22	4.24	5.21	6.17	7.12	8.08	9.04	10.03	11.05	11.05	4 / 1			
reaction time	interval		1.13	1.02	0.97	0.96	0.95	0.96	0.96	0.99	1.02		# of strides	4.24	2.88	2.91
	velocity	4.78	8.85	9.80	10.31	10.42	10.53	10.42	10.42	10.10	9.80	9.05	47.7	7.08	10.42	10.31
Hemida, Bassant (EGY) (1996)	time	2.00	3.15	4.19	5.18	6.16	7.13	8.11	9.10	10.11	11.16	11.16	5 / 2			
reaction time	interval		1.15	1.04	0.99	0.98	0.97	0.98	0.99	1.01	1.05		# of strides	4.19	2.94	2.98
	velocity	5.00	8.70	9.62	10.10	10.20	10.31	10.20	10.10	9.90	9.52	8.96	52.7	7.16	10.20	10.07
Rosa, Vitoria Cristina (BRA) (199	time	2.00	3.15	4.18	5.18	6.17	7.14	8.13	9.12	10.13	11.18	11.18	8 / 3			
reaction time	interval		1.15	1.03	1.00	0.99	0.97	0.99	0.99	1.01	1.05		# of strides	4.18	2.96	2.99
	velocity	5.00	8.70	9.71	10.00	10.10	10.31	10.10	10.10	9.90	9.52	8.94	49.0	7.18	10.14	10.03
Sturgis, Cambrea (USA) (1999)	time	2.03	3.17	4.20	5.20	6.18	7.15	8.14	9.14	10.15	11.20	11.20	2 / 4			
reaction time	interval		1.14	1.03	1.00	0.98	0.97	0.99	1.00	1.01	1.05		# of strides	4.20	2.95	3.00
	velocity	4.93	8.77	9.71	10.00	10.20	10.31	10.10	10.00	9.90	9.52	8.93	51.0	7.14	10.17	10.00
Seedo, N'Ketia (NED) (2003)	time	2.02	3.16	4.19	5.19	6.17	7.14	8.13	9.13	10.15	11.22	11.22	6 / 5			
reaction time	interval		1.14	1.03	1.00	0.98	0.97	0.99	1.00	1.02	1.07		# of strides	4.19	2.95	3.01
	velocity	4.95	8.77	9.71	10.00	10.20	10.31	10.10	10.00	9.80	9.35	8.91	52.0	7.16	10.17	9.97
Koné, Maboundou (CIV) (1997)	time	2.01	3.16	4.20	5.20	6.20	7.18	8.18	9.20	10.22	11.30	11.30	9 / 6			
reaction time	interval		1.15	1.04	1.00	1.00	0.98	1.00	1.02	1.02	1.08		# of strides	4.20	2.98	3.04
	velocity	4.98	8.70	9.62	10.00	10.00	10.20	10.00	9.80	9.80	9.26	8.85	51.0	7.14	10.07	9.87
Nkansa, Delphine (BEL) (2001)	time	2.03	3.18	4.23	5.23	6.22	7.22	8.22	9.22	10.25	11.32	11.32	1 / 7			
reaction time	interval		1.15	1.05	1.00	0.99	1.00	1.00	1.00	1.03	1.07		# of strides	4.23	2.99	3.03
	velocity	4.93	8.70	9.52	10.00	10.10	10.00	10.00	10.00	9.71	9.35	8.83	51.0	7.09	10.03	9.90
Ahye, Michelle-Lee (TTO) (1992)	time	2.01	3.17	4.23	5.23	6.23	7.22	8.22	9.23	10.27	11.35	11.35	7 / 8			
reaction time	interval		1.16	1.06	1.00	1.00	0.99	1.00	1.01	1.04	1.08		# of strides	4.23	2.99	3.05
	velocity	4.98	8.62	9.43	10.00	10.00	10.10	10.00	9.90	9.62	9.26	8.81	51.0	7.09	10.03	9.84
Daniels, Teahna (USA) (1997)	time	2.08	3.24	4.30	5.31	6.31	7.32	8.35	9.39	10.44	11.57	11.57	3 / 9			
reaction time	interval		1.16	1.06	1.01	1.00	1.01	1.03	1.04	1.05	1.13		# of strides	4.30	3.02	3.12
	velocity	4.81	8.62	9.43	9.90	10.00	9.90	9.71	9.62	9.52	8.85	8.64	49.0	6.98	9.93	9.62

2023 Golden Gala Pietro Mennea (Firenze, ITA)

FINAL date 02-Jun-23 wind -0.4 m/s *Omega Timing (2023) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ta Lou, Marie-Josée (CIV) (1988)	time	2.02	3.25	4.16	5.14	6.11	7.06	8.01	8.98	9.96	10.97	10.97	4 / 1			
reaction time 0.169	interval		1.23	0.91	0.98	0.97	0.95	0.95	0.97	0.98	1.01		# of strides	4.16	2.90	2.90
	velocity	4.95	8.13	10.99	10.20	10.31	10.53	10.53	10.31	10.20	9.90	9.12	51.0	7.21	10.34	10.34
Lückenkemper, Gina (GER) (1996	time	2.06	3.20	4.23	5.21	6.18	7.14	8.11	9.08	10.06	11.09	11.09	3 / 2			
reaction time 0.192	interval		1.14	1.03	0.98	0.97	0.96	0.97	0.97	0.98	1.03		# of strides	4.23	2.91	2.92
	velocity	4.85	8.77	9.71	10.20	10.31	10.42	10.31	10.31	10.20	9.71	9.02	50.0	7.09	10.31	10.27

Lansiquot, Imani (GBR) (1997)		time	2.00	3.15	4.19	5.18	6.16	7.13	8.11	9.10	10.11	11.16	11.16	1 / 3			
reaction time	0.150	interval		1.15	1.04	0.99	0.98	0.97	0.98	0.99	1.01	1.05		# of strides	4.19	2.94	2.98
		velocity	5.00	8.70	9.62	10.10	10.20	10.31	10.20	10.10	9.90	9.52	8.96	48.0	7.16	10.20	10.07
Akinosun, Morolake (USA) (1994		time	2.04	3.19	4.24	5.23	6.21	7.18	8.16	9.13	10.14	11.20	11.20	6 / 4			
reaction time	0.161	interval		1.15	1.05	0.99	0.98	0.97	0.98	0.97	1.01	1.06		# of strides	4.24	2.94	2.96
		velocity	4.90	8.70	9.52	10.10	10.20	10.31	10.20	10.31	9.90	9.43	8.93	53.2	7.08	10.20	10.14
Steiner, Abby (USA) (1999)		time	2.05	3.20	4.23	5.22	6.20	7.18	8.18	9.16	10.17	11.23	11.23	2 / 5			
reaction time	0.139	interval		1.15	1.03	0.99	0.98	0.98	1.00	0.98	1.01	1.06		# of strides	4.23	2.95	2.99
		velocity	4.88	8.70	9.71	10.10	10.20	10.20	10.00	10.20	9.90	9.43	8.90	54.0	7.09	10.17	10.03
Thomas, Gabrielle (USA) (1996)		time	2.00	3.19	4.23	5.22	6.21	7.19	8.18	9.18	10.20	11.27	11.27	8 / 6			
reaction time	0.171	interval		1.19	1.04	0.99	0.99	0.98	0.99	1.00	1.02	1.07		# of strides	4.23	2.96	3.01
		velocity	5.00	8.40	9.62	10.10	10.10	10.20	10.10	10.00	9.80	9.35	8.87	47.0	7.09	10.14	9.97

2022 Weltklasse (Zürich, SUI)

FINAL date 08-Sep-22 wind -0.8 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (		time		3.06		5.00		6.86		8.72		10.65	10.65	5 / 1			
reaction time	0.159	interval				1.94		1.86		1.86		1.93		# of strides			
		velocity		6.54		10.31		10.75		10.75		10.36	9.39	50.0			
Jackson, Shericka (JAM) (1994)		time		3.14		5.10		6.98		8.87		10.81	10.81	4 / 2			
reaction time	0.171	interval				1.96		1.88		1.89		1.94		# of strides			
		velocity		6.37		10.20		10.64		10.58		10.31	9.25	48.0			
Ta Lou, Marie-Josée (CIV) (1988)		time		3.16		5.16		7.06		8.97		10.91	10.91	6 / 3			
reaction time	0.194	interval				2.00		1.90		1.91		1.94		# of strides			
		velocity		6.33		10.00		10.53		10.47		10.31	9.17	50.2			
Neita, Daryll (GBR) (1996)		time		3.19		5.19		7.11		9.03		11.02	11.02	8 / 4			
reaction time	0.167	interval				2.00		1.92		1.92		1.99		# of strides			
		velocity		6.27		10.00		10.42		10.42		10.05	9.07	48.0			
Hobbs, Aleia (USA) (1996)	0.160	no information available											11.03	3 / 5		# of strides	50.0
Terry, Twanisha (USA) (1999)		time		3.19		5.19		7.12		9.08		11.10	11.10	7 / 6			
reaction time	0.178	interval				2.00		1.93		1.96		2.02		# of strides			
		velocity		6.27		10.00		10.36		10.20		9.90	9.01	52.0			
Richardson, Sha'Carri (USA) (20(		time		3.20		5.22		7.16		9.13		11.13	11.13	2 / 7			
reaction time	0.163	interval				2.02		1.94		1.97		2.00		# of strides			
		velocity		6.25		9.90		10.31		10.15		10.00	8.98	52.0			

2022 Memorial van Damme (Brussels, BEL)

FINAL date 02-Sep-22 wind 0.6 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jackson, Shericka (JAM) (1994)		time		3.11		5.06		6.93		8.81		10.73	10.73	3 / 1			
reaction time	0.148	interval				1.95		1.87		1.88		1.92		# of strides			
		velocity		6.43		10.26		10.70		10.64		10.42	9.32	48.0			
Fraser-Pryce, Shelly-Ann (JAM) (		time		3.06		5.00		6.85		8.74		10.74	10.74	5 / 2			
reaction time	0.136	interval				1.94		1.85		1.89		2.00		# of strides			
		velocity		6.54		10.31		10.81		10.58		10.00	9.31	50.0			
Ta Lou, Marie-Josée (CIV) (1988)		time		3.14		5.11		6.99		8.86		10.78	10.78	6 / 3			
reaction time	0.181	interval				1.97		1.88		1.87		1.92		# of strides			
		velocity		6.37		10.15		10.64		10.70		10.42	9.28	50.5			
Hobbs, Aleia (USA) (1996)		time		3.12		5.11		7.02		8.92		10.91	10.91	4 / 4			
reaction time	0.164	interval				1.99		1.91		1.90		1.99		# of strides			
		velocity		6.41		10.05		10.47		10.53		10.05	9.17	50.0			
Richardson, Sha'Carri (USA) (20(		time		3.18		5.16		7.05		8.96		10.93	10.93	7 / 5			
reaction time	0.153	interval				1.98		1.89		1.91		1.97		# of strides			
		velocity		6.29		10.10		10.58		10.47		10.15	9.15	51.7			
Clark, Tamara (USA) (1999)		time		3.14		5.15		7.09		9.03		11.03	11.03	2 / 6			
reaction time	0.142	interval				2.01		1.94		1.94		2.00		# of strides			
		velocity		6.37		9.95		10.31		10.31		10.00	9.07	51.2			
Seyni, Aminatou (NIG) (1996)		time		3.24		5.26		7.19		9.14		11.15	11.15	1 / 7			
reaction time	0.196	interval				2.02		1.93		1.95		2.01		# of strides			

		velocity		6.17		9.90		10.36		10.26		9.95	8.97	47.7	
Nkansa, Delphine (BEL) (2001)		time		3.21		5.26		7.23		9.23		11.29	11.29	8 / 8	
reaction time	0.135	interval				2.05		1.97		2.00		2.06		# of strides	
		velocity		6.23		9.76		10.15		10.00		9.71	8.86	51.2	

2022 Athletissima (Lausanne, SUI)

FINAL

date 26-Aug-22 wind 0.0 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hobbs, Aleia (USA) (1996)		time		3.07		5.06		6.95		8.87		10.87	10.87	2 / 1			
reaction time	0.142	interval				1.99		1.89		1.92		2.00		# of strides			
		velocity		6.51		10.05		10.58		10.42		10.00	9.20	50.0			
Jackson, Shericka (JAM) (1994)		time		3.15		5.15		7.04		8.93		10.88	10.88	4 / 2			
reaction time	0.172	interval				2.00		1.89		1.89		1.95		# of strides			
		velocity		6.35		10.00		10.58		10.58		10.26	9.19	48.0			
Ta Lou, Marie-Josée (CIV) (1988)		time		3.13		5.14		7.03		8.93		10.89	10.89	3 / 3			
reaction time	0.169	interval				2.01		1.89		1.90		1.96		# of strides			
		velocity		6.39		9.95		10.58		10.53		10.20	9.18	50.7			
Davis, Tamari (USA) (2003)		time		3.03		5.02		6.94		8.89		10.94	10.94	1 / 4			
reaction time	0.115	interval				1.99		1.92		1.95		2.05		# of strides			
		velocity		6.60		10.05		10.42		10.26		9.76	9.14	48.0			
Terry, Twanisha (USA) (1999)		time		3.14		5.18		7.11		9.07		11.13	11.13	7 / 5			
reaction time	0.160	interval				2.04		1.93		1.96		2.06		# of strides			
		velocity		6.37		9.80		10.36		10.20		9.71	8.98	51.7			
Kambundji, Mujinga (SUI) (1992)		time		3.14		5.18		7.13		9.09		11.15	11.15	6 / 6			
reaction time	0.126	interval				2.04		1.95		1.96		2.06		# of strides			
		velocity		6.37		9.80		10.26		10.20		9.71	8.97	52,2			
Seedo, N'Ketia (NED) (2003)		time		3.18		5.25		7.25		9.29		11.41	11.41	8 / 7			
reaction time	0.181	interval				2.07		2.00		2.04		2.12		# of strides			
		velocity		6.29		9.66		10.00		9.80		9.43	8.76	52.2			

B FINAL - Heat 3

date 26-Aug-22 wind 0.8 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Parisot, Helene (FRA) (1992)		time		3.3		5.4		7.4		9.4		11.54	11.54	3 / 1			
reaction time		interval				2.10		2.00		2.00		2.14		# of strides			
		velocity		6.06		9.52		10.00		10.00		9.35	8.67				
Bisschops, Minke (NED) (2002)		time		3.3		5.3		7.4		9.4		11.66	11.66	6 / 2			
reaction time		interval				2.00		2.10		2.00		2.26		# of strides			
		velocity		6.06		10.00		9.52		10.00		8.85	8.58				
Weiss, Lena (SUI) (1994)		time		3.2		5.3		7.4		9.5		11.74	11.74	4 / 3			
reaction time		interval				2.10		2.10		2.10		2.24		# of strides			
		velocity		6.25		9.52		9.52		9.52		8.93	8.52				
Becerra, Soraya (SUI) (2004)		time		3.3		5.4		7.5		9.6		11.78	11.78	7 / 4			
reaction time		interval				2.10		2.10		2.10		2.18		# of strides			
		velocity		6.06		9.52		9.52		9.52		9.17	8.49				
van Caamp, Emma (SUI) (2004)		time		3.3		5.4		7.4		9.5		11.80	11.80	2 / 5			
reaction time		interval				2.10		2.00		2.10		2.30		# of strides			
		velocity		6.06		9.52		10.00		9.52		8.70	8.47				
Atatou, Wided (FRA) (1999)		time		3.3		5.5		7.6		9.8		12.04	12.04	5 / 6			
reaction time		interval				2.20		2.10		2.20		2.24		# of strides			
		velocity		6.06		9.09		9.52		9.09		8.93	8.31				
Berclaz, Manon (SUI) (2003)		time		3.4		5.6		7.8		10.0		12.39	12.39	8 / 7			
reaction time		interval				2.20		2.20		2.20		2.39		# of strides			
		velocity		5.88		9.09		9.09		9.09		8.37	8.07				

B FINAL - Heat 2

date 26-Aug-22 wind -2.7 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Samuel, Jamile (NED) (1992)		time		3.2		5.3		7.4		9.4		11.56	11.56	6 / 1			
reaction time	0.172	interval				2.10		2.10		2.00		2.16		# of strides			
		velocity		6.25		9.52		9.52		10.00		9.26	8.65				
Gnafoua, Floriane (FRA) (1996)		time		3.2		5.3		7.3		9.4		11.67	11.67	7 / 2			
reaction time	0.177	interval				2.10		2.00		2.10		2.27		# of strides			

		velocity	6.25	9.52	10.00	9.52	8.81	8.57		
Linder, Magdalena (AUT) (2000)		time	3.2	5.3	7.4	9.5	11.75	11.75	2 / 3	
reaction time	0.140	interval		2.10	2.10	2.10	2.25		# of strides	
		velocity	6.25	9.52	9.52	9.52	8.89	8.51		
Sedney, Naomi (NED) (1994)		time	3.3	5.4	7.4	9.6	11.82	11.82	3 / 4	
reaction time	0.179	interval		2.10	2.00	2.20	2.22		# of strides	
		velocity	6.06	9.52	10.00	9.09	9.01	8.46		
Gutschmidt, Melissa (SUI) (2002)		time	3.2	5.3	7.4	9.5	11.82	11.82	5 / 5	
reaction time	0.173	interval		2.10	2.10	2.10	2.32		# of strides	
		velocity	6.25	9.52	9.52	9.52	8.62	8.46		
Joseph, Gémima (FRA) (2001)		time	3.2	5.4	7.5	9.6	11.87	11.87	4 / 6	
reaction time	0.189	interval		2.20	2.10	2.10	2.27		# of strides	
		velocity	6.25	9.09	9.52	9.52	8.81	8.42		

B FINAL - Heat 1

date 26-Aug-22 wind -0.3 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seedo, N'Ketia (NED) (2003)		time		3.1		5.2		7.1		9.1		11.28	11.28	4 / 1			
reaction time	0.151	interval				2.10		1.90		2.00		2.18		# of strides			
		velocity		6.45		9.52		10.53		10.00		9.17	8.87				
Sedney, Zoë (NED) (2001)		time		3.2		5.2		7.2		9.3		11.43	11.43	7 / 2			
reaction time	0.164	interval				2.00		2.00		2.10		2.13		# of strides			
		velocity		6.25		10.00		10.00		9.52		9.39	8.75				
Kora, Salomé (SUI) (1994)		time		3.2		5.3		7.3		9.3		11.46	11.46	3 / 3			
reaction time	0.136	interval				2.10		2.00		2.00		2.16		# of strides			
		velocity		6.25		9.52		10.00		10.00		9.26	8.73				
Frey, Géraldine (SUI) (1997)		time		3.1		5.2		7.3		9.3		11.50	11.50	6 / 4			
reaction time	0.162	interval				2.10		2.10		2.00		2.20		# of strides			
		velocity		6.45		9.52		9.52		10.00		9.09	8.70				
Leconte, Mallory (FRA) (2000)		time		3.2		5.3		7.4		9.4		11.58	11.58	2 / 5			
reaction time	0.156	interval				2.10		2.10		2.00		2.18		# of strides			
		velocity		6.25		9.52		9.52		10.00		9.17	8.64				
Kouni, Natacha (SUI) (2001)		time		3.2		5.3		7.4		9.5		11.81	11.81	5 / 6			
reaction time	0.153	interval				2.10		2.10		2.10		2.31		# of strides			
		velocity		6.25		9.52		9.52		9.52		8.66	8.47				

2022 European Athletics Championships (München, GER)

FINAL

date 16-Aug-22 wind 0.1 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lückenkemper, Gina (GER) (1996	0.187	no information available										10.99	6 / 1	# of strides	49.2	
Kambundji, Mujinga (SUI) (1992)	0.147	no information available										10.99	4 / 2	# of strides	52.7	
Neita, Daryll (GBR) (1996)	0.153	no information available										11.00	5 / 3	# of strides	47.2	
Swoboda, Ewa (POL) (1997)	0.145	no information available										11.18	7 / 4	# of strides	50.0	
Lansiquot, Imani (GBR) (1997)	0.160	no information available										11.21	1 / 5	# of strides	47.2	
Pérez, Maria Isabel (ESP) (1993)	0.158	no information available										11.28	8 / 6	# of strides	52.2	
Dosso, Zaynab (ITA) (1999)	0.171	no information available										11.37	2 / 7	# of strides	49.0	
Asher-Smith, Dina (GBR) (1995)	0.147	no information available										16.03	3 / 8	# of strides		

2022 Herculis Meeting International d'Athlétisme (Monaco, MON)

FINAL

date 10-Aug-22 wind 0.4 m/s *Omega Timing (2022) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (		time		3.04		4.97		6.83		8.69		10.62	10.62	5 / 1			
reaction time	0.134	interval				1.93		1.86		1.86		1.93		# of strides			
		velocity		6.58		10.36		10.75		10.75		10.36	9.42	50.0			
Jackson, Shericka (JAM) (1994)		time		3.13		5.09		6.96		8.83		10.71	10.71	3 / 2			
reaction time	0.171	interval				1.96		1.87		1.87		1.88	**PB**	# of strides			
		velocity		6.39		10.20		10.70		10.70		10.64	9.34	47.5			
Ta Lou, Marie-Josée (CIV) (1988)		time		3.13		5.08		6.94		8.83		10.72	10.72	7 / 3			
reaction time	0.176	interval				1.95		1.86		1.89		1.89	**NR PB**	# of strides			
		velocity		6.39		10.26		10.75		10.58		10.58	9.33	50.7			
Hobbs, Aleia (USA) (1996)		time		3.12		5.08		6.96		8.86		10.81	10.81	6 / 4			
reaction time	0.161	interval				1.96		1.88		1.90		1.95	**=PB**	# of strides			
		velocity		6.41		10.20		10.64		10.53		10.26	9.25	50.0			

Terry, Twanisha (USA) (1999)	time	3.14	5.11	7.01	8.92	10.90	10.90	2 / 5	
reaction time 0.158	interval		1.97	1.90	1.91	1.98		# of strides	
	velocity	6.37	10.15	10.53	10.47	10.10	9.17	52.0	
Neita, Daryll (GBR) (1996)	time	3.23	5.19	7.08	8.97	10.91	10.91	8 / 6	
reaction time 0.176	interval		1.96	1.89	1.89	1.94		# of strides	
	velocity	6.19	10.20	10.58	10.58	10.31	9.17	47.0	
Clark, Tamara (USA) (1999)	time	3.14	5.14	7.06	9.00	10.96	10.96	1 / 7	
reaction time 0.159	interval		2.00	1.92	1.94	1.96		# of strides	
	velocity	6.37	10.00	10.42	10.31	10.20	9.12	51.2	

2022 Silesia Kamila Skolimowska Memorial (Chorzów, POL)

FINAL date 06-Aug-22 wind 0.5 m/s *Omega Timing (2022) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	time		3.05		4.99		6.85		8.72		10.66	10.66	5 / 1			
reaction time 0.152	interval				1.94		1.86		1.87		1.94		# of strides			
	velocity		6.56		10.31		10.75		10.70		10.31	9.38	49.7			
Hobbs, Aleia (USA) (1996)	time		3.14		5.13		7.02		8.94		10.94	10.94	6 / 2			
reaction time 0.151	interval				1.99		1.89		1.92		2.00		# of strides			
	velocity		6.37		10.05		10.58		10.42		10.00	9.14	50.0			
Ta Lou, Marie-Josée (CIV) (1988)	time		3.14		5.14		7.06		8.99		11.00	11.00	4 / 3			
reaction time 0.172	interval				2.00		1.92		1.93		2.01		# of strides			
	velocity		6.37		10.00		10.42		10.36		9.95	9.09	51.5			
Lückenkemper, Gina (GER) (1996	time		3.20		5.22		7.14		9.09		11.10	11.10	8 / 4			
reaction time 0.190	interval				2.02		1.92		1.95		2.01		# of strides			
	velocity		6.25		9.90		10.42		10.26		9.95	9.01	50.0			
Williams, Briana (JAM) (2002)	time		3.10		5.09		7.03		9.02		11.11	11.11	2 / 5			
reaction time 0.144	interval				1.99		1.94		1.99		2.09		# of strides			
	velocity		6.45		10.05		10.31		10.05		9.57	9.00	51.0			
White, Kayla (USA) (1996)	0.140	no information available										11.15	1 / 6	# of strides	48.7	
Jefferson, Melissa (USA) (2001)	time		3.16		5.20		7.16		9.14		11.18	11.18	3 / 7			
reaction time 0.146	interval				2.04		1.96		1.98		2.04		# of strides			
	velocity		6.33		9.80		10.20		10.10		9.80	8.94	52.0			
Terry, Twanisha (USA) (1999)	time		3.15		5.16		7.11		9.10		11.20	11.20	7 / 8			
reaction time 0.156	interval				2.01		1.95		1.99		2.10		# of strides			
	velocity		6.35		9.95		10.26		10.05		9.52	8.93	51.7			
Morrison, Natasha (JAM) (1992)	time		3.14		0.16		7.11		9.11		11.20	11.20	9 / 9			
reaction time 0.150	interval				-2.98		6.95		2.00		2.09		# of strides			
	velocity		6.37		-6.71		2.88		10.00		9.57	8.93	48.5			

2022 Japanese National High School Championships (Naruto, JPN)

FINAL date 04-Aug-22 wind -0.6 m/s *Kishima (2022) - national high school championships biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kurashige, Miu (JPN) (2004)	time	2.01	3.17	4.25	5.30	6.36	7.42	8.50	9.60	10.71	11.85	11.85	5 / 1			
reaction time 0.103	interval		1.16	1.08	1.05	1.06	1.06	1.08	1.10	1.11	1.14		# of strides	4.25	3.17	3.29
	velocity	4.98	8.62	9.26	9.52	9.43	9.43	9.26	9.09	9.01	8.77	8.44	52.0	7.06	9.46	9.12
Kobari, Akiha (JPN) (2006)	time	2.11	3.29	4.38	5.43	6.47	7.52	8.58	9.66	10.76	11.88	11.88	6 / 2			
reaction time 0.143	interval		1.18	1.09	1.05	1.04	1.05	1.06	1.08	1.10	1.12		# of strides	4.38	3.14	3.24
	velocity	4.74	8.47	9.17	9.52	9.62	9.52	9.43	9.26	9.09	8.93	8.42	54.4	6.85	9.55	9.26
Sakimura, Wakana (JPN) (2005)	time	2.10	3.28	4.37	5.42	6.47	7.52	8.60	9.70	10.83	11.98	11.98	7 / 3			
reaction time 0.172	interval		1.18	1.09	1.05	1.05	1.05	1.08	1.10	1.13	1.15		# of strides	4.37	3.15	3.31
	velocity	4.76	8.47	9.17	9.52	9.52	9.52	9.26	9.09	8.85	8.70	8.35	54.2	6.86	9.52	9.06
Komatsu, Konomi (JPN) (2004)	time	2.09	3.29	4.39	5.46	6.53	7.60	8.69	9.78	10.90	12.03	12.03	4 / 4			
reaction time 0.165	interval		1.20	1.10	1.07	1.07	1.07	1.09	1.09	1.12	1.13		# of strides	4.39	3.21	3.30
	velocity	4.78	8.33	9.09	9.35	9.35	9.35	9.17	9.17	8.93	8.85	8.31	55.0	6.83	9.35	9.09
Satou, Aoi (JPN) (2004)	time	2.12	3.33	4.43	5.50	6.56	7.63	8.71	9.81	10.94	12.08	12.08	8 / 5			
reaction time 0.162	interval		1.21	1.10	1.07	1.06	1.07	1.08	1.10	1.13	1.14		# of strides	4.43	3.20	3.31
	velocity	4.72	8.26	9.09	9.35	9.43	9.35	9.26	9.09	8.85	8.77	8.28	51.7	6.77	9.38	9.06
Noumura, Runa (JPN) (2004)	time	2.05	3.24	4.34	5.41	6.48	7.56	8.66	9.77	10.92	12.08	12.08	9 / 5			
reaction time 0.128	interval		1.19	1.10	1.07	1.07	1.08	1.10	1.11	1.15	1.16		# of strides	4.34	3.22	3.36
	velocity	4.88	8.40	9.09	9.35	9.35	9.26	9.09	9.01	8.70	8.62	8.28	58.0	6.91	9.32	8.93

Yamagata, Aiha (JPN) (2005)	time	2.15	3.37	4.47	5.54	6.60	7.67	8.75	9.84	10.96	12.08	12.08	3 / 7			
reaction time 0.215	interval		1.22	1.10	1.07	1.06	1.07	1.08	1.09	1.12	1.12		# of strides	4.47	3.20	3.29
	velocity	4.65	8.20	9.09	9.35	9.43	9.35	9.26	9.17	8.93	8.93	8.28	57.0	6.71	9.38	9.12
Miyamatsu, Shiki (JPN) (2005)	time	2.13	3.33	4.44	5.52	6.59	7.67	8.78	9.90	11.05	12.22	12.22	2 / 8			
reaction time 0.153	interval		1.20	1.11	1.08	1.07	1.08	1.11	1.12	1.15	1.17		# of strides	4.44	3.23	3.38
	velocity	4.69	8.33	9.01	9.26	9.35	9.26	9.01	8.93	8.70	8.55	8.18	54.0	6.76	9.29	8.88

2022 Commonwealth Games (Birmingham, GBR)

FINAL date 03-Aug-22 wind 0.4 m/s *Longines Timing (2022) - commonwealth games race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time		3.1		5.1		7.0		8.9		10.95	10.95	4 / 1			
reaction time 0.149	interval				2.00		1.90		1.90		2.05		# of strides			
	velocity		6.45		10.00		10.53		10.53		9.76	9.13	51.0			
Alfred, Julien (LCA) (2001)	time		3.1		5.0		7.0		8.9		11.01	11.01	6 / 2			
reaction time 0.139	interval				1.90		2.00		1.90		2.11		# of strides			
	velocity		6.45		10.53		10.00		10.53		9.48	9.08	51.2			
Neita, Daryll (GBR) (1996)	time		3.1		5.1		7.1		9.0		11.07	11.07	5 / 3			
reaction time 0.148	interval				2.00		2.00		1.90		2.07		# of strides			
	velocity		6.45		10.00		10.00		10.53		9.66	9.03	47.5			
Chukwuma, Rosemary (NGR) (19	time		3.1		5.1		7.1		9.1		11.17	11.17	3 / 4			
reaction time 0.143	interval				2.00		2.00		2.00		2.07		# of strides			
	velocity		6.45		10.00		10.00		10.00		9.66	8.95	52.0			
Nwokocha, Grace (NGR) (2001)	time		3.1		5.1		7.1		9.0		11.18	11.18	8 / 5			
reaction time 0.147	interval				2.00		2.00		1.90		2.18		# of strides			
	velocity		6.45		10.00		10.00		10.53		9.17	8.94	49.0			
Hobbs, Zoe (NZL) (1997)	time		3.1		5.1		7.1		9.1		11.19	11.19	7 / 6			
reaction time 0.149	interval				2.00		2.00		2.00		2.09		# of strides			
	velocity		6.45		10.00		10.00		10.00		9.57	8.94	50.5			
Gaither, TyNia (BAH) (1993)	time		3.1		5.2		7.1		9.1		11.23	11.23	2 / 7			
reaction time 0.125	interval				2.10		1.90		2.00		2.13		# of strides			
	velocity		6.45		9.52		10.53		10.00		9.39	8.90	53.2			
Whyte, Natalliah (JAM) (1997)	time		3.1		5.2		7.2		9.2		11.32	11.32	1 / 8			
reaction time 0.154	interval				2.10		2.00		2.00		2.12		# of strides			
	velocity		6.45		9.52		10.00		10.00		9.43	8.83	49.2			

2022 World Athletics Championships (Eugene, OR)

FINAL date 18-Jul-22 wind 0.8 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	0.137	no information available									CR	10.67	6 / 1		# of strides	49.5
Jackson, Shericka (JAM) (1994)	0.134	no information available									PB	10.73	3 / 2		# of strides	47.5
Thompson-Herah, Elaine (JAM) (	0.149	no information available										10.81	4 / 3		# of strides	50.0
Asher-Smith, Dina (GBR) (1995)	0.116	no information available									=NR =PB	10.83	8 / 4		# of strides	48.5
Kambundji, Mujinga (SUI) (1992)	0.122	no information available										10.91	1 / 5		# of strides	52.0
Hobbs, Aleia (USA) (1996)	0.145	no information available										10.92	7 / 6		# of strides	50.2
Ta Lou, Marie-Josée (CIV) (1988)	0.150	no information available										10.93	5 / 7		# of strides	51.5
Jefferson, Melissa (USA) (2001)	0.136	no information available										11.03	2 / 8		# of strides	51.7

2022 Meeting de Paris (Paris, FRA)

FINAL date 18-Jun-22 wind 0.5 m/s *Omega Timing (2022) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	time		3.06		5.00		6.86		8.73		10.67	10.67	5 / 1			
reaction time 0.137	interval				1.94		1.86		1.87		1.94		# of strides			
	velocity		6.54		10.31		10.75		10.70		10.31	9.37	50.0			
Neita, Daryll (GBR) (1996)	time		3.16		5.14		7.06		8.99		10.99	10.99	7 / 2			
reaction time 0.145	interval				1.98		1.92		1.93		2.00		# of strides			
	velocity		6.33		10.10		10.42		10.36		10.00	9.10	47.5			
Ta Lou, Marie-Josée (CIV) (1988)	time		3.17		5.16		7.08		9.02		11.01	11.01	4 / 3			
reaction time 0.185	interval				1.99		1.92		1.94		1.99		# of strides			
	velocity		6.31		10.05		10.42		10.31		10.05	9.08	51.7			
Swoboda, Ewa (POL) (1997)	time		3.11		5.11		7.05		9.01		11.05	11.05	3 / 4			
reaction time 0.142	interval				2.00		1.94		1.96		2.04	PB	# of strides			
	velocity		6.43		10.00		10.31		10.20		9.80	9.05	51.2			

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

Anye, Michelle-Lee (TTO) (1992)	time	3.13	5.15	7.05	9.04	11.07	11.07	2 / 5
reaction time 0.113	interval		2.02	1.90	1.99	2.03		# of strides
	velocity	6.39	9.90	10.53	10.05	9.85	9.03	51.0
Hobbs, Zoe (NZL) (1997)	time	3.14	5.15	7.09	9.06	11.10	11.10	1 / 6
reaction time 0.156	interval		2.01	1.94	1.97	2.04		# of strides
	velocity	6.37	9.95	10.31	10.15	9.80	9.01	51.0
Bass, Gina (GAM) (1995)	time	3.19	5.22	7.19	9.18	11.24	11.24	8 / 7
reaction time 0.193	interval		2.03	1.97	1.99	2.06		# of strides
	velocity	6.27	9.85	10.15	10.05	9.71	8.90	52.2
del Ponte, Ajla (SUI) (1996)	time	3.18	5.22	7.22	9.24	11.34	11.34	6 / 8
reaction time 0.143	interval		2.04	2.00	2.02	2.10		# of strides
	velocity	6.29	9.80	10.00	9.90	9.52	8.82	50.5

2022 FBK Games (Hengelo, NED)

FINAL date 06-Jun-22 wind 0.8 m/s *Omega Timing (2022) - continental tour race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Neita, Daryll (GBR) (1996)	time		3.1		5.2		7.1		9.1		11.19	11.19	6 / 1			
reaction time 0.141	interval				2.10		1.90		2.00		2.09		# of strides			
	velocity		6.45		9.52		10.53		10.00		9.57	8.94	48.0			
Gaither, TyNia (BAH) (1993)	time		3.1		5.2		7.2		9.1		11.23	11.23	4 / 2			
reaction time 0.134	interval				2.10		2.00		1.90		2.13		# of strides			
	velocity		6.45		9.52		10.00		10.53		9.39	8.90	53.5			
Lansiquot, Imani (GBR) (1997)	time		3.2		5.2		7.2		9.2		11.26	11.26	3 / 3			
reaction time 0.120	interval				2.00		2.00		2.00		2.06		# of strides			
	velocity		6.25		10.00		10.00		10.00		9.71	8.88	47.5			
White, Kayla (USA) (1996)	time		3.1		5.1		7.1		9.2		11.31	11.31	7 / 4			
reaction time 0.119	interval				2.00		2.00		2.10		2.11		# of strides			
	velocity		6.45		10.00		10.00		9.52		9.48	8.84	49.0			
Schippers, Dafne (NED) (1992)	time		3.2		5.2		7.2		9.2		11.40	11.40	5 / 5			
reaction time 0.130	interval				2.00		2.00		2.00		2.20		# of strides			
	velocity		6.25		10.00		10.00		10.00		9.09	8.77	49.0			
Seedo, N'Ketia (NED) (2003)	time		3.2		5.2		7.2		9.3		11.48	11.48	1 / 6			
reaction time 0.145	interval				2.00		2.00		2.10		2.18		# of strides			
	velocity		6.25		10.00		10.00		9.52		9.17	8.71	53.5			
Kora, Salomé (SUI) (1994)	time		3.2		5.3		7.3		9.4		11.53	11.53	2 / 7			
reaction time 0.126	interval				2.10		2.00		2.10		2.13		# of strides			
	velocity		6.25		9.52		10.00		9.52		9.39	8.67	52.0			
van Hunenstijn, Marijie (NED) (1!	time		3.2		5.3		7.3		9.4		11.56	11.56	9 / 8			
reaction time 0.126	interval				2.10		2.00		2.10		2.16		# of strides			
	velocity		6.25		9.52		10.00		9.52		9.26	8.65	50.0			

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

FINAL date 05-Jun-22 wind 0.3 m/s *Omega Timing (2022) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time		3.12		5.10		6.98		8.88		10.83	10.83	5 / 1			
reaction time 0.158	interval				1.98		1.88		1.90		1.95		# of strides			
	velocity		6.41		10.10		10.64		10.53		10.26	9.23	51.0			
Ta Lou, Marie-Josée (CIV) (1988)	time		3.16		5.18		7.11		9.03		11.04	11.04	6 / 2			
reaction time 0.177	interval				2.02		1.93		1.92		2.01		# of strides			
	velocity		6.33		9.90		10.36		10.42		9.95	9.06	52.0			
Morrison, Natasha (JAM) (1992)	time		3.13		5.17		7.13		9.13		11.22	11.22	4 / 3			
reaction time 0.147	interval				2.04		1.96		2.00		2.09		# of strides			
	velocity		6.39		9.80		10.20		10.00		9.57	8.91	49.0			
Bazolo, Lorène Dorcas (POR) (19	time		3.25		5.31		7.30		9.32		11.42	11.42	9 / 4			
reaction time 0.168	interval				2.06		1.99		2.02		2.10		# of strides			
	velocity		6.15		9.71		10.05		9.90		9.52	8.76	51.0			
del Ponte, Ajla (SUI) (1996)	time		3.19		5.24		7.24		9.28		11.42	11.42	7 / 5			
reaction time 0.125	interval				2.05		2.00		2.04		2.14		# of strides			
	velocity		6.27		9.76		10.00		9.80		9.35	8.76	51.0			
Eddou, Hajar (MAR) (1999)	time		3.24		5.34		7.42		9.57		11.84	11.84	3 / 6			

reaction time 0.162	interval			2.10		2.08		2.15		2.27		# of strides				
	velocity		6.17	9.52		9.62		9.30		8.81	8.45	49.5				

2022 Prefontaine Classic (Eugene, OR)

FINAL date 28-May-22 wind 0.7 m/s *Omega Timing (2022) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time		3.11		5.09		6.98		8.85		10.79	10.79	6 / 1			
reaction time 0.150	interval				1.98		1.89		1.87		1.94		# of strides			
	velocity		6.43		10.10		10.58		10.70		10.31	9.27	50.5			
Richardson, Sha'Carri (USA) (20(	time		3.15		5.15		7.06		8.96		10.92	10.92	3 / 2			
reaction time 0.152	interval				2.00		1.91		1.90		1.96		# of strides			
	velocity		6.35		10.00		10.47		10.53		10.20	9.16	52.0			
Jackson, Shericka (JAM) (1994)	time		3.14		5.14		7.05		8.95		10.92	10.92	4 / 3			
reaction time 0.165	interval				2.00		1.91		1.90		1.97		# of strides			
	velocity		6.37		10.00		10.47		10.53		10.15	9.16	48.0			
Asher-Smith, Dina (GBR) (1995)	time		3.09		5.08		7.01		8.95		10.98	10.98	5 / 4			
reaction time 0.116	interval				1.99		1.93		1.94		2.03		# of strides			
	velocity		6.47		10.05		10.36		10.31		9.85	9.11	49.0			
Terry, Twanisha (USA) (1999)	time		3.13		5.14		7.06		8.99		10.98	10.98	2 / 5			
reaction time 0.135	interval				2.01		1.92		1.93		1.99		# of strides			
	velocity		6.39		9.95		10.42		10.36		10.05	9.11	52.7			
Ta Lou, Marie-Josée (CIV) (1988)	time		3.16		5.22		7.15		9.07		11.07	11.07	9 / 6			
reaction time 0.141	interval				2.06		1.93		1.92		2.00		# of strides			
	velocity		6.33		9.71		10.36		10.42		10.00	9.03	51.5			
Kambundji, Mujinga (SUI) (1992)	time		3.15		5.17		7.11		9.07		11.11	11.11	7 / 7			
reaction time 0.138	interval				2.02		1.94		1.96		2.04		# of strides			
	velocity		6.35		9.90		10.31		10.20		9.80	9.00	52.0			
Daniels, Teahna (USA) (1997)	time		3.15		5.17		7.13		9.09		11.13	11.13	8 / 8			
reaction time 0.131	interval				2.02		1.96		1.96		2.04		# of strides			
	velocity		6.35		9.90		10.20		10.20		9.80	8.98	49.0			
Williams, Briana (JAM) (2002)	time		3.12		5.14		7.09		9.08		11.20	11.20	1 / 9			
reaction time 0.154	interval				2.02		1.95		1.99		2.12		# of strides			
	velocity		6.41		9.90		10.26		10.05		9.43	8.93	51.0			

2022 Müller Birmingham Diamond League (Birmingham, GBR)

FINAL date 21-May-22 wind -0.1 m/s *Omega Timing (2022) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Asher-Smith, Dina (GBR) (1995)	time		3.11		5.12		7.08		9.07		11.11	11.11	5 / 1			
reaction time 0.144	interval				2.01		1.96		1.99		2.04		# of strides			
	velocity		6.43		9.95		10.20		10.05		9.80	9.00	49.0			
Jackson, Shericka (JAM) (1994)	time		3.13		5.17		7.13		9.11		11.12	11.12	6 / 3			
reaction time 0.154	interval				2.04		1.96		1.98		2.01		# of strides			
	velocity		6.39		9.80		10.20		10.10		9.95	8.99	49.0			
Brisco, Mikiah (USA) (1996)	time		3.16		5.19		7.14		9.10		11.14	11.14	3 / 3			
reaction time 0.125	interval				2.03		1.95		1.96		2.04		# of strides			
	velocity		6.33		9.85		10.26		10.20		9.80	8.98	48.2			
Neita, Daryll (GBR) (1996)	time		3.13		5.16		7.14		9.16		11.25	11.25	7 / 4			
reaction time 0.141	interval				2.03		1.98		2.02		2.09		# of strides			
	velocity		6.39		9.85		10.10		9.90		9.57	8.89	51.7			
Thomas, Gabrielle (USA) (1996)	time		3.18		5.26		7.26		9.25		11.31	11.31	4 / 5			
reaction time 0.160	interval				2.08		2.00		1.99		2.06		# of strides			
	velocity		6.29		9.62		10.00		10.05		9.71	8.84	47.0			
Smith-Barnett, Destiny (USA) (1!	time		3.13		5.21		7.20		9.23		11.35	11.35	1 / 6			
reaction time 0.127	interval				2.08		1.99		2.03		2.12		# of strides			
	velocity		6.39		9.62		10.05		9.85		9.43	8.81	52.5			
Sturgis, Cambrea (USA) (1999)	time		3.15		5.20		7.22		9.25		11.35	11.35	2 / 7			
reaction time 0.143	interval				2.05		2.02		2.03		2.10		# of strides			
	velocity		6.35		9.76		9.90		9.85		9.52	8.81	52.0			
Strachan, Anthonique (BAH) (19	time		3.17		5.24		7.26		9.30		11.41	11.41	9 / 8			
reaction time 0.124	interval				2.07		2.02		2.04		2.11		# of strides			

	velocity	6.31	9.66	9.90	9.80	9.48	8.76	46.0	
Del Ponte, Ajla (SUI) (1996)	time	3.24	5.36	7.44	9.55	11.72	11.72	8 / 9	
reaction time 0.138	interval		2.12	2.08	2.11	2.17		# of strides	
	velocity	6.17	9.43	9.62	9.48	9.22	8.53	51.7	

2021 Weltklasse (Zürich, SUI)

FINAL date 09-Sep-21 wind 0.6 m/s *Omega Timing (2021) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time		3.1		5.1		6.9		8.8		10.65	10.65	4 / 1			
reaction time 0.139	interval				2.00		1.80		1.90		1.85		# of strides			
	velocity		6.45		10.00		11.11		10.53		10.81	9.39	49.7			
Asher-Smith, Dina (GBR) (1995)	time		3.1		5.1		7.0		8.9		10.87	10.87	3 / 2			
reaction time 0.141	interval				2.00		1.90		1.90		1.97		# of strides			
	velocity		6.45		10.00		10.53		10.53		10.15	9.20	48.0			
Del Ponte, Ajla (SUI) (1996)	time		3.2		5.1		7.1		9.0		10.93	10.93	6 / 3			
reaction time 0.116	interval				1.90		2.00		1.90		1.93		# of strides			
	velocity		6.25		10.53		10.00		10.53		10.36	9.15	50.5			
Neita, Daryll (GBR) (1996)	time		3.2		5.2		7.1		9.0		10.93	10.93	8 / 4			
reaction time 0.117	interval				2.00		1.90		1.90		1.93	**PB**	# of strides			
	velocity		6.25		10.00		10.53		10.53		10.36	9.15	48.0			
Kambundji, Mujinga (SUI) (1992)	time		3.2		5.1		7.0		9.0		10.94	10.94	5 / 5			
reaction time 0.126	interval				1.90		1.90		2.00		1.94	**PB**	# of strides			
	velocity		6.25		10.53		10.53		10.00		10.31	9.14	52.5			
Oliver, Javianne (USA) (1994)	time		3.1		5.1		7.0		9.0		11.02	11.02	2 / 6			
reaction time 0.134	interval				2.00		1.90		2.00		2.02		# of strides			
	velocity		6.45		10.00		10.53		10.00		9.90	9.07	50.0			
Morrison, Natasha (JAM) (1992)	time		3.2		5.2		7.2		9.1		11.10	11.10	1 / 7			
reaction time 0.160	interval				2.00		2.00		1.90		2.00		# of strides			
	velocity		6.25		10.00		10.00		10.53		10.00	9.01	49.0			
Ta Lou, Marie-Josée (CIV) (1988)	time		3.2		5.2		7.2		9.1		11.22	11.22	7 / 8			
reaction time 0.157	interval				2.00		2.00		1.90		2.12		# of strides			
	velocity		6.25		10.00		10.00		10.53		9.43	8.91	50.0			

2021 Athletissima (Lausanne, SUI)

FINAL date 26-Aug-21 wind 1.7 m/s *Omega Timing (2021) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	time		3.1		5.0		6.9		8.7		10.60	10.60	4 / 1			
reaction time 0.151	interval				1.90		1.90		1.80		1.90	**PB**	# of strides			
	velocity		6.45		10.53		10.53		11.11		10.53	9.43	50.0			
Thompson-Herah, Elaine (JAM) (	time		3.2		5.1		7.0		8.8		10.64	10.64	6 / 2			
reaction time 0.154	interval				1.90		1.90		1.80		1.84		# of strides			
	velocity		6.25		10.53		10.53		11.11		10.87	9.40	48.2			
Jackson, Shericka (JAM) (1994)	time		3.2		5.2		7.1		9.0		10.92	10.92	5 / 3			
reaction time 0.190	interval				2.00		1.90		1.90		1.92		# of strides			
	velocity		6.25		10.00		10.53		10.53		10.42	9.16	51.0			
Ta Lou, Marie-Josée (CIV) (1988)	time		3.2		5.2		7.1		9.0		10.84	10.84	3 / 4			
reaction time 0.166	interval				2.00		1.90		1.90		1.84		# of strides			
	velocity		6.25		10.00		10.53		10.53		10.87	9.23	51.0			
Neita, Daryll (GBR) (1996)	time		3.2		5.2		7.1		9.0		10.96	10.96	8 / 5			
reaction time 0.137	interval				2.00		1.90		1.90		1.96	**=PB**	# of strides			
	velocity		6.25		10.00		10.53		10.53		10.20	9.12	47.7			
Del Ponte, Ajla (SUI) (1996)	time		3.2		5.2		7.1		9.0		10.97	10.97	2 / 6			
reaction time 0.129	interval				2.00		1.90		1.90		1.97		# of strides			
	velocity		6.25		10.00		10.53		10.53		10.15	9.12	49.7			
Kambundji, Mujinga (SUI) (1992)	time		3.2		5.2		7.1		9.1		11.01	11.01	7 / 7			
reaction time 0.127	interval				2.00		1.90		2.00		1.91		# of strides			
	velocity		6.25		10.00		10.53		10.00		10.47	9.08	51.7			
Burghardt, Alexandra (GER) (199	time		3.2		5.2		7.2		9.1		11.12	11.12	1 / 8			
reaction time 0.155	interval				2.00		2.00		1.90		2.02		# of strides			
	velocity		6.25		10.00		10.00		10.53		9.90	8.99	48.0			

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

B Race - Heat 2

date 26-Aug-21 wind 1.2 m/s *Omega Timing (2021) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gutschmidt, Melissa (SUI) (2002)	time		3.3		5.3		7.3		9.3		11.37	11.37	4 / 1			
reaction time 0.143	interval				2.00		2.00		2.00		2.07	PB	# of strides			
	velocity		6.06		10.00		10.00		10.00		9.66	8.80				
Huemer, Ina (AUT) (1998)	time		3.4		5.5		7.4		9.4		11.47	11.47	5 / 2			
reaction time 0.154	interval				2.10		1.90		2.00		2.07		# of strides			
	velocity		5.88		9.52		10.53		10.00		9.66	8.72				
Gloor, Michelle (SUI) (2000)	time		3.3		5.4		7.5		9.5		11.62	11.62	2 / 3			
reaction time 0.164	interval				2.10		2.10		2.00		2.12	PB	# of strides			
	velocity		6.06		9.52		9.52		10.00		9.43	8.61				
Frey, Géraldine (SUI) (1997)	time		3.3		5.4		7.4		9.5		11.64	11.64	7 / 4			
reaction time 0.163	interval				2.10		2.00		2.10		2.14		# of strides			
	velocity		6.06		9.52		10.00		9.52		9.35	8.59				
Kouni, Natacha (SUI) (2001)	time		3.3		5.4		7.5		9.6		11.71	11.71	6 / 5			
reaction time 0.171	interval				2.10		2.10		2.10		2.11		# of strides			
	velocity		6.06		9.52		9.52		9.52		9.48	8.54				

B Race - Heat 1

date 26-Aug-21 wind 2.7 m/s *Omega Timing (2021) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Visser, Nadine (NED) (1995)	time		3.3		5.2		7.2		9.1		11.11	11.11	3 / 1			
reaction time 0.146	interval				1.90		2.00		1.90		2.01		# of strides			
	velocity		6.06		10.53		10.00		10.53		9.95	9.00				
Kora, Salomé (SUI) (1994)	time		3.3		5.3		7.2		9.1		11.12	11.12	5 / 2			
reaction time 0.155	interval				2.00		1.90		1.90		2.02		# of strides			
	velocity		6.06		10.00		10.53		10.53		9.90	8.99				
Lansiquot, Imani (GBR) (1997)	time		3.3		5.3		7.2		9.2		11.19	11.19	4 / 3			
reaction time 0.149	interval				2.00		1.90		2.00		1.99		# of strides			
	velocity		6.06		10.00		10.53		10.00		10.05	8.94				
Sedney, Naomi (NED) (1994)	time		3.3		5.4		7.4		9.4		11.47	11.47	6 / 4			
reaction time 0.173	interval				2.10		2.00		2.00		2.07		# of strides			
	velocity		6.06		9.52		10.00		10.00		9.66	8.72				
Dietsche, Riccarda (SUI) (1996)	time		3.3		5.3		7.3		9.4		11.52	11.52	7 / 5			
reaction time 0.162	interval				2.00		2.00		2.10		2.12		# of strides			
	velocity		6.06		10.00		10.00		9.52		9.43	8.68				
Bisschops, Minke (NED) (2002)	time		3.3		5.4		7.4		9.4		11.52	11.52	8 / 6			
reaction time 0.139	interval				2.10		2.00		2.00		2.12		# of strides			
	velocity		6.06		9.52		10.00		10.00		9.43	8.68				
Lindner, Magdalena (AUT) (2000)	time		3.3		5.4		7.4		9.4		11.53	11.53	1 / 7			
reaction time 0.162	interval				2.10		2.00		2.00		2.13		# of strides			
	velocity		6.06		9.52		10.00		10.00		9.39	8.67				
Adamek, Klaudia (POL) (1999)	time		3.3		5.4		7.4		9.5		11.53	11.53	2 / 8			
reaction time 0.137	interval				2.10		2.00		2.10		2.03		# of strides			
	velocity		6.06		9.52		10.00		9.52		9.85	8.67				

2021 Prefontaine Classic (Eugene, OR)

FINAL

date 21-Aug-21 wind 0.9 m/s *Omega Timing (2021) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time		3.1		5.1		6.9		8.7		10.54	10.54	6 / 1			
reaction time 0.150	interval				2.00		1.80		1.80		1.84	NR PB	# of strides			
	velocity		6.45		10.00		11.11		11.11		10.87	9.49	49.5			
Fraser-Pryce, Shelly-Ann (JAM) (	time		3.1		5.1		6.9		8.8		10.74	10.73	4 / 2			
reaction time 0.137	interval				2.00		1.80		1.90		1.94		# of strides			
	velocity		6.45		10.00		11.11		10.53		10.31	9.32	50.5			
Jackson, Shericka (JAM) (1994)	time		3.1		5.1		7.0		8.9		10.76	10.76	3 / 3			
reaction time 0.150	interval				2.00		1.90		1.90		1.86	=PB	# of strides			
	velocity		6.45		10.00		10.53		10.53		10.75	9.29	48.2			
Daniels, Teahna (USA) (1997)	time		3.1		5.1		7.0		8.9		10.83	10.83	1 / 4			
reaction time 0.129	interval				2.00		1.90		1.90		1.93	PB	# of strides			
	velocity		6.45		10.00		10.53		10.53		10.36	9.23	48.0			

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

Ta Lou, Marie-Josée (CIV) (1988)	time	3.2	5.2	7.1	9.0	10.90	10.90	7 / 5	
reaction time 0.136	interval		2.00	1.90	1.90	1.90		# of strides	
	velocity	6.25	10.00	10.53	10.53	10.53	9.17	50.7	
Oliver, Javianne (USA) (1994)	time	3.1	5.1	7.0	9.0	10.96	10.96	2 / 6	
reaction time 0.147	interval		2.00	1.90	2.00	1.96	**=PB**	# of strides	
	velocity	6.45	10.00	10.53	10.00	10.20	9.12	50.0	
Kambundji, Mujinga (SUI) (1992)	time	3.2	5.2	7.1	9.0	10.96	10.96	8 / 7	
reaction time 0.143	interval		2.00	1.90	1.90	1.96		# of strides	
	velocity	6.25	10.00	10.53	10.53	10.20	9.12	51.0	
Williams, Briana (JAM) (2002)	time	3.1	5.1	7.1	9.0	11.09	11.09	9 / 8	
reaction time 0.138	interval		2.00	2.00	1.90	2.09		# of strides	
	velocity	6.45	10.00	10.00	10.53	9.57	9.02	50.0	
Richardson, Sha'Carri (USA) (20(	time	3.2	5.2	7.2	9.1	11.14	11.14	5 / 9	
reaction time 0.155	interval		2.00	2.00	1.90	2.04		# of strides	
	velocity	6.25	10.00	10.00	10.53	9.80	8.98	51.5	

2020 Olympic Games (Tokyo, JPN)

FINAL date 31-Jul-21 wind -0.6 m/s *Vazel (2021) - analyzing the olympic 100-meter sprints*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (	time			4.07			6.87		8.72		10.61	10.61	4 / 1			
reaction time 0.150	interval						2.80		3.74		1.89	**OR NR**	# of strides	4.07	2.80	
	velocity			7.37			10.71		5.35		10.58	9.43	50.0	7.37	10.71	
Fraser-Pryce, Shelly-Ann (JAM) (	time			4.05			6.86		8.76		10.74	10.74	5 / 2			
reaction time 0.139	interval						2.81		3.88		1.98		# of strides	4.05	2.81	
	velocity			7.41			10.68		5.15		10.10	9.31	50.5	7.41	10.68	
Jackson, Shericka (JAM) (1994)	time			4.09			6.94		8.83		10.76	10.76	7 / 3			
reaction time 0.152	interval						2.85		3.82		1.93	**PB**	# of strides	4.09	2.85	
	velocity			7.33			10.53		5.24		10.36	9.29	48.0	7.33	10.53	
Ta Lou, Marie-Josée (CIV) (1988)	time			4.09			6.96		8.91		10.91	10.91	6 / 4			
reaction time 0.158	interval						2.87		3.95		2.00		# of strides	4.09	2.87	
	velocity			7.33			10.45		5.06		10.00	9.17	50.2	7.33	10.45	
Del Ponte, Ajla (SUI) (1996)	time			4.14			7.04		8.99		10.97	10.97	8 / 5			
reaction time 0.129	interval						2.90		3.93		1.98		# of strides	4.14	2.90	
	velocity			7.25			10.34		5.09		10.10	9.12	49.7	7.25	10.34	
Kambundji, Mujinga (SUI) (1992)	time			4.12			7.01		8.96		10.99	10.99	9 / 6			
reaction time 0.138	interval						2.89		3.98		2.03		# of strides	4.12	2.89	
	velocity			7.28			10.38		5.03		9.85	9.10	52.7	7.28	10.38	
Daniels, Teahna (USA) (1997)	time			4.17			7.08		9.03		11.02	11.02	3 / 7			
reaction time 0.144	interval						2.91		3.94		1.99		# of strides	4.17	2.91	
	velocity			7.19			10.31		5.08		10.05	9.07	48.0	7.19	10.31	
Neita, Daryll (GBR) (1996)	time			4.20			7.11		9.10		11.12	11.12	2 / 8			
reaction time 0.108	interval						2.91		4.01		2.02		# of strides	4.20	2.91	
	velocity			7.14			10.31		4.99		9.90	8.99	48.0	7.14	10.31	

2021 Japanese High School National Championships (Fukui, JPN)

FINAL date 29-Jul-21 wind -0.2 m/s *Shibayama (2021) - national high school and U20 national championhsips*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nagaishi, Koyuki (JPN) (2003)	time	2.05	3.23	4.31	5.34	6.36	7.39	8.43	9.48	10.55	11.65	11.65	3 / 1			
reaction time 0.130	interval		1.18	1.08	1.03	1.02	1.03	1.04	1.05	1.07	1.10	**=PB**	# of strides	4.31	3.08	3.16
	velocity	4.88	8.47	9.26	9.71	9.80	9.71	9.62	9.52	9.35	9.09	8.58	47.2	6.96	9.74	9.49
Sumi, Ryoko (JPN) (2003)	time	2.06	3.23	4.30	5.34	6.36	7.40	8.44	9.51	10.61	11.73	11.73	5 / 2			
reaction time 0.140	interval		1.17	1.07	1.04	1.02	1.04	1.04	1.07	1.10	1.12		# of strides	4.30	3.10	3.21
	velocity	4.85	8.55	9.35	9.62	9.80	9.62	9.62	9.35	9.09	8.93	8.53	56.0	6.98	9.68	9.35
Kurahasi, Kiho (JPN) (2004)	time	2.12	3.32	4.41	5.46	6.49	7.52	8.56	9.61	10.68	11.76	11.76	2 / 3			
reaction time 0.143	interval		1.20	1.09	1.05	1.03	1.03	1.04	1.05	1.07	1.08	**PB**	# of strides	4.41	3.11	3.16
	velocity	4.72	8.33	9.17	9.52	9.71	9.71	9.62	9.52	9.35	9.26	8.50	49.0	6.80	9.65	9.49
Sato, Misato (JPN) (2003)	time	2.10	3.29	4.37	5.42	6.46	7.50	8.55	9.62	10.71	11.81	11.81	4 / 4			
reaction time 0.135	interval		1.19	1.08	1.05	1.04	1.04	1.05	1.07	1.09	1.10		# of strides	4.37	3.13	3.21
	velocity	4.76	8.40	9.26	9.52	9.62	9.62	9.52	9.35	9.17	9.09	8.47	53.0	6.86	9.58	9.35

Sakamoto, Minami (JPN) (2006)		time	2.04	3.24	4.33	5.39	6.44	7.49	8.56	9.63	10.72	11.83	11.83	8 / 5			
reaction time	0.147	interval		1.20	1.09	1.06	1.05	1.05	1.07	1.07	1.09	1.11	PB	# of strides	4.33	3.16	3.23
		velocity	4.90	8.33	9.17	9.43	9.52	9.52	9.35	9.35	9.17	9.01	8.45	52.2	6.93	9.49	9.29
Okuno, Yume (JPN) (2003)		time	2.11	3.31	4.40	5.46	6.50	7.54	8.59	9.66	10.75	11.85	11.85	6 / 6			
reaction time	0.139	interval		1.20	1.09	1.06	1.04	1.04	1.05	1.07	1.09	1.10		# of strides	4.40	3.14	3.21
		velocity	4.74	8.33	9.17	9.43	9.62	9.62	9.52	9.35	9.17	9.09	8.44	51.0	6.82	9.55	9.35
Satou, Aoi (JPN) (2004)		time	2.18	3.38	4.46	5.51	6.55	7.59	8.64	9.71	10.80	11.91	11.91	1 / 7			
reaction time	0.205	interval		1.20	1.08	1.05	1.04	1.04	1.05	1.07	1.09	1.11		# of strides	4.46	3.13	3.21
		velocity	4.59	8.33	9.26	9.52	9.62	9.62	9.52	9.35	9.17	9.01	8.40	51.0	6.73	9.58	9.35
Miyamoto, Saya (JPN) (2004)		time	2.13	3.34	4.45	5.52	6.59	7.66	8.74	9.84	10.96	12.10	12.10	7 / 8			
reaction time	0.128	interval		1.21	1.11	1.07	1.07	1.07	1.08	1.10	1.12	1.14		# of strides	4.45	3.21	3.30
		velocity	4.69	8.26	9.01	9.35	9.35	9.35	9.26	9.09	8.93	8.77	8.26	57.0	6.74	9.35	9.09

2021 Müller British Grand Prix (Gateshead, GBR)

FINAL

date 13-Jul-21 wind 1.5 m/s *Omega Timing (2021) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Del Ponte, Ajla (SUI) (1996)		time		3.3		5.3		7.2		9.2		11.19	11.19	5 / 1			
reaction time	0.178	interval				2.00		1.90		2.00		1.99		# of strides			
		velocity		6.06		10.00		10.53		10.00		10.05	8.94				
Bingham, Khamica (CAN) (1994)		time		3.2		5.2		7.2		9.2		11.23	11.23	6 / 2			
reaction time	0.158	interval				2.00		2.00		2.00		2.03		# of strides			
		velocity		6.25		10.00		10.00		10.00		9.85	8.90				
Emmanuel, Crystal (CAN) (1991)		time		3.2		5.3		7.3		9.3		11.36	11.36	4 / 3			
reaction time	0.177	interval				2.10		2.00		2.00		2.06		# of strides			
		velocity		6.25		9.52		10.00		10.00		9.71	8.80				
van Hunenstijn, Marije (NED) (19		time		3.3		5.4		7.4		9.4		11.41	11.41	3 / 4			
reaction time	0.166	interval				2.10		2.00		2.00		2.01		# of strides			
		velocity		6.06		9.52		10.00		10.00		9.95	8.76				
van Vliet, Leonie (NED) (1993)		time		3.4		5.5		7.5		9.6		11.66	11.62	2 / 5			
reaction time	0.215	interval				2.10		2.00		2.10		2.06		# of strides			
		velocity		5.88		9.52		10.00		9.52		9.71	8.61				
Madogo, Jacqueline (CAN) (2000		time		3.4		5.5		7.5		9.6		11.74	11.74	1 / 6			
reaction time	0.191	interval				2.10		2.00		2.10		2.14		# of strides			
		velocity		5.88		9.52		10.00		9.52		9.35	8.52				
Reinle, Cynthia (SUI) (2000)		time		3.3		5.5		7.5		9.6		11.77	11.77	7 / 7			
reaction time	0.179	interval				2.20		2.00		2.10		2.17		# of strides			
		velocity		6.06		9.09		10.00		9.52		9.22	8.50				

2021 Bauhaus Galan (Stockholm, SWE)

National FINAL

date 04-Jul-21 wind -1.3 m/s *Omega Timing (2021) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
White, Kayla (USA) (1996)		time		3.2		5.2		7.2		9.2		11.23	11.23	4 / 1			
reaction time	0.149	interval				2.00		2.00		2.00		2.03		# of strides			
		velocity		6.25		10.00		10.00		10.00		9.85	8.90	48.0			
Kora, Salomé (SUI) (1994)		time		3.2		5.3		7.3		9.3		11.31	11.31	6 / 2			
reaction time	0.137	interval				2.10		2.00		2.00		2.01		# of strides			
		velocity		6.25		9.52		10.00		10.00		9.95	8.84	51.2			
van Hunenstijn, Marije (NED) (19		time		3.3		5.4		7.3		9.3		11.32	11.32	2 / 3			
reaction time	0.160	interval				2.10		1.90		2.00		2.02		# of strides			
		velocity		6.06		9.52		10.53		10.00		9.90	8.83	49.2			
Sedney, Naomi (NED) (1994)		time		3.3		5.3		7.3		9.4		11.44	11.44	7 / 4			
reaction time	0.165	interval				2.00		2.00		2.10		2.04		# of strides			
		velocity		6.06		10.00		10.00		9.52		9.80	8.74	51.0			
Henriksson, Julia (SWE) (2000)		time		3.3		5.4		7.5		9.6		11.66	11.66	1 / 5			
reaction time	0.171	interval				2.10		2.10		2.10		2.06		# of strides			
		velocity		6.06		9.52		9.52		9.52		9.71	8.58	50.5			
Busk, Daniella (SWE) (1993)		time		3.4		5.5		7.6		9.7		11.76	11.76	8 / 6			
reaction time	0.175	interval				2.10		2.10		2.10		2.06		# of strides			
		velocity		5.88		9.52		9.52		9.52		9.71	8.50	49.5			
Anderberg, Nikki (SWE) (2002)		time		3.4		5.5		7.6		9.7		11.97	11.97	3 / 7			

reaction time	0.153	interval			2.10		2.10		2.10		2.27		# of strides		
		velocity		5.88	9.52		9.52		9.52		8.81	8.35	48.0		

2021 Shimane High School Championships (Honshu, JPN)

FINAL date 29-May-21 wind 2.3 m/s *Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
石倉　珠妃		time			4.53			7.77			11.12	12.28	12.28	3 / 1			
	reaction time	interval						3.24			3.35	1.16		# of strides	4.53	3.24	3.35
		velocity			6.62			9.26			8.96	8.62	8.14	55.0	6.62	9.26	8.96
村上　玉藻		time			4.52			7.75			11.12	12.32	12.32	5 / 2			
	reaction time	interval						3.23			3.37	1.20		# of strides	4.52	3.23	3.37
		velocity			6.64			9.29			8.90	8.33	8.12	54.3	6.64	9.29	8.90
角橋　花南		time			4.58			7.87			11.23	12.42	12.42	6 / 3			
	reaction time	interval						3.29			3.36	1.19		# of strides	4.58	3.29	3.36
		velocity			6.55			9.12			8.93	8.40	8.05	52.0	6.55	9.12	8.93
福本　智帆		time			4.57			7.87			11.27	12.49	12.49	4 / 4			
	reaction time	interval						3.30			3.40	1.22		# of strides	4.57	3.30	3.40
		velocity			6.56			9.09			8.82	8.20	8.01	54.7	6.56	9.09	8.82
持田　かのん		time			4.58			7.92			11.38	12.58	12.58	7 / 5			
	reaction time	interval						3.34			3.46	1.20		# of strides	4.58	3.34	3.46
		velocity			6.55			8.98			8.67	8.33	7.95	57.5	6.55	8.98	8.67
内部　百笑		time			4.70			8.03			11.47	12.66	12.66	8 / 6			
	reaction time	interval						3.33			3.44	1.19		# of strides	4.70	3.33	3.44
		velocity			6.38			9.01			8.72	8.40	7.90	59.5	6.38	9.01	8.72
井田　瑠杏		time			4.62			8.03			11.57	12.81	12.81	2 / 7			
	reaction time	interval						3.41			3.54	1.24		# of strides	4.62	3.41	3.54
		velocity			6.49			8.80			8.47	8.06	7.81	60.3	6.49	8.80	8.47

2021 Doha Diamond League (Doha, QAT)

FINAL date 28-May-21 wind 1.1 m/s *Omega Timing (2021) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (		time		3.1		5.1		7.0		8.9		10.84	10.84	5 / 1			
	reaction time	0.117 interval				2.00		1.90		1.90		1.94		# of strides			
		velocity		6.45		10.00		10.53		10.53		10.31	9.23	51.0			
Okagbare, Blessing (NGR) (1988)		time		3.2		5.2		7.1		9.0		10.90	10.90	3 / 2			
	reaction time	0.130 interval				2.00		1.90		1.90		1.90		# of strides			
		velocity		6.25		10.00		10.53		10.53		10.53	9.17	47.0			
Oliver, Javianne (USA) (1994)		time		3.1		5.1		7.1		9.0		11.03	11.03	6 / 3			
	reaction time	0.134 interval				2.00		2.00		1.90		2.03		# of strides			
		velocity		6.45		10.00		10.00		10.53		9.85	9.07	50.0			
Ta Lou, Marie-Josée (CIV) (1988)		time		3.2		5.2		7.1		9.1		11.12	11.12	4 / 4			
	reaction time	0.147 interval				2.00		1.90		2.00		2.02		# of strides			
		velocity		6.25		10.00		10.53		10.00		9.90	8.99	51.0			
Cunliffe, Hannah (USA) (1996)		time		3.2		5.2		7.2		9.2		11.22	11.22	7 / 5			
	reaction time	0.135 interval				2.00		2.00		2.00		2.02		# of strides			
		velocity		6.25		10.00		10.00		10.00		9.90	8.91	50.0			
Parker, Kiara (USA) (1996)		time		3.2		5.3		7.2		9.2		11.26	11.26	2 / 6			
	reaction time	0.142 interval				2.10		1.90		2.00		2.06		# of strides			
		velocity		6.25		9.52		10.53		10.00		9.71	8.88	53.2			
Del Ponte, Ajla (SUI) (1996)		time		3.2		5.3		7.3		9.3		11.36	11.36	8 / 7			
	reaction time	0.132 interval				2.10		2.00		2.00		2.06		# of strides			
		velocity		6.25		9.52		10.00		10.00		9.71	8.80	50.2			
Al-Shammari, Mudhawi (KUW) (		time		3.3		5.5		7.6		9.7		11.88	11.88	1 / 8			
	reaction time	0.177 interval				2.20		2.10		2.06		2.22	**NR PB**	# of strides			
		velocity		6.06		9.09		9.52		9.71		9.01	8.42	52.5			

2021 Müller Grand Prix (Gateshead, GBR)

Heat 1 date 23-May-21 wind -4.2 m/s *Omega Timing (2021) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Richardson, Sha'Carri (USA) (20(		time		3.0		5.1		7.1		9.2		11.53	11.53	5 / 1			
	reaction time	0.174 interval				2.10		2.00		2.10		2.33		# of strides			
		velocity		6.67		9.52		10.00		9.52		8.58	8.67	50.5			

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

Ta Lou, Marie-Josée (CIV) (1988)	time	3.0	5.0	7.1	9.2	11.58	11.58	4 / 2	
reaction time 0.147	interval		2.00	2.10	2.10	2.38		# of strides	
	velocity	6.67	10.00	9.52	9.52	8.40	8.64	49.2	
Fraser-Pryce, Shelly-Ann (JAM) (	time	2.9	5.0	7.1	9.2	11.62	11.62	6 / 3	
reaction time 0.126	interval		2.10	2.10	2.10	2.42		# of strides	
	velocity	6.90	9.52	9.52	9.52	8.26	8.61	52.5	
Oliver, Javianne (USA) (1994)	time	2.9	5.0	7.1	9.2	11.64	11.64	7 / 4	
reaction time 0.143	interval		2.10	2.10	2.10	2.44		# of strides	
	velocity	6.90	9.52	9.52	9.52	8.20	8.59	52.5	
Morrison, Natasha (JAM) (1992)	time	3.0	5.1	7.2	9.4	11.88	11.88	3 / 5	
reaction time 0.194	interval		2.10	2.10	2.20	2.48		# of strides	
	velocity	6.67	9.52	9.52	9.09	8.06	8.42	53.0	
Henry, Desiree (GBR) (1995)	time	3.0	5.2	7.3	9.5	11.95	11.95	2 / 6	
reaction time 0.135	interval		2.20	2.10	2.20	2.45		# of strides	
	velocity	6.67	9.09	9.52	9.09	8.16	8.37	51.2	
Sedney, Zoë (NED) (2001)	time	3.0	5.2	7.4	9.7	12.21	12.21	8 / 7	
reaction time 0.177	interval		2.20	2.20	2.26	2.55		# of strides	
	velocity	6.67	9.09	9.09	8.85	7.84	8.19	52.0	

2020 Japanese U20 National Championships (Hiroshima, JPN)

FINAL

date 24-Oct-20 wind -0.5 m/s *Kobayashi (2020) - national high school and U20 national championhsips*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Miura, Yuna (JPN) (2002)	time	2.07	3.28	4.38	5.44	6.49	7.53	8.59	9.66	10.76	11.90	11.90	5 / 1			
reaction time 0.128	interval		1.21	1.10	1.06	1.05	1.04	1.06	1.07	1.10	1.14		# of strides	4.38	3.15	3.23
	velocity	4.83	8.26	9.09	9.43	9.52	9.62	9.43	9.35	9.09	8.77	8.40	52.1	6.85	9.52	9.29
景山 咲穂	time	2.05	3.23	4.32	5.37	6.42	7.48	8.54	9.63	10.75	11.90	11.90	3 / 2			
reaction time 0.148	interval		1.18	1.09	1.05	1.05	1.06	1.06	1.09	1.12	1.15		# of strides	4.32	3.16	3.27
	velocity	4.88	8.47	9.17	9.52	9.52	9.43	9.43	9.17	8.93	8.70	8.40	56.3	6.94	9.49	9.17
田中 きよの	time	2.04	3.24	4.34	5.41	6.46	7.53	8.60	9.71	10.84	12.02	12.02	6 / 3			
reaction time 0.144	interval		1.20	1.10	1.07	1.05	1.07	1.07	1.11	1.13	1.18		# of strides	4.34	3.19	3.31
	velocity	4.90	8.33	9.09	9.35	9.52	9.35	9.35	9.01	8.85	8.47	8.32	51.2	6.91	9.40	9.06
	time	2.12	3.32	4.42	5.49	6.54	7.60	8.67	9.77	10.89	12.06	12.06	7 / 4			
reaction time 0.147	interval		1.20	1.10	1.07	1.05	1.06	1.07	1.10	1.12	1.17		# of strides	4.42	3.18	3.29
	velocity	4.72	8.33	9.09	9.35	9.52	9.43	9.35	9.09	8.93	8.55	8.29	53.0	6.79	9.43	9.12
	time	2.11	3.33	4.44	5.52	6.57	7.63	8.71	9.80	10.94	12.11	12.11	8 / 5			
reaction time 0.147	interval		1.22	1.11	1.08	1.05	1.06	1.08	1.09	1.14	1.17		# of strides	4.44	3.19	3.31
	velocity	4.74	8.20	9.01	9.26	9.52	9.43	9.26	9.17	8.77	8.55	8.26	51.8	6.76	9.40	9.06
井戸アビゲイル 風果	time	2.16	3.39	4.51	5.60	6.66	7.73	8.81	9.89	11.00	12.14	12.17	4 / 6			
reaction time 0.176	interval		1.23	1.12	1.09	1.06	1.07	1.08	1.08	1.11	1.14		# of strides	4.51	3.22	3.27
	velocity	4.63	8.13	8.93	9.17	9.43	9.35	9.26	9.26	9.01	8.77	8.22	50.4	6.65	9.32	9.17

2020 Japanese High School National Championships (Hiroshima, JPN)

A FINAL

date 24-Oct-20 wind 2.0 m/s *Kobayashi (2020) - national high school and U20 national championhsips*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ishikawa, Yu (JPN) (2002)	time	2.06	3.24	4.31	5.34	6.35	7.37	8.39	9.43	10.48	11.56	11.56	6 / 1			
reaction time 0.163	interval		1.18	1.07	1.03	1.01	1.02	1.02	1.04	1.05	1.08		# of strides	4.31	3.06	3.11
	velocity	4.85	8.47	9.35	9.71	9.90	9.80	9.80	9.62	9.52	9.26	8.65	51.0	6.96	9.80	9.65
Aoyama, Hanae (JPN) (2002)	time	2.05	3.23	4.32	5.36	6.39	7.42	8.47	9.53	10.61	11.71	11.71	3 / 2			
reaction time 0.164	interval		1.18	1.09	1.04	1.03	1.03	1.05	1.06	1.08	1.10		# of strides	4.32	3.10	3.19
	velocity	4.88	8.47	9.17	9.62	9.71	9.71	9.52	9.43	9.26	9.09	8.54	49.6	6.94	9.68	9.40
Ishido, Hina (JPN) (2002)	time	2.07	3.28	4.38	5.43	6.46	7.49	8.53	9.59	10.68	11.79	11.79	4 / 3			
reaction time 0.143	interval		1.21	1.10	1.05	1.03	1.03	1.04	1.06	1.09	1.11		# of strides	4.38	3.11	3.19
	velocity	4.83	8.26	9.09	9.52	9.71	9.71	9.62	9.43	9.17	9.01	8.48	52.9	6.85	9.65	9.40
角 良子	time	2.11	3.31	4.40	5.46	6.49	7.54	8.59	9.66	10.75	11.88	11.88	5 / 4			
reaction time 0.151	interval		1.20	1.09	1.06	1.03	1.05	1.05	1.07	1.09	1.13		# of strides	4.40	3.14	3.21
	velocity	4.74	8.33	9.17	9.43	9.71	9.52	9.52	9.35	9.17	8.85	8.42	56.5	6.82	9.55	9.35
鶴澤 亜里紗	time	2.06	3.26	4.37	5.44	6.50	7.56	8.62	9.70	10.80	11.92	11.92	2 / 5			
reaction time 0.138	interval		1.20	1.11	1.07	1.06	1.06	1.06	1.08	1.10	1.12		# of strides	4.37	3.19	3.24
	velocity	4.85	8.33	9.01	9.35	9.43	9.43	9.43	9.26	9.09	8.93	8.39	52.6	6.86	9.40	9.26

兼高 心愛		time	2.07	3.28	4.38	5.45	6.51	7.56	8.63	9.72	10.82	11.96	11.96	1 / 6			
	reaction time 0.147	interval		1.21	1.10	1.07	1.06	1.05	1.07	1.09	1.10	1.14		# of strides	4.38	3.18	3.26
		velocity	4.83	8.26	9.09	9.35	9.43	9.52	9.35	9.17	9.09	8.77	8.36	53.8	6.85	9.43	9.20

2020 Japanese National Championships (Niigata, JPN)

FINAL

date 02-Oct-20 wind 0.5 m/s

Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kodama, Mei (JPN) (1999)		time	2.03	3.19	4.25	5.26	6.26	7.26	8.26	9.27	10.30	11.36	11.36	4 / 1			
	reaction time 0.147	interval		1.16	1.06	1.01	1.00	1.00	1.00	1.01	1.03	1.06		# of strides	4.25	3.01	3.04
		velocity	4.93	8.62	9.43	9.90	10.00	10.00	10.00	9.90	9.71	9.43	8.80		7.06	9.97	9.87
Tsuruta, Remi (JPN) (1997)		time	2.05	3.21	4.28	5.32	6.33	7.35	8.37	9.41	10.46	11.53	11.53	5 / 2			
	reaction time 0.158	interval		1.16	1.07	1.04	1.01	1.02	1.02	1.04	1.05	1.07		# of strides	4.28	3.07	3.11
		velocity	4.88	8.62	9.35	9.62	9.90	9.80	9.80	9.62	9.52	9.35	8.67		7.01	9.77	9.65
Ishikawa, Yu (JPN) (2002)		time	2.08	3.26	4.33	5.37	6.40	7.43	8.46	9.51	10.57	11.66	11.66	6 / 3			
	reaction time 0.158	interval		1.18	1.07	1.04	1.03	1.03	1.03	1.05	1.06	1.09	PB	# of strides	4.33	3.10	3.14
		velocity	4.81	8.47	9.35	9.62	9.71	9.71	9.71	9.52	9.43	9.17	8.58		6.93	9.68	9.55
Hanae, Aoyama (JPN) (2002)		time	2.00	3.17	4.25	5.29	6.33	7.36	8.41	9.49	10.59	11.72	11.72	8 / 4			
	reaction time 0.121	interval		1.17	1.08	1.04	1.04	1.03	1.05	1.08	1.10	1.13		# of strides	4.25	3.11	3.23
		velocity	5.00	8.55	9.26	9.62	9.62	9.71	9.52	9.26	9.09	8.85	8.53		7.06	9.65	9.29
Iki, Aiko (JPN) (2000)		time	2.09	3.29	4.39	5.45	6.48	7.52	8.56	9.61	10.68	11.77	11.77	4 / 5			
	reaction time 0.171	interval		1.20	1.10	1.06	1.03	1.04	1.04	1.05	1.07	1.09		# of strides	4.39	3.13	3.16
		velocity	4.78	8.33	9.09	9.43	9.71	9.62	9.62	9.52	9.35	9.17	8.50		6.83	9.58	9.49
Adachi, Marin (JPN) (2003)		time	2.01	3.19	4.28	5.33	6.38	7.43	8.49	9.57	10.67	11.80	11.80	7 / 6			
	reaction time 0.112	interval		1.18	1.09	1.05	1.05	1.05	1.06	1.08	1.10	1.13		# of strides	4.28	3.15	3.24
		velocity	4.98	8.47	9.17	9.52	9.52	9.52	9.43	9.26	9.09	8.85	8.47		7.01	9.52	9.26
Ishido, Hina (JPN) (2002)		time	2.05	3.26	4.36	5.42	6.46	7.49	8.54	9.60	10.69	11.81	11.81	9 / 7			
	reaction time 0.141	interval		1.21	1.10	1.06	1.04	1.03	1.05	1.06	1.09	1.12		# of strides	4.36	3.13	3.20
		velocity	4.88	8.26	9.09	9.43	9.62	9.71	9.52	9.43	9.17	8.93	8.47		6.88	9.58	9.38
Yuasa, Kanako (JPN) (1997)		time	2.07	3.27	4.37	5.43	6.48	7.53	8.59	9.66	10.77	11.90	11.90	2 / 8			
	reaction time 0.148	interval		1.20	1.10	1.06	1.05	1.05	1.06	1.07	1.11	1.13		# of strides	4.37	3.16	3.24
		velocity	4.83	8.33	9.09	9.43	9.52	9.52	9.43	9.35	9.01	8.85	8.40		6.86	9.49	9.26

2020 All Japan Corporate Championships (Kumagaya, JPN)

FINAL

date 19-Sep-20 wind -0.8 m/s

Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tsuruta, Remi (JPN) (1997)		time	2.07	3.27	4.37	5.43	6.47	7.52	8.57	9.63	10.70	11.79	11.79	/ 1			
	reaction time	interval		1.20	1.10	1.06	1.04	1.05	1.05	1.06	1.07	1.09		# of strides	4.37	3.15	3.18
		velocity	4.83	8.33	9.09	9.43	9.62	9.52	9.52	9.43	9.35	9.17	8.48		6.86	9.52	9.43
Yuasa, Kanako (JPN) (1997)		time	2.06	3.26	4.35	5.41	6.46	7.51	8.57	9.64	10.73	11.85	11.85	/ 2			
	reaction time	interval		1.20	1.09	1.06	1.05	1.05	1.06	1.07	1.09	1.12		# of strides	4.35	3.16	3.22
		velocity	4.85	8.33	9.17	9.43	9.52	9.52	9.43	9.35	9.17	8.93	8.44		6.90	9.49	9.32
Terada, Asuka (JPN) (1990)		time	2.05	3.24	4.33	5.39	6.44	7.49	8.56	9.65	10.78	11.93	11.93	/ 3			
	reaction time	interval		1.19	1.09	1.06	1.05	1.05	1.07	1.09	1.13	1.15		# of strides	4.33	3.16	3.29
		velocity	4.88	8.40	9.17	9.43	9.52	9.52	9.35	9.17	8.85	8.70	8.38		6.93	9.49	9.12
Kanai, Marumi (JPN) (1997)		time	2.03	3.22	4.32	5.38	6.43	7.49	8.57	9.66	10.79	11.95	11.95	/ 4			
	reaction time	interval		1.19	1.10	1.06	1.05	1.06	1.08	1.09	1.13	1.16		# of strides	4.32	3.17	3.30
		velocity	4.93	8.40	9.09	9.43	9.52	9.43	9.26	9.17	8.85	8.62	8.37		6.94	9.46	9.09

B Final

date 19-Sep-20 wind -0.7 m/s

Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kuboyama, Haruna (JPN) (1996)		time	2.07	3.26	4.35	5.42	6.47	7.54	8.61	9.70	10.81	11.95	11.95	/ 1			
	reaction time	interval		1.19	1.09	1.07	1.05	1.07	1.07	1.09	1.11	1.14		# of strides	4.35	3.19	3.27
		velocity	4.83	8.40	9.17	9.35	9.52	9.35	9.35	9.17	9.01	8.77	8.37		6.90	9.40	9.17
Iki, Ichiko (JPN) (1997)		time	2.07	3.28	4.40	5.47	6.54	7.61	8.68	9.76	10.86	11.98	11.98	/ 2			
	reaction time	interval		1.21	1.12	1.07	1.07	1.07	1.07	1.08	1.10	1.12		# of strides	4.40	3.21	3.25
		velocity	4.83	8.26	8.93	9.35	9.35	9.35	9.35	9.26	9.09	8.93	8.35		6.82	9.35	9.23

2020 Golden Gala Pietro Mennea (Rome, ITA)

FINAL

date 17-Sep-20 wind 0.2 m/s

Omega Timing (2020) - diamond league race analysis

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson-Herah, Elaine (JAM) (		time		3.1		5.1		7.0		8.9		10.84	10.85	5 / 1			
	reaction time 0.146	interval				2.00		1.90		1.90		1.94		# of strides			
		velocity		6.45		10.00		10.53		10.53		10.31	9.22	50.7			

Hobbs, Aleia (USA) (1996)		time	3.2	5.2	7.2	9.1	11.12	11.12	4 / 2
reaction time	0.139	interval		2.00	2.00	1.90	2.02		# of strides
		velocity	6.25	10.00	10.00	10.53	9.90	8.99	50.7
Ta Lou, Marie-Josée (CIV) (1988)		time	3.2	5.2	7.1	9.1	11.14	11.14	7 / 3
reaction time	0.144	interval		2.00	1.90	2.00	2.04		# of strides
		velocity	6.25	10.00	10.53	10.00	9.80	8.98	51.5
Del Ponte, Ajla (SUI) (1996)		time	3.2	5.2	7.2	9.2	11.19	11.19	6 / 4
reaction time	0.121	interval		2.00	2.00	2.00	1.99		# of strides
		velocity	6.25	10.00	10.00	10.00	10.05	8.94	50.0
Lansiquot, Imani (GBR) (1997)		time	3.2	5.3	7.2	9.2	11.23	11.23	2 / 5
reaction time	0.143	interval		2.10	1.90	2.00	2.03		# of strides
		velocity	6.25	9.52	10.53	10.00	9.85	8.90	47.5
White, Kayla (USA) (1996)		time	3.2	5.2	7.2	9.3	11.27	11.27	3 / 6
reaction time	0.147	interval		2.00	2.00	2.10	1.97		# of strides
		velocity	6.25	10.00	10.00	9.52	10.15	8.87	48.5
Bongiorni, Anna (ITA) (1993)		time	3.2	5.3	7.2	9.3	11.38	11.38	1 / 7
reaction time	0.152	interval		2.10	1.90	2.10	2.08		# of strides
		velocity	6.25	9.52	10.53	9.52	9.62	8.79	53.0
van Hunenstijn, Marije (NED) (19		time	3.3	5.4	7.3	9.4	11.42	11.42	9 / 8
reaction time	0.149	interval		2.10	1.90	2.10	2.02		# of strides
		velocity	6.06	9.52	10.53	9.52	9.90	8.76	49.7
Strachan, Anthonique (BAH) (19		time	3.3	5.4	7.4	9.4	11.42	11.42	8 / 9
reaction time	0.167	interval		2.10	2.00	2.00	2.02		# of strides
		velocity	6.06	9.52	10.00	10.00	9.90	8.76	46.0

2020 World Athletics Trials (Fuji, JPN)

FINAL

date 06-Sep-20 wind 1.4 m/s

Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ishido, Hina (JPN) (2002)	time	2.01	3.21	4.30	5.35	6.38	7.41	8.44	9.49	10.55	11.65	11.65	/ 1			
reaction time	interval		1.20	1.09	1.05	1.03	1.03	1.03	1.05	1.06	1.10		# of strides	4.30	3.11	3.14
	velocity	4.98	8.33	9.17	9.52	9.71	9.71	9.71	9.52	9.43	9.09	8.58		6.98	9.65	9.55
Nagura, Chiaki (JPN) (1993)	time	2.01	3.22	4.32	5.38	6.42	7.47	8.52	9.59	10.69	11.83	11.83	/ 2			
reaction time	interval		1.21	1.10	1.06	1.04	1.05	1.05	1.07	1.10	1.14		# of strides	4.32	3.15	3.22
	velocity	4.98	8.26	9.09	9.43	9.62	9.52	9.52	9.35	9.09	8.77	8.45		6.94	9.52	9.32
Adachi, Marin (JPN) (2003)	time	2.06	3.26	4.35	5.40	6.45	7.49	8.55	9.62	10.72	11.84	11.84	/ 3			
reaction time	interval		1.20	1.09	1.05	1.05	1.04	1.06	1.07	1.10	1.12		# of strides	4.35	3.14	3.23
	velocity	4.85	8.33	9.17	9.52	9.52	9.62	9.43	9.35	9.09	8.93	8.45		6.90	9.55	9.29
Wada, Maki (JPN) (1986)	time	2.07	3.28	4.38	5.44	6.48	7.53	8.58	9.66	10.76	11.89	11.89	/ 4			
reaction time	interval		1.21	1.10	1.06	1.04	1.05	1.05	1.08	1.10	1.13		# of strides	4.38	3.15	3.23
	velocity	4.83	8.26	9.09	9.43	9.62	9.52	9.52	9.26	9.09	8.85	8.41		6.85	9.52	9.29

Heat 1

date 06-Sep-20 wind 1.3 m/s

Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takahashi, Asuka (JPN) (1991)	time	2.05	3.23	4.32	5.38	6.42	7.46	8.52	9.58	10.67	11.78	11.78	/ 1			
reaction time	interval		1.18	1.09	1.06	1.04	1.04	1.06	1.06	1.09	1.11		# of strides	4.32	3.14	3.21
	velocity	4.88	8.47	9.17	9.43	9.62	9.62	9.43	9.43	9.17	9.01	8.49		6.94	9.55	9.35

2020 Memorial Van Damme (Brussels, BEL)

FINAL

date 04-Sep-20 wind 0.2 m/s

Omega Timing (2020) - diamond league race analysis

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Rosius, Rani (BEL) (2000)	time		3.3		5.3		7.3		9.3		11.43	11.43	5 / 1			
reaction time	0.161 interval				2.00		2.00		2.00		2.13		# of strides			
	velocity		6.06		10.00		10.00		10.00		9.39	8.75	51.2			
Zahi, Carolle (FRA) (1994)	time		3.3		5.3		7.4		9.4		11.56	11.56	4 / 2			
reaction time	0.173 interval				2.00		2.10		2.00		2.16		# of strides			
	velocity		6.06		10.00		9.52		10.00		9.26	8.65	49.5			
Siragusa, Irene (ITA) (1993)	time		3.3		5.4		7.4		9.5		11.57	11.57	6 / 3			
reaction time	0.147 interval				2.10		2.00		2.10		2.07		# of strides			
	velocity		6.06		9.52		10.00		9.52		9.66	8.64	54.0			
Kramer, Mathilde (DEN) (1993)	time		3.3		5.4		7.4		9.5		11.58	11.58	8 / 4			
reaction time	0.137 interval				2.10		2.00		2.10		2.08		# of strides			
	velocity		6.06		9.52		10.00		9.52		9.62	8.64	48.7			

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

Tenorio, Ángela (ECU) (1996)	time	3.3	5.4	7.5	9.5	11.68	11.68	3 / 5
reaction time 0.153	interval		2.10	2.10	2.00	2.18		# of strides
	velocity	6.06	9.52	9.52	10.00	9.17	8.56	50.5
Bolingo, Cynthia (BEL) (1993)	time	3.3	5.4	7.5	9.6	11.72	11.72	7 / 6
reaction time 0.172	interval		2.10	2.10	2.10	2.12		# of strides
	velocity	6.06	9.52	9.52	9.52	9.43	8.53	51.5
Fontana, Vittoria (ITA) (2000)	time	3.3	5.5	7.5	9.6	11.74	11.74	2 / 7
reaction time 0.158	interval		2.20	2.00	2.10	2.14		# of strides
	velocity	6.06	9.09	10.00	9.52	9.35	8.52	50.7

2020 Athlete Night Games (Fukui, JPN)

FINAL date 29-Aug-20 wind 1.1 m/s *Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tsuruta, Remi (JPN) (1997)	time	2.04	3.22	4.29	5.32	6.34	7.35	8.36	9.38	10.42	11.48	11.48	/ 1			
reaction time	interval		1.18	1.07	1.03	1.02	1.01	1.01	1.02	1.04	1.06	PB	# of strides	4.29	3.06	3.07
	velocity	4.90	8.47	9.35	9.71	9.80	9.90	9.90	9.80	9.62	9.43	8.71		6.99	9.80	9.77
Iki, Aiko (JPN) (2000)	time	2.07	3.28	4.37	5.42	6.45	7.47	8.49	9.52	10.56	11.62	11.62	/ 2			
reaction time	interval		1.21	1.09	1.05	1.03	1.02	1.02	1.03	1.04	1.06	PB	# of strides	4.37	3.10	3.09
	velocity	4.83	8.26	9.17	9.52	9.71	9.80	9.80	9.71	9.62	9.43	8.61		6.86	9.68	9.71
Yuasa, Kanako (JPN) (1997)	time	2.03	3.22	4.31	5.35	6.38	7.41	8.44	9.49	10.56	11.65	11.65	/ 3			
reaction time	interval		1.19	1.09	1.04	1.03	1.03	1.03	1.05	1.07	1.09		# of strides	4.31	3.10	3.15
	velocity	4.93	8.40	9.17	9.62	9.71	9.71	9.71	9.52	9.35	9.17	8.58		6.96	9.68	9.52
Miura, Yuna (JPN) (2002)	time	2.06	3.25	4.33	5.38	6.40	7.43	8.46	9.51	10.57	11.67	11.67	/ 4			
reaction time	interval		1.19	1.08	1.05	1.02	1.03	1.03	1.05	1.06	1.10		# of strides	4.33	3.10	3.14
	velocity	4.85	8.40	9.26	9.52	9.80	9.71	9.71	9.52	9.43	9.09	8.57		6.93	9.68	9.55
Iki, Ichiko (JPN) (1997)	time	2.04	3.23	4.33	5.38	6.42	7.46	8.51	9.57	10.66	11.77	11.77	/ 5			
reaction time	interval		1.19	1.10	1.05	1.04	1.04	1.05	1.06	1.09	1.11		# of strides	4.33	3.13	3.20
	velocity	4.90	8.40	9.09	9.52	9.62	9.62	9.52	9.43	9.17	9.01	8.50		6.93	9.58	9.38

2020 Bauhaus Galan (Stockholm, SWE)

FINAL date 23-Aug-20 wind 1.3 m/s *Omega Timing (2020) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Del Ponte, Ajla (SUI) (1996)	time		3.3		5.3		7.2		9.2		11.20	11.20	5 / 1			
reaction time 0.150	interval				2.00		1.90		2.00		2.00		# of strides			
	velocity		6.06		10.00		10.53		10.00		10.00	8.93	50.2			
van Hunenstijn, Marije (NED) (19	time		3.3		5.3		7.3		9.3		11.28	11.28	8 / 2			
reaction time 0.154	interval				2.00		2.00		2.00		1.98		# of strides			
	velocity		6.06		10.00		10.00		10.00		10.10	8.87	48.5			
Ta Lou, Marie Josée (CIV) (1988)	time		3.2		5.3		7.2		9.2		11.32	11.32	4 / 3			
reaction time 0.150	interval				2.10		1.90		2.00		2.12		# of strides			
	velocity		6.25		9.52		10.53		10.00		9.43	8.83	52.0			
Haase, Rebekka (GER) (1993)	time		3.3		5.4		7.3		9.3		11.32	11.32	3 / 4			
reaction time 0.141	interval				2.10		1.90		2.00		2.02		# of strides			
	velocity		6.06		9.52		10.53		10.00		9.90	8.83	50.2			
Lückenkemper, Gina (GER) (1996	time		3.3		5.3		7.3		9.3		11.33	11.33	7 / 5			
reaction time 0.202	interval				2.00		2.00		2.00		2.03		# of strides			
	velocity		6.06		10.00		10.00		10.00		9.85	8.83	50.2			
Zahi, Carolle (FRA) (1994)	time		3.2		5.3		7.2		9.3		11.34	11.34	6 / 6			
reaction time 0.158	interval				2.10		1.90		2.10		2.04		# of strides			
	velocity		6.25		9.52		10.53		9.52		9.80	8.82	49.0			
Lalova-Collio, Ivet (BUL) (1984)	time		3.3		5.4		7.4		9.4		11.49	11.49	2 / 7			
reaction time 0.148	interval				2.10		2.00		2.00		2.09		# of strides			
	velocity		6.06		9.52		10.00		10.00		9.57	8.70	51.0			
Sowe, Fatou (GAM) (1993)	time		3.3		5.3		7.4		9.4		11.53	11.53	1 / 8			
reaction time 0.140	interval				2.00		2.10		2.00		2.13	PB	# of strides			
	velocity		6.06		10.00		9.52		10.00		9.39	8.67	50.5			

2020 Seiko Golden Grand Prix (Tokyo, JPN)

FINAL date 23-Aug-20 wind -0.9 m/s *Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kodama, Mei (JPN) (1999)	time	2.03	3.22	4.31	5.35	6.37	7.40	8.43	9.47	10.53	11.62	11.62	9 / 1			

reaction time 0.131	interval		1.19	1.09	1.04	1.02	1.03	1.03	1.04	1.06	1.09	PB	# of strides	4.31	3.09	3.13
	velocity	4.93	8.40	9.17	9.62	9.80	9.71	9.71	9.62	9.43	9.17	8.61		6.96	9.71	9.58
Tsuruta, Remi (JPN) (1997)	time	2.05	3.24	4.34	5.39	6.44	7.48	8.52	9.58	10.64	11.72	11.72	2 / 2			
reaction time 0.162	interval		1.19	1.10	1.05	1.05	1.04	1.04	1.06	1.06	1.08		# of strides	4.34	3.14	3.16
	velocity	4.88	8.40	9.09	9.52	9.52	9.62	9.62	9.43	9.43	9.26	8.53		6.91	9.55	9.49
Ishido, Hina (JPN) (2002)	time	2.02	3.22	4.32	5.38	6.43	7.48	8.54	9.62	10.72	11.86	11.86	8 / 3			
reaction time 0.125	interval		1.20	1.10	1.06	1.05	1.05	1.06	1.08	1.10	1.14		# of strides	4.32	3.16	3.24
	velocity	4.95	8.33	9.09	9.43	9.52	9.52	9.43	9.26	9.09	8.77	8.43		6.94	9.49	9.26
Yuasa, Kanako (JPN) (1997)	time	2.05	3.26	4.36	5.43	6.49	7.54	8.61	9.70	10.81	11.95	11.95	7 / 4			
reaction time 0.144	interval		1.21	1.10	1.07	1.06	1.05	1.07	1.09	1.11	1.14		# of strides	4.36	3.18	3.27
	velocity	4.88	8.26	9.09	9.35	9.43	9.52	9.35	9.17	9.01	8.77	8.37		6.88	9.43	9.17
Aoyama, Hanae (JPN) (2002)	time	2.06	3.25	4.34	5.41	6.46	7.53	8.60	9.70	10.82	11.97	11.97	4 / 5			
reaction time 0.158	interval		1.19	1.09	1.07	1.05	1.07	1.07	1.10	1.12	1.15		# of strides	4.34	3.19	3.29
	velocity	4.85	8.40	9.17	9.35	9.52	9.35	9.35	9.09	8.93	8.70	8.35		6.91	9.40	9.12
Kageyama, Sakiho (JPN) (2002)	time	2.05	3.24	4.34	5.42	6.49	7.56	8.64	9.74	10.86	11.99	11.99	3 / 6			
reaction time 0.150	interval		1.19	1.10	1.08	1.07	1.07	1.08	1.10	1.12	1.13		# of strides	4.34	3.22	3.30
	velocity	4.88	8.40	9.09	9.26	9.35	9.35	9.26	9.09	8.93	8.85	8.34		6.91	9.32	9.09
Mikase, Midori (JPN) (2001)	time	2.06	3.27	4.37	5.43	6.49	7.55	8.63	9.73	10.85	12.01	12.01	5 / 7			
reaction time 0.148	interval		1.21	1.10	1.06	1.06	1.06	1.08	1.10	1.12	1.16		# of strides	4.37	3.18	3.30
	velocity	4.85	8.26	9.09	9.43	9.43	9.43	9.26	9.09	8.93	8.62	8.33		6.86	9.43	9.09
Sagi, Mayako (JPN) (2003)	time	2.12	3.33	4.44	5.52	6.59	7.65	8.73	9.82	10.94	12.07	12.07	1 / 8			
reaction time 0.194	interval		1.21	1.11	1.08	1.07	1.06	1.08	1.09	1.12	1.13		# of strides	4.44	3.21	3.29
	velocity	4.72	8.26	9.01	9.26	9.35	9.43	9.26	9.17	8.93	8.85	8.29		6.76	9.35	9.12

2020 Shimane High School Championships (Honshu, JPN)

FINAL date 11-Jul-20 wind 2.1 m/s

Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
森山 凛	time			4.38			7.65			11.05	12.28	12.28	4 / 1			
reaction time	interval						3.27			3.40	1.23		# of strides	4.38	3.27	3.40
	velocity			6.85			9.17			8.82	8.13	8.14	54.7	6.85	9.17	8.82
持田 かのん	time			4.52			7.82			11.20	12.39	12.39	6 / 2			
reaction time	interval						3.30			3.38	1.19		# of strides	4.52	3.30	3.38
	velocity			6.64			9.09			8.88	8.40	8.07	59.0	6.64	9.09	8.88
内部 百笑	time			4.60			7.95			11.37	12.59	12.59	7 / 3			
reaction time	interval						3.35			3.42	1.22		# of strides	4.60	3.35	3.42
	velocity			6.52			8.96			8.77	8.20	7.94	60.0	6.52	8.96	8.77
金子 継	time			4.62			7.95			11.42	12.67	12.67	5 / 4			
reaction time	interval						3.33			3.47	1.25		# of strides	4.62	3.33	3.47
	velocity			6.49			9.01			8.65	8.00	7.89	56.0	6.49	9.01	8.65
村上 玉藻	time			4.55			7.88			11.45	12.73	12.73	9 / 5			
reaction time	interval						3.33			3.57	1.28		# of strides	4.55	3.33	3.57
	velocity			6.59			9.01			8.40	7.81	7.86	55.3	6.59	9.01	8.40
藤原 珠稀	time			4.57			7.97			11.50	12.76	12.76	8 / 6			
reaction time	interval						3.40			3.53	1.26		# of strides	4.57	3.40	3.53
	velocity			6.56			8.82			8.50	7.94	7.84	56.0	6.56	8.82	8.50
榊原 そら	time			4.70			8.23			11.88	13.17	13.17	3 / 7			
reaction time	interval						3.53			3.65	1.29		# of strides	4.70	3.53	3.65
	velocity			6.38			8.50			8.22	7.75	7.59	55.0	6.38	8.50	8.22

2020 Millrose Games (New York, NY)

FINAL date 08-Feb-20

PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Oliver, Javianne (USA) (1994)	time	2.13	3.21	4.21	5.20	6.16	7.13	7.13	2 / 1			
reaction time 0.203	interval		1.08	1.00	0.99	0.96	0.97		# of strides	4.21	2.92	
	velocity	4.69	9.26	10.00	10.10	10.42	10.31	8.42	32.0	7.13	10.27	
Akinosun, Morolake (USA) (1994)	time	2.16	3.24	4.45			7.16	7.16	3 / 2			
reaction time 0.191	interval		1.08	1.21			2.71		# of strides	4.45	2.71	
	velocity	4.63	9.26	8.26			11.07	8.38	34.0	6.74	11.07	
Williams, Brianna (JAM) (2002)	time	2.15	3.23	4.23	5.23	6.21	7.18	7.18	6 / 3			
reaction time 0.176	interval		1.08	1.00	1.00	0.98	0.97	NJR PB	# of strides	4.23	2.95	

		velocity	4.65	9.26	10.00	10.00	10.20	10.31				8.36	31.7	7.09	10.17	
Daniels, Teahna (USA) (1997)		time	2.17	3.26	4.30	5.29	6.29	7.29				7.29	4 / 4			
reaction time	0.162	interval		1.09	1.04	0.99	1.00	1.00					# of strides	4.30	2.99	
		velocity	4.61	9.17	9.62	10.10	10.00	10.00				8.23	31.2	6.98	10.03	
Cunliffe, Hannah (USA) (1996)		time	2.17	3.27	4.29	5.33	6.32	7.30				7.30	7 / 5			
reaction time	0.147	interval		1.10	1.02	1.04	0.99	0.98					# of strides	4.29	3.01	
		velocity	4.61	9.09	9.80	9.62	10.10	10.20				8.22	31.0	6.99	9.97	
Felix, Allyson (USA) (1985)		time	2.20	3.33	4.32	5.33	6.25	7.32				7.32	5 / 6			
reaction time	0.170	interval		1.13	0.99	1.01	0.92	1.07					# of strides	4.32	3.00	
		velocity	4.55	8.85	10.10	9.90	10.87	9.35				8.20	31.0	6.94	10.00	
Pinto, Tatjana (GER) (1992)		time	2.21	3.30	4.35	5.35	6.35	7.33				7.33	1 / 7			
reaction time	0.193	interval		1.09	1.05	1.00	1.00	0.98					# of strides	4.35	2.98	
		velocity	4.52	9.17	9.52	10.00	10.00	10.20				8.19	20.5	6.90	10.07	
Williamson, Trudy Ann (JAM) (1!		time	2.10	3.22	4.26	5.30	6.32	7.37				7.37	8 / 8			
reaction time	0.135	interval		1.12	1.04	1.04	1.02	1.05				**=PB**	# of strides	4.26	3.11	
		velocity	4.76	8.93	9.62	9.62	9.80	9.52				8.14	32.2	7.04	9.65	

U20 FINAL

date 08-Feb-20

PrimeTime Timing (2020) - http://results.nyrrmillrosegames.org/

			10m	20m	30m	40m	50m	60m				Official Time	Lane / Place	0-30m	30-60m	60-90m
Jackson, Shawnti (USA)		time	2.21	3.33	4.36	5.38	6.40	7.40				7.40	5 / 1			
reaction time		interval		1.12	1.03	1.02	1.02	1.00					# of strides	4.36	3.04	
		velocity	4.52	8.93	9.71	9.80	9.80	10.00				8.11		6.88	9.87	
Abinusawa, Moforehan (USA) (2!		time	2.24	3.33	4.38	5.39	6.41	7.43				7.43	4 / 2			
reaction time		interval		1.09	1.05	1.01	1.02	3.05					# of strides	4.38	3.05	
		velocity	4.46	9.17	9.52	9.90	9.80	9.84				8.08		6.85	9.84	
Perrow, Victoria (USA) (2003)		time	2.23	3.38	4.44	5.52	6.57	7.60				7.60	6 / 3			
reaction time		interval		1.15	1.06	1.08	1.05	1.03				**=PB**	# of strides	4.44	3.16	
		velocity	4.48	8.70	9.43	9.26	9.52	9.71				7.89		6.76	9.49	
Jones, Soniya (ANT) (2002)		time	2.23	3.39	4.48	5.54	6.59	7.60				7.60	8 / 4			
reaction time		interval		1.16	1.09	1.06	1.05	1.01				**PB**	# of strides	4.48	3.12	
		velocity	4.48	8.62	9.17	9.43	9.52	9.90				7.89		6.70	9.62	
Waller, Hannah (USA) (2001)		time	2.23	3.38	4.46	5.53	6.59	7.63				7.63	7 / 5			
reaction time		interval		1.15	1.08	1.07	1.06	1.04					# of strides	4.46	3.17	
		velocity	4.48	8.70	9.26	9.35	9.43	9.62				7.86		6.73	9.46	
Pierre, Jada (USA) (2002)		time	2.32	3.50	4.61	5.67	6.77	7.79				7.79	1 / 6			
reaction time		interval		1.18	1.11	1.06	1.10	1.02					# of strides	4.61	3.18	
		velocity	4.31	8.47	9.01	9.43	9.09	9.80				7.70		6.51	9.43	
Kenner, Jada (USA) (2006)		time	2.34	3.52	4.60	5.66	6.78	7.90				7.90	3 / 7			
reaction time		interval		1.18	1.08	1.06	1.12	1.12					# of strides	4.60	3.30	
		velocity	4.27	8.47	9.26	9.43	8.93	8.93				7.59		6.52	9.09	
Hammond, Janeya (USA)		time	2.30	3.51	4.61	5.72	6.84	7.97				7.97	2 / 8			
reaction time		interval		1.21	1.10	1.11	1.12	1.13					# of strides	4.61	3.36	
		velocity	4.35	8.26	9.09	9.01	8.93	8.85				7.53		6.51	8.93	

2019 National Sports Festival (Hitachinaka, JPN)

FINAL

date 05-Oct-19 wind 1.1 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Yuasa, Kanako (JPN) (1997)		time			4.29		6.36					11.62	11.62	5 / 1			
reaction time	0.148	interval					2.07					5.26		# of strides	4.29		
		velocity			6.99		3.14					9.51	8.61	54.2	6.99		
Saito, Ami (JPN) (1999)		time			4.31		6.38					11.64	11.64	6 / 2			
reaction time	0.145	interval					2.07					5.26		# of strides	4.31		
		velocity			6.96		3.13					9.51	8.59	53.5	6.96		
Doi, Anna (JPN) (1995)		time			4.31		6.38					11.74	11.74	4 / 3			
reaction time	0.156	interval					2.07					5.36		# of strides	4.31		
		velocity			6.96		3.13					9.33	8.52	53.2	6.96		
Takeuchi, Masaya (JPN) (1998)		time			4.31		6.38					11.79	11.79	7 / 4			
reaction time	0.169	interval					2.07					5.41		# of strides	4.31		
		velocity			6.96		3.13					9.24	8.48	52.0	6.96		
Terai, Miho (JPN) (1993)		time			4.35		6.47					11.91	11.91	3 / 5			

	reaction time	0.163	interval				2.12				5.44		# of strides	4.35		
			velocity			6.90	3.09				9.19	8.40	53.0	6.90		
Nagura, Chiaki (JPN) (1993)			time			4.30	6.43				11.94	11.94	2 / 6			
	reaction time	0.127	interval				2.13				5.51		# of strides	4.30		
			velocity			6.98	3.11				9.07	8.38	54.7	6.98		
Tanagiya, Tomomi (JPN) (1999)			time			4.44	6.56				11.95	11.95	8 / 7			
	reaction time	0.173	interval				2.12				5.39		# of strides	4.44		
			velocity			6.76	3.05				9.28	8.37	55.2	6.76		
Wada, Maki (JPN) (1986)			time			4.39	6.53				11.96	11.96	9 / 8			
	reaction time	0.159	interval				2.14				5.43		# of strides	4.39		
			velocity			6.83	3.06				9.21	8.36	53.5	6.83		

U20 FINAL

date 04-Oct-19 wind -1.5 m/s *Enomoto (2019) - research on athlete performance and technique- 2019 data book*

				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Aoyama, Kae (JPN) (2002)			time			4.35		6.47					11.96	11.96	5 / 1			
	reaction time	0.159	interval					2.12					5.49		# of strides	4.35		
			velocity			6.90		3.09					9.11	8.36	51.2	6.90		
Saku, Kageyama (JPN) (2002)			time			4.35		6.53					12.01	12.01	4 / 2			
	reaction time	0.155	interval					2.18					5.48		# of strides	4.35		
			velocity			6.90		3.06					9.12	8.33	55.0	6.90		
Ishido, Hina (JPN) (2003)			time			4.39		6.54					12.03	12.03	8 / 3			
	reaction time	0.150	interval					2.15					5.49		# of strides	4.39		
			velocity			6.83		3.06					9.11	8.31	53.0	6.83		
Kanami, Mimura (JPN) (2001)			time			4.45		6.59					12.05	12.05	7 / 4			
	reaction time	0.196	interval					2.14					5.46		# of strides	4.45		
			velocity			6.74		3.03					9.16	8.30	53.7	6.74		
Kato, Anna (JPN) (2002)			time			4.40		6.54					12.08	12.08	6 / 5			
	reaction time	0.143	interval					2.14					5.54		# of strides	4.40		
			velocity			6.82		3.06					9.03	8.28	54.2	6.82		
Sagi, Mayako (JPN) (2003)			time			4.47		6.62					12.12	12.12	9 / 6			
	reaction time	0.176	interval					2.15					5.50		# of strides	4.47		
			velocity			6.71		3.02					9.09	8.25	52.2	6.71		
Adachi, Yuha (JPN) (2002)			time			4.41		6.59					12.15	12.15	3 / 7			
	reaction time	0.162	interval					2.18					5.56		# of strides	4.41		
			velocity			6.80		3.03					8.99	8.23	54.0	6.80		
Idoabigeiru, Fuka (JPN) (2001)			time			4.48		6.68					12.20	12.20	2 / 8			
	reaction time	0.163	interval					2.20					5.52		# of strides	4.48		
			velocity			6.70		2.99					9.06	8.20	51.0	6.70		

U18 FINAL

date 04-Oct-19 wind -1.8 m/s *Enomoto (2019) - research on athlete performance and technique- 2019 data book*

				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Uchiyama, Kyoka (JPN) (2003)			time			4.43		6.63					12.12	12.12	5 / 1			
	reaction time	0.162	interval					2.20					5.49		# of strides	4.43		
			velocity			6.77		3.02					9.11	8.25	53.2	6.77		
Nauru, Hassan (JPN) (2004)			time			4.51		6.70					12.16	12.16	7 / 2			
	reaction time	0.188	interval					2.19					5.46		# of strides	4.51		
			velocity			6.65		2.99					9.16	8.22	49.2	6.65		
Sakai, Hinami (JPN) (2004)			time			4.45		6.64					12.22	12.22	4 / 3			
	reaction time	0.153	interval					2.19					5.58		# of strides	4.45		
			velocity			6.74		3.01					8.96	8.18	51.7	6.74		
Kurahashi, Miho (JPN) (2004)			time			4.50		6.68					12.28	12.28	2 / 4			
	reaction time	0.159	interval					2.18					5.60		# of strides	4.50		
			velocity			6.67		2.99					8.93	8.14	55.0	6.67		
Nagaishi, Koyuki (JPN) (2003)			time			4.51		6.75					12.34	12.34	3 / 5			
	reaction time	0.158	interval					2.24					5.59		# of strides	4.51		
			velocity			6.65		2.96					8.94	8.10	54.0	6.65		
Shinai, Kanetaka (JPN) (2003)			time			4.55		6.80					12.44	12.44	6 / 6			
	reaction time	0.185	interval					2.25					5.64		# of strides	4.55		
			velocity			6.59		2.94					8.87	8.04	49.0	6.59		
Yamakoshi, Riko (JPN) (2004)			time			4.58		6.83					12.49	12.49	9 / 7			

reaction time	0.191	interval				2.25				5.66		# of strides	4.58		
		velocity		6.55		2.93				8.83	8.01	54.2	6.55		
Chiori, Narita (JPN) (2003)		time		4.53		6.77				12.52	12.52	8 / 8			
reaction time	0.166	interval				2.24				5.75		# of strides	4.53		
		velocity		6.62		2.95				8.70	7.99	55.0	6.62		

2019 IAAF World Championships (Doha, QAT)

FINAL date 29-Sep-19 wind 0.1 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (		time	1.92	3.02	4.01	4.96	5.89	6.82	7.75	8.70	9.69	10.71	10.71	6 / 1			
reaction time	0.134	interval		1.10	0.99	0.95	0.93	0.93	0.93	0.95	0.99	1.02		# of strides	4.01	2.81	2.87
		velocity	5.21	9.09	10.10	10.53	10.75	10.75	10.75	10.53	10.10	9.80	9.34	50.7	7.48	10.68	10.45
Asher-Smith, Dina (GBR) (1995)		time	1.95	3.05	4.06	5.02	5.97	6.91	7.86	8.83	9.82	10.83	10.83	7 / 2			
reaction time	0.129	interval		1.10	1.01	0.96	0.95	0.94	0.95	0.97	0.99	1.01	**NR PB**	# of strides	4.06	2.85	2.91
		velocity	5.13	9.09	9.90	10.42	10.53	10.64	10.53	10.31	10.10	9.90	9.23	48.7	7.39	10.53	10.31
Ta Lou, Marie-Josée (CIV) (1988)		time	1.96	3.08	4.09	5.05	6.01	6.96	7.91	8.88	9.88	10.90	10.90	4 / 3			
reaction time	0.171	interval		1.12	1.01	0.96	0.96	0.95	0.95	0.97	1.00	1.02		# of strides	4.09	2.87	2.92
		velocity	5.10	8.93	9.90	10.42	10.42	10.53	10.53	10.31	10.00	9.80	9.17	52.5	7.33	10.45	10.27
Thompson, Elaine (JAM) (1992)		time	1.99	3.11	4.12	5.08	6.03	6.97	7.92	8.89	9.89	10.93	10.93	5 / 4			
reaction time	0.143	interval		1.12	1.01	0.96	0.95	0.94	0.95	0.97	1.00	1.04		# of strides	4.12	2.85	2.92
		velocity	5.03	8.93	9.90	10.42	10.53	10.64	10.53	10.31	10.00	9.62	9.15	50.2	7.28	10.53	10.27
Ahouré, Murielle (CIV) (1987)		0.142	no information available										11.02	8 / 5		# of strides	50.7
Smith, Jonielle (JAM) (1996)		0.117	no information available										11.06	9 / 6		# of strides	48.2
Daniels, Teahna (USA) (19997)		0.156	no information available										11.19	3 / 7		# of strides	48.7

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

FINAL date 09-Sep-19 wind -0.8 m/s *European Athletics (2019) - race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Neita, Daryll (GBR) (1996)		time					6.23					11.29	11.29	7 / 1			
reaction time	0.148	interval										5.06		# of strides			
		velocity					8.03					9.88	8.86	49.0			
Bryant, Dezerea (USA) (1993)		time					6.29					11.30	11.30	4 / 2			
reaction time	0.171	interval										5.01		# of strides			
		velocity					7.95					9.98	8.85	53.7			
Akinosun, Morolake (USA) (1994)		time					6.47					11.39	11.39	8 / 3			
reaction time	0.174	interval										4.92		# of strides			
		velocity					7.73					10.16	8.78	53.7			
Lansiquot, Imani (GBR) (1997)		time					6.43					11.49	11.49	5 / 4			
reaction time	0.160	interval										5.06		# of strides			
		velocity					7.78					9.88	8.70	48.2			
Henderson, Ashley (USA) (1995)		time					6.48					11.53	11.53	2 / 5			
reaction time	0.138	interval										5.05		# of strides			
		velocity					7.72					9.90	8.67	51.0			
Smith, Caitland (USA) (1996)		time					6.41					11.59	11.59	6 / 6			
reaction time	0.181	interval										5.18		# of strides			
		velocity					7.80					9.65	8.63	51.5			
Sedney, Naomi (NED) (1994)		time					6.70					11.77	11.77	9 / 7			
reaction time	0.215	interval										5.07		# of strides			
		velocity					7.46					9.86	8.50	52.2			
Sevilla, Paula (ESP) (1997)		time					6.58					11.82	11.82	3 / 8			
reaction time	0.196	interval										5.24		# of strides			
		velocity					7.60					9.54	8.46	53.5			

2019 Memorial van Damme (Brussels, BEL)

FINAL date 06-Sep-19 wind -0.3 m/s *Omega Timing (2019) - diamond league race analysis*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Asher-Smith, Dina (GBR) (1995)		time		3.1		5.1		7.0		8.9		10.88	10.88	4 / 1			
reaction time	0.120	interval				2.0		1.9		1.9		1.98		# of strides			
		velocity		6.45		10.00		10.53		10.53		10.10	9.19	49.2			
Fraser-Pryce, Shelly-Ann (JAM) (		time		3.1		5.1		7.0		8.9		10.95	10.95	5 / 2			
reaction time	0.134	interval				2.0		1.9		1.9		2.05		# of strides			
		velocity		6.45		10.00		10.53		10.53		9.76	9.13	51.0			

Ta Lou, Marie-Josée (CIV) (1988)	time	3.2	5.2	7.1	9.1	11.09	11.09	6 / 3
reaction time 0.146	interval		2.0	1.9	2.0	1.99		# of strides
	velocity	6.25	10.00	10.53	10.00	10.05	9.02	52.5
Schippers, Dafne (NED) (1992)	time	3.3	5.3	7.2	9.2	11.22	11.22	3 / 4
reaction time 0.155	interval		2.0	1.9	2.0	2.02		# of strides
	velocity	6.06	10.00	10.53	10.00	9.90	8.91	48.0
Okagbare, Blessing (NGR) (1988)	time	3.3	5.3	7.3	9.2	11.24	11.24	7 / 5
reaction time 0.153	interval		2.0	2.0	1.9	2.04		# of strides
	velocity	6.06	10.00	10.00	10.53	9.80	8.90	47.7
Hobbs, Aleia (USA) (1996)	time	3.2	5.2	7.2	9.2	11.29	11.29	2 / 6
reaction time 0.159	interval		2.0	2.0	2.0	2.09		# of strides
	velocity	6.25	10.00	10.00	10.00	9.57	8.86	51.5
Emmanuel, Crystal (CAN) (1991)	time	3.2	5.2	7.3	9.3	11.38	11.38	1 / 7
reaction time 0.154	interval		2.0	2.1	2.0	2.08		# of strides
	velocity	6.25	10.00	9.52	10.00	9.62	8.79	51.2
Lückenkemper, Gina (GER) (1996	time	3.4	5.4	7.4	9.4	11.45	11.45	8 / 8
reaction time 0.208	interval		2.0	2.0	2.0	2.05		# of strides
	velocity	5.88	10.00	10.00	10.00	9.76	8.73	50.0

2019 Meeting de Paris (Paris, FRA)

FINAL date 24-Aug-19 wind -0.2 m/s *Omega Timing (2019) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson, Elaine (JAM) (1992)	time					6.1					10.98	10.98	4 / 1			
reaction time 0.123	interval										4.88		# of strides			
	velocity					8.20					10.25	9.11	51.0			
Ta Lou, Marie-Josée (CIV) (1988)	time					6.2					11.13	11.13	5 / 2			
reaction time 0.172	interval										4.93		# of strides			
	velocity					8.06					10.14	8.98	52.5			
Schippers, Dafne (NED) (1992)	time					6.3					11.15	11.15	6 / 3			
reaction time 0.160	interval										4.85		# of strides			
	velocity					7.94					10.31	8.97	48.0			
Daniels, Teahna (USA) (1997)	time					6.2					11.16	11.16	3 / 4			
reaction time 0.158	interval										4.96		# of strides			
	velocity					8.06					10.08	8.96	48.0			
Hobbs, Aleia (USA) (1996)	time					6.2					11.16	11.16	7 / 5			
reaction time 0.186	interval										4.96		# of strides			
	velocity					8.06					10.08	8.96	51.0			
Smith, Jonielle (JAM) (1996)	time					6.2					11.17	11.17	1 / 6			
reaction time 0.146	interval										4.97		# of strides			
	velocity					8.06					10.06	8.95	49.0			
Zahi, Carolle (FRA) (1994)	time					6.2					11.25	11.25	2 / 7			
reaction time 0.159	interval										5.05		# of strides			
	velocity					8.06					9.90	8.89	48.2			
Whyte, Natalliah (JAM) (1997)	time					6.2					11.25	11.25	8 / 8			
reaction time 0.137	interval										5.05		# of strides			
	velocity					8.06					9.90	8.89	48.5			

2019 Müller Grand Prix (Birmingham, GBR)

FINAL date 18-Aug-19 wind -0.9 m/s *Omega Timing (2019) - diamond league race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Pinto, Tatjana (GER) (1992)	time		3.2		5.2		7.2		9.2		11.15	11.15	6 / 1			
reaction time 0.145	interval				2.0		2.0		2.0		1.95		# of strides			
	velocity		6.25		10.00		10.00		10.00		10.26	8.97	48.7			
Bryant, Dezerea (USA) (1993)	time		3.2		5.2		7.2		9.2		11.21	11.21	4 / 2			
reaction time 0.155	interval				2.0		2.0		2.0		2.01		# of strides			
	velocity		6.25		10.00		10.00		10.00		9.95	8.92	54.0			
Daniels, Teahna (USA) (1997)	time		3.2		5.2		7.2		9.2		11.24	11.24	5 / 3			
reaction time 0.132	interval				2.0		2.0		2.0		2.04		# of strides			
	velocity		6.25		10.00		10.00		10.00		9.80	8.90	48.0			

Mihalinec, Maja (SLO) (1989)	time	3.3	5.4	7.3	9.3	11.36	11.36	8 / 4
reaction time 0.139	interval		2.1	1.9	2.0	2.06		# of strides
	velocity	6.06	9.52	10.53	10.00	9.71	8.80	51.0
Smith, Jonielle (JAM) (1996)	time	3.2	5.3	7.3	9.3	11.37	11.37	7 / 5
reaction time 0.140	interval		2.1	2.0	2.0	2.07		# of strides
	velocity	6.25	9.52	10.00	10.00	9.66	8.80	49.5
Miller, Rachel (GBR) (1990)	time	3.2	5.3	7.3	9.4	11.42	11.42	3 / 6
reaction time 0.143	interval		2.1	2.0	2.1	2.02	PB	# of strides
	velocity	6.25	9.52	10.00	9.52	9.90	8.76	54.0
Baptiste, Kimbely (GBR) (1992)	time	3.4	5.5	7.5	9.6	11.71	11.71	9 / 7
reaction time 0.139	interval		2.1	2.0	2.1	2.11		# of strides
	velocity	5.88	9.52	10.00	9.52	9.48	8.54	50.5
Williams, Bianca (GBR) (1993)	time	3.4	5.5	7.5	9.6	11.77	11.77	2 / 8
reaction time 0.164	interval		2.1	2.0	2.1	2.17		# of strides
	velocity	5.88	9.52	10.00	9.52	9.22	8.50	53.0

2019 Japanese National High School Championships (Okinawa, JPN)

FINAL date 05-Aug-19 wind -0.1 m/s *Kota (2019) - 72nd high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mikase, Midori (JPN) (2001)	time	2.03	3.19	4.25	5.28	6.29	7.31	8.34	9.38	10.43	11.51	11.51	4 / 1			
reaction time	interval		1.16	1.06	1.03	1.01	1.02	1.03	1.04	1.05	1.08		# of strides	4.25	3.06	3.12
	velocity	4.93	8.62	9.43	9.71	9.90	9.80	9.71	9.62	9.52	9.26	8.69	52.2	7.06	9.80	9.62
Ishido, Hina (JPN) (2002)	time	2.02	3.18	4.25	5.29	6.31	7.33	8.36	9.41	10.47	11.56	11.56	3 / 2			
reaction time	interval		1.16	1.07	1.04	1.02	1.02	1.03	1.05	1.06	1.09	PB	# of strides	4.25	3.08	3.14
	velocity	4.95	8.62	9.35	9.62	9.80	9.80	9.71	9.52	9.43	9.17	8.65	52.2	7.06	9.74	9.55
Miura, Yuna (JPN) (2002)	time	2.10	3.26	4.32	5.35	6.37	7.40	8.44	9.49	10.56	11.65	11.65	5 / 3			
reaction time	interval		1.16	1.06	1.03	1.02	1.03	1.04	1.05	1.07	1.09		# of strides	4.32	3.08	3.16
	velocity	4.76	8.62	9.43	9.71	9.80	9.71	9.62	9.52	9.35	9.17	8.58	51.0	6.94	9.74	9.49
Kageyama, Sakiho (JPN) (2002)	time	2.02	3.19	4.26	5.31	6.34	7.38	8.43	9.50	10.58	11.69	11.69	6 / 4			
reaction time	interval		1.17	1.07	1.05	1.03	1.04	1.05	1.07	1.08	1.11	PB	# of strides	4.26	3.12	3.20
	velocity	4.95	8.55	9.35	9.52	9.71	9.62	9.52	9.35	9.26	9.01	8.55	52.2	7.04	9.62	9.38
Aoyama, Kae (JPN) (2002)	time	2.08	3.23	4.30	5.34	6.38	7.43	8.48	9.55	10.63	11.73	11.73	2 / 5			
reaction time	interval		1.15	1.07	1.04	1.04	1.05	1.05	1.07	1.08	1.10		# of strides	4.30	3.13	3.20
	velocity	4.81	8.70	9.35	9.62	9.62	9.52	9.52	9.35	9.26	9.09	8.53	50.0	6.98	9.58	9.38
Fuka Ido, Abbygail (JPN) (2001)	time	2.05	3.24	4.33	5.38	6.42	7.46	8.51	9.58	10.67	11.78	11.78	1 / 6			
reaction time	interval		1.19	1.09	1.05	1.04	1.04	1.05	1.07	1.09	1.11	PB	# of strides	4.33	3.13	3.21
	velocity	4.88	8.40	9.17	9.52	9.62	9.62	9.52	9.35	9.17	9.01	8.49	49.7	6.93	9.58	9.35
Suzuki, Kurumi (JPN) (2001)	time	2.12	3.29	4.36	5.40	6.44	7.48	8.53	9.60	10.68	11.79	11.79	8 / 7			
reaction time	interval		1.17	1.07	1.04	1.04	1.04	1.05	1.07	1.08	1.11		# of strides	4.36	3.12	3.20
	velocity	4.72	8.55	9.35	9.62	9.62	9.62	9.52	9.35	9.26	9.01	8.48	50.0	6.88	9.62	9.38
Sagi, Mayako (JPN) (2003)	time	2.08	3.26	4.35	5.40	6.45	7.49	8.55	9.62	10.71	11.82	11.82	7 / 8			
reaction time	interval		1.18	1.09	1.05	1.05	1.04	1.06	1.07	1.09	1.11	PB	# of strides	4.35	3.14	3.22
	velocity	4.81	8.47	9.17	9.52	9.52	9.62	9.43	9.35	9.17	9.01	8.46	51.7	6.90	9.55	9.32

2019 Chinese World Championships Trials (Shenyang, CHN)

FINAL date 02-Aug-19 wind -1.2 m/s *Jiang (2019) - data analysis of women's sprint finals in the world championships trials*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Liang Xiaojing (CHN) (1997)	time	2.05	3.17	4.21	5.22	6.20	7.19	8.19	9.20	10.22	11.27	11.27	4 / 1			
reaction time	interval		1.12	1.04	1.01	0.98	0.99	1.00	1.01	1.02	1.05		# of strides	4.21	2.98	3.03
	velocity	4.88	8.93	9.62	9.90	10.20	10.10	10.00	9.90	9.80	9.52	8.87		7.13	10.07	9.90
Wei Yongli (CHN) (1991)	time	2.08	3.19	4.24	5.25	6.24	7.23	8.24	9.26	10.31	11.38	11.38	5 / 2			
reaction time	interval		1.11	1.05	1.01	0.99	0.99	1.01	1.02	1.05	1.07		# of strides	4.24	2.99	3.08
	velocity	4.81	9.01	9.52	9.90	10.10	10.10	9.90	9.80	9.52	9.35	8.79		7.08	10.03	9.74
Ge Manqi (CHN) (1997)	time	2.08	3.20	4.27	5.30	6.31	7.32	8.34	9.37	10.41	11.49	11.49	6 / 3			
reaction time	interval		1.12	1.07	1.03	1.01	1.01	1.02	1.03	1.04	1.08		# of strides	4.27	3.05	3.09
	velocity	4.81	8.93	9.35	9.71	9.90	9.90	9.80	9.71	9.62	9.26	8.70		7.03	9.84	9.71
Yuan Qiqi (CHN) (1995)	time	2.11	3.25	4.32	5.35	6.36	7.38	8.41	9.45	10.50	11.57	11.57	3 / 4			
reaction time	interval		1.14	1.07	1.03	1.01	1.02	1.03	1.04	1.05	1.07		# of strides	4.32	3.06	3.12
	velocity	4.74	8.77	9.35	9.71	9.90	9.80	9.71	9.62	9.52	9.35	8.64		6.94	9.80	9.62
Huang Guifen (CHN) (1997)	time	2.10	3.27	4.35	5.40	6.42	7.44	8.46	9.50	10.56	11.65	11.65	7 / 5			

reaction time	interval		1.17	1.08	1.05	1.02	1.02	1.02	1.04	1.06	1.09		# of strides	4.35	3.09	3.12
	velocity	4.76	8.55	9.26	9.52	9.80	9.80	9.80	9.62	9.43	9.17	8.58		6.90	9.71	9.62
Zhang Man (CHN) (1997)	time	2.08	3.53	4.39	5.41	6.44	7.47	8.51	9.55	10.61	11.68	11.68	8 / 6			
reaction time	interval		1.45	0.86	1.02	1.03	1.03	1.04	1.04	1.06	1.07		# of strides	4.39	3.08	3.14
	velocity	4.81	6.90	11.63	9.80	9.71	9.71	9.62	9.62	9.43	9.35	8.56		6.83	9.74	9.55
Li He (CHN) (2001)	time	2.11	3.28	4.37	5.42	6.45	7.49	8.54	9.60	10.67	11.77	11.77	1 / 7			
reaction time	interval		1.17	1.09	1.05	1.03	1.04	1.05	1.06	1.07	1.10		# of strides	4.37	3.12	3.18
	velocity	4.74	8.55	9.17	9.52	9.71	9.62	9.52	9.43	9.35	9.09	8.50		6.86	9.62	9.43
Zhu Cuiwei (CHN) (2000)	time	2.14	3.33	4.46	5.54	6.61	7.67	8.72	9.78	10.84	11.93	11.93	2 / 8			
reaction time	interval		1.19	1.13	1.08	1.07	1.06	1.05	1.06	1.06	1.09		# of strides	4.46	3.21	3.17
	velocity	4.67	8.40	8.85	9.26	9.35	9.43	9.52	9.43	9.43	9.17	8.38		6.73	9.35	9.46

2019 Japanese National Championships (Fukuoka, JPN)

FINAL date 28-Jun-19 wind 0.6 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mikase, Midori (JPN) (2001)		time	2.00	3.18	4.25	5.29	6.31	7.34	8.39	9.45	10.54	11.67	11.67	5 / 1			
reaction time	0.140	interval		1.18	1.07	1.04	1.02	1.03	1.05	1.06	1.09	1.13		# of strides	4.25	3.09	3.20
		velocity	5.00	8.47	9.35	9.62	9.80	9.71	9.52	9.43	9.17	8.85	8.57	53.4	7.06	9.71	9.38
Doi, Anna (JPN) (1995)		time	2.02	3.19	4.26	5.30	6.32	7.35	8.40	9.47	10.58	11.72	11.72	6 / 2			
reaction time	0.131	interval		1.17	1.07	1.04	1.02	1.03	1.05	1.07	1.11	1.14		# of strides	4.26	3.09	3.23
		velocity	4.95	8.55	9.35	9.62	9.80	9.71	9.52	9.35	9.01	8.77	8.53	54.4	7.04	9.71	9.29
Aoyama Kae (JPN) (2002)		time	2.04	3.20	4.28	5.32	6.35	7.39	8.44	9.51	10.61	11.73	11.73	3 / 3			
reaction time	0.160	interval		1.16	1.08	1.04	1.03	1.04	1.05	1.07	1.10	1.12		# of strides	4.28	3.11	3.22
		velocity	4.90	8.62	9.26	9.62	9.71	9.62	9.52	9.35	9.09	8.93	8.53	50.9	7.01	9.65	9.32
Kodama, Mei (JPN) (1999)		time	2.07	3.26	4.35	5.40	6.43	7.47	8.51	9.57	10.64	11.74	11.74	8 / 4			
reaction time	0.148	interval		1.19	1.09	1.05	1.03	1.04	1.04	1.06	1.07	1.10	PB	# of strides	4.35	3.12	3.17
		velocity	4.83	8.40	9.17	9.52	9.71	9.62	9.62	9.43	9.35	9.09	8.52	51.7	6.90	9.62	9.46

2019 Fuse Sprint (Tottori, JPN)

FINAL date 02-Jun-19 wind -2.2 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)		time	1.99	3.15	4.22	5.25	6.27	7.29	8.32	9.37	10.45	11.55	11.55	5 / 1			
reaction time	0.118	interval		1.16	1.07	1.03	1.02	1.02	1.03	1.05	1.08	1.10		# of strides	4.22	3.07	3.16
		velocity	5.03	8.62	9.35	9.71	9.80	9.80	9.71	9.52	9.26	9.09	8.66	54.6	7.11	9.77	9.49
Wada, Maki (JPN) (1986)		time	1.99	3.17	4.24	5.28	6.31	7.34	8.38	9.44	10.52	11.63	11.63	4 / 2			
reaction time	0.132	interval		1.18	1.07	1.04	1.03	1.03	1.04	1.06	1.08	1.11		# of strides	4.24	3.10	3.18
		velocity	5.03	8.47	9.35	9.62	9.71	9.71	9.62	9.43	9.26	9.01	8.60	53.4	7.08	9.68	9.43
Miyake, Naoka (JPN) (1991)		time	2.06	3.24	4.31	5.35	6.38	7.41	8.45	9.51	10.58	11.68	11.68	7 / 3			
reaction time	0.130	interval		1.18	1.07	1.04	1.03	1.03	1.04	1.06	1.07	1.10		# of strides	4.31	3.10	3.17
		velocity	4.85	8.47	9.35	9.62	9.71	9.71	9.62	9.43	9.35	9.09	8.56	51.8	6.96	9.68	9.46
Seko, Nodoka (JPN) (1991)		time	2.04	3.24	4.33	5.39	6.44	7.49	8.55	9.64	10.75	11.90	11.90	6 / 6			
reaction time	0.137	interval		1.20	1.09	1.06	1.05	1.05	1.06	1.09	1.11	1.15		# of strides	4.33	3.16	3.26
		velocity	4.90	8.33	9.17	9.43	9.52	9.52	9.43	9.17	9.01	8.70	8.40	54.6	6.93	9.49	9.20

2019 Shimane High School Championships (Honshu, JPN)

FINAL date 25-May-19 wind 2.9 m/s *Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
森山 凜	time			4.50			7.79			11.13	12.34	12.34	4 / 1			
reaction time	interval						3.29			3.34	1.21		# of strides	4.50	3.29	3.34
	velocity			6.67			9.12			8.98	8.26	8.10	53.7	6.67	9.12	8.98
荒木 桃	time			4.63			7.97			11.37	12.56	12.56	7 / 2			
reaction time	interval						3.34			3.40	1.19		# of strides	4.63	3.34	3.40
	velocity			6.48			8.98			8.82	8.40	7.96	59.5	6.48	8.98	8.82
持田 かのん	time			4.63			7.99			11.43	12.64	12.64	6 / 3			
reaction time	interval						3.36			3.44	1.21		# of strides	4.63	3.36	3.44
	velocity			6.48			8.93			8.72	8.26	7.91	58.5	6.48	8.93	8.72
日野 彩夏	time			4.67			8.09			11.53	12.77	12.77	5 / 4			
reaction time	interval						3.42			3.44	1.24		# of strides	4.67	3.42	3.44
	velocity			6.42			8.77			8.72	8.06	7.83	54.3	6.42	8.77	8.72
井口 彩実	time			4.60			8.00			11.50	12.79	12.79	9 / 5			
reaction time	interval						3.40			3.50	1.29		# of strides	4.60	3.40	3.50
	velocity			6.52			8.82			8.57	7.75	7.82	55.0	6.52	8.82	8.57

端本 千夏		time		4.70		8.20		11.70	12.95	12.95	8 / 6			
	reaction time	interval				3.50		3.50	1.25		# of strides	4.70	3.50	3.50
		velocity		6.38		8.57		8.57	8.00	7.72	56.7	6.38	8.57	8.57
藤原 珠稀		time		4.73		8.20		11.77	13.01	13.01	3 / 7			
	reaction time	interval				3.47		3.57	1.24		# of strides	4.73	3.47	3.57
		velocity		6.34		8.65		8.40	8.06	7.69	56.7	6.34	8.65	8.40
角橋 花南		time		4.83		8.37		12.03	13.30	13.30	2 / 8			
	reaction time	interval				3.54		3.66	1.27		# of strides	4.83	3.54	3.66
		velocity		6.21		8.47		8.20	7.87	7.52	53.5	6.21	8.47	8.20

2019 Seiko Golden Grand Prix (Osaka, JPN)

FINAL date 19-May-19 wind -2.2 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)		time	2.00	3.17	4.25	5.29	6.33	7.38	8.43	9.50	10.60	11.72	11.72	4 / 5			
	reaction time 0.130	interval		1.17	1.08	1.04	1.04	1.05	1.05	1.07	1.10	1.12		# of strides	4.25	3.13	3.22
		velocity	5.00	8.55	9.26	9.62	9.62	9.52	9.52	9.35	9.09	8.93	8.53	55.0	7.06	9.58	9.32
Ichikawa, Kana (JPN) (1991)		time	2.07	3.27	4.38	5.46	6.52	7.58	8.65	9.73	10.82	11.94	11.94	3 / 6			
	reaction time 0.157	interval		1.20	1.11	1.08	1.06	1.06	1.07	1.08	1.09	1.12		# of strides	4.38	3.20	3.24
		velocity	4.83	8.33	9.01	9.26	9.43	9.43	9.35	9.26	9.17	8.93	8.38	51.0	6.85	9.38	9.26
Seko, Nodoka (JPN) (1991)		time	2.03	3.23	4.34	5.41	6.47	7.54	8.62	9.72	10.83	11.98	11.98	6 / 7			
	reaction time 0.151	interval		1.20	1.11	1.07	1.06	1.07	1.08	1.10	1.11	1.15		# of strides	4.34	3.20	3.29
		velocity	4.93	8.33	9.01	9.35	9.43	9.35	9.26	9.09	9.01	8.70	8.35	54.7	6.91	9.38	9.12
Iki, Ichiko (JPN) (1997)		time	2.08	3.30	4.42	5.50	6.58	7.66	8.75	9.85	10.97	12.12	12.12	9 / 8			
	reaction time 0.174	interval		1.22	1.12	1.08	1.08	1.08	1.09	1.10	1.12	1.15		# of strides	4.42	3.24	3.31
		velocity	4.81	8.20	8.93	9.26	9.26	9.26	9.17	9.09	8.93	8.70	8.25	53.2	6.79	9.26	9.06

2019 Mikio Oda Memorial (Hiroshima, JPN)

FINAL date 28-Apr-19 wind 1.9 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mikase, Midori (JPN) (2001)		time	2.03	3.21	4.28	5.31	6.33	7.34	8.37	9.41	10.46	11.54	11.54	5 / 2			
	reaction time	interval		1.18	1.07	1.03	1.02	1.01	1.03	1.04	1.05	1.08		# of strides	4.28	3.06	3.12
		velocity	4.93	8.47	9.35	9.71	9.80	9.90	9.71	9.62	9.52	9.26	8.67	52.7	7.01	9.80	9.62
Doi, Anna (JPN) (1995)		time	2.04	3.22	4.29	5.31	6.33	7.35	8.38	9.43	10.52	11.64	11.64	4 / 3			
	reaction time	interval		1.18	1.07	1.02	1.02	1.02	1.03	1.05	1.09	1.12		# of strides	4.29	3.06	3.17
		velocity	4.90	8.47	9.35	9.80	9.80	9.80	9.71	9.52	9.17	8.93	8.59	54.2	6.99	9.80	9.46
Ichikawa, Kana (JPN) (1991)		time	2.10	3.30	4.40	5.45	6.49	7.52	8.56	9.60	10.66	11.74	11.74	7 / 4			
	reaction time	interval		1.20	1.10	1.05	1.04	1.03	1.04	1.04	1.06	1.08		# of strides	4.40	3.12	3.14
		velocity	4.76	8.33	9.09	9.52	9.62	9.71	9.62	9.62	9.43	9.26	8.52	50.0	6.82	9.62	9.55
Seko, Nodoka (JPN) (1991)		time	2.08	3.27	4.36	5.42	6.47	7.51	8.57	9.63	10.72	11.83	11.83	1 / 6			
	reaction time	interval		1.19	1.09	1.06	1.05	1.04	1.06	1.06	1.09	1.11		# of strides	4.36	3.15	3.21
		velocity	4.81	8.40	9.17	9.43	9.52	9.62	9.43	9.43	9.17	9.01	8.45	54.5	6.88	9.52	9.35

2018 National Sports Festival (Fukui, JPN)

FINAL date 06-Oct-18 wind -2.8 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seko, Nodoka (JPN) (1991)		time	2.01	3.26	4.41	5.52	6.62	7.72	8.82	9.94	11.07	12.21	12.21	3 / 1			
	reaction time 0.113	interval		1.25	1.15	1.11	1.10	1.10	1.10	1.12	1.13	1.14		# of strides	4.41	3.31	3.35
		velocity	4.98	8.00	8.70	9.01	9.09	9.09	9.09	8.93	8.85	8.77	8.19	56.1	6.80	9.06	8.96
Kuboyama, Hana (JPN)		time	2.08	3.33	4.47	5.58	6.67	7.76	8.86	9.97	11.10	12.24	12.24	7 / 2			
	reaction time 0.133	interval		1.25	1.14	1.11	1.09	1.09	1.10	1.11	1.13	1.14		# of strides	4.47	3.29	3.34
		velocity	4.81	8.00	8.77	9.01	9.17	9.17	9.09	9.01	8.85	8.77	8.17	54.5	6.71	9.12	8.98
Hirosawa, Mae (JPN) (1997)		time	2.08	3.33	4.48	5.60	6.70	7.79	8.90	10.01	11.14	12.28	12.28	5 / 3			
	reaction time 0.146	interval		1.25	1.15	1.12	1.10	1.09	1.11	1.11	1.13	1.14		# of strides	4.48	3.31	3.35
		velocity	4.81	8.00	8.70	8.93	9.09	9.17	9.01	9.01	8.85	8.77	8.14	51.3	6.70	9.06	8.96
Yamanaka, Hina (JPN)		time	2.07	3.33	4.48	5.59	6.69	7.78	8.88	9.99	11.12	12.28	12.28	2 / 4			
	reaction time 0.161	interval		1.26	1.15	1.11	1.10	1.09	1.10	1.11	1.13	1.16		# of strides	4.48	3.30	3.34
		velocity	4.83	7.94	8.70	9.01	9.09	9.17	9.09	9.01	8.85	8.62	8.14	55.8	6.70	9.09	8.98
Miyake, Naoka (JPN) (1991)		time	2.13	3.39	4.54	5.65	6.74	7.83	8.93	10.04	11.16	12.30	12.30	4 / 5			
	reaction time 0.160	interval		1.26	1.15	1.11	1.09	1.09	1.10	1.11	1.12	1.14		# of strides	4.54	3.29	3.33
		velocity	4.69	7.94	8.70	9.01	9.17	9.17	9.09	9.01	8.93	8.77	8.13	53.0	6.61	9.12	9.01
Saito, Ami (JPN) (1999)		time	2.11	3.38	4.55	5.68	6.79	7.90	9.01	10.13	11.26	12.40	12.40	8 / 6			

reaction time 0.160	interval		1.27	1.17	1.13	1.11	1.11	1.11	1.12	1.13	1.14		# of strides	4.55	3.35	3.36
	velocity	4.74	7.87	8.55	8.85	9.01	9.01	9.01	8.93	8.85	8.77	8.06	56.8	6.59	8.96	8.93
Wada, Maki (JPN) (1986)	time	2.08	3.34	4.51	5.63	6.75	7.86	8.98	10.11	11.26	12.43	12.43	6 / 7			
reaction time 0.156	interval		1.26	1.17	1.12	1.12	1.11	1.12	1.13	1.15	1.17		# of strides	4.51	3.35	3.40
	velocity	4.81	7.94	8.55	8.93	8.93	9.01	8.93	8.85	8.70	8.55	8.05	55.1	6.65	8.96	8.82
Adachi, Sayaka (JPN) (1996)	time	2.15	3.45	4.63	5.76	6.88	7.98	9.08	10.20	11.32	12.46	12.46	1 / 8			
reaction time 0.148	interval		1.30	1.18	1.13	1.12	1.10	1.10	1.12	1.12	1.14		# of strides	4.63	3.35	3.34
	velocity	4.65	7.69	8.47	8.85	8.93	9.09	9.09	8.93	8.93	8.77	8.03	56.0	6.48	8.96	8.98

U20 FINAL

date 05-Oct-18 wind -0.1 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Miura, Yuna (JPN) (2002)	time	2.06	3.27	4.37	5.43	6.48	7.52	8.57	9.64	10.72	11.83	11.83	5 / 1			
reaction time 0.150	interval		1.21	1.10	1.06	1.05	1.04	1.05	1.07	1.08	1.11	PB	# of strides	4.37	3.15	3.20
	velocity	4.85	8.26	9.09	9.43	9.52	9.62	9.52	9.35	9.26	9.01	8.45	51.5	6.86	9.52	9.38
Takahashi, Mayu (JPN) (2000)	time	2.03	3.23	4.33	5.39	6.44	7.50	8.56	9.63	10.73	11.86	11.86	7 / 2			
reaction time 0.132	interval		1.20	1.10	1.06	1.05	1.06	1.06	1.07	1.10	1.13		# of strides	4.33	3.17	3.23
	velocity	4.93	8.33	9.09	9.43	9.52	9.43	9.43	9.35	9.09	8.85	8.43	55.0	6.93	9.46	9.29
Aono, Akari (JPN) (2000)	time	2.09	3.31	4.43	5.49	6.54	7.58	8.63	9.69	10.77	11.88	11.88	6 / 3			
reaction time 0.141	interval		1.22	1.12	1.06	1.05	1.04	1.05	1.06	1.08	1.11		# of strides	4.43	3.15	3.19
	velocity	4.78	8.20	8.93	9.43	9.52	9.62	9.52	9.43	9.26	9.01	8.42	55.0	6.77	9.52	9.40
Mikase, Midori (JPN) (2001)	time	2.01	3.22	4.32	5.39	6.44	7.49	8.56	9.64	10.75	11.89	11.89	8 / 4			
reaction time 0.128	interval		1.21	1.10	1.07	1.05	1.05	1.07	1.08	1.11	1.14		# of strides	4.32	3.17	3.26
	velocity	4.98	8.26	9.09	9.35	9.52	9.52	9.35	9.26	9.01	8.77	8.41	54.2	6.94	9.46	9.20
Kanami, Mimura (JPN) (2001)	time	2.11	3.31	4.42	5.49	6.54	7.59	8.65	9.72	10.80	11.91	11.91	4 / 5			
reaction time 0.194	interval		1.20	1.11	1.07	1.05	1.05	1.06	1.07	1.08	1.11		# of strides	4.42	3.17	3.21
	velocity	4.74	8.33	9.01	9.35	9.52	9.52	9.43	9.35	9.26	9.01	8.40	53.0	6.79	9.46	9.35

2018 Japanese Corporate Championships (Osaka, JPN)

FINAL

date 23-Sep-18 wind -0.1 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seko, Nodoka (JPN) (1991)	time	1.98	3.15	4.23	5.28	6.32	7.36	8.41	9.47	10.56	11.66	11.66	4 / 1			
reaction time 0.112	interval		1.17	1.08	1.05	1.04	1.04	1.05	1.06	1.09	1.10		# of strides	4.23	3.13	3.20
	velocity	5.05	8.55	9.26	9.52	9.62	9.62	9.52	9.43	9.17	9.09	8.58	54.9	7.09	9.58	9.38
Ichikawa, Kana (JPN) (1991)	time	2.04	3.23	4.32	5.38	6.41	7.45	8.49	9.55	10.62	11.72	11.72	9 / 2			
reaction time 0.124	interval		1.19	1.09	1.06	1.03	1.04	1.04	1.06	1.07	1.10		# of strides	4.32	3.13	3.17
	velocity	4.90	8.40	9.17	9.43	9.71	9.62	9.62	9.43	9.35	9.09	8.53	49.6	6.94	9.58	9.46
Miyake, Naoka (JPN) (1991)	time	2.06	3.24	4.33	5.38	6.43	7.47	8.52	9.59	10.68	11.80	11.80	5 / 3			
reaction time 0.137	interval		1.18	1.09	1.05	1.05	1.04	1.05	1.07	1.09	1.12		# of strides	4.33	3.14	3.21
	velocity	4.85	8.47	9.17	9.52	9.52	9.62	9.52	9.35	9.17	8.93	8.47	51.5	6.93	9.55	9.35
Masumi, Aoki (JPN) (1994)	time	2.01	3.21	4.32	5.39	6.45	7.51	8.58	9.66	10.76	11.89	11.89	2 / 4			
reaction time 0.129	interval		1.20	1.11	1.07	1.06	1.06	1.07	1.08	1.10	1.13		# of strides	4.32	3.19	3.25
	velocity	4.98	8.33	9.01	9.35	9.43	9.43	9.35	9.26	9.09	8.85	8.41	52.3	6.94	9.40	9.23
Wada, Maki (JPN) (1986)	time	2.01	3.21	4.31	5.38	6.43	7.49	8.56	9.65	10.76	11.90	11.90	7 / 5			
reaction time 0.138	interval		1.20	1.10	1.07	1.05	1.06	1.07	1.09	1.11	1.14		# of strides	4.31	3.18	3.27
	velocity	4.98	8.33	9.09	9.35	9.52	9.43	9.35	9.17	9.01	8.77	8.40	53.6	6.96	9.43	9.17
Matsumoto, Sayako (JPN) (1995)	time	2.03	3.21	4.31	5.37	6.43	7.49	8.57	9.67	10.79	11.94	11.94	6 / 6			
reaction time 0.120	interval		1.18	1.10	1.06	1.06	1.06	1.08	1.10	1.12	1.15		# of strides	4.31	3.18	3.30
	velocity	4.93	8.47	9.09	9.43	9.43	9.43	9.26	9.09	8.93	8.70	8.38	53.0	6.96	9.43	9.09
Fujisawa, Sayaka (JPN) (1991)	time	2.11	3.32	4.42	5.49	6.55	7.61	8.68	9.76	10.86	11.98	11.98	3 / 7			
reaction time 0.150	interval		1.21	1.10	1.07	1.06	1.06	1.07	1.08	1.10	1.12		# of strides	4.42	3.19	3.25
	velocity	4.74	8.26	9.09	9.35	9.43	9.43	9.35	9.26	9.09	8.93	8.35	52.6	6.79	9.40	9.23
Terai, Miho (JPN) (1993)	time	2.02	3.22	4.32	5.39	6.45	7.52	8.60	9.71	10.85	12.02	12.02	8 / 8			
reaction time 0.116	interval		1.20	1.10	1.07	1.06	1.07	1.08	1.11	1.14	1.17		# of strides	4.32	3.20	3.33
	velocity	4.95	8.33	9.09	9.35	9.43	9.35	9.26	9.01	8.77	8.55	8.32	53.3	6.94	9.38	9.01

2018 Asian Games (Jakarta, INA)

FINAL

date 26-Aug-18 wind 0.3 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Odiong, Ofonime (BRN) (1997)	time	2.07	3.21	4.25	5.25	6.23	7.22	8.22	9.23	10.25	11.30	11.30	4 / 1			
reaction time 0.151	interval		1.14	1.04	1.00	0.98	0.99	1.00	1.01	1.02	1.05	PB	# of strides	4.25	2.97	3.03
	velocity	4.83	8.77	9.62	10.00	10.20	10.10	10.00	9.90	9.80	9.52	8.85	49.6	7.06	10.10	9.90

Chand, Dutee (IND) (1996)		time	1.98	3.12	4.16	5.16	6.15	7.15	8.15	9.18	10.23	11.32	11.32	7 / 2			
reaction time	0.149	interval		1.14	1.04	1.00	0.99	1.00	1.00	1.03	1.05	1.09		# of strides	4.16	2.99	3.08
		velocity	5.05	8.77	9.62	10.00	10.10	10.00	10.00	9.71	9.52	9.17	8.83	55.5	7.21	10.03	9.74
Wei Yongli (CHN) (1991)		time	2.02	3.16	4.20	5.20	6.20	7.19	8.19	9.21	10.26	11.33	11.33	5 / 3			
reaction time	0.159	interval		1.14	1.04	1.00	1.00	0.99	1.00	1.02	1.05	1.07		# of strides	4.20	2.99	3.07
		velocity	4.95	8.77	9.62	10.00	10.00	10.10	10.00	9.80	9.52	9.35	8.83	49.3	7.14	10.03	9.77
Al-Khaldi, Hajar Saad (BRN) (199		time	1.99	3.14	4.19	5.21	6.22	7.22	8.24	9.26	10.31	11.38	11.38	3 / 4			
reaction time	0.127	interval		1.15	1.05	1.02	1.01	1.00	1.02	1.02	1.05	1.07		# of strides	4.19	3.03	3.09
		velocity	5.03	8.70	9.52	9.80	9.90	10.00	9.80	9.80	9.52	9.35	8.79	51.9	7.16	9.90	9.71

2018 Japanese National High School Championships (Nagoya, JPN)

FINAL date 03-Aug-18 wind 0.0 m/s *Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics data collection*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mikase, Midori (JPN) (2001)		time	2.07	3.25	4.33	5.38	6.41	7.45	8.50	9.56	10.64	11.74	11.74	/ 1			
reaction time		interval		1.18	1.08	1.05	1.03	1.04	1.05	1.06	1.08	1.10		# of strides	4.33	3.12	3.19
		velocity	4.83	8.47	9.26	9.52	9.71	9.62	9.52	9.43	9.26	9.09	8.52		6.93	9.62	9.40
Kageyama, Sakiho (JPN)		time	2.03	3.21	4.29	5.34	6.39	7.44	8.50	9.57	10.66	11.77	11.77	/ 2			
reaction time		interval		1.18	1.08	1.05	1.05	1.05	1.06	1.07	1.09	1.11	PB	# of strides	4.29	3.15	3.22
		velocity	4.93	8.47	9.26	9.52	9.52	9.52	9.43	9.35	9.17	9.01	8.50		6.99	9.52	9.32
Usui, Ayane (JPN) (2000)		time	2.02	3.20	4.29	5.34	6.38	7.42	8.48	9.56	10.65	11.77	11.77	/ 3			
reaction time		interval		1.18	1.09	1.05	1.04	1.04	1.06	1.08	1.09	1.12	PB	# of strides	4.29	3.13	3.23
		velocity	4.95	8.47	9.17	9.52	9.62	9.62	9.43	9.26	9.17	8.93	8.50		6.99	9.58	9.29
Suzuki, Kizuha (JPN)		time	2.03	3.23	4.32	5.38	6.43	7.48	8.54	9.62	10.72	11.85	11.85	/ 4			
reaction time		interval		1.20	1.09	1.06	1.05	1.05	1.06	1.08	1.10	1.13		# of strides	4.32	3.16	3.24
		velocity	4.93	8.33	9.17	9.43	9.52	9.52	9.43	9.26	9.09	8.85	8.44		6.94	9.49	9.26
Takahashi, Mayu (JPN) (2000)		time	2.09	3.29	4.39	5.45	6.49	7.54	8.60	9.68	10.77	11.89	11.89	/ 5			
reaction time		interval		1.20	1.10	1.06	1.04	1.05	1.06	1.08	1.09	1.12		# of strides	4.39	3.15	3.23
		velocity	4.78	8.33	9.09	9.43	9.62	9.52	9.43	9.26	9.17	8.93	8.41		6.83	9.52	9.29
Iki, Aiko (JPN) (2000)		time	2.08	3.30	4.41	5.48	6.53	7.59	8.65	9.71	10.79	11.89	11.89	/ 6			
reaction time		interval		1.22	1.11	1.07	1.05	1.06	1.06	1.06	1.08	1.10		# of strides	4.41	3.18	3.20
		velocity	4.81	8.20	9.01	9.35	9.52	9.43	9.43	9.43	9.26	9.09	8.41		6.80	9.43	9.38
Suzuki, Kurumi (JPN) (2001)		time	2.12	3.32	4.41	5.47	6.52	7.57	8.64	9.72	10.82	11.93	11.93	/ 7			
reaction time		interval		1.20	1.09	1.06	1.05	1.05	1.07	1.08	1.10	1.11		# of strides	4.41	3.16	3.25
		velocity	4.72	8.33	9.17	9.43	9.52	9.52	9.35	9.26	9.09	9.01	8.38		6.80	9.49	9.23
Ishido, Hina (JPN) (2002)		time	2.08	3.28	4.38	5.44	6.50	7.55	8.62	9.70	10.81	11.93	11.93	/ 8			
reaction time		interval		1.20	1.10	1.06	1.06	1.05	1.07	1.08	1.11	1.12		# of strides	4.38	3.17	3.26
		velocity	4.81	8.33	9.09	9.43	9.43	9.52	9.35	9.26	9.01	8.93	8.38		6.85	9.46	9.20

2018 Japanese National Championships (Yamaguchi, JPN)

FINAL date 23-Jun-18 wind 0.8 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seko, Nodoka (JPN) (1991)		time	2.02	3.20	4.28	5.32	6.34	7.37	8.41	9.46	10.54	11.64	11.64	5 / 1			
reaction time	0.149	interval		1.18	1.08	1.04	1.02	1.03	1.04	1.05	1.08	1.10		# of strides	4.28	3.09	3.17
		velocity	4.95	8.47	9.26	9.62	9.80	9.71	9.62	9.52	9.26	9.09	8.59	54.8	7.01	9.71	9.46
Fukushima, Chisato (JPN) (1988)		time	2.04	3.22	4.30	5.34	6.36	7.39	8.42	9.47	10.55	11.66	11.66	6 / 2			
reaction time	0.145	interval		1.18	1.08	1.04	1.02	1.03	1.03	1.05	1.08	1.11		# of strides	4.30	3.09	3.16
		velocity	4.90	8.47	9.26	9.62	9.80	9.71	9.71	9.52	9.26	9.01	8.58	54.7	6.98	9.71	9.49
Ichikawa, Kana (JPN) (1991)		time	2.05	3.24	4.32	5.36	6.39	7.42	8.45	9.50	10.57	11.67	11.67	4 / 3			
reaction time	0.152	interval		1.19	1.08	1.04	1.03	1.03	1.03	1.05	1.07	1.10		# of strides	4.32	3.10	3.15
		velocity	4.88	8.40	9.26	9.62	9.71	9.71	9.71	9.52	9.35	9.09	8.57	50.1	6.94	9.68	9.52
Mikase, Midori (JPN) (2001)		time	2.06	3.24	4.33	5.38	6.41	7.44	8.48	9.54	10.63	11.74	11.74	7 / 4			
reaction time	0.172	interval		1.18	1.09	1.05	1.03	1.03	1.04	1.06	1.09	1.11		# of strides	4.33	3.11	3.19
		velocity	4.85	8.47	9.17	9.52	9.71	9.71	9.62	9.43	9.17	9.01	8.52	53.4	6.93	9.65	9.40
Nakamura, Mizuki (JPN) (1996)		time	2.07	3.27	4.37	5.43	6.47	7.51	8.56	9.62	10.70	11.80	11.80	2 / 5			
reaction time	0.151	interval		1.20	1.10	1.06	1.04	1.04	1.05	1.06	1.08	1.10		# of strides	4.37	3.14	3.19
		velocity	4.83	8.33	9.09	9.43	9.62	9.62	9.52	9.43	9.26	9.09	8.47	51.2	6.86	9.55	9.40
Maeyama, Miyu (JPN) (1996)		time	2.05	3.25	4.34	5.40	6.45	7.50	8.56	9.63	10.72	11.84	11.84	9 / 6			
reaction time	0.155	interval		1.20	1.09	1.06	1.05	1.05	1.06	1.07	1.09	1.12		# of strides	4.34	3.16	3.22
		velocity	4.88	8.33	9.17	9.43	9.52	9.52	9.43	9.35	9.17	8.93	8.45	50.7	6.91	9.49	9.32
Nishio, Kaho (JPN) (1997)		time	2.04	3.23	4.33	5.39	6.43	7.48	8.54	9.62	10.72	11.86	11.86	8 / 7			

reaction time 0.155	interval		1.19	1.10	1.06	1.04	1.05	1.06	1.08	1.10	1.14		# of strides	4.33	3.15	3.24
	velocity	4.90	8.40	9.09	9.43	9.62	9.52	9.43	9.26	9.09	8.77	8.43	53.5	6.93	9.52	9.26
Nagura, Chiaki (JPN) (1993)	time	2.05	3.24	4.34	5.41	6.46	7.52	8.59	9.67	10.79	11.93	11.93	3 / 8			
reaction time 0.145	interval		1.19	1.10	1.07	1.05	1.06	1.07	1.08	1.12	1.14		# of strides	4.34	3.18	3.27
	velocity	4.88	8.40	9.09	9.35	9.52	9.43	9.35	9.26	8.93	8.77	8.38	55.0	6.91	9.43	9.17

2018 Fuse Sprint (Tottori, JPN)

FINAL date 03-Jun-18 wind 1.8 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ichikawa, Kana (JPN) (1991)	time	2.02	3.19	4.26	5.28	6.29	7.30	8.31	9.33	10.37	11.43	11.43	8 / 1			
reaction time	interval		1.17	1.07	1.02	1.01	1.01	1.01	1.02	1.04	1.06		# of strides	4.26	3.04	3.07
	velocity	4.95	8.55	9.35	9.80	9.90	9.90	9.90	9.80	9.62	9.43	8.75	49.8	7.04	9.87	9.77
Myrie, Ockera (JAM) (1999)		no information available									PB	11.43	7 / 1		# of strides	51.1
Fukushima, Chisato (JPN) (1988)	time	2.02	3.19	4.25	5.27	6.28	7.28	8.30	9.33	10.38	11.46	11.46	4 / 3			
reaction time	interval		1.17	1.06	1.02	1.01	1.00	1.02	1.03	1.05	1.08		# of strides	4.25	3.03	3.10
	velocity	4.95	8.55	9.43	9.80	9.90	10.00	9.80	9.71	9.52	9.26	8.73	54.6	7.06	9.90	9.68
Seko, Nodoka (JPN) (1991)	time	1.99	3.16	4.22	5.25	6.27	7.28	8.31	9.35	10.41	11.50	11.50	5 / 4			
reaction time	interval		1.17	1.06	1.03	1.02	1.01	1.03	1.04	1.06	1.09		# of strides	4.22	3.06	3.13
	velocity	5.03	8.55	9.43	9.71	9.80	9.90	9.71	9.62	9.43	9.17	8.70	58.0	7.11	9.80	9.58
Nishio, Kaho (JPN) (1997)	time	2.03	3.22	4.31	5.35	6.38	7.41	8.45	9.51	10.59	11.69	11.69	2 / 5			
reaction time	interval		1.19	1.09	1.04	1.03	1.03	1.04	1.06	1.08	1.10		# of strides	4.31	3.10	3.18
	velocity	4.93	8.40	9.17	9.62	9.71	9.71	9.62	9.43	9.26	9.09	8.55	52.9	6.96	9.68	9.43
Nagura, Chiaki (JPN) (1993)	time	2.01	3.19	4.27	5.32	6.35	7.39	8.44	9.50	10.59	11.71	11.71	6 / 6			
reaction time	interval		1.18	1.08	1.05	1.03	1.04	1.05	1.06	1.09	1.12		# of strides	4.27	3.12	3.20
	velocity	4.98	8.47	9.26	9.52	9.71	9.62	9.52	9.43	9.17	8.93	8.54	53.9	7.03	9.62	9.38
Maeyama, Miyu (JPN) (1996)	time	2.04	3.23	4.32	5.37	6.42	7.46	8.51	9.58	10.66	11.77	11.77	3 / 7			
reaction time	interval		1.19	1.09	1.05	1.05	1.04	1.05	1.07	1.08	1.11		# of strides	4.32	3.14	3.20
	velocity	4.90	8.40	9.17	9.52	9.52	9.62	9.52	9.35	9.26	9.01	8.50	50.2	6.94	9.55	9.38
Shimada, Sae (JPN) (1994)	time	2.02	3.20	4.29	5.34	6.39	7.45	8.51	9.59	10.69	11.81	11.81	9 / 8			
reaction time	interval		1.18	1.09	1.05	1.05	1.06	1.06	1.08	1.10	1.12		# of strides	4.29	3.16	3.24
	velocity	4.95	8.47	9.17	9.52	9.52	9.43	9.43	9.26	9.09	8.93	8.47	52.4	6.99	9.49	9.26

2018 Shimane High School Championships (Honshu, JPN)

FINAL date 26-May-18 wind 1.8 m/s *Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
長戸 友花	time			4.43			7.71			11.03	12.20	12.20	3 / 1			
reaction time	interval						3.28			3.32	1.17		# of strides	4.43	3.28	3.32
	velocity			6.77			9.15			9.04	8.55	8.20	56.5	6.77	9.15	9.04
髙田 桃花	time			4.47			7.74			11.08	12.26	12.26	4 / 2			
reaction time	interval						3.27			3.34	1.18		# of strides	4.47	3.27	3.34
	velocity			6.71			9.17			8.98	8.47	8.16	56.0	6.71	9.17	8.98
戸屋 萌南	time			4.53			7.81			11.17	12.34	12.34	6 / 3			
reaction time	interval						3.28			3.36	1.17		# of strides	4.53	3.28	3.36
	velocity			6.62			9.15			8.93	8.55	8.10	53.5	6.62	9.15	8.93
大下 愛梨	time			4.57			7.94			11.35	12.56	12.56	8 / 4			
reaction time	interval						3.37			3.41	1.21		# of strides	4.57	3.37	3.41
	velocity			6.56			8.90			8.80	8.26	7.96	53.0	6.56	8.90	8.80
Nagamine, Sayuri (JPN) (2001)	time			4.53			7.94			11.40	12.63	12.63	5 / 5			
reaction time	interval						3.41			3.46	1.23		# of strides	4.53	3.41	3.46
	velocity			6.62			8.80			8.67	8.13	7.92	54.0	6.62	8.80	8.67
田中 璃奈	time			4.55			7.94			11.45	12.67	12.67	7 / 6			
reaction time	interval						3.39			3.51	1.22		# of strides	4.55	3.39	3.51
	velocity			6.59			8.85			8.55	8.20	7.89	55.0	6.59	8.85	8.55
日野 彩夏	time			4.67			8.07			11.55	12.75	12.75	1 / 7			
reaction time	interval						3.40			3.48	1.20		# of strides	4.67	3.40	3.48
	velocity			6.42			8.82			8.62	8.33	7.84	53.0	6.42	8.82	8.62
宮田 星乃	time			4.60			8.01			11.55	12.76	12.76	2 / 8			
reaction time	interval						3.41			3.54	1.21		# of strides	4.60	3.41	3.54
	velocity			6.52			8.80			8.47	8.26	7.84	55.5	6.52	8.80	8.47

2018 Seiko Golden Grand Prix (Osaka, JPN)

FINAL date 20-May-18 wind 2.3 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.04	3.20	4.26	5.28	6.29	7.30	8.32	9.35	10.41	11.49	11.49	6 / 4			
reaction time 0.136	interval		1.16	1.06	1.02	1.01	1.01	1.02	1.03	1.06	1.08		# of strides	4.26	3.04	3.11
	velocity	4.90	8.62	9.43	9.80	9.90	9.90	9.80	9.71	9.43	9.26	8.70	55.0	7.04	9.87	9.65
Ichikawa, Kana (JPN) (1991)	time	2.05	3.23	4.31	5.34	6.36	7.37	8.39	9.43	10.48	11.56	11.56	5 / 6			
reaction time 0.147	interval		1.18	1.08	1.03	1.02	1.01	1.02	1.04	1.05	1.08		# of strides	4.31	3.06	3.11
	velocity	4.88	8.47	9.26	9.71	9.80	9.90	9.80	9.62	9.52	9.26	8.65	50.6	6.96	9.80	9.65
Maeyama, Miyu (JPN) (1996)	time	2.05	3.23	4.31	5.35	6.38	7.41	8.45	9.51	10.58	11.68	11.68	9 / 7			
reaction time 0.171	interval		1.18	1.08	1.04	1.03	1.03	1.04	1.06	1.07	1.10		# of strides	4.31	3.10	3.17
	velocity	4.88	8.47	9.26	9.62	9.71	9.71	9.62	9.43	9.35	9.09	8.56	50.1	6.96	9.68	9.46

2018 Mikio Oda Memorial (Hiroshima, JPN)

FINAL date 29-Apr-18 wind 1.3 m/s *Takahashi (2019) - running performance analysis women's 100m leading sprinters- world, asia, and japan*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.02	3.18	4.25	5.27	6.27	7.27	8.28	9.30	10.35	11.42	11.42	4 / 1			
reaction time	interval		1.16	1.07	1.02	1.00	1.00	1.01	1.02	1.05	1.07		# of strides	4.25	3.02	3.08
	velocity	4.95	8.62	9.35	9.80	10.00	10.00	9.90	9.80	9.52	9.35	8.76	55.2	7.06	9.93	9.74
Maeyama, Miyu (JPN) (1996)	time	2.01	3.18	4.24	5.27	6.29	7.31	8.34	9.39	10.46	11.56	11.56	5 / 2			
reaction time	interval		1.17	1.06	1.03	1.02	1.02	1.03	1.05	1.07	1.10		# of strides	4.24	3.07	3.15
	velocity	4.98	8.55	9.43	9.71	9.80	9.80	9.71	9.52	9.35	9.09	8.65	45.8	7.08	9.77	9.52
Seko, Nodoka (JPN) (1991)	time	2.02	3.20	4.28	5.31	6.34	7.36	8.39	9.46	10.56	11.66	11.66	7 / 4			
reaction time	interval		1.18	1.08	1.03	1.03	1.02	1.03	1.07	1.10	1.10		# of strides	4.28	3.08	3.20
	velocity	4.95	8.47	9.26	9.71	9.71	9.80	9.71	9.35	9.09	9.09	8.58		7.01	9.74	9.38
Nakamura, Mizuki (JPN) (1996)	time	2.08	3.28	4.38	5.44	6.48	7.51	8.55	9.60	10.67	11.75	11.75	2 / 5			
reaction time	interval		1.20	1.10	1.06	1.04	1.03	1.04	1.05	1.07	1.08		# of strides	4.38	3.13	3.16
	velocity	4.81	8.33	9.09	9.43	9.62	9.71	9.62	9.52	9.35	9.26	8.51	50.3	6.85	9.58	9.49

2017 Japanese U20 National Championships (Nagoya, JPN)

FINAL date 20-Oct-17 wind 0.3 m/s *Takahashi (2021) - Race analysis of 100m women's athletes in major domestic competitions*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kodama, Mei (JPN) (1999)	time	2.10	3.29	4.38	5.43	6.47	7.51	8.55	9.60	10.68	11.77	11.77	7 / 2			
reaction time	interval		1.19	1.09	1.05	1.04	1.04	1.04	1.05	1.08	1.09		# of strides	4.38	3.13	3.17
	velocity	4.76	8.40	9.17	9.52	9.62	9.62	9.62	9.52	9.26	9.17	8.50		6.85	9.58	9.46

2017 National Sports Festival (Matsuyama, JPN)

FINAL date 07-Oct-17 wind 1.2 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nagura, Chiaki (JPN) (1993)	time	2.00	3.18	4.25	5.28	6.30	7.34	8.39	9.45	10.53	11.63	11.63	/ 1			
reaction time 0.120	interval		1.18	1.07	1.03	1.02	1.04	1.05	1.06	1.08	1.10	PB	# of strides	4.25	3.09	3.19
	velocity	5.00	8.47	9.35	9.71	9.80	9.62	9.52	9.43	9.26	9.09	8.60	54.6	7.06	9.71	9.40

Semi-Final 3 date 07-Oct-17 wind 0.7 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kodera, Misaki (JPN) (1995)	time	2.11	3.30	4.38	5.45	6.50	7.55	8.60	9.65	10.72	11.81	11.81	/ 2			
reaction time 0.153	interval		1.19	1.08	1.07	1.05	1.05	1.05	1.05	1.07	1.09	PB	# of strides	4.38	3.17	3.17
	velocity	4.74	8.40	9.26	9.35	9.52	9.52	9.52	9.52	9.35	9.17	8.47	53.0	6.85	9.46	9.46
Yuasa, Kanako (JPN) (1997)	time	2.05	3.23	4.29	5.35	6.40	7.45	8.52	9.60	10.70	11.83	11.83	/ 3			
reaction time 0.140	interval		1.18	1.06	1.06	1.05	1.05	1.07	1.08	1.10	1.13	PB	# of strides	4.29	3.16	3.25
	velocity	4.88	8.47	9.43	9.43	9.52	9.52	9.35	9.26	9.09	8.85	8.45	55.0	6.99	9.49	9.23
Banno, Rio (JPN) (1990)	time	2.08	3.27	4.35	5.43	6.48	7.53	8.58	9.65	10.74	11.84	11.84	/ 4			
reaction time 0.154	interval		1.19	1.08	1.08	1.05	1.05	1.05	1.07	1.09	1.10	PB	# of strides	4.35	3.18	3.21
	velocity	4.81	8.40	9.26	9.26	9.52	9.52	9.52	9.35	9.17	9.09	8.45	49.4	6.90	9.43	9.35

Semi-Final 2 date 07-Oct-17 wind 0.5 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fujimori, Anna (JPN) (1994)	time	2.05	3.24	4.30	5.35	6.39	7.43	8.49	9.56	10.66	11.77	11.77	/ 2			
reaction time 0.132	interval		1.19	1.06	1.05	1.04	1.04	1.06	1.07	1.10	1.11		# of strides	4.30	3.13	3.23
	velocity	4.88	8.40	9.43	9.52	9.62	9.62	9.43	9.35	9.09	9.01	8.50	52.0	6.98	9.58	9.29
Sato, Hinako (JPN) (1996)	time	2.07	3.25	4.33	5.39	6.44	7.49	8.54	9.61	10.69	11.79	11.79	/ 3			
reaction time 0.170	interval		1.18	1.08	1.06	1.05	1.05	1.05	1.07	1.08	1.10	PB	# of strides	4.33	3.16	3.20
	velocity	4.83	8.47	9.26	9.43	9.52	9.52	9.52	9.35	9.26	9.09	8.48	54.1	6.93	9.49	9.38
Watanabe, Hikaru (JPN) (1996)	time	2.10	3.29	4.35	5.40	6.44	7.48	8.53	9.60	10.70	11.81	11.81	/ 4			
reaction time 0.152	interval		1.19	1.06	1.05	1.04	1.04	1.05	1.07	1.10	1.11		# of strides	4.35	3.13	3.22

	velocity	4.76	8.40	9.43	9.52	9.62	9.62	9.52	9.35	9.09	9.01	8.47	50.9	6.90	9.58	9.32

2017 IAAF World Championships (London, GBR)

FINAL

date 06-Aug-17 wind -0.1 m/s *Bissas (2018) - biomechanical report for the IAAF World Championships - London 2017- Women's 100m*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bowie, Tori (USA) (1990)	time	2.07	3.22	4.24	5.18	6.11	7.04	7.98	8.93	9.88	10.85	10.85	7 / 1			
reaction time 0.182	interval		1.15	1.02	0.94	0.93	0.93	0.94	0.95	0.95	0.97		# of strides	4.24	2.80	2.84
	velocity	4.83	8.70	9.80	10.64	10.75	10.75	10.64	10.53	10.53	10.31	9.22	47.4	7.08	10.71	10.56
Ta Lou, Marie-Josée (CIV) (1988)	time	2.01	3.15	4.19	5.15	6.09	7.01	7.94	8.90	9.87	10.86	10.86	4 / 2			
reaction time 0.180	interval		1.14	1.04	0.96	0.94	0.92	0.93	0.96	0.97	0.99	PB	# of strides	4.19	2.82	2.86
	velocity	4.98	8.77	9.62	10.42	10.64	10.87	10.75	10.42	10.31	10.10	9.21	49.8	7.16	10.64	10.49
Schippers, Dafne (NED) (1992)	time	2.07	3.23	4.25	5.20	6.14	7.07	8.01	8.98	9.96	10.96	10.96	9 / 3			
reaction time 0.155	interval		1.16	1.02	0.95	0.94	0.93	0.94	0.97	0.98	1.00		# of strides	4.25	2.82	2.89
	velocity	4.83	8.62	9.80	10.53	10.64	10.75	10.64	10.31	10.20	10.00	9.12	47.4	7.06	10.64	10.38
Ahouré, Murielle (CIV) (1987)	time	2.01	3.15	4.18	5.14	6.10	7.07	8.00	8.97	9.96	10.98	10.98	8 / 4			
reaction time 0.184	interval		1.14	1.03	0.96	0.96	0.97	0.93	0.97	0.99	1.02		# of strides	4.18	2.89	2.89
	velocity	4.98	8.77	9.71	10.42	10.42	10.31	10.75	10.31	10.10	9.80	9.11	52.4	7.18	10.38	10.38
Thompson, Elaine (JAM) (1992)	time	2.06	3.21	4.22	5.17	6.13	7.08	8.04	9.01	9.99	10.98	10.98	6 / 5			
reaction time 0.200	interval		1.15	1.01	0.95	0.96	0.95	0.96	0.97	0.98	0.99		# of strides	4.22	2.86	2.91
	velocity	4.85	8.70	9.90	10.53	10.42	10.53	10.42	10.31	10.20	10.10	9.11	50.5	7.11	10.49	10.31
Anye, Michelle-Lee (TTO) (1992)	time	2.02	3.19	4.23	5.19	6.14	7.09	8.05	9.02	10.01	11.01	11.01	3 / 6			
reaction time 0.151	interval		1.17	1.04	0.96	0.95	0.95	0.96	0.97	0.99	1.00		# of strides	4.23	2.86	2.92
	velocity	4.95	8.55	9.62	10.42	10.53	10.53	10.42	10.31	10.10	10.00	9.08	50.5	7.09	10.49	10.27
Santos, Rosangela (BRA) (1990)	time	2.04	3.21	4.25	5.21	6.17	7.12	8.08	9.05	10.05	11.06	11.06	5 / 7			
reaction time 0.150	interval		1.17	1.04	0.96	0.96	0.95	0.96	0.97	1.00	1.01		# of strides	4.25	2.87	2.93
	velocity	4.90	8.55	9.62	10.42	10.42	10.53	10.42	10.31	10.00	9.90	9.04	50.8	7.06	10.45	10.24
Baptiste, Kelly-Ann (JAM) (1986)	time	2.01	3.17	4.22	5.18	6.13	7.08	8.05	9.04	10.05	11.09	11.09	2 / 8			
reaction time 0.142	interval		1.16	1.05	0.96	0.95	0.95	0.97	0.99	1.01	1.04		# of strides	4.22	2.86	2.97
	velocity	4.98	8.62	9.52	10.42	10.53	10.53	10.31	10.10	9.90	9.62	9.02	51.0	7.11	10.49	10.10

2017 Windsprint (Sundsvall, SWE)

A FINAL

date 30-Jul-17 wind 0.3 m/s *(2017) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Meinseth, Ingvild (NOR) (1999)	time			4.33		6.40	7.46		9.54		11.70	11.70	5 / 1			
reaction time	interval					2.07	1.06		2.08		2.16		# of strides	4.33	3.13	
	velocity			6.93		9.66	9.43		9.62		9.26	8.55		6.93	9.58	
Eurenius, Isabelle (SWE) (1989)	time			4.45		6.52	7.57		9.67		11.84	11.84	6 / 2			
reaction time	interval					2.07	1.05		2.10		2.17		# of strides	4.45	3.12	
	velocity			6.74		9.66	9.52		9.52		9.22	8.45		6.74	9.62	
Ström, Malin (SWE) (1986)	time			4.45		6.56	7.62		9.73		11.92	11.92	2 / 3			
reaction time	interval					2.11	1.06		2.11		2.19		# of strides	4.45	3.17	
	velocity			6.74		9.48	9.43		9.48		9.13	8.39		6.74	9.46	
Östlund, Jessica (SWE) (1993)	time			4.47		6.55	7.61		9.76		11.94	11.94	3 / 4			
reaction time	interval					2.08	1.06		2.15		2.18		# of strides	4.47	3.14	
	velocity			6.71		9.62	9.43		9.30		9.17	8.38		6.71	9.55	
Rönningen, Helene (NOR) (1998)	time			4.45		6.56	7.62		9.77		11.96	11.96	4 / 5			
reaction time	interval					2.11	1.06		2.15		2.19		# of strides	4.45	3.17	
	velocity			6.74		9.48	9.43		9.30		9.13	8.36		6.74	9.46	
Brubak, Mari Gilde (NOR) (1990)	time			4.47		6.56	7.61		9.78		11.98	11.98	7 / 6			
reaction time	interval					2.09	1.05		2.17		2.20		# of strides	4.47	3.14	
	velocity			6.71		9.57	9.52		9.22		9.09	8.35		6.71	9.55	

B FINAL

date 30-Jul-17 wind 1.6 m/s *(2017) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sjöberg, Nikki (SWE) (1998)	time			4.42		6.52	7.56				11.89	11.89	5 / 1			
reaction time	interval					2.10	1.04				4.33	=PB	# of strides	4.42	3.14	
	velocity			6.79		9.52	9.62				9.24	8.41		6.79	9.55	
Bårdsgård Kulset, Malin (NOR) (	time			4.64		6.77	7.84				12.24	12.24	4 / 2			
reaction time	interval					2.13	1.07				4.40		# of strides	4.64	3.20	
	velocity			6.47		9.39	9.35				9.09	8.17		6.47	9.38	
Palm, Josefin (SWE) (1994)	time			4.54		6.68	7.75				12.28	12.28	6 / 3			

	reaction time	interval			2.14	1.07			4.53		# of strides	4.54	3.21		
		velocity		6.61	9.35	9.35			8.83	8.14		6.61	9.35		
Berneryd, Saga (SWE) (1999)		time		4.64	6.89	8.00		10.28	12.62	12.62	3 / 4				
	reaction time	interval			2.25	1.11		2.28	2.34		# of strides	4.64	3.36		
		velocity		6.47	8.89	9.01		8.77	8.55	7.92		6.47	8.93		
Nilsson, Evelina (SWE) (1994)		time		4.64	6.89	8.02		10.27	12.71	12.71	7 / 5				
	reaction time	interval			2.25	1.13		2.25	2.44		# of strides	4.64	3.38		
		velocity		6.47	8.89	8.85		8.89	8.20	7.87		6.47	8.88		

2017 Japanese National High School Championships (Yamagata, JPN)

FINAL

date 30-Jul-17 wind -3.0 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kodama, Mei (JPN) (1999)		time			4.40			7.60			10.88	12.02	12.02	5 / 1			
	reaction time 0.157	interval						3.20			3.28	1.14		# of strides	4.40	3.20	3.28
		velocity			6.82			9.38			9.15	8.77	8.32		6.82	9.38	9.15
Usui, Ayane (JPN) (2000)		time			4.31			7.55			10.89	12.06	12.06	4 / 2			
	reaction time 0.140	interval						3.24			3.34	1.17		# of strides	4.31	3.24	3.34
		velocity			6.96			9.26			8.98	8.55	8.29		6.96	9.26	8.98
Aono, Akari (JPN) (2000)		time			4.44			7.69			11.00	12.15	12.15	6 / 3			
	reaction time 0.151	interval						3.25			3.31	1.15		# of strides	4.44	3.25	3.31
		velocity			6.76			9.23			9.06	8.70	8.23		6.76	9.23	9.06
Sato, Serika (JPN) (2000)		time			4.40			7.69			11.09	12.28	12.28	7 / 4			
	reaction time 0.205	interval						3.29			3.40	1.19		# of strides	4.40	3.29	3.40
		velocity			6.82			9.12			8.82	8.40	8.14		6.82	9.12	8.82
Miyata, Otoha (JPN) (1999)		time			4.38			7.65			11.10	12.32	12.32	2 / 5			
	reaction time 0.148	interval						3.27			3.45	1.22		# of strides	4.38	3.27	3.45
		velocity			6.85			9.17			8.70	8.20	8.12		6.85	9.17	8.70
Tsukuda, Misa (JPN) (2001)		time			4.45			7.76			11.16	12.35	12.35	8 / 6			
	reaction time 0.146	interval						3.31			3.40	1.19		# of strides	4.45	3.31	3.40
		velocity			6.74			9.06			8.82	8.40	8.10		6.74	9.06	8.82
Maekawa, Rika (JPN) (2000)		time			4.46			7.78			11.19	12.37	12.37	3 / 7			
	reaction time 0.173	interval						3.32			3.41	1.18		# of strides	4.46	3.32	3.41
		velocity			6.73			9.04			8.80	8.47	8.08		6.73	9.04	8.80
Hasegawa, Aiki (JPN) (1999)		time			4.40			7.75			11.23	12.44	12.44	9 / 8			
	reaction time 0.163	interval						3.35			3.48	1.21		# of strides	4.40	3.35	3.48
		velocity			6.82			8.96			8.62	8.26	8.04		6.82	8.96	8.62

2017 National Grand Prix Final (Guiyang, CHN) (Altitude)

Heat 5

date 25-Jun-17 wind 0.9 m/s

Jiang (2017) CAA Sport Science Report

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Liang Nuo (CHN) (1999)	time	1.88	3.06	4.15	5.19	6.22	7.25	8.30	9.34	10.40	11.52	11.71	/ 1			
reaction time	interval		1.18	1.09	1.04	1.03	1.03	1.05	1.04	1.06	1.12	PB	# of strides	4.15	3.10	3.15
	velocity	5.32	8.47	9.17	9.62	9.71	9.71	9.52	9.62	9.43	8.93	8.54	51.2	7.23	9.68	9.52

Heat 3

date 25-Jun-17 wind 0.5 m/s

Jiang (2017) CAA Sport Science Report

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wei Yongli (CHN) (1991)	time	1.91	3.04	4.09	5.10	6.09	7.08	8.08	9.06	10.07	11.12	11.32	/ 1			
reaction time	interval		1.13	1.05	1.01	0.99	0.99	1.00	0.98	1.01	1.05		# of strides	4.09	2.99	2.99
	velocity	5.24	8.85	9.52	9.90	10.10	10.10	10.00	10.20	9.90	9.52	8.83	49.0	7.33	10.03	10.03
Liang Cuimin (CHN) (1993)	time	1.93	3.12	4.23	5.27	6.29	7.33	8.38	9.43	10.50	11.63	11.80	/ 2			
reaction time	interval		1.19	1.11	1.04	1.02	1.04	1.05	1.05	1.07	1.13	PB	# of strides	4.23	3.10	3.17
	velocity	5.18	8.40	9.01	9.62	9.80	9.62	9.52	9.52	9.35	8.85	8.47	54.2	7.09	9.68	9.46

Heat 2

date 25-Jun-17 wind 0.9 m/s

Jiang (2017) CAA Sport Science Report

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ge Manqi (CHN) (1997)	time	1.90	3.06	4.12	5.13	6.13	7.14	8.15	9.20	10.26	11.34	11.52	/ 1			
reaction time	interval		1.16	1.06	1.01	1.00	1.01	1.01	1.05	1.06	1.08		# of strides	4.12	3.02	3.12
	velocity	5.26	8.62	9.43	9.90	10.00	9.90	9.90	9.52	9.43	9.26	8.68	52.0	7.28	9.93	9.62

2017 Japanese National Championships (Osaka, JPN)

FINAL

date 24-Jun-17 wind 0.2 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nakamura, Mizuki (JPN) (1996)	time	2.06	3.24	4.32	5.36	6.39	7.42	8.46	9.52	10.59	11.68	11.68	/ 3			
reaction time 0.145	interval		1.18	1.08	1.04	1.03	1.03	1.04	1.06	1.07	1.09		# of strides	4.32	3.10	3.17
	velocity	4.85	8.47	9.26	9.62	9.71	9.71	9.62	9.43	9.35	9.17	8.56	49.8	6.94	9.68	9.46

Heat 3

date 23-Jun-17 wind -0.9 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takeuchi, Sayaka (JPN) (1995)	time	2.07	3.26	4.33	5.37	6.42	7.47	8.53	9.62	10.72	11.83	11.83	/ 3			
reaction time 0.141	interval		1.19	1.07	1.04	1.05	1.05	1.06	1.09	1.10	1.11		# of strides	4.33	3.14	3.25
	velocity	4.83	8.40	9.35	9.62	9.52	9.52	9.43	9.17	9.09	9.01	8.45	54.6	6.93	9.55	9.23

Heat 2

date 23-Jun-17 wind -0.1 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Shimada, Sae (JPN) (1994)	time	2.02	3.19	4.27	5.32	6.38	7.44	8.51	9.60	10.71	11.83	11.83	/ 3			
reaction time 0.103	interval		1.17	1.08	1.05	1.06	1.06	1.07	1.09	1.11	1.12	=PB	# of strides	4.27	3.17	3.27
	velocity	4.95	8.55	9.26	9.52	9.43	9.43	9.35	9.17	9.01	8.93	8.45	53.1	7.03	9.46	9.17

Heat 1

date 23-Jun-17 wind 0.2 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.05	3.20	4.25	5.29	6.30	7.32	8.35	9.40	10.46	11.55	11.55	/ 2			
reaction time 0.145	interval		1.15	1.05	1.04	1.01	1.02	1.03	1.05	1.06	1.09		# of strides	4.25	3.07	3.14
	velocity	4.88	8.70	9.52	9.62	9.90	9.80	9.71	9.52	9.43	9.17	8.66	54.4	7.06	9.77	9.55
Imai, Saori (JPN) (1990)	time	2.09	3.27	4.35	5.39	6.42	7.46	8.50	9.55	10.62	11.71	11.71	/ 3			
reaction time 0.146	interval		1.18	1.08	1.04	1.03	1.04	1.04	1.05	1.07	1.09		# of strides	4.35	3.11	3.16
	velocity	4.78	8.47	9.26	9.62	9.71	9.62	9.62	9.52	9.35	9.17	8.54	50.4	6.90	9.65	9.49
Iki, Ichiko (JPN) (1997)	time	2.10	3.28	4.35	5.41	6.44	7.48	8.52	9.58	10.67	11.77	11.77	/ 4			
reaction time 0.174	interval		1.18	1.07	1.06	1.03	1.04	1.04	1.06	1.09	1.10		# of strides	4.35	3.13	3.19
	velocity	4.76	8.47	9.35	9.43	9.71	9.62	9.62	9.43	9.17	9.09	8.50	53.4	6.90	9.58	9.40

2017 Fuse Sprint (Fuse, JPN)

FINAL

date 04-Jun-17 wind 2.1 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ichikawa, Kana (JPN) (1991)	time	2.02	3.19	4.25	5.29	6.30	7.30	8.30	9.31	10.33	11.38	11.38	/ 1			
reaction time	interval		1.17	1.06	1.04	1.01	1.00	1.00	1.01	1.02	1.05		# of strides	4.25	3.05	3.03
	velocity	4.95	8.55	9.43	9.62	9.90	10.00	10.00	9.90	9.80	9.52	8.79	49.9	7.06	9.84	9.90
Seko, Noboka (JPN) (1991)	time	2.05	3.23	4.32	5.37	6.40	7.43	8.47	9.52	10.59	11.68	11.68	/ 2			
reaction time	interval		1.18	1.09	1.05	1.03	1.03	1.04	1.05	1.07	1.09		# of strides	4.32	3.11	3.16
	velocity	4.88	8.47	9.17	9.52	9.71	9.71	9.62	9.52	9.35	9.17	8.56	54.9	6.94	9.65	9.49

B FINAL

date 04-Jun-17 wind 3.1 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Matsuda, Yumi (JPN) (1994)	time	2.10	3.28	4.37	5.43	6.47	7.50	8.55	9.60	10.68	11.78	11.78	/ 1			
reaction time	interval		1.18	1.09	1.06	1.04	1.03	1.05	1.05	1.08	1.10		# of strides	4.37	3.13	3.18
	velocity	4.76	8.47	9.17	9.43	9.62	9.71	9.52	9.52	9.26	9.09	8.49	53.9	6.86	9.58	9.43

Heat 7

date 04-Jun-17 wind 1.1 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Shimada, Yukina (JPN) (1998)	time	2.10	3.26	4.31	5.34	6.37	7.42	8.49	9.59	10.71	11.84	11.84	/ 6			
reaction time	interval		1.16	1.05	1.03	1.03	1.05	1.07	1.10	1.12	1.13		# of strides	4.31	3.11	3.29
	velocity	4.76	8.62	9.52	9.71	9.71	9.52	9.35	9.09	8.93	8.85	8.45	48.8	6.96	9.65	9.12

Heat 6

date 04-Jun-17 wind 0.8 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Terai, Miho (JPN) (1993)	time	2.02	3.20	4.29	5.35	6.39	7.44	8.50	9.58	10.68	11.77	11.77	/ 1			
reaction time	interval		1.18	1.09	1.06	1.04	1.05	1.06	1.08	1.10	1.09	PB	# of strides	4.29	3.15	3.24
	velocity	4.95	8.47	9.17	9.43	9.62	9.52	9.43	9.26	9.09	9.17	8.50	53.4	6.99	9.52	9.26
Sugiyama, Miki (JPN) (1995)	time	2.04	3.21	4.30	5.36	6.40	7.45	8.52	9.60	10.70	11.81	11.81	/ 2			
reaction time	interval		1.17	1.09	1.06	1.04	1.05	1.07	1.08	1.10	1.11	PB	# of strides	4.30	3.15	3.25
	velocity	4.90	8.55	9.17	9.43	9.62	9.52	9.35	9.26	9.09	9.01	8.47	54.7	6.98	9.52	9.23

2017 Shimane High School Championships (Honshu, JPN)

FINAL

date 27-May-17 wind -0.5 m/s

Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
石川 結貴	time			4.60			7.87				12.39	12.39	6 / 1			
reaction time	interval						3.27				4.52		# of strides	4.60	3.27	
	velocity			6.52			9.17				8.85	8.07	56.5	6.52	9.17	
前田 瑠音	time			4.40			7.70				12.41	12.41	7 / 2			
reaction time	interval						3.30				4.71		# of strides	4.40	3.30	
	velocity			6.82			9.09				8.49	8.06	57.5	6.82	9.09	
高田 桃花	time			4.53			7.90				12.64	12.64	5 / 3			
reaction time	interval						3.37				4.74		# of strides	4.53	3.37	
	velocity			6.62			8.90				8.44	7.91	56.5	6.62	8.90	

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

米田 涼帆	time	4.77	8.17	12.87	12.87	8 / 4					
reaction time	interval		3.40	4.70		# of strides	4.77	3.40			
	velocity	6.29	8.82	8.51	7.77	54.5	6.29	8.82			
長戸 友花	time	4.63	8.03	12.96	12.96	4 / 5					
reaction time	interval		3.40	4.93		# of strides	4.63	3.40			
	velocity	6.48	8.82	8.11	7.72	56.0	6.48	8.82			
大﨑 南美	time	4.63	8.03	13.02	13.02	3 / 6					
reaction time	interval		3.40	4.99		# of strides	4.63	3.40			
	velocity	6.48	8.82	8.02	7.68	54.0	6.48	8.82			
大下 愛梨	time	4.70	8.13	13.05	13.05	2 / 7					
reaction time	interval		3.43	4.92		# of strides	4.70	3.43			
	velocity	6.38	8.75	8.13	7.66	52.5	6.38	8.75			

2017 Seiko Golden Grand Prix (Kawasaki, JPN)

FINAL

date 21-May-17 wind -1.0 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lalova-Collio, Ivet (BUL) (1984)	time	2.04	3.22	4.28	5.31	6.33	7.34	8.34	9.34	10.36	11.40	11.40	/ 1			
reaction time 0.171	interval		1.18	1.06	1.03	1.02	1.01	1.00	1.00	1.02	1.04		# of strides	4.28	3.06	3.02
	velocity	4.90	8.47	9.43	9.71	9.80	9.90	10.00	10.00	9.80	9.62	8.77	50.5	7.01	9.80	9.93
Meadows, Tawanna (USA) (1986)	time	2.06	3.24	4.30	5.32	6.33	7.33	8.34	9.35	10.37	11.44	11.44	/ 2			
reaction time 0.203	interval		1.18	1.06	1.02	1.01	1.00	1.01	1.01	1.02	1.07		# of strides	4.30	3.03	3.04
	velocity	4.85	8.47	9.43	9.80	9.90	10.00	9.90	9.90	9.80	9.35	8.74	52.4	6.98	9.90	9.87
Bartoletta, Tianna (USA) (1985)	time	2.05	3.24	4.29	5.32	6.32	7.33	8.34	9.36	10.40	11.47	11.47	/ 3			
reaction time 0.194	interval		1.19	1.05	1.03	1.00	1.01	1.01	1.02	1.04	1.07		# of strides	4.29	3.04	3.07
	velocity	4.88	8.40	9.52	9.71	10.00	9.90	9.90	9.80	9.62	9.35	8.72	50.3	6.99	9.87	9.77
Williams, Charonda (USA) (1987)	time	2.07	3.24	4.30	5.32	6.33	7.34	8.36	9.38	10.41	11.49	11.49	/ 4			
reaction time 0.159	interval		1.17	1.06	1.02	1.01	1.01	1.02	1.02	1.03	1.08		# of strides	4.30	3.04	3.07
	velocity	4.83	8.55	9.43	9.80	9.90	9.90	9.80	9.80	9.71	9.26	8.70	50.1	6.98	9.87	9.77
Wisil, Toea (PNG) (1988)	time	2.05	3.21	4.27	5.31	6.32	7.35	8.39	9.42	10.47	11.58	11.58	/ 5			
reaction time 0.160	interval		1.16	1.06	1.04	1.01	1.03	1.04	1.03	1.05	1.11		# of strides	4.27	3.08	3.12
	velocity	4.88	8.62	9.43	9.62	9.90	9.71	9.62	9.71	9.52	9.01	8.64	54.5	7.03	9.74	9.62

2017 Mikio Oda Memorial (Hiroshima, JPN)

B FINAL

date 29-Apr-17 wind 2.0 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nishio, Kaho (JPN) (1997)	time	2.05	3.24	4.32	5.38	6.42	7.47	8.53	9.60	10.68	11.79	11.79	/ 2			
reaction time	interval		1.19	1.08	1.06	1.04	1.05	1.06	1.07	1.08	1.11		# of strides	4.32	3.15	3.21
	velocity	4.88	8.40	9.26	9.43	9.62	9.52	9.43	9.35	9.26	9.01	8.48	53.6	6.94	9.52	9.35

Heat 3

date 29-Apr-17 wind 2.3 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fujisawa, Sayaka (JPN) (1991)	time	2.07	3.25	4.34	5.39	6.42	7.45	8.50	9.55	10.63	11.73	11.73	/ 2			
reaction time	interval		1.18	1.09	1.05	1.03	1.03	1.05	1.05	1.08	1.10		# of strides	4.34	3.11	3.18
	velocity	4.83	8.47	9.17	9.52	9.71	9.71	9.52	9.52	9.26	9.09	8.53	50.9	6.91	9.65	9.43

Heat 1

date 29-Apr-17 wind 2.4 m/s *Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Breen, Melissa (AUS) (1990)	time	2.06	3.23	4.30	5.33	6.34	7.35	8.36	9.38	10.41	11.46	11.46	/ 1			
reaction time	interval		1.17	1.07	1.03	1.01	1.01	1.01	1.02	1.03	1.05		# of strides	4.30	3.05	3.06
	velocity	4.85	8.55	9.35	9.71	9.90	9.90	9.90	9.80	9.71	9.52	8.73	50.7	6.98	9.84	9.80
Maeyama, Miyu (JPN) (1996)	time	2.05	3.22	4.31	5.36	6.39	7.43	8.47	9.52	10.59	11.67	11.67	/ 2			
reaction time	interval		1.17	1.09	1.05	1.03	1.04	1.04	1.05	1.07	1.08		# of strides	4.31	3.12	3.16
	velocity	4.88	8.55	9.17	9.52	9.71	9.62	9.62	9.52	9.35	9.26	8.57	49.1	6.96	9.62	9.49
Wada, Maki (JPN) (1986)	time	2.02	3.20	4.29	5.35	6.39	7.43	8.48	9.54	10.61	11.71	11.71	/ 3			
reaction time	interval		1.18	1.09	1.06	1.04	1.04	1.05	1.06	1.07	1.10		# of strides	4.29	3.14	3.18
	velocity	4.95	8.47	9.17	9.43	9.62	9.62	9.52	9.43	9.35	9.09	8.54	53.1	6.99	9.55	9.43
Miyake, Noaka (JPN) (1991)	time	3.02	3.21	4.28	5.33	6.35	7.40	8.45	9.52	10.61	11.72	11.72	/ 4			
reaction time	interval		0.19	1.07	1.05	1.02	1.05	1.05	1.07	1.09	1.11		# of strides	4.28	3.12	3.21
	velocity	3.31	52.63	9.35	9.52	9.80	9.52	9.52	9.35	9.17	9.01	8.53	52.2	7.01	9.62	9.35

2016 National Sports Festival (Kitakami, JPN)

FINAL

date 08-Oct-16 wind 2.0 m/s *Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.01	3.16	4.24	5.29	6.32	7.35	8.39	9.46	10.55	11.66	11.66	7 / 1			

reaction time	0.135	interval		1.15	1.08	1.05	1.03	1.03	1.04	1.07	1.09	1.11		# of strides	4.24	3.11	3.20
		velocity	4.98	8.70	9.26	9.52	9.71	9.71	9.62	9.35	9.17	9.01	8.58	53.6	7.08	9.65	9.38
Maeyama, Miyu (JPN) (1996)		time	2.07	3.22	4.30	5.35	6.38	7.42	8.47	9.53	10.62	11.73	11.73	4 / 2			
reaction time	0.157	interval		1.15	1.08	1.05	1.03	1.04	1.05	1.06	1.09	1.11		# of strides	4.30	3.12	3.20
		velocity	4.83	8.70	9.26	9.52	9.71	9.62	9.52	9.43	9.17	9.01	8.53	49.5	6.98	9.62	9.38

U19 FINAL

date 07-Oct-16 wind 0.5 m/s *Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Saito, Ami (JPN) (1999)		time	2.05	3.21	4.29	5.33	6.35	7.36	8.39	9.43	10.49	11.57	11.57	7 / 1			
reaction time	0.122	interval		1.16	1.08	1.04	1.02	1.01	1.03	1.04	1.06	1.08	PB	# of strides	4.29	3.07	3.13
		velocity	4.88	8.62	9.26	9.62	9.80	9.90	9.71	9.62	9.43	9.26	8.64	54.2	6.99	9.77	9.58

2016 Olympic Games (Rio de Janeiro, BRA)

FINAL

date 13-Aug-16 wind 0.5 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thompson, Elaine (JAM) (1992)	0.157	no information available										10.71	4 / 1		# of strides	49.5
Bowie, Tori (USA) (1990)	0.112	no information available										10.83	5 / 2		# of strides	47.5
Fraser-Pryce, Shelly-Ann (JAM) (	0.138	no information available										10.86	6 / 3		# of strides	50.5
Ta Lou, Marie Josée (CIV) (1988)	0.136	no information available									PB	10.86	3 / 4		# of strides	49.7
Schippers, Dafne (NED) (1992)	0.134	no information available										10.90	9 / 5		# of strides	47.0
Ahye, Michelle-Lee (TTO) (1992)	0.132	no information available										10.92	8 / 6		# of strides	50.2
Gardner, English (USA) (1992)	0.148	no information available										10.94	7 / 7		# of strides	47.2
Wiliams, Christania (JAM) (1994)	0.163	no information available										11.80	2 / 8		# of strides	51.0

2016 Windsprint (Sundsvall, SWE)

A FINAL

date 31-Jul-16 wind 2.0 m/s *(2016) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Östlund, Jessica (SWE) (1993)	time			4.44			7.53				11.70	11.70	5 / 1			
reaction time	interval						3.09				4.17	PB	# of strides	4.44	3.09	
	velocity			6.76			9.71				9.59	8.55		6.76	9.71	
Eurenius, Isabelle (SWE) (1989)	time			4.42			7.53				11.72	11.72	3 / 2			
reaction time	interval						3.11				4.19	=PB	# of strides	4.42	3.11	
	velocity			6.79			9.65				9.55	8.53		6.79	9.65	
Ström, Malin (SWE) (1986)	time			4.42			7.53				11.74	11.74	4 / 3			
reaction time	interval						3.11				4.21	PB	# of strides	4.42	3.11	
	velocity			6.79			9.65				9.50	8.52		6.79	9.65	
Nikamo, Karolina (SWE) (1995)	time			4.52			7.71				12.04	12.04	8 / 4			
reaction time	interval						3.19				4.33		# of strides	4.52	3.19	
	velocity			6.64			9.40				9.24	8.31		6.64	9.40	
Sjöberg, Nikki (SWE) (1998)	time			4.50			7.69				12.06	12.06	6 / 5			
reaction time	interval						3.19				4.37		# of strides	4.50	3.19	
	velocity			6.67			9.40				9.15	8.29		6.67	9.40	
Palm, Josefin (SWE) (1994)	time			4.54			7.74				12.17	12.17	2 / 6			
reaction time	interval						3.20				4.43		# of strides	4.54	3.20	
	velocity			6.61			9.38				9.03	8.22		6.61	9.38	
Törnros, Sandra (SWE) (1995)	time			4.63			7.86				12.30	12.30	7 / 7			
reaction time	interval						3.23				4.44		# of strides	4.63	3.23	
	velocity			6.48			9.29				9.01	8.13		6.48	9.29	
Berneryd, Saga (SWE) (1999)	time			4.69			7.96				12.36	12.36	1 / 8			
reaction time	interval						3.27				4.40	PB	# of strides	4.69	3.27	
	velocity			6.40			9.17				9.09	8.09		6.40	9.17	

B FINAL

date 31-Jul-16 wind 1.3 m/s *(2016) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sönnerfors, Marie (SWE) (1993)	time			4.64			7.94				12.45	12.45	4 / 1			
reaction time	interval						3.30				4.51		# of strides	4.64	3.30	
	velocity			6.47			9.09				8.87	8.03		6.47	9.09	
Sandgren, Jenni (SWE) (1998)	time			4.68			8.02				12.66	12.66	3 / 2			
reaction time	interval						3.34				4.64		# of strides	4.68	3.34	
	velocity			6.41			8.98				8.62	7.90		6.41	8.98	
Sackey Mesah, Marion (SWE) (19	time			4.84			8.16				12.69	12.69	5 / 3			
reaction time	interval						3.32				4.53		# of strides	4.84	3.32	
	velocity			6.20			9.04				8.83	7.88		6.20	9.04	
Von Gerber, Alva (SWE) (2000)	time			4.76			8.19				12.96	12.96	6 / 4			

	reaction time	interval					3.43			4.77		# of strides	4.76	3.43
		velocity			6.30		8.75			8.39	7.72		6.30	8.75
Sunneborn, Anna (SWE) (1970)		time			4.80		8.31			13.26	13.26	2 / 5		
	reaction time	interval					3.51			4.95		# of strides	4.80	3.51
		velocity			6.25		8.55			8.08	7.54		6.25	8.55
Lööw, Anna-Lena (SWE) (1965)		time			5.05		8.77			13.89	13.89	7 / 6		
	reaction time	interval					3.72			5.12		# of strides	5.05	3.72
		velocity			5.94		8.06			7.81	7.20		5.94	8.06

Heat 2

date 31-Jul-16 wind 1.8 m/s *(2016) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Samuelsson, Jessica (SWE) (1985	time			4.58			7.85				12.36	12.36	3 / 1			
reaction time	interval						3.27				4.51	PB	# of strides	4.58	3.27	
	velocity			6.55			9.17				8.87	8.09		6.55	9.17	
Berneryd, Saga (SWE) (1999)	time			4.67			8.00				12.50	12.50	6 / 2			
reaction time	interval						3.33				4.50		# of strides	4.67	3.33	
	velocity			6.42			9.01				8.89	8.00		6.42	9.01	
Sönnerfors, Marie (SWE) (1993)	time			4.64			7.96				12.54	12.54	4 / 3			
reaction time	interval						3.32				4.58		# of strides	4.64	3.32	
	velocity			6.47			9.04				8.73	7.97		6.47	9.04	
Sackey Mesah, Marion (SWE) (19	time			4.84			8.22				12.82	12.82	5 / 4			
reaction time	interval						3.38				4.60		# of strides	4.84	3.38	
	velocity			6.20			8.88				8.70	7.80		6.20	8.88	
Sandgren, Jenni (SWE) (1998)	time			4.73			8.12				12.84	12.84	7 / 5			
reaction time	interval						3.39				4.72		# of strides	4.73	3.39	
	velocity			6.34			8.85				8.47	7.79		6.34	8.85	
Von Gerber, Alva (SWE) (2000)	time			4.75			8.18				12.96	12.96	2 / 6			
reaction time	interval						3.43				4.78		# of strides	4.75	3.43	
	velocity			6.32			8.75				8.37	7.72		6.32	8.75	
Sunneborn, Anna (SWE) (1970)	time			4.82			8.36				13.36	13.36	8 / 7			
reaction time	interval						3.54				5.00		# of strides	4.82	3.54	
	velocity			6.22			8.47				8.00	7.49		6.22	8.47	
Lööw, Anna-Lena (SWE) (1965)	time			5.06			8.84				14.14	14.14	1 / 8			
reaction time	interval						3.78				5.30		# of strides	5.06	3.78	
	velocity			5.93			7.94				7.55	7.07		5.93	7.94	

Heat 1

date 31-Jul-16 wind -0.3 m/s *(2016) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ström, Malin (SWE) (1986)	time			4.58			7.57				11.80	11.80	3 / 1			
reaction time	interval						2.99				4.23	PB	# of strides	4.58	2.99	
	velocity			6.55			10.03				9.46	8.47		6.55	10.03	
Östlund, Jessica (SWE) (1993)	time			4.45			7.56				11.82	11.82	5 / 2			
reaction time	interval						3.11				4.26	PB	# of strides	4.45	3.11	
	velocity			6.74			9.65				9.39	8.46		6.74	9.65	
Eurenius, Isabelle (SWE) (1989)	time			4.44			7.57				11.85	11.85	4 / 3			
reaction time	interval						3.13				4.28		# of strides	4.44	3.13	
	velocity			6.76			9.58				9.35	8.44		6.76	9.58	
Sjöberg, Nikki (SWE) (1998)	time			4.49			7.69				12.07	12.07	2 / 4			
reaction time	interval						3.20				4.38		# of strides	4.49	3.20	
	velocity			6.68			9.38				9.13	8.29		6.68	9.38	
Tornemark, Pernilla (SWE) (1985)	time			4.58			7.77				12.10	12.10	6 / 5			
reaction time	interval						3.19				4.33		# of strides	4.58	3.19	
	velocity			6.55			9.40				9.24	8.26		6.55	9.40	
Palm, Josefin (SWE) (1994)	time			4.45			7.70				12.21	12.21	1 / 6			
reaction time	interval						3.25				4.51		# of strides	4.45	3.25	
	velocity			6.74			9.23				8.87	8.19		6.74	9.23	
Törnros, Sandra (SWE) (1995)	time			4.60			7.82				12.22	12.22	8 / 7			
reaction time	interval						3.22				4.40		# of strides	4.60	3.22	
	velocity			6.52			9.32				9.09	8.18		6.52	9.32	
Nikamo, Karolina (SWE) (1995)	time			4.45			7.71				12.24	12.24	7 / 8			

reaction time		interval					3.26			4.53			# of strides	4.45	3.26	
		velocity		6.74			9.20			8.83	8.17			6.74	9.20	

2016 Japanese National High School Championships (Okayama, JPN)

FINAL

date 30-Jul-16 wind 1.6 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Saito, Ami (JPN) (1999)		time		3.16	4.33	5.39	6.43	7.47	8.52	9.59		11.78	11.78	/ 1			
reaction time	0.133	interval			1.17	1.06	1.04	1.04	1.05	1.07		2.19		# of strides	4.33	3.14	
		velocity		6.33	8.55	9.43	9.62	9.62	9.52	9.35		9.13	8.49		6.93	9.55	
Ito, Yuna (JPN) (1998)		time		3.21	4.38	5.45	6.49	7.57	8.64	9.72		11.98	11.98	/ 2			
reaction time	0.166	interval			1.17	1.07	1.04	1.08	1.07	1.08		2.26		# of strides	4.38	3.19	
		velocity		6.23	8.55	9.35	9.62	9.26	9.35	9.26		8.85	8.35		6.85	9.40	
Sasaki, Azusa (JPN) (1998)		time		3.19	4.37	5.44	6.51	7.60	8.68	9.77		12.03	12.03	/ 3			
reaction time	0.141	interval			1.18	1.07	1.07	1.09	1.08	1.09		2.26		# of strides	4.37	3.23	
		velocity		6.27	8.47	9.35	9.35	9.17	9.26	9.17		8.85	8.31		6.86	9.29	
Sato, Serika (JPN) (2000)		time		3.19	4.38	5.47	6.56	7.67	8.76	9.87		12.17	12.17	/ 4			
reaction time	0.162	interval			1.19	1.09	1.09	1.11	1.09	1.11		2.30		# of strides	4.38	3.29	
		velocity		6.27	8.40	9.17	9.17	9.01	9.17	9.01		8.70	8.22		6.85	9.12	
Azuma, Naomi (JPN) (1998)		time		3.24	4.42	5.51	6.61	7.70	8.78	9.91		12.18	12.18	/ 5			
reaction time	0.160	interval			1.18	1.09	1.10	1.09	1.08	1.13		2.27		# of strides	4.42	3.28	
		velocity		6.17	8.47	9.17	9.09	9.17	9.26	8.85		8.81	8.21		6.79	9.15	
Usui, Ayane (JPN) (2000)		time		3.16	4.36	5.47	6.56	7.67	8.76	9.90		12.20	12.20	/ 6			
reaction time	0.139	interval			1.20	1.11	1.09	1.11	1.09	1.14		2.30		# of strides	4.36	3.31	
		velocity		6.33	8.33	9.01	9.17	9.01	9.17	8.77		8.70	8.20		6.88	9.06	
Asano, Natsumi (JPN) (1998)		time		3.25	4.43	5.51	6.61	7.70	8.81	9.93		12.23	12.23	/ 7			
reaction time	0.157	interval			1.18	1.08	1.10	1.09	1.11	1.12		2.30		# of strides	4.43	3.27	
		velocity		6.15	8.47	9.26	9.09	9.17	9.01	8.93		8.70	8.18		6.77	9.17	
Sawatani, Yuzuka (JPN) (1999)		time		3.28	4.49	5.60	6.69	7.78	8.90	10.04		12.39	12.39	/ 8			
reaction time		interval			1.21	1.11	1.09	1.09	1.12	1.14		2.35		# of strides	4.49	3.29	
		velocity		6.10	8.26	9.01	9.17	9.17	8.93	8.77		8.51	8.07		6.68	9.12	

2016 Japanese National Championships (Nagoya, JPN)

FINAL

date 25-Jun-16 wind -0.2 m/s

Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)		time	2.01	3.15	4.21	5.24	6.26	7.27	8.30	9.34	10.38	11.45	11.45	6 / 1			
reaction time	0.141	interval		1.14	1.06	1.03	1.02	1.01	1.03	1.04	1.04	1.07		# of strides	4.21	3.06	3.11
		velocity	4.98	8.77	9.43	9.71	9.80	9.90	9.71	9.62	9.62	9.35	8.73	53.3	7.13	9.80	9.65
Saito, Ami (JPN) (1999)		time	2.15	3.34	4.40	5.45	6.47	7.50	8.54	9.59	10.66	11.74	11.74	3 / 2			
reaction time	0.161	interval		1.19	1.06	1.05	1.02	1.03	1.04	1.05	1.07	1.08		# of strides	4.40	3.10	3.16
		velocity	4.65	8.40	9.43	9.52	9.80	9.71	9.62	9.52	9.35	9.26	8.52	55.4	6.82	9.68	9.49
Seko, Nodoka (JPN) (1991)		time	2.02	3.19	4.27	5.31	6.35	7.39	8.46	9.53	10.63	11.75	11.75	5 / 3			
reaction time	0.145	interval		1.17	1.08	1.04	1.04	1.04	1.07	1.07	1.10	1.12		# of strides	4.27	3.12	3.24
		velocity	4.95	8.55	9.26	9.62	9.62	9.62	9.35	9.35	9.09	8.93	8.51	54.5	7.03	9.62	9.26

2016 Fuse Sprint (Tottori, JPN)

FINAL

date 05-Jun-16 wind 0.7 m/s

Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seko, Nodoka (JPN) (1991)		time	2.02	3.18	4.24	5.28	6.31	7.33	8.37	9.42	10.48	11.57	11.57	/ 1			
reaction time		interval		1.16	1.06	1.04	1.03	1.02	1.04	1.05	1.06	1.09	PB	# of strides	4.24	3.09	3.15
		velocity	4.95	8.62	9.43	9.62	9.71	9.80	9.62	9.52	9.43	9.17	8.64	54.3	7.08	9.71	9.52
Matsuda, Yumi (JPN) (1994)		time	2.04	3.19	4.24	5.29	6.33	7.37	8.43	9.49	10.58	11.69	11.69	/ 2			
reaction time		interval		1.15	1.05	1.05	1.04	1.04	1.06	1.06	1.09	1.11	PB	# of strides	4.24	3.13	3.21
		velocity	4.90	8.70	9.52	9.52	9.62	9.62	9.43	9.43	9.17	9.01	8.55	53.9	7.08	9.58	9.35
Wada, Maki (JPN) (1986)		time	2.05	3.21	4.28	5.34	6.38	7.43	8.48	9.56	10.65	11.77	11.77	/ 3			
reaction time		interval		1.16	1.07	1.06	1.04	1.05	1.05	1.08	1.09	1.12		# of strides	4.28	3.15	3.22
		velocity	4.88	8.62	9.35	9.43	9.62	9.52	9.52	9.26	9.17	8.93	8.50	55.8	7.01	9.52	9.32

Heat 6

date 05-Jun-16 wind 1.1 m/s

Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seko, Nodoka (JPN) (1991)		time	2.04	3.21	4.28	5.32	6.35	7.39	8.44	9.50	10.57	11.68	11.68	/ 1			
reaction time		interval		1.17	1.07	1.04	1.03	1.04	1.05	1.06	1.07	1.11		# of strides	4.28	3.11	3.18
		velocity	4.90	8.55	9.35	9.62	9.71	9.62	9.52	9.43	9.35	9.01	8.56	54.8	7.01	9.65	9.43

2016 Schweizer Verein Meisterschaften (St. Gallen, SUI)

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 21-May-16 wind -1.8m/s *Swiss Athletics (2016) - sprint and hurdle analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kora, Salomé (SUI) (1994)	time					6.49					11.76	0.14	/ 1			
reaction time	interval										5.27		# of strides			
	velocity					7.70					9.49	690.91				
Atcho, Sarah (SUI) (1995)	time					6.53					11.92	11.92	/ 2			
reaction time	interval										5.39		# of strides			
	velocity					7.66					9.28	8.39				
Weiss, Lena (SUI) (1994)	time					6.56					12.17	12.17	/ 3			
reaction time	interval										5.61		# of strides			
	velocity					7.62					8.91	8.22				
Dagry, Samantha (SUI) (1994)	time					6.64					12.23	12.23	/ 4			
reaction time	interval										5.59		# of strides			
	velocity					7.53					8.94	8.18				

2016 Seiko Golden Grand Prix (Kawasaki, JPN)

FINAL date 08-May-16 wind -1.7 m/s *Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bartoletta, Tianna (USA) (1985)	time	2.01	3.12	4.15	5.15	6.12	7.10	8.09	9.11	10.16	11.23	11.23	5 / 1			
reaction time	interval		1.11	1.03	1.00	0.97	0.98	0.99	1.02	1.05	1.07		# of strides	4.15	2.95	3.06
	velocity	4.98	9.01	9.71	10.00	10.31	10.20	10.10	9.80	9.52	9.35	8.90	51.1	7.23	10.17	9.80
Okagbare, Blessing (NGR) (1988)	time	2.11	3.24	4.27	5.27	6.25	7.23	8.23	9.24	10.26	11.30	11.30	7 / 2			
reaction time	interval		1.13	1.03	1.00	0.98	0.98	1.00	1.01	1.02	1.04		# of strides	4.27	2.96	3.03
	velocity	4.74	8.85	9.71	10.00	10.20	10.20	10.00	9.90	9.80	9.62	8.85	48.5	7.03	10.14	9.90
Pierre, Barbara (USA) (1987)	time	1.99	3.10	4.14	5.13	6.12	7.12	8.15	9.20	10.29	11.40	11.40	4 / 3			
reaction time	interval		1.11	1.04	0.99	0.99	1.00	1.03	1.05	1.09	1.11		# of strides	4.14	2.98	3.17
	velocity	5.03	9.01	9.62	10.10	10.10	10.00	9.71	9.52	9.17	9.01	8.77	56.4	7.25	10.07	9.46

2016 Hürden-und Sprintmeeting (Basel, SUI)

FINAL date 07-May-16 wind 0.4 m/s *Swiss Athletics (2016) - sprint and hurdle analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kora, Salomé (SUI) (1994)	time					6.34					11.49	11.49	/ 1			
reaction time	interval										5.15	PB	# of strides			
	velocity					7.89					9.71	8.70				
Rard-Reuse, Clélia (SUI) (1988)	time					6.40					11.70	11.70	/ 2			
reaction time	interval										5.30		# of strides			
	velocity					7.81					9.43	8.55				
Del Ponte, Ajla (SUI) (1996)	time					6.46					11.85	11.85	/ 3			
reaction time	interval										5.39		# of strides			
	velocity					7.74					9.28	8.44				
Atcho, Sarah (SUI) (1995)	time					6.56					11.85	11.85	/ 4			
reaction time	interval										5.29		# of strides			
	velocity					7.62					9.45	8.44				

2016 Mikio Oda Memorial (Hiroshima, JPN)

FINAL date 29-Apr-16 wind -1.8 m/s *Matsuo (2016) - speed, frequency, and stride analysis of male & female 100m sprinters*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Breen, Melissa (AUS) (1990)	time	2.11	3.26	4.32	5.34	6.34	7.37	8.41	9.45	10.52	11.59	11.59	/ 1			
reaction time	interval		1.15	1.06	1.02	1.00	1.03	1.04	1.04	1.07	1.07		# of strides	4.32	3.05	3.15
	velocity	4.74	8.70	9.43	9.80	10.00	9.71	9.62	9.62	9.35	9.35	8.63	50.3	6.94	9.84	9.52

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

FINAL date 27-Feb-16 *Swiss Athletics (2016) - sprint and hurdle analysis*

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kambundji, Mujinga (SUI) (1992)	time			4.24			7.21	7.21	/ 1			
reaction time	interval						2.97		# of strides	4.24	2.97	
	velocity			7.08			10.10	8.32	32.0	7.08	10.10	
Kora, Salomé (SUI) (1994)	time			4.38			7.39	7.39	/ 2			
reaction time	interval						3.01	PB	# of strides	4.38	3.01	
	velocity			6.85			9.97	8.12	32.9	6.85	9.97	
Atcho, Sarah (SUI) (1995)	time			4.38			7.45	7.45	/ 3			
reaction time	interval						3.07	PB	# of strides	4.38	3.07	
	velocity			6.85			9.77	8.05	31.2	6.85	9.77	
Del Ponte, Ajla (SUI) (1996)	time			4.38			7.52	7.52	/ 4			

reaction time	interval			3.14			# of strides	4.38	3.14
	velocity	6.85		9.55		7.98	32.8	6.85	9.55
Sprunger, Ellen (SUI) (1986)	time	4.44		7.56		7.56	/ 5		
reaction time	interval			3.12			# of strides	4.44	3.12
	velocity	6.76		9.62		7.94	31.6	6.76	9.62
Keller, Charlène (SUI) (1994)	time	4.45		7.59		7.59	/ 6		
reaction time	interval			3.14			# of strides	4.45	3.14
	velocity	6.74		9.55		7.91	30.3	6.74	9.55
Dagry, Samantha (SUI) (1994)	time	4.47		7.65		7.65	/ 7		
reaction time	interval			3.18		=PB	# of strides	4.47	3.18
	velocity	6.71		9.43		7.84	32.8	6.71	9.43
Humair, Aurélie (SUI) (1989)	time	4.45		7.71		7.71	/ 8		
reaction time	interval			3.26			# of strides	4.45	3.26
	velocity	6.74		9.20		7.78	35.2	6.74	9.20

Semi-Final 2

date 27-Feb-16

Swiss Athletics (2016) - sprint and hurdle analysis

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kambundji, Mujinga (SUI) (1992)	time			4.28			7.32	7.32	/ 1			
reaction time	interval						3.04		# of strides	4.28	3.04	
	velocity			7.01			9.87	8.20		7.01	9.87	
Del Ponte, Ajla (SUI) (1996)	time			4.42			7.56	7.56	/ 2			
reaction time	interval						3.14		# of strides	4.42	3.14	
	velocity			6.79			9.55	7.94		6.79	9.55	
Sprunger, Ellen (SUI) (1986)	time			4.45			7.62	7.62	/ 3			
reaction time	interval						3.17		# of strides	4.45	3.17	
	velocity			6.74			9.46	7.87		6.74	9.46	
Dagry, Samantha (SUI) (1994)	time			4.48			7.65	7.65	/ 4			
reaction time	interval						3.17	PB	# of strides	4.48	3.17	
	velocity			6.70			9.46	7.84		6.70	9.46	
Frey, Géraldine (SUI) (1997)	time			4.47			7.67	7.67	/ 5			
reaction time	interval						3.20		# of strides	4.47	3.20	
	velocity			6.71			9.38	7.82		6.71	9.38	
Humair, Fanette (SUI) (1991)	time			4.53			7.78	7.78	/ 6			
reaction time	interval						3.25		# of strides	4.53	3.25	
	velocity			6.62			9.23	7.71		6.62	9.23	
van Beurden, Maartje (SUI) (2000)	time			4.57			7.93	7.93	/ 7			
reaction time	interval						3.36		# of strides	4.57	3.36	
	velocity			6.56			8.93	7.57		6.56	8.93	
van den Berg, Daphne (SUI) (199	time			4.64			7.99	7.99	/ 8			
reaction time	interval						3.35		# of strides	4.64	3.35	
	velocity			6.47			8.96	7.51		6.47	8.96	

Semi-Final 1

date 27-Feb-16

Swiss Athletics (2016) - sprint and hurdle analysis

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kora, Salomé (SUI) (1994)	time			4.42			7.47	7.47	/ 1			
reaction time	interval						3.05		# of strides	4.42	3.05	
	velocity			6.79			9.84	8.03		6.79	9.84	
Atcho, Sarah (SUI) (1995)	time			4.44			7.52	7.52	/ 2			
reaction time	interval						3.08		# of strides	4.44	3.08	
	velocity			6.76			9.74	7.98		6.76	9.74	
Keller, Charlène (SUI) (1994)	time			4.47			7.60	7.60	/ 3			
reaction time	interval						3.13		# of strides	4.47	3.13	
	velocity			6.71			9.58	7.89		6.71	9.58	
Humair, Aurélie (SUI) (1989)	time			4.43			7.67	7.67	/ 4			
reaction time	interval						3.24		# of strides	4.43	3.24	
	velocity			6.77			9.26	7.82		6.77	9.26	
Kambundji, Muswama (SUI) (199	time			4.47			7.68	7.68	/ 5			
reaction time	interval						3.21		# of strides	4.47	3.21	
	velocity			6.71			9.35	7.81		6.71	9.35	
Hauri, Majella (SUI) (1995)	time			4.50			7.81	7.81	/ 6			

	reaction time	interval					3.31				=PB	# of strides	4.50	3.31	
		velocity			6.67		9.06				7.68		6.67	9.06	
Vollenweider, Rahel (SUI) (1989)		time			4.65		7.93				7.93	/ 7			
	reaction time	interval					3.28					# of strides	4.65	3.28	
		velocity			6.45		9.15				7.57		6.45	9.15	
Keller, Melanie (SUI) (1994)		time			4.66		7.93				7.93	/ 8			
	reaction time	interval					3.27					# of strides	4.66	3.27	
		velocity			6.44		9.17				7.57		6.44	9.17	

2015 IAAF World Championships (Beijing, CHN)

FINAL

date 24-Aug-15 wind -0.3 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	0.161	no information available										10.76	5 / 1	# of strides	50.5	
Schippers, Dafne (NED) (1992)	0.129	no information available									NR PB	10.81	6 / 2	# of strides	46.7	
Bowie, Tori (USA) (1990)	0.153	no information available										10.86	7 / 3	# of strides	46.2	
Campbell-Brown, Veronica (JAM	0.137	no information available										10.91	4 / 4	# of strides	48.7	
Ahye, Michelle-Lee (TTO) (1992)	0.145	no information available										10.98	3 / 5	# of strides	50.2	
Baptiste, Kelly-Ann (TTO) (1986)	0.127	no information available										11.01	8 / 6	# of strides	51.0	
Morrison, Natasha (JAM) (1992)	0.200	no information available										11.02	2 / 7	# of strides	48.2	
Okagbare, Blessing (NGR) (1988)	0.185	no information available										11.02	9 / 8	# of strides	46.7	

2015 Japanese National High School Championships (Wakayama, JPN)

FINAL

date 30-Jul-15 wind -1.2 m/s *Enomoto (2015) - 68th high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edobar, Iyoba (JPN) (1997)	time			4.33	5.38	6.41	7.44	8.47	9.52	10.60	11.72	11.72	/ 1			
	reaction time	interval			1.05	1.03	1.03	1.03	1.05	1.08	1.12	PB	# of strides	4.33	3.11	3.16
		velocity		6.93	9.52	9.71	9.71	9.71	9.52	9.26	8.93	8.53		6.93	9.65	9.49
Shibayama, Sayaka (JPN) (1997)	time			4.33	5.40	6.44	7.52	8.58	9.66	10.75	11.89	11.89	/ 2			
	reaction time	interval			1.07	1.04	1.08	1.06	1.08	1.09	1.14		# of strides	4.33	3.19	3.23
		velocity		6.93	9.35	9.62	9.26	9.43	9.26	9.17	8.77	8.41		6.93	9.40	9.29
Nishio, Kaho (JPN) (1997)	time			4.38	5.44	6.48	7.55	8.61	9.69	10.78	11.91	11.91	/ 3			
	reaction time	interval			1.06	1.04	1.07	1.06	1.08	1.09	1.13		# of strides	4.38	3.17	3.23
		velocity		6.85	9.43	9.62	9.35	9.43	9.26	9.17	8.85	8.40		6.85	9.46	9.29
Araki, Shino (JPN) (1997)	time			4.33	5.40	6.44	7.53	8.60	9.69	10.81	11.96	11.96	/ 4			
	reaction time	interval			1.07	1.04	1.09	1.07	1.09	1.12	1.15	PB	# of strides	4.33	3.20	3.28
		velocity		6.93	9.35	9.62	9.17	9.35	9.17	8.93	8.70	8.36		6.93	9.38	9.15
Miyake, Marina (JPN) (1997)	time			4.40	5.48	6.55	7.61	8.67	9.74	10.83	11.97	11.97	/ 5			
	reaction time	interval			1.08	1.07	1.06	1.06	1.07	1.09	1.14		# of strides	4.40	3.21	3.22
		velocity		6.82	9.26	9.35	9.43	9.43	9.35	9.17	8.77	8.35		6.82	9.35	9.32
Nakano, Makoto (JPN) (1997)	time			4.33	5.41	6.44	7.53	8.60	9.69	10.81	11.98	11.98	/ 6			
	reaction time	interval			1.08	1.03	1.09	1.07	1.09	1.12	1.17		# of strides	4.33	3.20	3.28
		velocity		6.93	9.26	9.71	9.17	9.35	9.17	8.93	8.55	8.35		6.93	9.38	9.15
Kawamura, Tomomi (JPN) (1997)	time			4.40	5.48	6.51	7.60	8.68	9.78	10.89	12.04	12.04	/ 7			
	reaction time	interval			1.08	1.03	1.09	1.08	1.10	1.11	1.15		# of strides	4.40	3.20	3.29
		velocity		6.82	9.26	9.71	9.17	9.26	9.09	9.01	8.70	8.31		6.82	9.38	9.12
Yoshino, Shiori (JPN) (1999)	time			4.45	5.56	6.62	7.69	8.76	9.85	10.96	12.11	12.11	/ 8			
	reaction time	interval			1.11	1.06	1.07	1.07	1.09	1.11	1.15		# of strides	4.45	3.24	3.27
		velocity		6.74	9.01	9.43	9.35	9.35	9.17	9.01	8.70	8.26		6.74	9.26	9.17

2015 Windsprint (Sundsvall, SWE)

A FINAL

date 26-Jul-15 wind 0.9 m/s *(2015) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Christania (JAM) (1994)	time			4.26			7.29		9.33		11.43	11.43	4 / 1			
	reaction time	interval					3.03		2.04		2.10		# of strides	4.26	3.03	
		velocity		7.04			9.90		9.80		9.52	8.75		7.04	9.90	
Latvala, Hanna-Maari (FIN) (1987)	time			4.42			7.54		9.64		11.81	11.81	5 / 2			
	reaction time	interval					3.12		2.10		2.17		# of strides	4.42	3.12	
		velocity		6.79			9.62		9.52		9.22	8.47		6.79	9.62	
Östlund, Elin (SWE) (1991)	time			4.51			7.57		9.69		11.86	11.86	6 / 3			
	reaction time	interval					3.06		2.12		2.17		# of strides	4.51	3.06	
		velocity		6.65			9.80		9.43		9.22	8.43		6.65	9.80	
Busk, Daniela (SWE) (1993)	time			4.51			7.67		9.78		11.92	11.92	3 / 4			
	reaction time	interval					3.16		2.11		2.14		# of strides	4.51	3.16	

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

		velocity			6.65		9.49		9.48		9.35	8.39		6.65	9.49
Slettum, Elisabeth (NOR) (1986)		time			4.51		7.66		9.78		11.95	11.95	2 / 5		
	reaction time	interval					3.15		2.12		2.17		# of strides	4.51	3.15
		velocity			6.65		9.52		9.43		9.22	8.37		6.65	9.52
Bamane, Gladys (SWE) (1989)		time			4.42		7.66		9.82		12.03	12.03	7 / 6		
	reaction time	interval					3.24		2.16		2.21		# of strides	4.42	3.24
		velocity			6.79		9.26		9.26		9.05	8.31		6.79	9.26

B FINAL

date 26-Jul-15 wind 2.1 m/s *(2015) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Östlund, Jessica (SWE) (1993)		time		4.44			7.56		9.70		11.87	11.87	3 / 1			
	reaction time	interval					3.12		2.14		2.17		# of strides	4.44	3.12	
		velocity		6.76			9.62		9.35		9.22	8.42		6.76	9.62	
Brubak, Mari Gilde (NOR) (1990)		time		4.44			7.59		9.75		11.97	11.97	4 / 2			
	reaction time	interval					3.15		2.16		2.22		# of strides	4.44	3.15	
		velocity		6.76			9.52		9.26		9.01	8.35		6.76	9.52	
Larsson, Caroline (SWE) (1993)		time		4.53			7.66		9.82		12.05	12.05	5 / 3			
	reaction time	interval					3.13		2.16		2.23		# of strides	4.53	3.13	
		velocity		6.62			9.58		9.26		8.97	8.30		6.62	9.58	
Ström, Malin (SWE) (1986)		time		4.50			7.73		9.90		12.15	12.15	7 / 4			
	reaction time	interval					3.23		2.17		2.25		# of strides	4.50	3.23	
		velocity		6.67			9.29		9.22		8.89	8.23		6.67	9.29	
Hässel, Julia (SWE) (1994)		time		4.77			8.16		10.45		12.81	12.81	6 / 5			
	reaction time	interval					3.39		2.29		2.36		# of strides	4.77	3.39	
		velocity		6.29			8.85		8.73		8.47	7.81		6.29	8.85	

C FINAL

date 26-Jul-15 wind 0.1 m/s *(2015) - www.windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nilsson, Evelina (SWE) (1994)		time		4.46			7.72		9.94		12.24	12.24	2 / 1			
	reaction time	interval					3.26		2.22		2.30		# of strides	4.46	3.26	
		velocity		6.73			9.20		9.01		8.70	8.17		6.73	9.20	
Næss, Heidi Hessan (NOR) (1989		time					7.91		10.13		12.42	12.42	3 / 2			
	reaction time	interval							2.22		2.29		# of strides			
		velocity					7.59		9.01		8.73	8.05				
Finstad Busch, Karin (NOR) (199		time					7.87		10.14		12.48	12.48	4 / 3			
	reaction time	interval							2.27		2.34		# of strides			
		velocity					7.62		8.81		8.55	8.01				
Viken, Julie (NOR) (1997)		time					8.04		10.33		12.54	12.54	5 / 4			
	reaction time	interval							2.29		2.21		# of strides			
		velocity					7.46		8.73		9.05	7.97				
Palm, Josefin (SWE) (1994)		time					7.94		10.23		12.63	12.63	6 / 5			
	reaction time	interval							2.29		2.40		# of strides			
		velocity					7.56		8.73		8.33	7.92				
Skagersten, Lisa (SWE) (1992)		time					8.05		10.34		12.64	12.64	7 / 6			
	reaction time	interval							2.29		2.30		# of strides			
		velocity					7.45		8.73		8.70	7.91				

2015 Japanese National Championships (Niigata, JPN)

FINAL

date 28-Jun-15 wind -0.3 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)		time	2.01	3.15	4.21	5.24	6.26	7.28	8.31	9.35	10.42	11.50	11.50	7 / 1		
	reaction time 0.132	interval		1.14	1.06	1.03	1.02	1.02	1.03	1.04	1.07	1.08		# of strides	4.21	3.07	3.14
		velocity	4.98	8.77	9.43	9.71	9.80	9.80	9.71	9.62	9.35	9.26	8.70	53.5	7.13	9.77	9.55
Miyazawa, Yuki (JPN) (1990)		time	2.04	3.21	4.29	5.34	6.36	7.42	8.48	9.56	10.64	11.77	11.77	4 / 2		
	reaction time 0.158	interval		1.17	1.08	1.05	1.02	1.06	1.06	1.08	1.08	1.13		# of strides	4.29	3.13	3.22
		velocity	4.90	8.55	9.26	9.52	9.80	9.43	9.43	9.26	9.26	8.85	8.50	53.0	6.99	9.58	9.32
Doi, Anna (JPN) (1995)		time	2.06	3.21	4.28	5.33	6.39	7.44	8.50	9.59	10.70	11.83	11.83	5 / 3		
	reaction time 0.156	interval		1.15	1.07	1.05	1.06	1.05	1.06	1.09	1.11	1.13		# of strides	4.28	3.16	3.26
		velocity	4.85	8.70	9.35	9.52	9.43	9.52	9.43	9.17	9.01	8.85	8.45	54.0	7.01	9.49	9.20
Edobar, Iyoba (JPN) (1997)		time	2.10	3.28	4.36	5.41	6.46	7.51	8.57	9.65	10.74	11.86	11.86	2 / 4		
	reaction time 0.169	interval		1.18	1.08	1.05	1.05	1.05	1.06	1.08	1.09	1.12		# of strides	4.36	3.15	3.23

	velocity	4.76	8.47	9.26	9.52	9.52	9.52	9.43	9.26	9.17	8.93	8.43	52.2	6.88	9.52	9.29

Semi-Final 2

date 28-Jun-15 wind -1.5 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Miyazawa, Yuki (JPN) (1990)	time	2.05	3.23	4.31	5.36	6.40	7.45	8.51	9.58	10.70	11.85	11.85	4 / 1			
reaction time 0.150	interval		1.18	1.08	1.05	1.04	1.05	1.06	1.07	1.12	1.15		# of strides	4.31	3.14	3.25
	velocity	4.88	8.47	9.26	9.52	9.62	9.52	9.43	9.35	8.93	8.70	8.44	54.0	6.96	9.55	9.23

Semi-Final 1

date 28-Jun-15 wind 1.9 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.01	3.13	4.18	5.20	6.21	7.21	8.23	9.28	10.34	11.42	11.42	6 / 1			
reaction time 0.137	interval		1.12	1.05	1.02	1.01	1.00	1.02	1.05	1.06	1.08		# of strides	4.18	3.03	3.13
	velocity	4.98	8.93	9.52	9.80	9.90	10.00	9.80	9.52	9.43	9.26	8.76	52.5	7.18	9.90	9.58
Seko, Nodoka (JPN) (1991)	time	2.03	3.17	4.26	5.31	6.35	7.39	8.46	9.56	10.67	11.80	11.80	5 / 2			
reaction time 0.162	interval		1.14	1.09	1.05	1.04	1.04	1.07	1.10	1.11	1.13		# of strides	4.26	3.13	3.28
	velocity	4.93	8.77	9.17	9.52	9.62	9.62	9.35	9.09	9.01	8.85	8.47	55.7	7.04	9.58	9.15

Heat 3

date 27-Jun-15 wind -0.5 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time	1.98	3.15	4.23	5.27	6.30	7.35	8.41	9.49	10.59	11.72	11.72	3 / 1			
reaction time 0.142	interval		1.17	1.08	1.04	1.03	1.05	1.06	1.08	1.10	1.13		# of strides	4.23	3.12	3.24
	velocity	5.05	8.55	9.26	9.62	9.71	9.52	9.43	9.26	9.09	8.85	8.53	54.0	7.09	9.62	9.26
Ichikawa, Kana (JPN) (1991)	time	2.10	3.27	4.35	5.39	6.43	7.48	8.53	9.60	10.70	11.82	11.82	5 / 2			
reaction time 0.147	interval		1.17	1.08	1.04	1.04	1.05	1.05	1.07	1.10	1.12		# of strides	4.35	3.13	3.22
	velocity	4.76	8.55	9.26	9.62	9.62	9.52	9.52	9.35	9.09	8.93	8.46	50.0	6.90	9.58	9.32

Heat 2

date 27-Jun-15 wind 0.0 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Watanabe, Mayumi (JPN) (1983)	time	2.09	3.25	4.32	5.36	6.40	7.46	8.52	9.61	10.72	11.86	11.86	5 / 2			
reaction time 0.215	interval		1.16	1.07	1.04	1.04	1.06	1.06	1.09	1.11	1.14		# of strides	4.32	3.14	3.26
	velocity	4.78	8.62	9.35	9.62	9.62	9.43	9.43	9.17	9.01	8.77	8.43	53.7	6.94	9.55	9.20

2015 Seiko Golden Grand Prix (Kawasaki, JPN)

FINAL

date 10-May-15 wind 1.2 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bartoletta, Tianna (USA) (1985)	time	2.01	3.13	4.18	5.19	6.19	7.18	8.18	9.18	10.20	11.26	11.26	5 / 1			
reaction time	interval		1.12	1.05	1.01	1.00	0.99	1.00	1.00	1.02	1.06		# of strides	4.18	3.00	3.02
	velocity	4.98	8.93	9.52	9.90	10.00	10.10	10.00	10.00	9.80	9.43	8.88	49.2	7.18	10.00	9.93
Facey, Simone (JAM) (1985)	time	2.02	3.16	4.20	5.22	6.22	7.22	8.21	9.22	10.24	11.27	11.27	4 / 3			
reaction time	interval		1.14	1.04	1.02	1.00	1.00	0.99	1.01	1.02	1.03		# of strides	4.20	3.02	3.02
	velocity	4.95	8.77	9.62	9.80	10.00	10.00	10.10	9.90	9.80	9.71	8.87	49.7	7.14	9.93	9.93
Breen, Melissa (AUS) (1990)	time	2.07	3.22	4.28	5.30	6.32	7.33	8.34	9.38	10.41	11.49	11.49	6 / 5			
reaction time	interval		1.15	1.06	1.02	1.02	1.01	1.01	1.04	1.03	1.08		# of strides	4.28	3.05	3.08
	velocity	4.83	8.70	9.43	9.80	9.80	9.90	9.90	9.62	9.71	9.26	8.70	50.7	7.01	9.84	9.74
Seko, Nodoka (JPN) (1991)	time	2.03	3.19	4.28	5.32	6.36	7.40	8.44	9.50	10.57	11.65	11.65	7 / 6			
reaction time	interval		1.16	1.09	1.04	1.04	1.04	1.04	1.06	1.07	1.08		# of strides	4.28	3.12	3.17
	velocity	4.93	8.62	9.17	9.62	9.62	9.62	9.62	9.43	9.35	9.26	8.58	55.5	7.01	9.62	9.46
Kitakaze, Saori (JPN) (1985)	time	2.04	3.20	4.28	5.33	6.36	7.40	8.45	9.52	10.62	11.73	11.73	8 / 7			
reaction time	interval		1.16	1.08	1.05	1.03	1.04	1.05	1.07	1.10	1.11		# of strides	4.28	3.12	3.22
	velocity	4.90	8.62	9.26	9.52	9.71	9.62	9.52	9.35	9.09	9.01	8.53	58.2	7.01	9.62	9.32

2015 Mikio Oda Memorial (Hiroshima, JPN)

FINAL

date 19-Apr-15 wind -0.2 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Breen, Melissa (AUS) (1990)	time	2.07	3.22	4.27	5.29	6.30	7.31	8.33	9.36	10.40	11.47	11.47	6 / 1			
reaction time	interval		1.15	1.05	1.02	1.01	1.01	1.02	1.03	1.04	1.07		# of strides	4.27	3.04	3.09
	velocity	4.83	8.70	9.52	9.80	9.90	9.90	9.80	9.71	9.62	9.35	8.72	50.0	7.03	9.87	9.71
Watanabe, Mayumi (JPN) (1983)	time	2.08	3.25	4.33	5.37	6.39	7.43	8.48	9.54	10.63	11.74	11.74	3 / 2			
reaction time	interval		1.17	1.08	1.04	1.02	1.04	1.05	1.06	1.09	1.11		# of strides	4.33	3.10	3.20
	velocity	4.81	8.55	9.26	9.62	9.80	9.62	9.52	9.43	9.17	9.01	8.52	53.5	6.93	9.68	9.38
Doi, Anna (JPN) (1995)	time	2.04	3.20	4.27	5.31	6.35	7.40	8.45	9.53	10.62	11.74	11.74	5 / 3			
reaction time	interval		1.16	1.07	1.04	1.04	1.05	1.05	1.08	1.09	1.12		# of strides	4.27	3.13	3.22
	velocity	4.90	8.62	9.35	9.62	9.62	9.52	9.52	9.26	9.17	8.93	8.52	54.2	7.03	9.58	9.32
Ichikawa, Kana (JPN) (1991)	time	2.11	3.33	4.41	5.48	6.53	7.58	8.63	9.69	10.75	11.85	11.85	4 / 4			
reaction time	interval		1.22	1.08	1.07	1.05	1.05	1.05	1.06	1.06	1.10		# of strides	4.41	3.17	3.17
	velocity	4.74	8.20	9.26	9.35	9.52	9.52	9.52	9.43	9.43	9.09	8.44	50.2	6.80	9.46	9.46

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

Heat 3

date 19-Apr-15 wind 0.2 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time	2.06	3.22	4.29	5.33	6.37	7.41	8.46	9.54	10.63	11.75	11.75	6 / 1			
reaction time	interval		1.16	1.07	1.04	1.04	1.04	1.05	1.08	1.09	1.12		# of strides	4.29	3.12	3.22
	velocity	4.85	8.62	9.35	9.62	9.62	9.62	9.52	9.26	9.17	8.93	8.51	54.5	6.99	9.62	9.32

Heat 1

date 19-Apr-15 wind 0.8 m/s *Matsuo (2015) - 2015 men's & women's 100m race analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Watanabe, Mayumi (JPN) (1983)	time	2.03	3.19	4.26	5.29	6.33	7.36	8.42	9.50	10.60	11.73	11.73	6 / 2			
reaction time	interval		1.16	1.07	1.03	1.04	1.03	1.06	1.08	1.10	1.13		# of strides	4.26	3.10	3.24
	velocity	4.93	8.62	9.35	9.71	9.62	9.71	9.43	9.26	9.09	8.85	8.53	53.0	7.04	9.68	9.26

2014 Japanese National High School Championships (Kofu, JPN)

FINAL

date 31-Jul-14 wind -2.4 m/s *Yanagiya (2014) - research on athlete performance and technique- 2014 data book*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edobar, Iyoba (JPN) (1997)	time	2.13	3.32	4.42	5.49	6.55	7.61	8.70	9.80	10.93	12.06	12.06	/ 1			
reaction time	interval		1.19	1.10	1.07	1.06	1.06	1.09	1.10	1.13	1.13		# of strides	4.42	3.19	3.32
	velocity	4.69	8.40	9.09	9.35	9.43	9.43	9.17	9.09	8.85	8.85	8.29		6.79	9.40	9.04
Sato, Hinako (JPN) (1996)	time	2.06	3.27	4.39	5.48	6.55	7.64	8.73	9.83	10.94	12.07	12.07	/ 2			
reaction time	interval		1.21	1.12	1.09	1.07	1.09	1.09	1.10	1.11	1.13		# of strides	4.39	3.25	3.30
	velocity	4.85	8.26	8.93	9.17	9.35	9.17	9.17	9.09	9.01	8.85	8.29		6.83	9.23	9.09
Aoyama, Seika (JPN) (1996)	time	2.11	3.31	4.42	5.50	6.57	7.64	8.73	9.82	10.94	12.12	12.12	/ 3			
reaction time	interval		1.20	1.11	1.08	1.07	1.07	1.09	1.09	1.12	1.18		# of strides	4.42	3.22	3.30
	velocity	4.74	8.33	9.01	9.26	9.35	9.35	9.17	9.17	8.93	8.47	8.25		6.79	9.32	9.09
Adachi, Sayaka (JPN) (1996)	time	2.15	3.36	4.48	5.57	6.64	7.72	8.81	9.90	11.01	12.19	12.19	/ 4			
reaction time	interval		1.21	1.12	1.09	1.07	1.08	1.09	1.09	1.11	1.18		# of strides	4.48	3.24	3.29
	velocity	4.65	8.26	8.93	9.17	9.35	9.26	9.17	9.17	9.01	8.47	8.20		6.70	9.26	9.12

2014 Windsprint (Sundsvall, SWE)

A FINAL

date 20-Jul-14 wind 1.2 m/s *(2014) - www.ssg.se/windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Christania (JAM) (1994(	time			4.20			7.17		9.16		11.24	11.24	3 / 1			
reaction time	interval						2.97		1.99		2.08		# of strides	4.20	2.97	
	velocity			7.14			10.10		10.05		9.62	8.90		7.14	10.10	
Okparaebo, Ezinne (NOR) (1988)	time			4.19			7.19		9.21		11.32	11.32	5 / 2			
reaction time	interval						3.00		2.02		2.11		# of strides	4.19	3.00	
	velocity			7.16			10.00		9.90		9.48	8.83		7.16	10.00	
Morrison, Natasha (JAM) (1992)	time			4.23			7.23		9.25		11.34	11.34	4 / 3			
reaction time	interval						3.00		2.02		2.09		# of strides	4.23	3.00	
	velocity			7.09			10.00		9.90		9.57	8.82		7.09	10.00	
Eurenius, Isabelle (SWE) (1989)	time			4.46			7.59		9.69		11.83	11.83	2 / 4			
reaction time	interval						3.13		2.10		2.14	PB	# of strides	4.46	3.13	
	velocity			6.73			9.58		9.52		9.35	8.45		6.73	9.58	
Adriansson, Hanna (SWE) (1992)	time			4.43			7.59		9.73		11.92	11.92	7 / 5			
reaction time	interval						3.16		2.14		2.19		# of strides	4.43	3.16	
	velocity			6.77			9.49		9.35		9.13	8.39		6.77	9.49	
Slettum, Elisabeth (NOR) (1986)	time			4.59			7.77		9.88		12.04	12.04	6 / 6			
reaction time	interval						3.18		2.11		2.16		# of strides	4.59	3.18	
	velocity			6.54			9.43		9.48		9.26	8.31		6.54	9.43	
Morgan, Lynette (SWE) (1991)	time			4.48			7.71		9.87		12.06	12.06	1 / 7			
reaction time	interval						3.23		2.16		2.19	PB	# of strides	4.48	3.23	
	velocity			6.70			9.29		9.26		9.13	8.29		6.70	9.29	
Nikamo, Karolina (SWE) (1995)	time			4.47			7.65		9.82		12.07	12.07	8 / 8			
reaction time	interval						3.18		2.17		2.25		# of strides	4.47	3.18	
	velocity			6.71			9.43		9.22		8.89	8.29		6.71	9.43	

B FINAL

date 20-Jul-14 wind 2.3 m/s *(2014) - www.ssg.se/windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bamane, Gladys (SWE) (1989)	time			4.44			7.64		9.79		11.99	11.99	4 / 1			
reaction time	interval						3.20		2.15		2.20		# of strides	4.44	3.20	
	velocity			6.76			9.38		9.30		9.09	8.34		6.76	9.38	
Jensen, Christine (DEN) (1991)	time			4.54			7.72		9.87		12.04	12.04	6 / 2			
reaction time	interval						3.18		2.15		2.17		# of strides	4.54	3.18	

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

		velocity		6.61		9.43		9.30		9.22	8.31		6.61	9.43
Johansson, Malin (SWE) (1992)		time		4.56		7.77		9.92		12.13	12.13	2 / 3		
	reaction time	interval				3.21		2.15		2.21		# of strides	4.56	3.21
		velocity		6.58		9.35		9.30		9.05	8.24		6.58	9.35
Östlund, Jessica (SWE) (1993)		time		4.51		7.71		9.88		12.14	12.14	7 / 4		
	reaction time	interval				3.20		2.17		2.26		# of strides	4.51	3.20
		velocity		6.65		9.38		9.22		8.85	8.24		6.65	9.38
Sönnerfors, Marie (SWE) (1993)		time		4.57		7.80		9.99		12.23	12.23	3 / 5		
	reaction time	interval				3.23		2.19		2.24		# of strides	4.57	3.23
		velocity		6.56		9.29		9.13		8.93	8.18		6.56	9.29

C FINAL

date 20-Jul-14 wind 0.7 m/s *(2014) - www.ssg.se/windsprint/Splittider/*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Grønneberg, Alvilde (NOR) (1992		time			4.42			7.66		9.87		12.13	12.13	4 / 1			
	reaction time	interval						3.24		2.21		2.26		# of strides	4.42	3.24	
		velocity			6.79			9.26		9.05		8.85	8.24		6.79	9.26	
Næss, Heidi Hessan (NOR) (1989		time			4.56			7.81		9.97		12.17	12.17	5 / 2			
	reaction time	interval						3.25		2.16		2.20		# of strides	4.56	3.25	
		velocity			6.58			9.23		9.26		9.09	8.22		6.58	9.23	
Brubak, Mari Gilde (NOR) (1990)		time			4.50			7.76		9.94		12.18	12.18	3 / 3			
	reaction time	interval						3.26		2.18		2.24		# of strides	4.50	3.26	
		velocity			6.67			9.20		9.17		8.93	8.21		6.67	9.20	
Killander, Linnea (SWE) (1993)		time			4.61			7.81		9.99		12.22	12.22	6 / 4			
	reaction time	interval						3.20		2.18		2.23		# of strides	4.61	3.20	
		velocity			6.51			9.38		9.17		8.97	8.18		6.51	9.38	
Evensen, Marianne (NOR) (1996)		time			4.56			7.86		10.11		12.40	12.40	2 / 5			
	reaction time	interval						3.30		2.25		2.29		# of strides	4.56	3.30	
		velocity			6.58			9.09		8.89		8.73	8.06		6.58	9.09	
Nilsson, Evelina (SWE) (1994)		time			4.65			7.99		10.29		12.63	12.63	8 / 6			
	reaction time	interval						3.34		2.30		2.34		# of strides	4.65	3.34	
		velocity			6.45			8.98		8.70		8.55	7.92		6.45	8.98	
Gjesbakk, Vilde (NOR) (1996)		time			4.62			7.98		10.27		12.67	12.67	7 / 7			
	reaction time	interval						3.36		2.29		2.40		# of strides	4.62	3.36	
		velocity			6.49			8.93		8.73		8.33	7.89		6.49	8.93	

D FINAL

date 20-Jul-14 wind 3.1 m/s *(2014) - www.ssg.se/windsprint/Splittider/*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ullgren, Moa (SWE) (1996)		time			4.63			8.00		10.26		12.60	12.60	4 / 1			
	reaction time	interval						3.37		2.26		2.34		# of strides	4.63	3.37	
		velocity			6.48			8.90		8.85		8.55	7.94		6.48	8.90	
Panboon, Fanny (SWE) (1995)		time			4.56			7.91		10.23		12.68	12.68	3 / 2			
	reaction time	interval						3.35		2.32		2.45		# of strides	4.56	3.35	
		velocity			6.58			8.96		8.62		8.16	7.89		6.58	8.96	
Sögnesand, Emelie (NOR) (1994)		time			4.74			8.21		10.59		13.06	13.06	5 / 3			
	reaction time	interval						3.47		2.38		2.47		# of strides	4.74	3.47	
		velocity			6.33			8.65		8.40		8.10	7.66		6.33	8.65	
Sunneborn, Anna (SWE) (1970)		time			4.73			8.24		10.65		13.16	13.16	6 / 4			
	reaction time	interval						3.51		2.41		2.51		# of strides	4.73	3.51	
		velocity			6.34			8.55		8.30		7.97	7.60		6.34	8.55	

2014 Czech Republic National U20 Championships (Trinec, CZE)

FINAL

date 28-Jun-14 wind -4.5 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hofmanová, Martina (CZE) (1995		time	2.18	3.40	4.53	5.61	6.70	7.80	8.91	10.02	11.15	12.35	12.35	5 / 1			
	reaction time 0.157	interval		1.22	1.13	1.08	1.09	1.10	1.11	1.11	1.13	1.20		# of strides	4.53	3.27	3.35
		velocity	4.59	8.20	8.85	9.26	9.17	9.09	9.01	9.01	8.85	8.33	8.10		6.62	9.17	8.96
Kobiánová, Kristyna (CZE) (1995		time	2.19	3.40	4.53	5.62	6.71	7.81	8.93	10.05	11.22	12.44	12.44	6 / 2			
	reaction time 0.189	interval		1.21	1.13	1.09	1.09	1.10	1.12	1.12	1.17	1.22		# of strides	4.53	3.28	3.41
		velocity	4.57	8.26	8.85	9.17	9.17	9.09	8.93	8.93	8.55	8.20	8.04		6.62	9.15	8.80
Janoušová, Jana (CZE) (1995)		time	2.18	3.39	4.54	5.61	6.71	7.81	8.93	10.05	11.23	12.46	12.46	4 / 3			
	reaction time 0.146	interval		1.21	1.15	1.07	1.10	1.10	1.12	1.12	1.18	1.23		# of strides	4.54	3.27	3.42

	velocity	4.59	8.26	8.70	9.35	9.09	9.09	8.93	8.93	8.47	8.13	8.03		6.61	9.17	8.77
Homolová, Martina (CZE) (1996)	time	2.21	3.43	4.59	5.72	6.83	7.95	9.06	10.19	11.33	12.55	12.55	2 / 4			
reaction time 0.136	interval		1.22	1.16	1.13	1.11	1.12	1.11	1.13	1.14	1.22		# of strides	4.59	3.36	3.38
	velocity	4.52	8.20	8.62	8.85	9.01	8.93	9.01	8.85	8.77	8.20	7.97		6.54	8.93	8.88
Doležalová, Bára (CZE) (1996)	time	2.29	3.53	4.70	5.81	6.93	8.06	9.20	10.34	11.52	12.77	12.77	7 / 5			
reaction time 0.259	interval		1.24	1.17	1.11	1.12	1.13	1.14	1.14	1.18	1.25		# of strides	4.70	3.36	3.46
	velocity	4.37	8.06	8.55	9.01	8.93	8.85	8.77	8.77	8.47	8.00	7.83		6.38	8.93	8.67
Hlaváčková, Šárka (CZE) (1995)	time	2.21	3.43	4.59	5.71	6.84	7.98	9.14	10.30	11.50	12.78	12.78	1 / 6			
reaction time 0.117	interval		1.22	1.16	1.12	1.13	1.14	1.16	1.16	1.20	1.28		# of strides	4.59	3.39	3.52
	velocity	4.52	8.20	8.62	8.93	8.85	8.77	8.62	8.62	8.33	7.81	7.82		6.54	8.85	8.52
Prochová, Hana (CZE) (1996)	time	2.22	3.47	4.66	5.79	6.92	8.06	9.21	10.38	11.57	12.84	12.84	8 / 7			
reaction time 0.160	interval		1.25	1.19	1.13	1.13	1.14	1.15	1.17	1.19	1.27		# of strides	4.66	3.40	3.51
	velocity	4.50	8.00	8.40	8.85	8.85	8.77	8.70	8.55	8.40	7.87	7.79		6.44	8.82	8.55
Kadlecová, Adéla (CZE) (1996)	time	2.27	3.49	4.69	5.83	6.96	8.11	9.25	10.40	11.58	12.87	12.87	3 / 8			
reaction time 0.162	interval		1.22	1.20	1.14	1.13	1.15	1.14	1.15	1.18	1.29		# of strides	4.69	3.42	3.47
	velocity	4.41	8.20	8.33	8.77	8.85	8.70	8.77	8.70	8.47	7.75	7.77		6.40	8.77	8.65

Heat 3

date 28-Jun-14 wind -3.0 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hofmanová, Martina (CZE) (1995)	time		3.45		5.70		7.91		10.11		12.37	12.37	4 / 1			
reaction time 0.182	interval				2.25		2.21		2.20		2.26		# of strides			
	velocity		5.80		8.89		9.05		9.09		8.85	8.08				
Homolová, Martina (CZE) (1996)	time		3.48		5.79		8.02		10.23		12.50	12.50	5 / 2			
reaction time 0.142	interval				2.31		2.23		2.21		2.27		# of strides			
	velocity		5.75		8.66		8.97		9.05		8.81	8.00				
Padevetová, Markétá (CZE) (1995)	time		3.52		5.85		8.15		10.46		12.84	12.84	3 / 3			
reaction time 0.168	interval				2.33		2.30		2.31		2.38		# of strides			
	velocity		5.68		8.58		8.70		8.66		8.40	7.79				
Phan Tran Vi Thanh (CZE) (1995)	time		3.60		6.04		8.43		10.81		13.22	13.22	6 / 4			
reaction time 0.157	interval				2.44		2.39		2.38		2.41		# of strides			
	velocity		5.56		8.20		8.37		8.40		8.30	7.56				
Bouší, Kristyna (CZE) (1996)	time		3.65		6.07		8.46		10.88		13.37	13.37	2 / 5			
reaction time 0.187	interval				2.42		2.39		2.42		2.49		# of strides			
	velocity		5.48		8.26		8.37		8.26		8.03	7.48				
Adlerová, Kristyna (CZE) (1996)	time		3.70		6.15		8.53		10.96		13.48	13.48	7 / 6			
reaction time 0.368	interval				2.45		2.38		2.43		2.52		# of strides			
	velocity		5.41		8.16		8.40		8.23		7.94	7.42				

Heat 2

date 28-Jun-14 wind -3.2 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kobiánová, Kristyna (CZE) (1995)	time		3.40		5.64		7.85		10.10		12.44	12.44	4 / 1			
reaction time 0.186	interval				2.24		2.21		2.25		2.34		# of strides			
	velocity		5.88		8.93		9.05		8.89		8.55	8.04				
Doležalová, Bára (CZE) (1996)	time		3.48		5.74		7.95		10.21		12.57	12.57	5 / 2			
reaction time 0.216	interval				2.26		2.21		2.26		2.36		# of strides			
	velocity		5.75		8.85		9.05		8.85		8.47	7.96				
Prochová, Hana (CZE) (1996)	time		3.43		5.72		7.97		10.26		12.70	12.70	3 / 3			
reaction time 0.164	interval				2.29		2.25		2.29		2.44		# of strides			
	velocity		5.83		8.73		8.89		8.73		8.20	7.87				
Kubištová, Anežka (CZE) (1996)	time		3.62		5.97		8.28		10.63		13.03	13.03	6 / 4			
reaction time 0.245	interval				2.35		2.31		2.35		2.40		# of strides			
	velocity		5.52		8.51		8.66		8.51		8.33	7.67				
Votinská, Barbora (CZE) (1996)	time		3.62		6.03		8.40		10.81		13.32	13.32	7 / 5			
reaction time 0.173	interval				2.41		2.37		2.41		2.51		# of strides			
	velocity		5.52		8.30		8.44		8.30		7.97	7.51				

Heat 1

date 28-Jun-14 wind -0.1 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Janoušová, Jana (CZE) (1995)	time		3.35		5.55		7.71		9.91		12.17	12.17	4 / 1			
reaction time 0.101	interval				2.20		2.16		2.20		2.26		# of strides			
	velocity		5.97		9.09		9.26		9.09		8.85	8.22				

Kadlecová, Adéla (CZE) (1996)	time	3.53	5.81	7.97	10.14	12.41	12.41	5 / 2
reaction time 0.206	interval		2.28	2.16	2.17	2.27		# of strides
	velocity	5.67	8.77	9.26	9.22	8.81	8.06	
Hlaváčková, Šárka (CZE) (1995)	time	3.54	5.82	8.01	10.27	12.61	12.61	3 / 3
reaction time 0.218	interval		2.28	2.19	2.26	2.34		# of strides
	velocity	5.65	8.77	9.13	8.85	8.55	7.93	
Vodičková, Pavla (CZE) (1996)	time	3.62	5.97	8.24	10.55	12.93	12.93	6 / 4
reaction time 0.340	interval		2.35	2.27	2.31	2.38		# of strides
	velocity	5.52	8.51	8.81	8.66	8.40	7.73	
Švejodová, Monika (CZE) (1996)	time	3.73	6.18	8.55	10.96	13.46	13.46	7 / 5
reaction time 0.222	interval		2.45	2.37	2.41	2.50		# of strides
	velocity	5.36	8.16	8.44	8.30	8.00	7.43	
Caisová, Hana (CZE) (1995)	time	3.71	6.15	8.55	10.98	13.48	13.48	2 / 6
reaction time 0.212	interval		2.44	2.40	2.43	2.50		# of strides
	velocity	5.39	8.20	8.33	8.23	8.00	7.42	
Vélová, Adéla (CZE) (1995)	time	3.71	6.21	8.64	11.13	13.73	13.73	1 / 7
reaction time 0.173	interval		2.50	2.43	2.49	2.60		# of strides
	velocity	5.39	8.00	8.23	8.03	7.69	7.28	

2014 Czech Republic National U18 Championships (Trinec, CZE)

FINAL

date 28-Jun-14 wind -6.4 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Paličková, Veronika (CZE) (1997)	time	2.10	3.28	4.42	5.52	6.64	7.75	8.87	10.01	11.17	12.34	12.34	4 / 1			
reaction time 0.146	interval		1.18	1.14	1.10	1.12	1.11	1.12	1.14	1.16	1.17		# of strides	4.42	3.33	3.42
	velocity	4.76	8.47	8.77	9.09	8.93	9.01	8.93	8.77	8.62	8.55	8.10		6.79	9.01	8.77
Gerulová, Emily (CZE) (1997)	time	2.14	3.35	4.49	5.63	6.76	7.93	9.10	10.27	11.46	12.68	12.68	2 / 2			
reaction time 0.158	interval		1.21	1.14	1.14	1.13	1.17	1.17	1.17	1.19	1.22		# of strides	4.49	3.44	3.53
	velocity	4.67	8.26	8.77	8.77	8.85	8.55	8.55	8.55	8.40	8.20	7.89		6.68	8.72	8.50
Šafríková, Petra (CZE) (1998)	time	2.18	3.42	4.59	5.72	6.85	8.00	9.14	10.30	11.49	12.69	12.69	3 / 3			
reaction time 0.154	interval		1.24	1.17	1.13	1.13	1.15	1.14	1.16	1.19	1.20		# of strides	4.59	3.41	3.49
	velocity	4.59	8.06	8.55	8.85	8.85	8.70	8.77	8.62	8.40	8.33	7.88		6.54	8.80	8.60
Vávrová, Katerína (CZE) (1998)	time	2.16	3.40	4.58	5.74	6.90	8.07	9.23	10.40	11.58	12.76	12.76	5 / 4			
reaction time 0.126	interval		1.24	1.18	1.16	1.16	1.17	1.16	1.17	1.18	1.18		# of strides	4.58	3.49	3.51
	velocity	4.63	8.06	8.47	8.62	8.62	8.55	8.62	8.55	8.47	8.47	7.84		6.55	8.60	8.55
Zlatníková, Lucie (CZE) (1997)	time	2.22	3.49	4.65	5.81	6.96	8.13	9.31	10.50	11.72	12.97	12.97	6 / 5			
reaction time 0.184	interval		1.27	1.16	1.16	1.15	1.17	1.18	1.19	1.22	1.25		# of strides	4.65	3.48	3.59
	velocity	4.50	7.87	8.62	8.62	8.70	8.55	8.47	8.40	8.20	8.00	7.71		6.45	8.62	8.36
Bracháčková, Petra (CZE) (1997)	time	2.27	3.50	4.69	5.84	7.00	8.16	9.36	10.56	11.78	13.02	13.02	7 / 6			
reaction time 0.146	interval		1.23	1.19	1.15	1.16	1.16	1.20	1.20	1.22	1.24		# of strides	4.69	3.47	3.62
	velocity	4.41	8.13	8.40	8.70	8.62	8.62	8.33	8.33	8.20	8.06	7.68		6.40	8.65	8.29
Sejkorová, Michaela (CZE) (1997)	time	2.32	3.58	4.75	5.90	7.05	8.23	9.40	10.61	11.82	13.06	13.06	8 / 7			
reaction time 0.211	interval		1.26	1.17	1.15	1.15	1.18	1.17	1.21	1.21	1.24		# of strides	4.75	3.48	3.59
	velocity	4.31	7.94	8.55	8.70	8.70	8.47	8.55	8.26	8.26	8.06	7.66		6.32	8.62	8.36
Rajmonová, Anežka (CZE) (1997)	time	2.25	3.54	4.75	5.92	7.09	8.29	9.48	10.68	11.90	13.16	13.16	1 / 8			
reaction time 0.169	interval		1.29	1.21	1.17	1.17	1.20	1.19	1.20	1.22	1.26		# of strides	4.75	3.54	3.61
	velocity	4.44	7.75	8.26	8.55	8.55	8.33	8.40	8.33	8.20	7.94	7.60		6.32	8.47	8.31

Heat 3

date 28-Jun-14 wind -1.4 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Šafríková, Petra (CZE) (1998)	time		3.49		5.75		7.95		10.19		12.46	12.46	5 / 1			
reaction time 0.176	interval				2.26		2.20		2.24		2.27		# of strides			
	velocity		5.73		8.85		9.09		8.93		8.81	8.03				
Zlatníková, Lucie (CZE) (1997)	time		3.46		5.72		7.94		10.20		12.50	12.50	4 / 2			
reaction time 0.148	interval				2.26		2.22		2.26		2.30		# of strides			
	velocity		5.78		8.85		9.01		8.85		8.70	8.00				
Bracháčková, Petra (CZE) (1997)	time		3.53		5.80		8.04		10.34		12.70	12.70	7 / 3			
reaction time 0.192	interval				2.27		2.24		2.30		2.36		# of strides			
	velocity		5.67		8.81		8.93		8.70		8.47	7.87				
Rajmonová, Anežka (CZE) (1997)	time		3.58		5.89		8.14		10.43		12.72	12.72	6 / 4			
reaction time 0.188	interval				2.31		2.25		2.29		2.29		# of strides			
	velocity		5.59		8.66		8.89		8.73		8.73	7.86				

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

Valášková, Tereza (CZE) (1998)	time	3.48	5.75	8.01	10.34	12.73	12.73	3 / 5	
reaction time 0.169	interval		2.27	2.26	2.33	2.39		# of strides	
	velocity	5.75	8.81	8.85	8.58	8.37	7.86		
Belohlavová, Petra (CZE) (1998)	time	3.59	5.89	8.14	10.43	12.76	12.76	1 / 6	
reaction time 0.216	interval		2.30	2.25	2.29	2.33		# of strides	
	velocity	5.57	8.70	8.89	8.73	8.58	7.84		
Novosadová, Jana (CZE) (1997)	time	3.59	5.92	8.21	10.53	12.90	12.90	2 / 7	
reaction time 0.169	interval		2.33	2.29	2.32	2.37		# of strides	
	velocity	5.57	8.58	8.73	8.62	8.44	7.75		
Chodorová, Simona (CZE) (1998)	time	3.65	6.03	8.42	10.85	13.32	13.32	8 / 8	
reaction time 0.233	interval		2.38	2.39	2.43	2.47		# of strides	
	velocity	5.48	8.40	8.37	8.23	8.10	7.51		

Heat 2

date 28-Jun-14 wind -4.3 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Paličková, Veronika (CZE) (1997)	time		3.27		5.50		7.71		9.96		12.31	12.31	4 / 1			
reaction time 0.157	interval				2.23		2.21		2.25		2.35		# of strides			
	velocity		6.12		8.97		9.05		8.89		8.51	8.12				
Gerulová, Emily (CZE) (1997)	time		3.33		5.56		7.80		10.12		12.51	12.51	5 / 2			
reaction time 0.154	interval				2.23		2.24		2.32		2.39		# of strides			
	velocity		6.01		8.97		8.93		8.62		8.37	7.99				
Fuksová, Karolína (CZE) (1998)	time		3.58		5.93		8.26		10.63		13.03	13.03	6 / 3			
reaction time 0.455	interval				2.35		2.33		2.37		2.40		# of strides			
	velocity		5.59		8.51		8.58		8.44		8.33	7.67				
Patková, Dominika (CZE) (1997)	time		3.43		5.77		8.12		10.53		13.06	13.06	3 / 4			
reaction time 0.170	interval				2.34		2.35		2.41		2.53		# of strides			
	velocity		5.83		8.55		8.51		8.30		7.91	7.66				
Novotná, Lenka (CZE) (1997)	time		3.58		5.93		8.28		10.67		13.14	13.14	2 / 5			
reaction time 0.183	interval				2.35		2.35		2.39		2.47		# of strides			
	velocity		5.59		8.51		8.51		8.37		8.10	7.61				
Petrikovičová, Markéta (CZE) (199	time		3.65		6.05		8.44		10.85		13.34	13.34	7 / 6			
reaction time 0.245	interval				2.40		2.39		2.41		2.49		# of strides			
	velocity		5.48		8.33		8.37		8.30		8.03	7.50				
Sedláčková, Simona (CZE) (1997)	time		3.50		5.93		8.33		10.80		13.37	13.37	8 / 7			
reaction time 0.160	interval				2.43		2.40		2.47		2.57		# of strides			
	velocity		5.71		8.23		8.33		8.10		7.78	7.48				
Božková Katerina (CZE) (1998)	time		3.58		6.02		8.47		10.98		13.61	13.61	1 / 8			
reaction time 0.184	interval				2.44		2.45		2.51		2.63		# of strides			
	velocity		5.59		8.20		8.16		7.97		7.60	7.35				

Heat 1

date 28-Jun-14 wind -1.7 m/s *Feher (2014) - Final report from the U18 & U20 Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Vávrová, Katerína (CZE) (1998)	time		3.37		5.63		7.86		10.13		12.46	12.46	4 / 1			
reaction time 0.135	interval				2.26		2.23		2.27		2.33		# of strides			
	velocity		5.93		8.85		8.97		8.81		8.58	8.03				
Sejkorová, Michaela (CZE) (1997)	time		3.50		5.78		8.03		10.34		12.75	12.75	5 / 2			
reaction time 0.161	interval				2.28		2.25		2.31		2.41		# of strides			
	velocity		5.71		8.77		8.89		8.66		8.30	7.84				
Šuhájková, Anna (CZE) (1998)	time		3.49		5.80		8.05		10.35		12.76	12.76	3 / 3			
reaction time 0.125	interval				2.31		2.25		2.30		2.41		# of strides			
	velocity		5.73		8.66		8.89		8.70		8.30	7.84				
Niščáková, Veronika (CZE) (1997)	time		3.55		5.95		8.28		10.67		13.12	13.12	2 / 4			
reaction time 0.220	interval				2.40		2.33		2.39		2.45		# of strides			
	velocity		5.63		8.33		8.58		8.37		8.16	7.62				
Slavetínská, Karolína (CZE) (1997	time		3.62		5.99		8.32		10.68		13.15	13.15	6 / 5			
reaction time 0.221	interval				2.37		2.33		2.36		2.47		# of strides			
	velocity		5.52		8.44		8.58		8.47		8.10	7.60				
Vlková, Natálie (CZE) (1998)	time		3.46		5.85		8.24		10.66		13.19	13.19	1 / 6			
reaction time 0.136	interval				2.39		2.39		2.42		2.53		# of strides			
	velocity		5.78		8.37		8.37		8.26		7.91	7.58				

Rubášová, Nikola (CZE) (1998)	time	3.67	6.06	8.45	10.89	13.48	13.48	7 / 7	
reaction time 0.216	interval		2.39	2.39	2.44	2.59		# of strides	
	velocity	5.45	8.37	8.37	8.20	7.72	7.42		

2014 Japanese National Championships (Fukushima, JPN)

Heat 3

date 07-Jun-14 wind 1.1 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.08	3.22	4.27	5.30	6.32	7.35	8.37	9.42	10.48	11.57	11.57	7 / 1			
reaction time	interval		1.14	1.05	1.03	1.02	1.03	1.02	1.05	1.06	1.09		# of strides	4.27	3.08	3.13
	velocity	4.81	8.77	9.52	9.71	9.80	9.71	9.80	9.52	9.43	9.17	8.64	52.0	7.03	9.74	9.58

Heat 1

date 07-Jun-14 wind 0.7 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time	2.05	3.19	4.24	5.27	6.29	7.31	8.35	9.41	10.48	11.58	11.58	4 / 1			
reaction time	interval		1.14	1.05	1.03	1.02	1.02	1.04	1.06	1.07	1.10		# of strides	4.24	3.07	3.17
	velocity	4.88	8.77	9.52	9.71	9.80	9.80	9.62	9.43	9.35	9.09	8.64	54.4	7.08	9.77	9.46

2014 Seiko Golden Grand Prix (Tokyo, JPN)

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

FINAL

date 11-May-14 wind -0.8 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bartoletta, Tianna (USA) (1985)	time	2.01	3.14	4.17	5.16	6.15	7.12	8.11	9.12	10.14	11.18	11.18	4 / 1		Akirabun (2014)	
reaction time	interval		1.13	1.03	0.99	0.99	0.97	0.99	1.01	1.02	1.04		# of strides	4.17	2.95	3.02
	velocity	4.98	8.85	9.71	10.10	10.10	10.31	10.10	9.90	9.80	9.62	8.94	50.3	7.19	10.17	9.93
Breen, Melissa (AUS) (1990)	time	2.09	3.24	4.29	5.31	6.31	7.32	8.32	9.35	10.39	11.45	11.45	5 / 2		Akirabun (2014)	
reaction time	interval		1.15	1.05	1.02	1.00	1.01	1.00	1.03	1.04	1.06		# of strides	4.29	3.03	3.07
	velocity	4.78	8.70	9.52	9.80	10.00	9.90	10.00	9.71	9.62	9.43	8.73	51.6	6.99	9.90	9.77
Hayes, Chelsea (USA) (1988)	time	2.10	3.26	4.32	5.33	6.34	7.35	8.37	9.41	10.46	11.53	11.53	3 / 3		Akirabun (2014)	
reaction time	interval		1.16	1.06	1.01	1.01	1.01	1.02	1.04	1.05	1.07		# of strides	4.32	3.03	3.11
	velocity	4.76	8.62	9.43	9.90	9.90	9.90	9.80	9.62	9.52	9.35	8.67	47.4	6.94	9.90	9.65
Whittaker, Ashleigh (AUS) (1993)	time	2.10	3.25	4.33	5.36	6.37	7.40	8.44	9.48	10.54	11.62	11.62	2 / 4		Akirabun (2014)	
reaction time	interval		1.15	1.08	1.03	1.01	1.03	1.04	1.04	1.06	1.08		# of strides	4.33	3.07	3.14
	velocity	4.76	8.70	9.26	9.71	9.90	9.71	9.62	9.62	9.43	9.26	8.61	49.0	6.93	9.77	9.55
Doi, Anna (JPN) (1995)	time	2.05	3.21	4.27	5.31	6.34	7.38	8.42	9.49	10.57	11.68	11.68	6 / 5		Matsuo (2014)	
reaction time	interval		1.16	1.06	1.04	1.03	1.04	1.04	1.07	1.08	1.11		# of strides	4.27	3.11	3.19
	velocity	4.88	8.62	9.43	9.62	9.71	9.62	9.62	9.35	9.26	9.01	8.56	53.0	7.03	9.65	9.40
Watanabe, Mayumi (JPN) (1983)	time	2.06	3.21	4.27	5.30	6.32	7.37	8.42	9.50	10.60	11.73	11.73	8 / 7		Matsuo (2014)	
reaction time	interval		1.15	1.06	1.03	1.02	1.05	1.05	1.08	1.10	1.13		# of strides	4.27	3.10	3.23
	velocity	4.85	8.70	9.43	9.71	9.80	9.52	9.52	9.26	9.09	8.85	8.53	51.5	7.03	9.68	9.29
Kitakaze, Saori (JPN) (1985)	time	2.03	3.20	4.28	5.33	6.38	7.45	8.53	9.63	10.76	11.94	11.94	1 / 8		Matsuo (2014)	
reaction time	interval		1.17	1.08	1.05	1.05	1.07	1.08	1.10	1.13	1.18		# of strides	4.28	3.17	3.31
	velocity	4.93	8.55	9.26	9.52	9.52	9.35	9.26	9.09	8.85	8.47	8.38	57.7	7.01	9.46	9.06

2014 Mikio Oda Memorial (Hiroshima, JPN)

A FINAL

date 29-Apr-14 wind 1.5 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Breen, Melissa (AUS) (1990)	time	2.07	3.20	4.23	5.23	6.21	7.19	8.19	9.19	10.22	11.28	11.28	4 / 1			
reaction time	interval		1.13	1.03	1.00	0.98	0.98	1.00	1.00	1.03	1.06		# of strides	4.23	2.96	3.03
	velocity	4.83	8.85	9.71	10.00	10.20	10.20	10.00	10.00	9.71	9.43	8.87	50.7	7.09	10.14	9.90
Doi, Anna (JPN) (1995)	time	2.04	3.19	4.24	5.26	6.27	7.29	8.33	9.39	10.46	11.57	11.57	6 / 3			
reaction time	interval		1.15	1.05	1.02	1.01	1.02	1.04	1.06	1.07	1.11		# of strides	4.24	3.05	3.17
	velocity	4.90	8.70	9.52	9.80	9.90	9.80	9.62	9.43	9.35	9.01	8.64	54.4	7.08	9.84	9.46

Heat 3

date 29-Apr-14 wind 3.4 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Watanabe, Mayumi (JPN) (1983)	time	2.11	3.25	4.30	5.31	6.31	7.33	8.36	9.41	10.50	11.62	11.62	4 / 2			
reaction time	interval		1.14	1.05	1.01	1.00	1.02	1.03	1.05	1.09	1.12		# of strides	4.30	3.03	3.17
	velocity	4.74	8.77	9.52	9.90	10.00	9.80	9.71	9.52	9.17	8.93	8.61	51.9	6.98	9.90	9.46

Heat 2

date 29-Apr-14 wind 2.4 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time	2.07	3.22	4.26	5.27	6.27	7.27	8.30	9.35	10.41	11.50	11.50	6 / 1			
reaction time	interval		1.15	1.04	1.01	1.00	1.00	1.03	1.05	1.06	1.09		# of strides	4.26	3.01	3.14
	velocity	4.83	8.70	9.62	9.90	10.00	10.00	9.71	9.52	9.43	9.17	8.70	54.4	7.04	9.97	9.55

Heat 1

date 29-Apr-14 wind 3.5 m/s *Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race*

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

Fujimori, Anna (JPN) (1994)	time	2.07	3.22	4.29	5.33	6.35	7.37	8.41	9.45	10.51	11.61	11.61	4 / 2			
reaction time	interval		1.15	1.07	1.04	1.02	1.02	1.04	1.04	1.06	1.10		# of strides	4.29	3.08	3.14
	velocity	4.83	8.70	9.35	9.62	9.80	9.80	9.62	9.62	9.43	9.09	8.61	51.2	6.99	9.74	9.55

2013 IAAF World Championships (Moscow, RUS)

FINAL

date 12-Aug-13 wind -0.3 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	0.174	no information available										10.71	4 / 1		# of strides	50.5
Ahouré, Murielle (CIV) (1987)	0.165	no information available										10.93	6 / 2		# of strides	51.0
Jeter, Carmelita (USA) (1979)	0.156	no information available										10.94	5 / 3		# of strides	50.7
Gardner, English (USA) (1992)	0.151	no information available										10.97	2 / 4		# of strides	47.2
Stewart, Kerron (JAM) (1984)	0.229	no information available										10.97	8 / 5		# of strides	47.2
Okagbare, Blessing (NGR) (1988)	0.154	no information available										11.04	7 / 6		# of strides	46.7
Anderson, Alexandria (USA) (198	0.159	no information available										11.10	3 / 7		# of strides	47.5
Freeman, Octavious (USA) (1992)	0.179	no information available										11.16	9 / 8		# of strides	49.5

2013 Japanese National High School Championships (Oita, JPN)

FINAL

date 31-Jul-13 wind -0.5 m/s *Matsuo (2013) - 66th high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time	2.10	3.26	4.32	5.35	6.38	7.41	8.46	9.51	10.60	11.70	11.70	/ 1			
reaction time	interval		1.16	1.06	1.03	1.03	1.03	1.05	1.05	1.09	1.10		# of strides	4.32	3.09	3.19
	velocity	4.76	8.62	9.43	9.71	9.71	9.71	9.52	9.52	9.17	9.09	8.55		6.94	9.71	9.40
Nogabayashi, Yumi (JPN) (1995)	time	2.14	3.33	4.42	5.48	6.53	7.57	8.64	9.71	10.82	11.93	11.93	/ 2			
reaction time	interval		1.19	1.09	1.06	1.05	1.04	1.07	1.07	1.11	1.11		# of strides	4.42	3.15	3.25
	velocity	4.67	8.40	9.17	9.43	9.52	9.62	9.35	9.35	9.01	9.01	8.38		6.79	9.52	9.23
Jingbo, Yuki (JPN) (1995)	time	2.13	3.37	4.48	5.54	6.59	7.64	8.70	9.78	10.88	12.01	12.01	/ 4			
reaction time	interval		1.24	1.11	1.06	1.05	1.05	1.06	1.08	1.10	1.13		# of strides	4.48	3.16	3.24
	velocity	4.69	8.06	9.01	9.43	9.52	9.52	9.43	9.26	9.09	8.85	8.33		6.70	9.49	9.26
Aoyama, Seika (JPN) (1996)	time	2.13	3.31	4.41	5.48	6.55	7.62	8.69	9.77	10.88	12.02	12.02	/ 5			
reaction time	interval		1.18	1.10	1.07	1.07	1.07	1.07	1.08	1.11	1.14		# of strides	4.41	3.21	3.26
	velocity	4.69	8.47	9.09	9.35	9.35	9.35	9.35	9.26	9.01	8.77	8.32		6.80	9.35	9.20
Shigenaga, Noriko (JPN) (1995)	time	2.11	3.31	4.40	5.46	6.52	7.59	8.67	9.77	10.90	12.04	12.04	/ 6			
reaction time	interval		1.20	1.09	1.06	1.06	1.07	1.08	1.10	1.13	1.14		# of strides	4.40	3.19	3.31
	velocity	4.74	8.33	9.17	9.43	9.43	9.35	9.26	9.09	8.85	8.77	8.31		6.82	9.40	9.06
Oga, Haruka (JPN) (1995)	time	2.11	3.29	4.38	5.44	6.50	7.57	8.65	9.76	10.89	12.05	12.05	/ 7			
reaction time	interval		1.18	1.09	1.06	1.06	1.07	1.08	1.11	1.13	1.16		# of strides	4.38	3.19	3.32
	velocity	4.74	8.47	9.17	9.43	9.43	9.35	9.26	9.01	8.85	8.62	8.30		6.85	9.40	9.04

2013 Windsprint (Sundsvall, SWE)

A FINAL

date 28-Jul-13 wind 2.2 m/s *(2013) - www.ssg.se/windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Russell, Carrie (JAM) (1990)	time			4.15			7.04		9.00		11.03	11.03	4 / 1			
reaction time	interval						2.89		1.96		2.03		# of strides	4.15	2.89	
	velocity			7.23			10.38		10.20		9.85	9.07		7.23	10.38	
Morrison, Natasha (JAM) (1992)	time			4.21			7.14		9.09		11.12	11.12	5 / 2			
reaction time	interval						2.93		1.95		2.03		# of strides	4.21	2.93	
	velocity			7.13			10.24		10.26		9.85	8.99		7.13	10.24	
Lee, Muna (USA) (1981)	time			4.26			7.21		9.18		11.19	11.19	2 / 3			
reaction time	interval						2.95		1.97		2.01		# of strides	4.26	2.95	
	velocity			7.04			10.17		10.15		9.95	8.94		7.04	10.17	
Okbaraebo, Ezinne (NOR) (1988)	time			4.20			7.15		9.13		11.21	11.21	3 / 4			
reaction time	interval						2.95		1.98		2.08		# of strides	4.20	2.95	
	velocity			7.14			10.17		10.10		9.62	8.92		7.14	10.17	
Foster, Amy (IRL) (1988)	time			4.32			7.35		9.38		11.49	11.49	1 / 5			
reaction time	interval						3.03		2.03		2.11		# of strides	4.32	3.03	
	velocity			6.94			9.90		9.85		9.48	8.70		6.94	9.90	
Busk, Daniella (SWE) (1993)	time			4.44			7.50		9.55		11.68	11.68	7 / 6			
reaction time	interval						3.06		2.05		2.13		# of strides	4.44	3.06	
	velocity			6.76			9.80		9.76		9.39	8.56		6.76	9.80	
Katsura, Yuliya (RUS) (1983)	time			4.36			7.46		9.55		11.78	11.78	6 / 7			
reaction time	interval						3.10		2.09		2.23		# of strides	4.36	3.10	
	velocity			6.88			9.68		9.57		8.97	8.49		6.88	9.68	
Adriansson, Hanna (SWE) (1992)	time			4.42			7.54		9.68		11.91	11.91	8 / 8			

	reaction time	interval					3.12		2.14		2.23		# of strides	4.42	3.12	
		velocity			6.79		9.62		9.35		8.97	8.40		6.79	9.62	

B FINAL

date 28-Jul-13 wind 2.6 m/s *(2013) - www.ssg.se/windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hjelmer, Moa (SWE) (1990)	time			4.46			7.49		9.51		11.58	11.58	3 / 1			
reaction time	interval						3.03		2.02		2.07		# of strides	4.46	3.03	
	velocity			6.73			9.90		9.90		9.66	8.64		6.73	9.90	
Sandsjoe, Caroline (SWE) (1992)	time			4.39			7.49		9.57		11.73	11.73	2 / 2			
reaction time	interval						3.10		2.08		2.16		# of strides	4.39	3.10	
	velocity			6.83			9.68		9.62		9.26	8.53		6.83	9.68	
Slettum, Elisabeth (NOR) (1986)	time			4.56			7.66		9.73		11.85	11.85	4 / 3			
reaction time	interval						3.10		2.07		2.12		# of strides	4.56	3.10	
	velocity			6.58			9.68		9.66		9.43	8.44		6.58	9.68	
Johansson, Malin (SWE) (1992)	time			4.55			7.72		9.83		11.96	11.96	7 / 4			
reaction time	interval						3.17		2.11		2.13		# of strides	4.55	3.17	
	velocity			6.59			9.46		9.48		9.39	8.36		6.59	9.46	
Brubak, Mari Gilde (NOR) (1990)	time			4.51			7.64		9.75		11.97	11.97	1 / 5			
reaction time	interval						3.13		2.11		2.22		# of strides	4.51	3.13	
	velocity			6.65			9.58		9.48		9.01	8.35		6.65	9.58	
Östlund, Elin (SWE) (1991)	time			4.54			7.70		9.82		12.06	12.06	6 / 6			
reaction time	interval						3.16		2.12		2.24		# of strides	4.54	3.16	
	velocity			6.61			9.49		9.43		8.93	8.29		6.61	9.49	

C FINAL

date 28-Jul-13 wind -0.1 m/s *(2013) - www.ssg.se/windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Törnros, Sandra (SWE) (1995)	time			4.49			7.70		9.86		12.09	12.09	4 / 1			
reaction time	interval						3.21		2.16		2.23		# of strides	4.49	3.21	
	velocity			6.68			9.35		9.26		8.97	8.27		6.68	9.35	
Nikamo, Karolina (SWE) (1995)	time			4.43			7.61		9.83		12.13	12.13	3 / 2			
reaction time	interval						3.18		2.22		2.30		# of strides	4.43	3.18	
	velocity			6.77			9.43		9.01		8.70	8.24		6.77	9.43	
Næss, Heidi Hessan (NOR) (1989)	time			4.60			7.79		9.92		12.14	12.14	5 / 3			
reaction time	interval						3.19		2.13		2.22		# of strides	4.60	3.19	
	velocity			6.52			9.40		9.39		9.01	8.24		6.52	9.40	
Dolvik, Anne (NOR) (1988)	time			4.60			7.84		10.00		12.23	12.23	2 / 4			
reaction time	interval						3.24		2.16		2.23		# of strides	4.60	3.24	
	velocity			6.52			9.26		9.26		8.97	8.18		6.52	9.26	
Palm, Josefin (SWE) (1994)	time			4.50			7.72		9.93		12.24	12.24	6 / 5			
reaction time	interval						3.22		2.21		2.31		# of strides	4.50	3.22	
	velocity			6.67			9.32		9.05		8.66	8.17		6.67	9.32	
0.167																
Panboon, Fanny (SWE) (1995)	time			4.50			7.75		10.02		12.39	12.39	7 / 6			
reaction time	interval						3.25		2.27		2.37		# of strides	4.50	3.25	
	velocity			6.67			9.23		8.81		8.44	8.07		6.67	9.23	
Sönnerfors, Marie (SWE) (1993)	time			4.59			7.88		10.12		12.43	12.43	1 / 7			
reaction time	interval						3.29		2.24		2.31		# of strides	4.59	3.29	
	velocity			6.54			9.12		8.93		8.66	8.05		6.54	9.12	

D FINAL

date 28-Jul-13 wind 2.7 m/s *(2013) - www.ssg.se/windsprint/Splittider/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Panboon, Fanny (SWE) (1995)	time			4.45			7.67		9.87		12.19	12.19	4 / 1			
reaction time	interval						3.22		2.20		2.32		# of strides	4.45	3.22	
	velocity			6.74			9.32		9.09		8.62	8.20		6.74	9.32	
Ågren, Tove (SWE) (1996)	time			4.52			7.77		9.97		12.22	12.22	5 / 2			
reaction time	interval						3.25		2.20		2.25		# of strides	4.52	3.25	
	velocity			6.64			9.23		9.09		8.89	8.18		6.64	9.23	
Inoussa, Farydah (SWE) (1994)	time			4.60			7.84		10.04		12.36	12.36	6 / 3			
reaction time	interval						3.24		2.20		2.32		# of strides	4.60	3.24	
	velocity			6.52			9.26		9.09		8.62	8.09		6.52	9.26	
Trollsås Malin (SWE) (1993)	time			4.71			8.05		10.29		12.60	12.60	8 / 4			
reaction time	interval						3.34		2.24		2.31		# of strides	4.71	3.34	
	velocity			6.37			8.98		8.93		8.66	7.94		6.37	8.98	

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

Morgan, Lynette (SWE) (1991)	time		4.69		8.03		10.28		12.61	12.61	7 / 5			
reaction time	interval				3.34		2.25		2.33		# of strides	4.69	3.34	
	velocity		6.40		8.98		8.89		8.58	7.93		6.40	8.98	
Stenvall, Mia (SWE) (1990)	time		4.72		8.13		10.40		12.74	12.74	1 / 6			
reaction time	interval				3.41		2.27		2.34		# of strides	4.72	3.41	
	velocity		6.36		8.80		8.81		8.55	7.85		6.36	8.80	
Engberg, Angelica (SWE) (1989)	time		4.73		8.16		10.48		12.89	12.89	2 / 7			
reaction time	interval				3.43		2.32		2.41		# of strides	4.73	3.43	
	velocity		6.34		8.75		8.62		8.30	7.76		6.34	8.75	
Sunneborn, Anna (SWE) (1970)	time		4.76		8.21		10.55		12.99	12.99	3 / 8			
reaction time	interval				3.45		2.34		2.44		# of strides	4.76	3.45	
	velocity		6.30		8.70		8.55		8.20	7.70		6.30	8.70	

2013 Czech Republic National Championships (Tábor, CZE)

FINAL

date 15-Jun-13 wind -0.2 m/s *Feher (2013) - Final report from the men's & women's Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Čechová, Katerína (CZE) (1988)	time	2.11	3.22	4.26	5.25	6.24	7.24	8.26	9.28	10.31	11.37	11.37	4 / 1			
reaction time 0.147	interval		1.11	1.04	0.99	0.99	1.00	1.02	1.02	1.03	1.06		# of strides	4.26	2.98	3.07
	velocity	4.74	9.01	9.62	10.10	10.10	10.00	9.80	9.80	9.71	9.43	8.80		7.04	10.07	9.77
Procházková, Barbora (CZE) (199	time	2.13	3.26	4.35	5.34	6.35	7.36	8.39	9.43	10.49	11.57	11.57	5 / 2			
reaction time 0.160	interval		1.13	1.09	0.99	1.01	1.01	1.03	1.04	1.06	1.08	PB	# of strides	4.35	3.01	3.13
	velocity	4.69	8.85	9.17	10.10	9.90	9.90	9.71	9.62	9.43	9.26	8.64		6.90	9.97	9.58
Urbánková, Petra (CZE) (1991)	time	2.14	3.25	4.35	5.35	6.37	7.40	8.46	9.54	10.62	11.71	11.71	3 / 3			
reaction time 0.141	interval		1.11	1.10	1.00	1.02	1.03	1.06	1.08	1.08	1.09		# of strides	4.35	3.05	3.22
	velocity	4.67	9.01	9.09	10.00	9.80	9.71	9.43	9.26	9.26	9.17	8.54		6.90	9.84	9.32
Mazáčová, Iveta (CZE) (1986)	time	2.14	3.27	4.36	5.38	6.42	7.46	8.52	9.59	10.70	11.82	11.82	6 / 4			
reaction time 0.162	interval		1.13	1.09	1.02	1.04	1.04	1.06	1.07	1.11	1.12		# of strides	4.36	3.10	3.24
	velocity	4.67	8.85	9.17	9.80	9.62	9.62	9.43	9.35	9.01	8.93	8.46		6.88	9.68	9.26
Seidlová, Klára (CZE) (1994)	time	2.19	3.30	4.38	5.40	6.44	7.48	8.54	9.62	10.73	11.85	11.85	7 / 5			
reaction time 0.150	interval		1.11	1.08	1.02	1.04	1.04	1.06	1.08	1.11	1.12		# of strides	4.38	3.10	3.25
	velocity	4.57	9.01	9.26	9.80	9.62	9.62	9.43	9.26	9.01	8.93	8.44		6.85	9.68	9.23
Hrïvnová, Pavla (CZE) (1986)	time	2.18	3.33	4.43	5.44	6.48	7.53	8.59	9.68	10.77	11.88	11.88	2 / 6			
reaction time 0.146	interval		1.15	1.10	1.01	1.04	1.05	1.06	1.09	1.09	1.11		# of strides	4.43	3.10	3.24
	velocity	4.59	8.70	9.09	9.90	9.62	9.52	9.43	9.17	9.17	9.01	8.42		6.77	9.68	9.26
Táborská, Monika (CZE) (1988)	time	2.18	3.35	4.46	5.48	6.52	7.56	8.63	9.71	10.82	11.93	11.93	1 / 7			
reaction time 0.135	interval		1.17	1.11	1.02	1.04	1.04	1.07	1.08	1.11	1.11		# of strides	4.46	3.10	3.26
	velocity	4.59	8.55	9.01	9.80	9.62	9.62	9.35	9.26	9.01	9.01	8.38		6.73	9.68	9.20
Domská, Lucie (CZE) (1993)	time	2.22	3.39	4.49	5.56	6.62	7.69	8.78	9.87	10.97	12.09	12.09	8 / 8			
reaction time 0.171	interval		1.17	1.10	1.07	1.06	1.07	1.09	1.09	1.10	1.12		# of strides	4.49	3.20	3.28
	velocity	4.50	8.55	9.09	9.35	9.43	9.35	9.17	9.17	9.09	8.93	8.27		6.68	9.38	9.15

Heat 3

date 15-Jun-13 wind -1.3 m/s *Feher (2013) - Final report from the men's & women's Czech Republic national championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Procházková, Barbora (CZE) (199	time		3.27		5.37		7.42		9.51		11.70	11.70	4 / 1			
reaction time 0.136	interval				2.10		2.05		2.09		2.19		# of strides			
	velocity		6.12		9.52		9.76		9.57		9.13	8.55				
Mazáčová, Iveta (CZE) (1986)	time		3.28		5.40		7.46		9.60		11.79	11.79	6 / 2			
reaction time 0.176	interval				2.12		2.06		2.14		2.19		# of strides			
	velocity		6.10		9.43		9.71		9.35		9.13	8.48				
Hrïvnová, Pavla (CZE) (1986)	time		3.36		5.51		7.59		9.73		11.95	11.95	5 / 3			
reaction time 0.172	interval				2.15		2.08		2.14		2.22		# of strides			
	velocity		5.95		9.30		9.62		9.35		9.01	8.37				
Chabrová, Marta (CZE) (1991)	time		3.37		5.54		7.66		9.85		12.10	12.10	3 / 4			
reaction time 0.162	interval				2.17		2.12		2.19		2.25		# of strides			
	velocity		5.93		9.22		9.43		9.13		8.89	8.26				
Janoušová, Jana (CZE) (1995)	time		3.38		5.56		7.69		9.90		12.19	12.19	2 / 5			
reaction time 0.153	interval				2.18		2.13		2.21		2.29		# of strides			
	velocity		5.92		9.17		9.39		9.05		8.73	8.20				
Soukalová, Veronika (CZE) (1989)	time		3.31		5.52		7.71		9.98		12.26	12.26	7 / 6			
reaction time 0.157	interval				2.21		2.19		2.27		2.28		# of strides			

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

		velocity		6.04		9.05		9.13		8.81		8.77	8.16			
Vitásková, Monika (CZE) (1985)		time		3.65		5.96		8.23		10.56		12.93	12.93	8 / 7		
reaction time	0.162	interval				2.31		2.27		2.33		2.37		# of strides		
		velocity		5.48		8.66		8.81		8.58		8.44	7.73			
Odložilová, Barbora (CZE) (1993)		time		3.58		5.90		8.20		10.61		13.06	13.06	1 / 8		
reaction time	0.165	interval				2.32		2.30		2.41		2.45		# of strides		
		velocity		5.59		8.62		8.70		8.30		8.16	7.66			

Heat 2

date 15-Jun-13 wind -1.1 m/s *Feher (2013) - Final report from the men's & women's Czech Republic national championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Urbánková, Petra (CZE) (1991)		time		3.26		5.38		7.48		9.64		11.88	11.88	4 / 1			
reaction time	0.140	interval				2.12		2.10		2.16		2.24		# of strides			
		velocity		6.13		9.43		9.52		9.26		8.93	8.42				
Seidlová, Klára (CZE) (1994)		time		3.28		5.41		7.50		9.66		11.93	11.93	5 / 2			
reaction time	0.133	interval				2.13		2.09		2.16		2.27		# of strides			
		velocity		6.10		9.39		9.57		9.26		8.81	8.38				
Táborská, Monika (CZE) (1988)		time		3.34		5.50		7.57		9.72		11.97	11.97	6 / 3			
reaction time	0.148	interval				2.16		2.07		2.15		2.25		# of strides			
		velocity		5.99		9.26		9.66		9.30		8.89	8.35				
Černochová, Martina (CZE) (1994		time		3.30		5.43		7.50		9.71		11.98	11.98	3 / 4			
reaction time	0.159	interval				2.13		2.07		2.21		2.27		# of strides			
		velocity		6.06		9.39		9.66		9.05		8.81	8.35				
Krnoulová, Barbora (CZE) (1993)		time		3.36		5.55		7.70		9.95		12.27	12.27	2 / 5			
reaction time	0.145	interval				2.19		2.15		2.25		2.32		# of strides			
		velocity		5.95		9.13		9.30		8.89		8.62	8.15				
Hofmanová, Martina (CZE) (1995		time		3.45		5.67		7.85		10.05		12.43	12.43	7 / 6			
reaction time	0.198	interval				2.22		2.18		2.20		2.38		# of strides			
		velocity		5.80		9.01		9.17		9.09		8.40	8.05				
Kubicová, Zuzana (CZE) (1989)		time		3.57		5.85		8.07		10.30		12.73	12.73	8 / 7			
reaction time	0.262	interval				2.28		2.22		2.23		2.43		# of strides			
		velocity		5.60		8.77		9.01		8.97		8.23	7.86				

Heat 1

date 15-Jun-13 wind -0.6 m/s *Feher (2013) - Final report from the men's & women's Czech Republic national championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Čechová, Katerína (CZE) (1988)		time		3.22		5.30		7.32		8.34		11.46	11.46	4 / 1			
reaction time	0.147	interval				2.08		2.02		1.02		3.12		# of strides			
		velocity		6.21		9.62		9.90		19.61		6.41	8.73				
Domská, Lucie (CZE) (1993)		time		3.41		5.61		7.75		9.92		12.12	12.12	5 / 2			
reaction time	0.153	interval				2.20		2.14		2.17		2.20		# of strides			
		velocity		5.87		9.09		9.35		9.22		9.09	8.25				
Štychlová, Martina (CZE) (1992)		time		3.39		5.59		7.74		9.92		12.15	12.15	3 / 3			
reaction time	0.272	interval				2.20		2.15		2.18		2.23		# of strides			
		velocity		5.90		9.09		9.30		9.17		8.97	8.23				
Humpolíková, Pavla (CZE) (1985)		time		3.40		5.59		7.74		9.94		12.18	12.18	6 / 4			
reaction time	0.176	interval				2.19		2.15		2.20		2.24		# of strides			
		velocity		5.88		9.13		9.30		9.09		8.93	8.21				
Chválková, Adéla (CZE) (1989)		time		3.33		5.53		7.66		9.93		12.22	12.22	2 / 5			
reaction time	0.132	interval				2.20		2.13		2.27		2.29		# of strides			
		velocity		6.01		9.09		9.39		8.81		8.73	8.18				
Mrnová, Markéta (CZE) (1991)		time		3.49		5.76		7.98		10.27		12.57	12.57	7 / 6			
reaction time	0.160	interval				2.27		2.22		2.29		2.30		# of strides			
		velocity		5.73		8.81		9.01		8.73		8.70	7.96				
Vomáčková, Monika (CZE) (1994)		time		3.54		5.84		8.11		10.46		12.82	12.82	8 / 7			
reaction time	0.192	interval				2.30		2.27		2.35		2.36		# of strides			
		velocity		5.65		8.70		8.81		8.51		8.47	7.80				

2013 Japanese National Championships (Chofu, JPN)

FINAL

date 08-Jun-13 wind 0.0 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fujimori, Anna (JPN) (1994)		time	2.05	3.22	4.29	5.34	6.38	7.42	8.47	9.55	10.65	11.78	11.78	8 / 5			
reaction time		interval		1.17	1.07	1.05	1.04	1.04	1.05	1.08	1.10	1.13		# of strides	4.29	3.13	3.23

	velocity	4.88	8.55	9.35	9.52	9.62	9.62	9.52	9.26	9.09	8.85	8.49	50.5	6.99	9.58	9.29

Heat 3

date 07-Jun-13 wind 1.9 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kimura, Akane (JPN) (1993)	time	2.08	3.26	4.34	5.39	6.43	7.46	8.51	9.57	10.66	11.77	11.77	9 / 3			
reaction time	interval		1.18	1.08	1.05	1.04	1.03	1.05	1.06	1.09	1.11		# of strides	4.34	3.12	3.20
	velocity	4.81	8.47	9.26	9.52	9.62	9.71	9.52	9.43	9.17	9.01	8.50	51.5	6.91	9.62	9.38

2013 European Indoor Championships (Göteborg, SWE)

FINAL

date 03-Mar-13 *Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

			10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
Naimova, Tezdzhan (BUL) (1987)		time		3.14		5.15		7.10	7.10	3 / ~~1~~		
reaction time	0.162	interval				2.01		1.95	~~PB~~ DV	# of strides		
		velocity		6.37		9.95		10.26	8.45	30.5		
Ryemyen, Mariya (UKR) (1987)		time		3.11		5.11		7.10	7.11	5 / 2		
reaction time	0.144	interval				2.00		1.99	=PB	# of strides		
		velocity		6.43		10.00		10.05	8.44	31.7		
Soumaré, Myriam (FRA) (1986)		time		3.11		5.14		7.11	7.11	4 / 3		
reaction time	0.159	interval				2.03		1.97		# of strides		
		velocity		6.43		9.85		10.15	8.44	34.0		
Lalova, Ivet (BUL) (1984)		time		3.13		5.16		7.12	7.12	6 / 4		
reaction time	0.152	interval				2.03		1.96	PB	# of strides		
		velocity		6.39		9.85		10.20	8.43	32.0		
Schippers, Dafne (NED) (1992)		time		3.17		5.18		7.14	7.14	2 / 5		
reaction time	0.150	interval				2.01		1.96	PB	# of strides		
		velocity		6.31		9.95		10.20	8.40	27.0		
Philip, Asha (GBR) (1990)		time		3.11		5.16		7.15	7.15	7 / 6		
reaction time	0.134	interval				2.05		1.99	=PB	# of strides		
		velocity		6.43		9.76		10.05	8.39	31.2		
Okparaebo, Ezinne (NOR) (1988)		time		3.14		5.17		7.16	7.16	1 / 7		
reaction time	0.142	interval				2.03		1.99		# of strides		
		velocity		6.37		9.85		10.05	8.38	34.5		
Sailer, Verena (GER) (1985)		time		3.13		5.17		7.16	7.16	8 / 8		
reaction time	0.141	interval				2.04		1.99		# of strides		
		velocity		6.39		9.80		10.05	8.38	31.5		

2012 Kokutai National Sport Festival (Gifu, JPN)

Semi-Final 1

date 06-Oct-12 wind 0.6 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Shimizu, Megumi (JPN) (1987)	time	2.02	3.17	4.25	5.31	6.36	7.41	8.48	9.57	10.68	11.83	11.83	4 / 2			
reaction time	interval		1.15	1.08	1.06	1.05	1.05	1.07	1.09	1.11	1.15		# of strides	4.25	3.16	3.27
	velocity	4.95	8.70	9.26	9.43	9.52	9.52	9.35	9.17	9.01	8.70	8.45	49.2	7.06	9.49	9.17

2012 Olympic Games (London, GBR)

FINAL

date 04-Aug-12 wind 1.5 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser-Pryce, Shelly-Ann (JAM) (	0.153	no information available										10.75	7 / 1		# of strides	50.5
Jeter, Carmelita (USA) (1979)	0.153	no information available										10.78	5 / 2		# of strides	50.0
Campbell-Brown, Veronica (JAM	0.143	no information available										10.81	4 / 3		# of strides	49.2
Madison, Tianna (USA) (1985)	0.171	no information available										10.85	9 / 4		# of strides	49.2
Felix, Allyson (USA) (1985)	0.176	no information available									PB	10.89	8 / 5		# of strides	45.5
Baptiste, Kelly-Ann (TTO) (1986)	0.128	no information available										10.94	2 / 6		# of strides	51.0
Ahouré, Murielle (CIV) (1987)	0.156	no information available										11.00	3 / 7		# of strides	51.0
Okagbare, Blessing (NGR) (1988)	0.165	no information available										11.01	6 / 8		# of strides	46.0

2012 Japanese National High School Championships (Niigata, JPN)

FINAL

date 30-Jul-12 wind -0.3 m/s *Yasunori (2012) - 65th high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nobayashi, Yumi (JPN) (1995)	time					6.49	7.52	8.57	9.64	10.72	11.85	11.85	4 / 1			
reaction time	interval						1.03	1.05	1.07	1.08	1.13		# of strides			3.20
	velocity					7.70	9.71	9.52	9.35	9.26	8.85	8.44				9.38
Oga, Haruka (JPN) (1995)	time					6.54	7.59	8.66	9.75	10.86	12.01	12.01	5 / 2			
reaction time	interval						1.05	1.07	1.09	1.11	1.15		# of strides			3.27
	velocity					7.65	9.52	9.35	9.17	9.01	8.70	8.33				9.17
Matsuda, Yumi (JPN) (1994)	time					6.54	7.57	8.65	9.76	10.86	12.03	12.03	9 / 3			
reaction time	interval						1.03	1.08	1.11	1.10	1.17		# of strides			3.29

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

	velocity				7.65	9.71	9.26	9.01	9.09	8.55	8.31					9.12
Fukushima, Mio (JPN) (1995)	time				6.56	7.61	8.69	9.79	10.90	12.06	12.06	7 / 4				
reaction time	interval					1.05	1.08	1.10	1.11	1.16		# of strides				3.29
	velocity				7.62	9.52	9.26	9.09	9.01	8.62	8.29					9.12
Takamori, Maho (JPN) (1996)	time				6.59	7.61	8.70	9.80	10.92	12.07	12.07	6 / 5				
reaction time	interval					1.02	1.09	1.10	1.12	1.15		# of strides				3.31
	velocity				7.59	9.80	9.17	9.09	8.93	8.70	8.29					9.06
Fujimori, Anna (JPN) (1994)	time				6.53	7.57	8.65	9.78	10.90	12.09	12.09	8 / 6				
reaction time	interval					1.04	1.08	1.13	1.12	1.19		# of strides				3.33
	velocity				7.66	9.62	9.26	8.85	8.93	8.40	8.27					9.01
Osuki, Mai (JPN) (1995)	time				6.59	7.64	8.72	9.82	10.95	12.10	12.10	3 / 7				
reaction time	interval					1.05	1.08	1.10	1.13	1.15		# of strides				3.31
	velocity				7.59	9.52	9.26	9.09	8.85	8.70	8.26					9.06
Shimada, Sae (JPN) (1994)	time				6.54	7.62	8.71	9.83	10.99	12.18	12.18	2 / 8				
reaction time	interval					1.08	1.09	1.12	1.16	1.19		# of strides				3.37
	velocity				7.65	9.26	9.17	8.93	8.62	8.40	8.21					8.90

2012 Windsprint (Sundsvall, SWE)

FINAL

date 17-Jun-12 wind 1.0 m/s *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Hayley (GBR) (1988)	time			4.27			7.29		9.32		11.42	11.42	5 / 1			
reaction time	interval						3.02		2.03		2.10		# of strides	4.27	3.02	
	velocity			7.03			9.93		9.85		9.52	8.76		7.03	9.93	
Skugge, Julia (SWE) (1988)	time			4.32			7.40		9.49		11.65	11.65	4 / 2			
reaction time	interval						3.08		2.09		2.16		# of strides	4.32	3.08	
	velocity			6.94			9.74		9.57		9.26	8.58		6.94	9.74	
Sandsjoe, Caroline (SWE) (1992)	time			4.32			7.45		9.56		11.72	11.72	3 / 3			
reaction time	interval						3.13		2.11		2.16	PB	# of strides	4.32	3.13	
	velocity			6.94			9.58		9.48		9.26	8.53		6.94	9.58	
Jernstig, Freja (SWE) (1992)	time			4.38			7.48		9.56		11.74	11.74	6 / 4			
reaction time	interval						3.10		2.08		2.18		# of strides	4.38	3.10	
	velocity			6.85			9.68		9.62		9.17	8.52		6.85	9.68	
Berntsson, Lena (SWE) (1978)	time			4.36			7.47		9.60		11.79	11.79	7 / 5			
reaction time	interval						3.11		2.13		2.19		# of strides	4.36	3.11	
	velocity			6.88			9.65		9.39		9.13	8.48		6.88	9.65	
Turner, Laura (GBR) (1982)	time			4.34			7.52		9.68		11.95	11.95	1 / 6			
reaction time	interval						3.18		2.16		2.27		# of strides	4.34	3.18	
	velocity			6.91			9.43		9.26		8.81	8.37		6.91	9.43	
Nilsson, Pernilla (SWE) (1992)	time			4.45			7.61		9.74		11.98	11.98	2 / 7			
reaction time	interval						3.16		2.13		2.24		# of strides	4.45	3.16	
	velocity			6.74			9.49		9.39		8.93	8.35		6.74	9.49	
Östlund, Elin (SWE) (1991)	time			4.52			7.65		9.75		11.99	11.99	7 / 8			
reaction time	interval						3.13		2.10		2.24		# of strides	4.52	3.13	
	velocity			6.64			9.58		9.52		8.93	8.34		6.64	9.58	

B FINAL

date 17-Jun-12 wind 0.7 m/s *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hjelmer, Moa (SWE) (1990)	time			4.45			7.52		9.56		11.69	11.69	5 / 1			
reaction time	interval						3.07		2.04		2.13		# of strides	4.45	3.07	
	velocity			6.74			9.77		9.80		9.39	8.55		6.74	9.77	
Horn, Carina (RSA) (1989)	time			4.51			7.67		9.78		11.99	11.99	4 / 2			
reaction time	interval						3.16		2.11		2.21		# of strides	4.51	3.16	
	velocity			6.65			9.49		9.48		9.05	8.34		6.65	9.49	
Cederkvist, Astrid (NOR) (1994)	time			4.42			7.59		9.77		12.04	12.04	6 / 3			
reaction time	interval						3.17		2.18		2.27		# of strides	4.42	3.17	
	velocity			6.79			9.46		9.17		8.81	8.31		6.79	9.46	
Hellqvist, Matilda (SWE)	time			4.52			7.70		9.86		12.11	12.11	3 / 4			
reaction time	interval						3.18		2.16		2.25		# of strides	4.52	3.18	
	velocity			6.64			9.43		9.26		8.89	8.26		6.64	9.43	
Melin, Jenny (SWE) (1993)	time			4.50			7.70		9.88		12.16	12.16	7 / 5			

reaction time	interval				3.20		2.18		2.28		# of strides	4.50	3.20	
	velocity		6.67		9.38		9.17		8.77	8.22		6.67	9.38	
Eurenius, Isabelle (SWE) (1989)	time		4.51		7.75		9.93		12.17	12.17	2 / 6			
reaction time	interval				3.24		2.18		2.24		# of strides	4.51	3.24	
	velocity		6.65		9.26		9.17		8.93	8.22		6.65	9.26	

C FINAL

date 17-Jun-12 wind 0.6 m/s *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Backman, Elin (SWE) (1988)	time			4.55			7.85		10.05		12.30	12.30	/ 1			
reaction time	interval						3.30		2.20		2.25		# of strides	4.55	3.30	
	velocity			6.59			9.09		9.09		8.89	8.13		6.59	9.09	
Jansson, Ida (SWE) (1995)	time			4.61			7.86		10.05		12.33	12.33	/ 2			
reaction time	interval						3.25		2.19		2.28		# of strides	4.61	3.25	
	velocity			6.51			9.23		9.13		8.77	8.11		6.51	9.23	
Nilsson, Evelina (SWE) (1994)	time			4.53			7.82		10.04		12.35	12.35	/ 3			
reaction time	interval						3.29		2.22		2.31		# of strides	4.53	3.29	
	velocity			6.62			9.12		9.01		8.66	8.10		6.62	9.12	
Nikamo, Karolina (SWE) (1995)	time			4.53			7.84		10.07		12.41	12.41	/ 4			
reaction time	interval						3.31		2.23		2.34		# of strides	4.53	3.31	
	velocity			6.62			9.06		8.97		8.55	8.06		6.62	9.06	
Isaksen, Iren Vevatne (NOR) (198	time			4.65			7.99		10.23		12.54	12.54	/ 5			
reaction time	interval						3.34		2.24		2.31		# of strides	4.65	3.34	
	velocity			6.45			8.98		8.93		8.66	7.97		6.45	8.98	
Slettum, Elisabeth (NOR) (1986)	time			4.77			8.11		10.33		12.63	12.63	/ 6			
reaction time	interval						3.34		2.22		2.30		# of strides	4.77	3.34	
	velocity			6.29			8.98		9.01		8.70	7.92		6.29	8.98	

D FINAL

date 17-Jun-12 wind 1.5 m/s *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Alfredsson, Marine (SWE) (1993)	time			4.57			7.82		10.04		12.35	12.35	/ 1			
reaction time	interval						3.25		2.22		2.31		# of strides	4.57	3.25	
	velocity			6.56			9.23		9.01		8.66	8.10		6.56	9.23	
Jensen, Christine Bjelland (NOR)	time			4.70			8.01		10.21		12.48	12.48	/ 2			
reaction time	interval						3.31		2.20		2.27		# of strides	4.70	3.31	
	velocity			6.38			9.06		9.09		8.81	8.01		6.38	9.06	
Panboon, Fanny (SWE) (1995)	time			4.55			7.86		10.14		12.56	12.56	/ 3			
reaction time	interval						3.31		2.28		2.42		# of strides	4.55	3.31	
	velocity			6.59			9.06		8.77		8.26	7.96		6.59	9.06	
Sunneborn, Anna (SWE) (1970)	time			4.72			8.16		10.50		12.97	12.97	/ 4			
reaction time	interval						3.44		2.34		2.47		# of strides	4.72	3.44	
	velocity			6.36			8.72		8.55		8.10	7.71		6.36	8.72	

2012 Japanese National Championships (Osaka, JPN)

Heat 3

date 08-Jun-12 wind 2.2 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time	2.05	3.18	4.22	5.23	6.23	7.24	8.26	9.31	10.37	11.47	11.47	4 / 1			
reaction time	interval		1.13	1.04	1.01	1.00	1.01	1.02	1.05	1.06	1.10		# of strides	4.22	3.02	3.13
	velocity	4.88	8.85	9.62	9.90	10.00	9.90	9.80	9.52	9.43	9.09	8.72	54.2	7.11	9.93	9.58
Wada, Maki (JPN) (1986)	time	2.02	3.20	4.28	5.33	6.36	7.40	8.45	9.51	10.60	11.72	11.72	7 / 3			
reaction time	interval		1.18	1.08	1.05	1.03	1.04	1.05	1.06	1.09	1.12		# of strides	4.28	3.12	3.20
	velocity	4.95	8.47	9.26	9.52	9.71	9.62	9.52	9.43	9.17	8.93	8.53	53.7	7.01	9.62	9.38

2012 Seiko Golden Grand Prix (Kawasaki, JPN)

FINAL

date 06-May-12 wind 0.1 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Felix, Allyson (USA) (1985)	time	2.06	3.24	4.25	5.23	6.20	7.18	8.17	9.17	10.18	11.22	11.22	4 / 1			
reaction time	interval		1.18	1.01	0.98	0.97	0.98	0.99	1.00	1.01	1.04		# of strides	4.25	2.93	3.00
	velocity	4.85	8.47	9.90	10.20	10.31	10.20	10.10	10.00	9.90	9.62	8.91	46.5	7.06	10.24	10.00

2012 Mikio Oda Memorial (Hiroshima, JPN)

A FINAL

date 29-Apr-12 wind 0.3 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.03	3.15	4.20	5.23	6.24	7.24	8.25	9.27	10.29	11.34	11.34	3 / 1			
reaction time	interval		1.12	1.05	1.03	1.01	1.00	1.01	1.02	1.02	1.05		# of strides	4.20	3.04	3.05
	velocity	4.93	8.93	9.52	9.71	9.90	10.00	9.90	9.80	9.80	9.52	8.82	54.0	7.14	9.87	9.84

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

B FINAL

date 29-Apr-12 wind 0.0 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ota, Tomoko (JPN) (1977)	time	2.03	3.20	4.27	5.32	6.36	7.40	8.45	9.52	10.60	11.70	11.70	5 / 1			
reaction time	interval		1.17	1.07	1.05	1.04	1.04	1.05	1.07	1.08	1.10		# of strides	4.27	3.13	3.20
	velocity	4.93	8.55	9.35	9.52	9.62	9.62	9.52	9.35	9.26	9.09	8.55	55.0	7.03	9.58	9.38

Heat 3

date 29-Apr-12 wind 1.6 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ichikawa, Kana (JPN) (1991)	time	2.06	3.22	4.28	5.31	6.32	7.33	8.34	9.37	10.40	11.45	11.45	5 / 1			
reaction time	interval		1.16	1.06	1.03	1.01	1.01	1.01	1.03	1.03	1.05		# of strides	4.28	3.05	3.07
	velocity	4.85	8.62	9.43	9.71	9.90	9.90	9.90	9.71	9.71	9.52	8.73	49.7	7.01	9.84	9.77
Watanabe, Mayumi (JPN) (1983)	time	2.08	3.23	4.28	5.29	6.30	7.31	8.33	9.36	10.43	11.51	11.51	3 / 2			
reaction time	interval		1.15	1.05	1.01	1.01	1.01	1.02	1.03	1.07	1.08		# of strides	4.28	3.03	3.12
	velocity	4.81	8.70	9.52	9.90	9.90	9.90	9.80	9.71	9.35	9.26	8.69	52.5	7.01	9.90	9.62
Kitakaze, Saori (JPN) (1985)	time	2.02	3.17	4.22	5.24	6.25	7.28	8.33	9.40	10.48	11.61	11.61	4 / 3			
reaction time	interval		1.15	1.05	1.02	1.01	1.03	1.05	1.07	1.08	1.13		# of strides	4.22	3.06	3.20
	velocity	4.95	8.70	9.52	9.80	9.90	9.71	9.52	9.35	9.26	8.85	8.61	58.5	7.11	9.80	9.38
Sano, Yumeka (JPN) (1985)	time	2.06	3.22	4.28	5.31	6.33	7.35	8.39	9.44	10.52	11.62	11.62	6 / 4			
reaction time	interval		1.16	1.06	1.03	1.02	1.02	1.04	1.05	1.08	1.10		# of strides	4.28	3.07	3.17
	velocity	4.85	8.62	9.43	9.71	9.80	9.80	9.62	9.52	9.26	9.09	8.61	52.2	7.01	9.77	9.46
Okayama, Saeko (JPN) (1982)	time	2.14	3.33	4.41	5.45	6.49	7.52	8.56	9.62	10.69	11.79	11.79	8 / 5			
reaction time	interval		1.19	1.08	1.04	1.04	1.03	1.04	1.06	1.07	1.10	PB	# of strides	4.41	3.11	3.17
	velocity	4.67	8.40	9.26	9.62	9.62	9.71	9.62	9.43	9.35	9.09	8.48	48.2	6.80	9.65	9.46

Heat 2

date 29-Apr-12 wind 1.3 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takahashi, Momoko (JPN) (1988)	time	2.11	3.29	4.35	5.37	6.38	7.38	8.39	9.41	10.45	11.51	11.51	3 / 2			
reaction time	interval		1.18	1.06	1.02	1.01	1.00	1.01	1.02	1.04	1.06		# of strides	4.35	3.03	3.07
	velocity	4.74	8.47	9.43	9.80	9.90	10.00	9.90	9.80	9.62	9.43	8.69	49.5	6.90	9.90	9.77
Imai, Saori (JPN) (1990)	time	2.09	3.26	4.33	5.36	6.39	7.42	8.46	9.51	10.58	11.69	11.69	7 / 3			
reaction time	interval		1.17	1.07	1.03	1.03	1.03	1.04	1.05	1.07	1.11		# of strides	4.33	3.09	3.16
	velocity	4.78	8.55	9.35	9.71	9.71	9.71	9.62	9.52	9.35	9.01	8.55	51.0	6.93	9.71	9.49

Heat 1

date 29-Apr-12 wind 0.6 m/s *Akirabun (2013) - speed change and the highest speed section appearance in the 100m race of 2012 and 2013*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Okabe, Nao (JPN) (1988)	time	2.00	3.17	4.23	5.26	6.28	7.31	8.34	9.42	10.54	11.69	11.69	3 / 3			
reaction time	interval		1.17	1.06	1.03	1.02	1.03	1.03	1.08	1.12	1.15		# of strides	4.23	3.08	3.23
	velocity	5.00	8.55	9.43	9.71	9.80	9.71	9.71	9.26	8.93	8.70	8.55	51.0	7.09	9.74	9.29

2012 Czech Republic National Indoor Championships (Praha, CZE)

FINAL

date 25-Feb-12 *Feher (2012) - Czech Republic indoor national championships - women's 60m*

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Čechová, Katerina (CZE) (1988)	time	2.08	3.24	4.28	5.31	6.29	7.30	7.30	4 / 1			
reaction time 0.176	interval		1.16	1.04	1.03	0.98	1.01	PB	# of strides	4.28	3.02	
	velocity	4.81	8.62	9.62	9.71	10.20	9.90	8.22		7.01	9.93	
Mazáčová, Iveta (CZE) (1986)	time	2.05	3.20	4.27	5.31	6.33	7.39	7.39	5 / 2			
reaction time 0.126	interval		1.15	1.07	1.04	1.02	1.06		# of strides	4.27	3.12	
	velocity	4.88	8.70	9.35	9.62	9.80	9.43	8.12		7.03	9.62	
Rosolová, Denisa (CZE) (1986)	time	2.11	3.32	4.37	5.43	6.43	7.46	7.46	3 / 3			
reaction time 0.144	interval		1.21	1.05	1.06	1.00	1.03		# of strides	4.37	3.09	
	velocity	4.74	8.26	9.52	9.43	10.00	9.71	8.04		6.86	9.71	
Hrivnová, Pavla (CZE) (1986)	time	2.12	3.37	4.44	5.50	6.55	7.63	7.63	7 / 4			
reaction time 0.137	interval		1.25	1.07	1.06	1.05	1.08		# of strides	4.44	3.19	
	velocity	4.72	8.00	9.35	9.43	9.52	9.26	7.86		6.76	9.40	
Procházková, Barbora (CZE) (199	time	2.16	3.38	4.46	5.53	6.58	7.64	7.64	6 / 5			
reaction time 0.184	interval		1.22	1.08	1.07	1.05	1.06		# of strides	4.46	3.18	
	velocity	4.63	8.20	9.26	9.35	9.52	9.43	7.85		6.73	9.43	
Táborská, Monika (CZE) (1988)	time	2.18	3.40	4.49	5.55	6.59	7.67	7.67	8 / 6			
reaction time 0.168	interval		1.22	1.09	1.06	1.04	1.08		# of strides	4.49	3.18	
	velocity	4.59	8.20	9.17	9.43	9.62	9.26	7.82		6.68	9.43	
Černochová, Martina (CZE) (1994	time	2.17	3.38	4.47	5.54	6.59	7.67	7.67	1 / 7			
reaction time 0.289	interval		1.21	1.09	1.07	1.05	1.08		# of strides	4.47	3.20	
	velocity	4.61	8.26	9.17	9.35	9.52	9.26	7.82		6.71	9.38	

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

Chválková, Adéla (CZE) (1989)		time	2.17	3.38	4.47	5.54	6.59	7.68	7.68	2 / 8			
reaction time	0.170	interval		1.21	1.09	1.07	1.05	1.09		# of strides	4.47	3.21	
		velocity	4.61	8.26	9.17	9.35	9.52	9.17	7.81		6.71	9.35	

Semi-Final 2

date 25-Feb-12

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

			10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mazáčová, Iveta (CZE) (1986)		time	2.09	3.25	4.30	5.35	6.37	7.43	7.43	4 / 1			
reaction time	0.165	interval		1.16	1.05	1.05	1.02	1.06		# of strides	4.30	3.13	
		velocity	4.78	8.62	9.52	9.52	9.80	9.43	8.08		6.98	9.58	
Rosolová, Denisa (CZE) (1986)		time	2.12	3.33	4.40	5.46	6.46	7.50	7.50	5 / 2			
reaction time	0.161	interval		1.21	1.07	1.06	1.00	1.04		# of strides	4.40	3.10	
		velocity	4.72	8.26	9.35	9.43	10.00	9.62	8.00		6.82	9.68	
Hrivnová, Pavla (CZE) (1986)		time	2.13	3.34	4.43	5.50	6.54	7.61	7.61	3 / 3			
reaction time	0.146	interval		1.21	1.09	1.07	1.04	1.07		# of strides	4.43	3.18	
		velocity	4.69	8.26	9.17	9.35	9.62	9.35	7.88		6.77	9.43	
Chválková, Adéla (CZE) (1989)		time	2.13	3.34	4.43	5.52	6.57	7.65	7.65	2 / 4			
reaction time	0.160	interval		1.21	1.09	1.09	1.05	1.08		# of strides	4.43	3.22	
		velocity	4.69	8.26	9.17	9.17	9.52	9.26	7.84		6.77	9.32	
Kobiánová, Kristyna (CZE) (1995		time	2.14	3.38	4.47	5.56	6.63	7.73	7.73	6 / 5			
reaction time	0.152	interval		1.24	1.09	1.09	1.07	1.10		# of strides	4.47	3.26	
		velocity	4.67	8.06	9.17	9.17	9.35	9.09	7.76		6.71	9.20	
Rappová, Anna-Marie (CZE) (199		time	2.13	3.38	4.47	5.57	6.65	7.76	7.76	7 / 6			
reaction time	0.177	interval		1.25	1.09	1.10	1.08	1.11		# of strides	4.47	3.29	
		velocity	4.69	8.00	9.17	9.09	9.26	9.01	7.73		6.71	9.12	
Školová, Andrea (CZE) (1996)		time	2.26	3.53	4.67	5.79	6.89	8.02	8.02	8 / 7			
reaction time	0.187	interval		1.27	1.14	1.12	1.10	1.13		# of strides	4.67	3.35	
		velocity	4.42	7.87	8.77	8.93	9.09	8.85	7.48		6.42	8.96	

Semi-Final 1

date 25-Feb-12

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

			10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Čechová, Katerina (CZE) (1988)		time	2.11	3.25	4.33	5.35	6.35	7.36	7.35	4 / 1			
reaction time	0.150	interval		1.14	1.08	1.02	1.00	1.01		# of strides	4.33	3.03	
		velocity	4.74	8.77	9.26	9.80	10.00	9.90	8.16		6.93	9.90	
Procházková, Barbora (CZE) (199		time	2.13	3.33	4.43	5.49	6.55	7.61	7.61	5 / 2			
reaction time	0.187	interval		1.20	1.10	1.06	1.06	1.06	PB	# of strides	4.43	3.18	
		velocity	4.69	8.33	9.09	9.43	9.43	9.43	7.88		6.77	9.43	
Táborská, Monika (CZE) (1988)		time	2.17	3.36	4.48	5.52	6.58	7.63	7.63	3 / 3			
reaction time	0.190	interval		1.19	1.12	1.04	1.06	1.05		# of strides	4.48	3.15	
		velocity	4.61	8.40	8.93	9.62	9.43	9.52	7.86		6.70	9.52	
Černochová, Martina (CZE) (1994		time	2.19	3.38	4.50	5.55	6.62	7.69	7.69	2 / 4			
reaction time	0.221	interval		1.19	1.12	1.05	1.07	1.07		# of strides	4.50	3.19	
		velocity	4.57	8.40	8.93	9.52	9.35	9.35	7.80		6.67	9.40	
Domská, Lucie (CZE) (1993)		time	2.17	3.40	4.48	5.58	6.65	7.73	7.73	6 / 5			
reaction time	0.159	interval		1.23	1.08	1.10	1.07	1.08		# of strides	4.48	3.25	
		velocity	4.61	8.13	9.26	9.09	9.35	9.26	7.76		6.70	9.23	
Humpolíková, Pavla (CZE) (1985)		time	2.21	3.44	4.54	5.61	6.69	7.78	7.78	7 / 6			
reaction time	0.177	interval		1.23	1.10	1.07	1.08	1.09		# of strides	4.54	3.24	
		velocity	4.52	8.13	9.09	9.35	9.26	9.17	7.71		6.61	9.26	
Štychlová, Martina (CZE) (1992)		time	2.22	3.45	4.57	5.65	6.77	7.86	7.86	8 / 7			
reaction time	0.175	interval		1.23	1.12	1.08	1.12	1.09		# of strides	4.57	3.29	
		velocity	4.50	8.13	8.93	9.26	8.93	9.17	7.63		6.56	9.12	

Heat 3

date 25-Feb-12

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

			10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Rosolová, Denisa (CZE) (1986)		time	2.16	3.36	4.44	5.50	6.59	7.69	7.69	4 / 1			
reaction time	0.159	interval		1.20	1.08	1.06	1.09	1.10		# of strides	4.44	3.25	
		velocity	4.63	8.33	9.26	9.43	9.17	9.09	7.80		6.76	9.23	
Hrivnová, Pavla (CZE) (1986)		time	2.14	3.39	4.51	5.58	6.65	7.71	7.71	3 / 2			
reaction time	0.141	interval		1.25	1.12	1.07	1.07	1.06		# of strides	4.51	3.20	
		velocity	4.67	8.00	8.93	9.35	9.35	9.43	7.78		6.65	9.38	
Černochová, Martina (CZE) (1994		time	2.15	3.37	4.53	5.59	6.68	7.75	7.75	5 / 3			

reaction time 0.190	interval		1.22	1.16	1.06	1.09	1.07				# of strides	4.53	3.22	
	velocity	4.65	8.20	8.62	9.43	9.17	9.35			7.74		6.62	9.32	
Školová, Andrea (CZE) (1996)	time	2.25	3.49	4.64	5.76	6.85	7.95			7.95	6 / 4			
reaction time 0.198	interval		1.24	1.15	1.12	1.09	1.10				# of strides	4.64	3.31	
	velocity	4.44	8.06	8.70	8.93	9.17	9.09			7.55		6.47	9.06	
Lepešková, Klára (CZE) (1993)	time	2.21	3.42	4.64	5.67	6.85	7.99			7.99	2 / 5			
reaction time 0.168	interval		1.21	1.22	1.03	1.18	1.14				# of strides	4.64	3.35	
	velocity	4.52	8.26	8.20	9.71	8.47	8.77			7.51		6.47	8.96	
Brázdilová, Lenka (CZE) (1982)	time	2.27	3.53	4.71	5.86	7.00	8.14			8.14	7 / 6			
reaction time 0.204	interval		1.26	1.18	1.15	1.14	1.14				# of strides	4.71	3.43	
	velocity	4.41	7.94	8.47	8.70	8.77	8.77			7.37		6.37	8.75	

Heat 2

date 25-Feb-12 *Feher (2012) - Czech Republic indoor national championships - women's 60m*

		10m	20m	30m	40m	50m	60m			Official Time	Lane / Place	0-30m	30-60m	60-90m
Mazáčová, Iveta (CZE) (1986)	time	2.05	3.21	4.31	5.37	6.39	7.46			7.46	4 / 1			
reaction time 0.138	interval		1.16	1.10	1.06	1.02	1.07				# of strides	4.31	3.15	
	velocity	4.88	8.62	9.09	9.43	9.80	9.35			8.04		6.96	9.52	
Táborská, Monika (CZE) (1988)	time	2.19	3.37	4.50	5.58	6.64	7.70			7.70	5 / 2			
reaction time 0.180	interval		1.18	1.13	1.08	1.06	1.06				# of strides	4.50	3.20	
	velocity	4.57	8.47	8.85	9.26	9.43	9.43			7.79		6.67	9.38	
Kobiánová, Kristyna (CZE) (1995	time	2.11	3.31	4.47	5.57	6.63	7.70			7.70	3 / 3			
reaction time 0.154	interval		1.20	1.16	1.10	1.06	1.07				# of strides	4.47	3.23	
	velocity	4.74	8.33	8.62	9.09	9.43	9.35			7.79		6.71	9.29	
Humpolíková, Pavla (CZE) (1985)	time	2.17	3.37	4.52	5.62	6.71	7.80			7.80	6 / 4			
reaction time 0.145	interval		1.20	1.15	1.10	1.09	1.09				# of strides	4.52	3.28	
	velocity	4.61	8.33	8.70	9.09	9.17	9.17			7.69		6.64	9.15	
Štychlová, Martina (CZE) (1992)	time	2.20	3.44	4.63	5.71	6.81	7.92			7.92	2 / 5			
reaction time 0.168	interval		1.24	1.19	1.08	1.10	1.11				# of strides	4.63	3.29	
	velocity	4.55	8.06	8.40	9.26	9.09	9.01			7.58		6.48	9.12	
Mrnová, Markéta (CZE) (1991)	time	2.25	3.51	4.66	5.82	6.95	8.07			8.07	7 / 6			
reaction time 0.161	interval		1.26	1.15	1.16	1.13	1.12				# of strides	4.66	3.41	
	velocity	4.44	7.94	8.70	8.62	8.85	8.93			7.43		6.44	8.80	

Heat 1

date 25-Feb-12 *Feher (2012) - Czech Republic indoor national championships - women's 60m*

		10m	20m	30m	40m	50m	60m			Official Time	Lane / Place	0-30m	30-60m	60-90m
Čechová, Katerina (CZE) (1988)	time	2.09	3.30	4.35	5.33	6.36	7.39			7.39	4 / 1			
reaction time 0.141	interval		1.21	1.05	0.98	1.03	1.03				# of strides	4.35	3.04	
	velocity	4.78	8.26	9.52	10.20	9.71	9.71			8.12		6.90	9.87	
Procházková, Barbora (CZE) (199	time	2.11	3.32	4.46	5.48	6.55	7.67			7.67	5 / 2			
reaction time 0.158	interval		1.21	1.14	1.02	1.07	1.12				# of strides	4.46	3.21	
	velocity	4.74	8.26	8.77	9.80	9.35	8.93			7.82		6.73	9.35	
Domská, Lucie (CZE) (1993)	time	2.13	3.39	4.51	5.58	6.66	7.74			7.74	3 / 3			
reaction time 0.137	interval		1.26	1.12	1.07	1.08	1.08				# of strides	4.51	3.23	
	velocity	4.69	7.94	8.93	9.35	9.26	9.26			7.75		6.65	9.29	
Chválková, Adéla (CZE) (1989)	time	2.18	3.42	4.53	5.60	6.68	7.76			7.76	2 / 4			
reaction time 0.181	interval		1.24	1.11	1.07	1.08	1.08				# of strides	4.53	3.23	
	velocity	4.59	8.06	9.01	9.35	9.26	9.26			7.73		6.62	9.29	
Rappová, Anna-Marie (CZE) (199	time	2.15	3.37	4.54	5.59	6.68	7.77			7.77	6 / 5			
reaction time 0.164	interval		1.22	1.17	1.05	1.09	1.09				# of strides	4.54	3.23	
	velocity	4.65	8.20	8.55	9.52	9.17	9.17			7.72		6.61	9.29	
Veverková, Markéta (CZE) (1989)	time	2.17	3.42	4.62	5.71	6.89	8.06			8.06	7 / 6			
reaction time 0.157	interval		1.25	1.20	1.09	1.18	1.17				# of strides	4.62	3.44	
	velocity	4.61	8.00	8.33	9.17	8.47	8.55			7.44		6.49	8.72	

2011 IAAF World Championships (Daegu, KOR)

FINAL

date 29-Aug-11 wind -1.4 m/s *KSSB (2011) - biomechanical researchproject report in the iaaf world championships, Daegu 2011*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)	time	1.94	3.05	4.06	5.02	5.97	6.92	7.88	8.85	9.84	10.90	10.90	4 / 1			
reaction time 0.167	interval		1.11	1.01	0.96	0.95	0.95	0.96	0.97	0.99	1.06		# of strides	4.06	2.86	2.92
	velocity	5.15	9.01	9.90	10.42	10.53	10.53	10.42	10.31	10.10	9.43	9.17	50.5	7.39	10.49	10.27
Campbell-Brown, Veronica (JAM	time		3.12	4.17	5.13	6.10	7.04	7.99	8.92	9.91	10.97	10.97	8 / 2			

reaction time 0.234	interval		1.05	0.96	0.97	0.94	0.95	0.93	0.99	1.06		# of strides	4.17	2.87	2.86
	velocity	6.41	9.52	10.42	10.31	10.64	10.53	10.75	10.10	9.43	9.12	49.6	7.19	10.45	10.49
Baptiste, Kelly-Ann (TTO) (1986)	time	2.99	4.11	5.08	6.05	7.01	7.97	8.91	9.91	10.98	10.98	5 / 3			
reaction time 0.151	interval		1.12	0.97	0.97	0.96	0.96	0.94	1.00	1.07		# of strides	4.11	2.90	2.89
	velocity	6.69	8.93	10.31	10.31	10.42	10.42	10.64	10.00	9.35	9.11	50.0	7.30	10.34	10.38
Fraser-Pryce, Shelly-Ann (JAM) (	time	3.05	4.10	5.06	6.02	6.97	7.93	8.87	9.91	10.99	10.99	3 / 4			
reaction time 0.194	interval		1.05	0.96	0.96	0.95	0.96	0.94	1.04	1.08		# of strides	4.10	2.87	2.87
	velocity	6.56	9.52	10.42	10.42	10.53	10.42	10.64	9.62	9.26	9.10	50.0	7.32	10.45	10.45
Okagbare, Blessing (NGR) (1988)	time	3.09	4.14	5.14	6.14	7.10	8.08	9.04	10.05	11.12	11.12	2 / 5			
reaction time 0.147	interval		1.05	1.00	1.00	0.96	0.98	0.96	1.01	1.07		# of strides	4.14	2.96	2.94
	velocity	6.47	9.52	10.00	10.00	10.42	10.20	10.42	9.90	9.35	8.99	47.4	7.25	10.14	10.20
Stewart, Kerron (JAM) (1984)	time	3.12	4.18	5.16	6.13	7.11	8.08	9.03	10.04	11.15	11.15	6 / 6			
reaction time 0.212	interval		1.06	0.98	0.97	0.98	0.97	0.95	1.01	1.11		# of strides	4.18	2.93	2.92
	velocity	6.41	9.43	10.20	10.31	10.20	10.31	10.53	9.90	9.01	8.97	47.0	7.18	10.24	10.27
Lalova, Ivet (BUL) (1984)	time	3.14	4.22	5.23	6.24	7.21	8.19	9.16	10.18	11.27	11.27	1 / 7			
reaction time 0.156	interval		1.08	1.01	1.01	0.97	0.98	0.97	1.02	1.09		# of strides	4.22	2.99	2.96
	velocity	6.37	9.26	9.90	9.90	10.31	10.20	10.31	9.80	9.17	8.87	50.0	7.11	10.03	10.14
Hooker, Marshevet (USA) (1984)	time	3.17	4.25	5.24	6.24	7.22	8.21	9.17	10.20	11.33	11.33	7 / 8			
reaction time 0.164	interval		1.08	0.99	1.00	0.98	0.99	0.96	1.03	1.13		# of strides	4.25	2.97	2.97
	velocity	6.31	9.26	10.10	10.00	10.20	10.10	10.42	9.71	8.85	8.83	47.6	7.06	10.10	10.10

Semi-Final 3

date 29-Aug-11 wind -1.5 m/s *Marchand (2011) - une étaoe encourageante vers 2012 pour Véronique Mang*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mang, Véronique (FRA) (1984)	time					6.36					11.44	11.44	4 / 1			
reaction time 0.139	interval										5.08		# of strides			
	velocity					7.86					4.37	8.74	50.5			

Heat 7

date 28-Aug-11 wind 0.5 m/s *Marchand (2011) - une étaoe encourageante vers 2012 pour Véronique Mang*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mang, Véronique (FRA) (1984)	time					6.33					11.20	11.20	4 / 1			
reaction time 0.172	interval										4.87		# of strides			
	velocity					7.90					4.46	8.93	50.5			

2011 Japanese National High School Championships (Kitakami, JPN)

FINAL

date 04-Aug-11 wind -1.0 m/s *Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Doi, Anna (JPN) (1995)	time					6.45	7.49	8.54	9.63	10.75	11.88	11.88	7 / 1			
reaction time	interval						1.04	1.05	1.09	1.12	1.13		# of strides			3.26
	velocity					7.75	9.62	9.52	9.17	8.93	8.85	8.42				9.20
Kimura, Akane (JPN) (1993)	time					6.50	7.55	8.63	9.73	10.86	12.02	12.02	6 / 2			
reaction time	interval						1.05	1.08	1.10	1.13	1.16		# of strides			3.31
	velocity					7.69	9.52	9.26	9.09	8.85	8.62	8.32				9.06
Aoki, Masumi (JPN) (1994)	time					6.53	7.57	8.66	9.76	10.89	12.05	12.05	5 / 3			
reaction time	interval						1.04	1.09	1.10	1.13	1.16		# of strides			3.32
	velocity					7.66	9.62	9.17	9.09	8.85	8.62	8.30				9.04
Nobayashi, Yumi (JPN) (1995)	time					6.59	7.65	8.70	9.78	10.91	12.05	12.05	9 / 4			
reaction time	interval						1.06	1.05	1.08	1.13	1.14		# of strides			3.26
	velocity					7.59	9.43	9.52	9.26	8.85	8.77	8.30				9.20
Shimada, Sae (JPN) (1994)	time					6.54	7.63	8.72	9.82	10.97	12.15	12.15	3 / 5			
reaction time	interval						1.09	1.09	1.10	1.15	1.18		# of strides			3.34
	velocity					7.65	9.17	9.17	9.09	8.70	8.47	8.23				8.98
Sugiyama, Haruka (JPN)	time					6.64	7.71	8.80	9.88	11.00	12.15	12.15	2 / 6			
reaction time	interval						1.07	1.09	1.08	1.12	1.15		# of strides			3.29
	velocity					7.53	9.35	9.17	9.26	8.93	8.70	8.23				9.12
Komi, Baba (JPN) (1993)	time					6.54	7.60	8.68	9.81	10.98	12.18	12.18	8 / 7			
reaction time	interval						1.06	1.08	1.13	1.17	1.20		# of strides			3.38
	velocity					7.65	9.43	9.26	8.85	8.55	8.33	8.21				8.88
Yamada, Eri (JPN) (1993)	time					6.61	7.68	8.76	9.87	11.02	12.19	12.19	4 / 8			
reaction time	interval						1.07	1.08	1.11	1.15	1.17		# of strides			3.34
	velocity					7.56	9.35	9.26	9.01	8.70	8.55	8.20				8.98

2011 Windsprint (Sundsvall, SWE)

FINAL

date 31-Jul-11 wind 0.2 m/s *(2011) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ferguson-McKenzie, Debbie (JA	time			4.18			7.15		9.13		11.18	11.18	7 / 1			
reaction time	interval						2.97		1.98		2.05		# of strides	4.18	2.97	
	velocity			7.18			10.10		10.10		9.76	8.94		7.18	10.10	
Russell, Carrie (JAM) (1990)	time			4.12			7.08		9.08		11.20	11.20	5 / 2			
reaction time	interval						2.96		2.00		2.12		# of strides	4.12	2.96	
	velocity			7.28			10.14		10.00		9.43	8.93		7.28	10.14	
Mahan, Shayla (USA) (1989)	time			4.29			7.31		9.32		11.45	11.45	4 / 3			
reaction time	interval						3.02		2.01		2.13		# of strides	4.29	3.02	
	velocity			6.99			9.93		9.95		9.39	8.73		6.99	9.93	
Madison, Tianna (USA) (1985)	time			4.27			7.33		9.36		11.51	11.51	1 / 4			
reaction time	interval						3.06		2.03		2.15		# of strides	4.27	3.06	
	velocity			7.03			9.80		9.85		9.30	8.69		7.03	9.80	
Akinyemi, Folake (NOR) (1990)	time			4.39			7.54		9.65		11.85	11.85	2 / 5			
reaction time	interval						3.15		2.11		2.20		# of strides	4.39	3.15	
	velocity			6.83			9.52		9.48		9.09	8.44		6.83	9.52	
Skugge, Julia (SWE) (1988)	time			4.38			7.52		9.64		11.89	11.89	3 / 6			
reaction time	interval						3.14		2.12		2.25		# of strides	4.38	3.14	
	velocity			6.85			9.55		9.43		8.89	8.41		6.85	9.55	
Eritsland, Siri (NOR) (1989)	time			4.43			7.62		9.80		12.11	12.11	6 / 7			
reaction time	interval						3.19		2.18		2.31		# of strides	4.43	3.19	
	velocity			6.77			9.40		9.17		8.66	8.26		6.77	9.40	

B FINAL

date 31-Jul-11 wind 3.4 m/s *(2011) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ottey, Merlene (SLO) (1960)	time			4.36			7.44		9.52		11.69	11.69	4 / 1			
reaction time	interval						3.08		2.08		2.17		# of strides	4.36	3.08	
	velocity			6.88			9.74		9.62		9.22	8.55		6.88	9.74	
Pettersson, Erica (SWE) (1990)	time			4.41			7.53		9.61		11.78	11.78	2 / 2			
reaction time	interval						3.12		2.08		2.17		# of strides	4.41	3.12	
	velocity			6.80			9.62		9.62		9.22	8.49		6.80	9.62	
Busk, Daniella (SWE) (1993)	time			4.46			7.59		9.66		11.85	11.85	7 / 3			
reaction time	interval						3.13		2.07		2.19		# of strides	4.46	3.13	
	velocity			6.73			9.58		9.66		9.13	8.44		6.73	9.58	
Östlund, Elin (SWE) (1991)	time			4.45			7.55		9.65		11.86	11.86	5 / 4			
reaction time	interval						3.10		2.10		2.21		# of strides	4.45	3.10	
	velocity			6.74			9.68		9.52		9.05	8.43		6.74	9.68	
Backman, Elin (SWE) (1988)	time			4.41			7.58		9.68		11.87	11.87	1 / 5			
reaction time	interval						3.17		2.10		2.19		# of strides	4.41	3.17	
	velocity			6.80			9.46		9.52		9.13	8.42		6.80	9.46	
Olsson, Stephanie (SWE) (1991)	time			4.41			7.56		9.68		11.92	11.92	3 / 6			
reaction time	interval						3.15		2.12		2.24		# of strides	4.41	3.15	
	velocity			6.80			9.52		9.43		8.93	8.39		6.80	9.52	
Isaksen, Iren Vevatne (NOR) (198	time			4.53			7.69		9.79		11.98	11.98	8 / 7			
reaction time	interval						3.16		2.10		2.19		# of strides	4.53	3.16	
	velocity			6.62			9.49		9.52		9.13	8.35		6.62	9.49	
Törnros, Sandra (SWE) (1995)	time			4.56			7.74		9.87		12.11	12.11	6 / 8			
reaction time	interval						3.18		2.13		2.24		# of strides	4.56	3.18	
	velocity			6.58			9.43		9.39		8.93	8.26		6.58	9.43	

C FINAL

date 31-Jul-11 wind 1.2 m/s *(2011) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sönnefors, Marie (SWE) (1993)	time			4.48			7.78		9.96		12.20	12.20	3 / 1			
reaction time	interval						3.30		2.18		2.24		# of strides	4.48	3.30	
	velocity			6.70			9.09		9.17		8.93	8.20		6.70	9.09	
Cederkvist, Astrid (NOR) (1994)	time			4.54			7.70		9.91		12.21	12.21	4 / 2			
reaction time	interval						3.16		2.21		2.30		# of strides	4.54	3.16	
	velocity			6.61			9.49		9.05		8.70	8.19		6.61	9.49	
Hultgren, Matilda (SWE) (1989)	time			4.55			7.83		10.08		12.40	12.40	6 / 3			
reaction time	interval						3.28		2.25		2.32		# of strides	4.55	3.28	

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

	velocity	6.59	9.15	8.89	8.62	8.06		6.59	9.15
Odesjö, Amanda (SWE) (1994)	time	4.64	7.97	10.20	12.54	12.54	8 / 4		
reaction time	interval		3.33	2.23	2.34		# of strides	4.64	3.33
	velocity	6.47	9.01	8.97	8.55	7.97		6.47	9.01
Schüssler, Susanne (SWE) (1995)	time	4.57	7.94	10.25	12.70	12.70	7 / 5		
reaction time	interval		3.37	2.31	2.45		# of strides	4.57	3.37
	velocity	6.56	8.90	8.66	8.16	7.87		6.56	8.90
Sunneborn, Anna (SWE) (1970)	time	4.67	8.07	10.39	12.81	12.81	5 / 6		
reaction time	interval		3.40	2.32	2.42		# of strides	4.67	3.40
	velocity	6.42	8.82	8.62	8.26	7.81		6.42	8.82
Nyhlén, Ulrika (SWE) (1993)	time	4.64	8.04	10.38	12.84	12.84	2 / 7		
reaction time	interval		3.40	2.34	2.46		# of strides	4.64	3.40
	velocity	6.47	8.82	8.55	8.13	7.79		6.47	8.82

2011 Asian Championships (Kobe, JPN)

Heat 2

date 07-Jul-11 wind 1.0 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Okabe, Nao (JPN) (1988)	time	2.08	3.24	4.31	5.35	6.38	7.40	8.43	9.48	10.55	11.63	11.64	/ 2			
reaction time 0.148	interval		1.16	1.07	1.04	1.03	1.02	1.03	1.05	1.07	1.08		# of strides	4.31	3.09	3.15
	velocity	4.81	8.62	9.35	9.62	9.71	9.80	9.71	9.52	9.35	9.26	8.59	51.0	6.96	9.71	9.52

2011 Fuse Sprint (Tottori, JPN)

Race 2

date 26-Jun-11 wind 3.4 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	1.99	3.10	4.11	5.10	6.07	7.06	8.07	9.08	10.10	11.16	11.16	7 / 1			
reaction time	interval		1.11	1.01	0.99	0.97	0.99	1.01	1.01	1.02	1.06		# of strides	4.11	2.95	3.04
	velocity	5.03	9.01	9.90	10.10	10.31	10.10	9.90	9.90	9.80	9.43	8.96	51.5	7.30	10.17	9.87

Race 1

date 26-Jun-11 wind -0.3 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	1.99	3.11	4.15	5.15	6.16	7.14	8.14	9.15	10.19	11.24	11.24	7 / 1			
reaction time	interval		1.12	1.04	1.00	1.01	0.98	1.00	1.01	1.04	1.05		# of strides	4.15	2.99	3.05
	velocity	5.03	8.93	9.62	10.00	9.90	10.20	10.00	9.90	9.62	9.52	8.90	53.4	7.23	10.03	9.84

2011 Japanese National Championships (Kumagaya, JPN)

Heat 3

date 10-Jun-11 wind 0.6 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ichikawa, Kana (JPN) (1991)	time	2.07	3.24	4.31	5.36	6.37	7.40	8.42	9.44	10.48	11.55	11.55	/ 1			
reaction time	interval		1.17	1.07	1.05	1.01	1.03	1.02	1.02	1.04	1.07		# of strides	4.31	3.09	3.08
	velocity	4.83	8.55	9.35	9.52	9.90	9.71	9.80	9.80	9.62	9.35	8.66	49.4	6.96	9.71	9.74
Doi, Anna (JPN) (1995)	time	2.08	3.23	4.29	5.33	6.36	7.41	8.46	9.54	10.63	11.75	11.75	/ 2			
reaction time	interval		1.15	1.06	1.04	1.03	1.05	1.05	1.08	1.09	1.12		# of strides	4.29	3.12	3.22
	velocity	4.81	8.70	9.43	9.62	9.71	9.52	9.52	9.26	9.17	8.93	8.51	54.4	6.99	9.62	9.32

Heat 1

date 10-Jun-11 wind 0.3 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Shimizu, Megumi (JPN) (1987)	time	2.03	3.20	4.28	5.33	6.37	7.40	8.46	9.54	10.64	11.75	11.75	/ 1			
reaction time	interval		1.17	1.08	1.05	1.04	1.03	1.06	1.08	1.10	1.11		# of strides	4.28	3.12	3.24
	velocity	4.93	8.55	9.26	9.52	9.62	9.71	9.43	9.26	9.09	9.01	8.51	49.3	7.01	9.62	9.26

2011 Seiko Golden Grand Prix (Kawasaki, JPN)

FINAL

date 08-May-11 wind -0.4 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takahashi, Momoko (JPN) (1988)	time	2.11	3.28	4.37	5.41	6.45	7.48	8.52	9.56	10.62	11.70	11.70	7 / 6			
reaction time	interval		1.17	1.09	1.04	1.04	1.03	1.04	1.04	1.06	1.08		# of strides	4.37	3.11	3.14
	velocity	4.74	8.55	9.17	9.62	9.62	9.71	9.62	9.62	9.43	9.26	8.55	51.0	6.86	9.65	9.55

2011 Mikio Oda Memorial (Hiroshima, JPN)

FINAL

date 29-Apr-11 wind 2.6 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Breen, Melissa (AUS) (1990)	time	2.05	3.21	4.25	5.25	6.24	7.22	8.21	9.21	10.23	11.27	11.27	5 / 1			
reaction time	interval		1.16	1.04	1.00	0.99	0.98	0.99	1.00	1.02	1.04		# of strides	4.25	2.97	3.01
	velocity	4.88	8.62	9.62	10.00	10.10	10.20	10.10	10.00	9.80	9.62	8.87	50.5	7.06	10.10	9.97
Ichikawa, Kana (JPN) (1991)	time	2.07	3.23	4.27	5.29	6.28	7.28	8.26	9.26	10.26	11.28	11.28	4 / 2			
reaction time	interval		1.16	1.04	1.02	0.99	1.00	0.98	1.00	1.00	1.02		# of strides	4.27	3.01	2.98
	velocity	4.83	8.62	9.62	9.80	10.10	10.00	10.20	10.00	10.00	9.80	8.87	48.7	7.03	9.97	10.07
Kitakaze, Saori (JPN) (1985)	time	2.07	3.22	4.26	5.27	6.26	7.25	8.25	9.28	10.33	11.40	11.40	8 / 3			

reaction time	interval		1.15	1.04	1.01	0.99	0.99	1.00	1.03	1.05	1.07		# of strides	4.26	2.99	3.08
	velocity	4.83	8.70	9.62	9.90	10.10	10.10	10.00	9.71	9.52	9.35	8.77	49.7	7.04	10.03	9.74
Takahashi, Momoko (JPN) (1988)	time	2.12	3.29	4.36	5.38	6.38	7.37	8.36	9.36	10.38	11.41	11.41	1 / 4			
reaction time	interval		1.17	1.07	1.02	1.00	0.99	0.99	1.00	1.02	1.03		# of strides	4.36	3.01	3.01
	velocity	4.72	8.55	9.35	9.80	10.00	10.10	10.10	10.00	9.80	9.71	8.76	57.2	6.88	9.97	9.97

B Final

date 29-Apr-11 wind 2.0 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Watanabe, Mayumi (JPN) (1983)	time	2.05	3.19	4.25	5.27	6.28	7.29	8.32	9.38	10.47	11.59	11.59	4 / 1			
reaction time	interval		1.14	1.06	1.02	1.01	1.01	1.03	1.06	1.09	1.12		# of strides	4.25	3.04	3.18
	velocity	4.88	8.77	9.43	9.80	9.90	9.90	9.71	9.43	9.17	8.93	8.63	53.3	7.06	9.87	9.43
Okayama, Saeko (JPN) (1982)	time	2.20	3.40	4.49	5.53	6.56	7.58	8.61	9.65	10.72	11.81	11.81	1 / 2			
reaction time	interval		1.20	1.09	1.04	1.03	1.02	1.03	1.04	1.07	1.09	PB	# of strides	4.49	3.09	3.14
	velocity	4.55	8.33	9.17	9.62	9.71	9.80	9.71	9.62	9.35	9.17	8.47	48.3	6.68	9.71	9.55

Heat 2

date 29-Apr-11 wind 2.0 m/s

Maho (2012) - sprint speed in 2011 women's 100m race, a change in pitch and stride

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kitakaze, Saori (JPN) (1985)	time	2.03	3.17	4.24	5.28	6.31	7.33	8.37	9.44	10.53	11.65	11.65	3 / 3			
reaction time	interval		1.14	1.07	1.04	1.03	1.02	1.04	1.07	1.09	1.12		# of strides	4.24	3.09	3.20
	velocity	4.93	8.77	9.35	9.62	9.71	9.80	9.62	9.35	9.17	8.93	8.58	58.8	7.08	9.71	9.38
Sano, Yumeka (JPN) (1985)	time	2.07	3.22	4.29	5.33	6.35	7.38	8.43	9.50	10.58	11.70	11.70	6 / 4			
reaction time	interval		1.15	1.07	1.04	1.02	1.03	1.05	1.07	1.08	1.12		# of strides	4.29	3.09	3.20
	velocity	4.83	8.70	9.35	9.62	9.80	9.71	9.52	9.35	9.26	8.93	8.55	52.6	6.99	9.71	9.38

2010 Windsprint (Sundsvall, SWE)

FINAL

date 08-Aug-10 wind 2.4 m/s

(2010) - www.ssg.se/en/Windsprint/Split-times/

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Russell, Carrie (JAM) (1990)	time			4.19			7.18		9.14		11.23	11.23	/ 1			
reaction time	interval						2.99		1.96		2.09		# of strides	4.19	2.99	
	velocity			7.16			10.03		10.20		9.57	8.90		7.16	10.03	
Madison, Tianna (USA) (1985)	time			4.20			7.18		9.18		11.29	11.29	/ 2			
reaction time	interval						2.98		2.00		2.11		# of strides	4.20	2.98	
	velocity			7.14			10.07		10.00		9.48	8.86		7.14	10.07	
Jones, Hayley (GBR) (1988)	time			4.29			7.32		9.34		11.48	11.48	/ 3			
reaction time	interval						3.03		2.02		2.14		# of strides	4.29	3.03	
	velocity			6.99			9.90		9.90		9.35	8.71		6.99	9.90	
Klüft, Carolina (SWE) (1983)	time			4.40			7.49		9.54		11.68	11.68	/ 4			
reaction time	interval						3.09		2.05		2.14		# of strides	4.40	3.09	
	velocity			6.82			9.71		9.76		9.35	8.56		6.82	9.71	
Davin, Elisabeth (BEL) (1981)	time			4.36			7.49		9.60		11.83	11.83	/ 5			
reaction time	interval						3.13		2.11		2.23		# of strides	4.36	3.13	
	velocity			6.88			9.58		9.48		8.97	8.45		6.88	9.58	
Diamond, Emily (GBR) (1991)	time			4.46			7.63		9.71		11.86	11.86	/ 6			
reaction time	interval						3.17		2.08		2.15		# of strides	4.46	3.17	
	velocity			6.73			9.46		9.62		9.30	8.43		6.73	9.46	
Bohlén-Kinn, Therése (SWE) (19	time			4.54			7.71		9.84		12.07	12.07	/ 7			
reaction time	interval						3.17		2.13		2.23		# of strides	4.54	3.17	
	velocity			6.61			9.46		9.39		8.97	8.29		6.61	9.46	
Olsson, Stephanie (SWE) (1991)	time			4.51			7.66		9.81		12.08	12.08	/ 8			
reaction time	interval						3.15		2.15		2.27		# of strides	4.51	3.15	
	velocity			6.65			9.52		9.30		8.81	8.28		6.65	9.52	

B FINAL

date 08-Aug-10 wind 2.2 m/s

(2010) - www.ssg.se/en/Windsprint/Split-times/

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ottey, Merlene (SLO) (1960)	time			4.43			7.53		9.61		11.78	11.78	/ 1			
reaction time	interval						3.10		2.08		2.17		# of strides	4.43	3.10	
	velocity			6.77			9.68		9.62		9.22	8.49		6.77	9.68	
Hjelmer, Moa (SWE) (1990)	time			4.51			7.66		9.73		11.86	11.86	/ 2			
reaction time	interval						3.15		2.07		2.13		# of strides	4.51	3.15	
	velocity			6.65			9.52		9.66		9.39	8.43		6.65	9.52	
Adriansson, Hanna (SWE) (1992)	time			4.47			7.64		9.78		12.02	12.02	/ 3			
reaction time	interval						3.17		2.14		2.24		# of strides	4.47	3.17	
	velocity			6.71			9.46		9.35		8.93	8.32		6.71	9.46	

Bourdin, Helene (SWE) (1980)	time		4.60		7.78	9.89	12.05	12.05	/ 4				
reaction time	interval				3.18	2.11	2.16		# of strides	4.60	3.18		
	velocity		6.52		9.43	9.48	9.26	8.30		6.52	9.43		
Hultgren, Matilda (SWE) (1989)	time		4.52		7.69	9.82	12.05	12.05	/ 5				
reaction time	interval				3.17	2.13	2.23		# of strides	4.52	3.17		
	velocity		6.64		9.46	9.39	8.97	8.30		6.64	9.46		
Alstermark, Linnéa (SWE) (1992)	time		4.44		7.64	9.83	12.12	12.12	/ 6				
reaction time	interval				3.20	2.19	2.29		# of strides	4.44	3.20		
	velocity		6.76		9.38	9.13	8.73	8.25		6.76	9.38		
Sandsjoe, Caroline (SWE) (1992)	time		4.50		7.75	9.94	12.23	12.23	/ 7				
reaction time	interval				3.25	2.19	2.29		# of strides	4.50	3.25		
	velocity		6.67		9.23	9.13	8.73	8.18		6.67	9.23		
Nilsson, Rebecca (SWE) (1993)	time		4.69		8.03	10.28	12.66	12.66	/ 8				
reaction time	interval				3.34	2.25	2.38		# of strides	4.69	3.34		
	velocity		6.40		8.98	8.89	8.40	7.90		6.40	8.98		

C FINAL

date 08-Aug-10 wind 3.5 m/s *(2010) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hellberg-Jonsén, Sofia (SWE) (19	time			4.58			7.84		10.02		12.30	12.30	/ 1			
reaction time	interval						3.26		2.18		2.28		# of strides	4.58	3.26	
	velocity			6.55			9.20		9.17		8.77	8.13		6.55	9.20	
Hildingsson, Anna (SWE) (1993)	time			4.64			7.93		10.12		12.36	12.36	/ 2			
reaction time	interval						3.29		2.19		2.24		# of strides	4.64	3.29	
	velocity			6.47			9.12		9.13		8.93	8.09		6.47	9.12	
Ström, Malin (SWE) (1986)	time			4.55			7.87		10.07		12.37	12.37	/ 3			
reaction time	interval						3.32		2.20		2.30		# of strides	4.55	3.32	
	velocity			6.59			9.04		9.09		8.70	8.08		6.59	9.04	
Hässel, Julia (SWE) (1994)	time			4.72			8.05		10.26		12.55	12.55	/ 4			
reaction time	interval						3.33		2.21		2.29		# of strides	4.72	3.33	
	velocity			6.36			9.01		9.05		8.73	7.97		6.36	9.01	
Johansson, Malin (SWE) (1992)	time			4.74			8.12		10.37		12.71	12.71	/ 5			
reaction time	interval						3.38		2.25		2.34		# of strides	4.74	3.38	
	velocity			6.33			8.88		8.89		8.55	7.87		6.33	8.88	
Johansson, Charlotte (SWE) (19	time			4.72			8.12		10.40		12.76	12.76	/ 6			
reaction time	interval						3.40		2.28		2.36		# of strides	4.72	3.40	
	velocity			6.36			8.82		8.77		8.47	7.84		6.36	8.82	

2010 German National Youth Championships (Ulm, GER)

FINAL

date 07-Aug-10 wind -0.3 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Pähler, Stefanie (GER) (1993)	time		3.38	4.46	5.50		7.58		9.67		11.82	11.82	/ 1			
reaction time	interval			1.08	1.04		2.08		2.09		2.15		# of strides	4.46	3.12	
	velocity		5.92	9.26	9.62		9.62		9.57		9.30	8.46		6.73	9.62	
Drazek, Annika (GER) (1995)	time		3.38	4.46	5.51		7.60		9.73		11.94	11.94	/ 2			
reaction time	interval			1.08	1.05		2.09		2.13		2.21		# of strides	4.46	3.14	
	velocity		5.92	9.26	9.52		9.57		9.39		9.05	8.38		6.73	9.55	
Haase, Rebekka (GER) (1993)	time		3.40	4.49	5.55		7.64		9.76		11.95	11.95	/ 3			
reaction time	interval			1.09	1.06		2.09		2.12		2.19		# of strides	4.49	3.15	
	velocity		5.88	9.17	9.43		9.57		9.43		9.13	8.37		6.68	9.52	
Burghardt, Alexandra (GER) (199	time		3.37	4.45	5.50		7.58		9.72		11.95	11.95	/ 4			
reaction time	interval			1.08	1.05		2.08		2.14		2.23		# of strides	4.45	3.13	
	velocity		5.93	9.26	9.52		9.62		9.35		8.97	8.37		6.74	9.58	
Vögtle, Nadine (GER) (1994)	time		3.35	4.46	5.53		7.66		9.81		12.00	12.00	/ 5			
reaction time	interval			1.11	1.07		2.13		2.15		2.19		# of strides	4.46	3.20	
	velocity		5.97	9.01	9.35		9.39		9.30		9.13	8.33		6.73	9.38	
Zapalska, Monika (GER) (1994)	time		3.39	4.49	5.55		7.68		9.81		12.03	12.03	/ 6			
reaction time	interval			1.10	1.06		2.13		2.13		2.22		# of strides	4.49	3.19	
	velocity		5.90	9.09	9.43		9.39		9.37		9.03	8.31		6.68	9.40	
Frey, Carina (GER) (1994)	time		3.39	4.48	5.54		7.67		9.81		12.03	12.03	/ 7			
reaction time	interval			1.09	1.06		2.13		2.14		2.22		# of strides	4.48	3.19	

	velocity	5.90	9.17	9.43	9.39	9.35	9.01	8.31		6.70	9.40
Braun, Franziska (GER) (1993)	time	3.34	4.44	5.51	7.66	9.82	12.07	12.07	/ 8		
reaction time	interval		1.10	1.07	2.15	2.16	2.25		# of strides	4.44	3.22
	velocity	5.99	9.09	9.35	9.30	9.26	8.89	8.29		6.76	9.32

Semi-Final 3

date 07-Aug-10 wind 0.5 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Burghardt, Alexandra (GER) (199	time		3.36	4.43	5.47		7.53		9.64		11.83	11.83	/ 1			
reaction time	interval			1.07	1.04		2.06		2.11		2.19	PB	# of strides	4.43	3.10	
	velocity		5.95	9.35	9.62		9.71		9.48		9.13	8.45		6.77	9.68	
Frey, Carina (GER) (1994)	time		3.33	4.41	5.45		7.54		9.68		11.89	11.89	/ 2			
reaction time	interval			1.08	1.04		2.09		2.14		2.21	PB	# of strides	4.41	3.13	
	velocity		6.01	9.26	9.62		9.57		9.35		9.05	8.41		6.80	9.58	

Semi-Final 2

date 07-Aug-10 wind 0.0 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Haase, Rebekka (GER) (1993)	time		3.38	4.47	5.52		7.60		9.71		11.87	11.87	/ 1			
reaction time	interval			1.09	1.05		2.08		2.11		2.16		# of strides	4.47	3.13	
	velocity		5.92	9.17	9.52		9.62		9.48		9.26	8.42		6.71	9.58	

Semi-Final 1

date 07-Aug-10 wind 1.3 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Pähler, Stefanie (GER) (1993)	time		3.41	4.48	5.52		7.57		9.63		11.75	11.75	/ 1			
reaction time	interval			1.07	1.04		2.05		2.06		2.12		# of strides	4.48	3.09	
	velocity		5.87	9.35	9.62		9.76		9.71		9.43	8.51		6.70	9.71	
Vögtle, Nadine (GER) (1994)	time		3.36	4.47	5.55		7.65		9.75		11.92	11.92	/ 2			
reaction time	interval			1.11	1.08		2.10		2.10		2.17		# of strides	4.47	3.18	
	velocity		5.95	9.01	9.26		9.52		9.52		9.22	8.39		6.71	9.43	

2010 German National Junior Championships (Ulm, GER)

FINAL

date 06-Aug-10 wind 0.4 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Günther, Leena (GER) (1991)	time		3.36	4.41	5.43		7.44		9.47		11.54	11.54	/ 1			
reaction time	interval			1.05	1.02		2.01		2.03		2.07		# of strides	4.41	3.03	
	velocity		5.95	9.52	9.80		9.95		9.85		9.66	8.67		6.80	9.90	
Pinto, Tatjana (GER) (1992)	time		3.31	4.37	5.39		7.41		9.48		11.64	11.64	/ 2			
reaction time	interval			1.06	1.02		2.02		2.07		2.16		# of strides	4.37	3.04	
	velocity		6.04	9.43	9.80		9.90		9.66		9.26	8.59		6.86	9.87	
Bahl, Nadja (GER) (1992)	time		3.40	4.48	5.52		7.59		9.71		11.93	11.93	/ 3			
reaction time	interval			1.08	1.04		2.07		2.12		2.22		# of strides	4.48	3.11	
	velocity		5.88	9.26	9.62		9.66		9.43		9.01	8.38		6.70	9.65	
Kölsch, Janina (GER) (1991)	time		3.45	4.55	5.61		7.72		9.88		12.07	12.07	/ 4			
reaction time	interval			1.10	1.06		2.11		2.16		2.19		# of strides	4.55	3.17	
	velocity		5.80	9.09	9.43		9.48		9.26		9.13	8.29		6.59	9.46	
Riedl, Julia (GER) (1991)	time		3.48	4.59	5.66		7.79		9.95		12.14	12.14	/ 5			
reaction time	interval			1.11	1.07		2.13		2.16		2.19		# of strides	4.59	3.20	
	velocity		5.75	9.01	9.35		9.39		9.26		9.13	8.24		6.54	9.38	
Baur, Eva (GER) (1992)	time		3.48	4.58	5.65		7.80		9.97		12.18	12.18	/ 6			
reaction time	interval			1.10	1.07		2.15		2.17		2.21		# of strides	4.58	3.22	
	velocity		5.75	9.09	9.35		9.30		9.22		9.05	8.21		6.55	9.32	
Buckel, Carlotta (GER) (1991)	time		3.52	4.64	5.73		7.88		10.06		12.31	12.31	/ 7			
reaction time	interval			1.12	1.09		2.15		2.18		2.25		# of strides	4.64	3.24	
	velocity		5.68	8.93	9.17		9.30		9.17		8.89	8.12		6.47	9.26	
Schmidt, Annika (GER) (1983)	time		3.54	4.67	5.77		7.92		10.13		12.39	12.39	/ 8			
reaction time	interval			1.13	1.10		2.15		2.21		2.26		# of strides	4.67	3.25	
	velocity		5.65	8.85	9.09		9.30		9.05		8.85	8.07		6.42	9.23	

Semi-Final 1

date 06-Aug-10 wind 0.4 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Pinto, Tatjana (GER) (1992)	time		3.26	4.32	5.35		7.38		9.45		11.58	11.58	/ 1			
reaction time	interval			1.06	1.03		2.03		2.07		2.13		# of strides	4.32	3.06	
	velocity		6.13	9.43	9.71		9.85		9.66		9.39	8.64		6.94	9.80	

2010 Japanese National High School Championships (Okinawa, JPN)

FINAL

date 30-Jul-10 wind -3.2 m/s *Matsuo (2010) - 63rd high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Aoki, Masumi (JPN) (1994)	time	2.03	3.24		5.47	6.56	7.65	8.76	9.91	11.06	12.23	12.23	6 / 1			
reaction time	interval		1.21		2.23	1.09	1.09	1.11	1.15	1.15	1.17		# of strides			3.29
	velocity	4.93	8.26		8.97	9.17	9.17	9.01	8.70	8.70	8.55	8.18				9.12
Hashizume, Sakina (JPN) (1993)	time	2.11	3.34		5.59	6.68	7.79	8.92	10.05	11.18	12.35	12.35	3 / 2			
reaction time	interval		1.23		2.25	1.09	1.11	1.13	1.13	1.13	1.17		# of strides			3.33
	velocity	4.74	8.13		8.89	9.17	9.01	8.85	8.85	8.85	8.55	8.10				9.01
Takenaka, Hikaru (JPN) (1993)	time	2.13	3.37		5.62	6.72	7.84	8.96	10.07	11.21	12.38	12.38	7 / 3			
reaction time	interval		1.24		2.25	1.10	1.12	1.12	1.11	1.14	1.17		# of strides			3.34
	velocity	4.69	8.06		8.89	9.09	8.93	8.93	9.01	8.77	8.55	8.08				8.98
Kawabata, Momoko (JPN) (1993)	time	2.07	3.29		5.54	6.64	7.77	8.91	10.06	11.22	12.40	12.40	4 / 4			
reaction time	interval		1.22		2.25	1.10	1.13	1.14	1.15	1.16	1.18		# of strides			3.37
	velocity	4.83	8.20		8.89	9.09	8.85	8.77	8.70	8.62	8.47	8.06				8.90
Nakao, Yuri (JPN) (1992)	time	2.10	3.30		5.53	6.64	7.76	8.91	10.07	11.22	12.44	12.44	5 / 5			
reaction time	interval		1.20		2.23	1.11	1.12	1.15	1.16	1.15	1.22		# of strides			3.38
	velocity	4.76	8.33		8.97	9.01	8.93	8.70	8.62	8.70	8.20	8.04				8.88
Ito, Aya (JPN) (1992)	time	2.13	3.37		5.62	6.73	7.87	8.99	10.14	11.27	12.48	12.48	8 / 6			
reaction time	interval		1.24		2.25	1.11	1.14	1.12	1.15	1.13	1.21		# of strides			3.37
	velocity	4.69	8.06		8.89	9.01	8.77	8.93	8.70	8.85	8.26	8.01				8.90
Ito, Mizuki (JPN) (1994)	time	2.12	3.38		5.63	6.75	7.88	9.03	10.23	11.36	12.59	12.59	1 / 7			
reaction time	interval		1.26		2.25	1.12	1.13	1.15	1.20	1.13	1.23		# of strides			3.40
	velocity	4.72	7.94		8.89	8.93	8.85	8.70	8.33	8.85	8.13	7.94				8.82
Yamada, Eri (JPN) (1993)	time	2.17	3.40		5.67	6.79	7.93	9.08	10.23	11.40	12.64	12.64	2 / 8			
reaction time	interval		1.23		2.27	1.12	1.14	1.15	1.15	1.17	1.24		# of strides			3.41
	velocity	4.61	8.13		8.81	8.93	8.77	8.70	8.70	8.55	8.06	7.91				8.80

2010 Sparkassen-Gala (Regensburg, GER)

FINAL

date 05-Jun-10 wind -0.4 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sailer, Verena (GER) (1985)	time		3.26	4.29	5.28		7.26		9.27		11.32	11.32	/ 1			
reaction time	interval			1.03	0.99		1.98		2.01		2.05		# of strides	4.29	2.97	
	velocity		6.13	9.71	10.10		10.10		9.95		9.76	8.83		6.99	10.10	
Turner, Laura (GBR) (1982)	time		3.23	4.27	5.27		7.29		9.33		11.44	11.44	/ 2			
reaction time	interval			1.04	1.00		2.02		2.04		2.11		# of strides	4.27	3.02	
	velocity		6.19	9.62	10.00		9.90		9.80		9.48	8.74		7.03	9.93	
Pinto, Tatjana (GER) (1992)	time		3.21	4.25	5.26		7.27		9.33		11.46	11.46	/ 3			
reaction time	interval			1.04	1.01		2.01		2.06		2.13	PB	# of strides	4.25	3.02	
	velocity		6.23	9.62	9.90		9.95		9.71		9.39	8.73		7.06	9.93	
Wagner, Marion (GER) (1978)	time		3.33	4.38	5.39		7.41		9.45		11.56	11.56	/ 4			
reaction time	interval			1.05	1.01		2.02		2.04		2.11		# of strides	4.38	3.03	
	velocity		6.01	9.52	9.90		9.90		9.80		9.48	8.65		6.85	9.90	
O'Neill, Elaine (GBR) (1989)	time		3.25	4.30	5.32		7.36		9.44		11.57	11.57	/ 5			
reaction time	interval			1.05	1.02		2.04		2.08		2.13		# of strides	4.30	3.06	
	velocity		6.15	9.52	9.80		9.80		9.62		9.39	8.64		6.98	9.80	
Endacott, Katherine (GBR) (1980	time		3.28	4.34	5.37		7.43		9.54		11.69	11.69	/ 6			
reaction time	interval			1.06	1.03		2.06		2.11		2.15		# of strides	4.34	3.09	
	velocity		6.10	9.43	9.71		9.71		9.48		9.30	8.55		6.91	9.71	
Köhler, Karoline (GER) (1984)	time		3.29	4.34	5.36		7.43		9.54		11.71	11.71	/ 7			
reaction time	interval			1.05	1.02		2.07		2.11		2.17		# of strides	4.34	3.09	
	velocity		6.08	9.52	9.80		9.66		9.48		9.22	8.54		6.91	9.71	

B FINAL

date 05-Jun-10 wind -0.1 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tengel, Katja (GER) (1981)	time		3.33	4.39	5.42		7.47		9.56		11.72	11.72	/ 1			
reaction time	interval			1.06	1.03		2.05		2.09		2.16		# of strides	4.39	3.08	
	velocity		6.01	9.43	9.71		9.76		9.57		9.26	8.53		6.83	9.74	
Pähler, Stefanie (GER) (1993)	time		3.35	4.41	5.44		7.50		9.60		11.73	11.73	/ 2			
reaction time	interval			1.06	1.03		2.06		2.10		2.13		# of strides	4.41	3.09	
	velocity		5.97	9.43	9.71		9.71		9.52		9.39	8.53		6.80	9.71	

Heat 3

date 05-Jun-10 wind -0.7 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kwadwo, Yasmin (GER) (1990)	time		3.17	4.21	5.21		7.22		9.29		11.41	11.41	/ 1			
reaction time	interval			1.04	1.00		2.01		2.07		2.12		# of strides	4.21	3.01	
	velocity		6.31	9.62	10.00		9.95		9.66		9.43	8.76		7.13	9.97	
Pinto, Tatjana (GER) (1992)	time		3.20	4.24	5.24		7.27		9.35		11.50	11.50	/ 2			
reaction time	interval			1.04	1.00		2.03		2.08		2.15	PB	# of strides	4.24	3.03	
	velocity		6.25	9.62	10.00		9.85		9.62		9.30	8.70		7.08	9.90	
Möllinger, Anne (GER) (1985)	time		3.28	4.33	5.34		7.36		9.41		11.53	11.53	/ 3			
reaction time	interval			1.05	1.01		2.02		2.05		2.12		# of strides	4.33	3.03	
	velocity		6.10	9.52	9.90		9.90		9.76		9.43	8.67		6.93	9.90	

Heat 2

date 05-Jun-10 wind -1.4 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wagner, Marion (GER) (1978)	time		3.30	4.36	5.39		7.44		9.52		11.66	11.66	/ 1			
reaction time	interval			1.06	1.03		2.05		2.08		2.14		# of strides	4.36	3.08	
	velocity		6.06	9.43	9.71		9.76		9.62		9.35	8.58		6.88	9.74	

Heat 1

date 05-Jun-10 wind 0.0 m/s *Graubner (2010) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sailer, Verena (GER) (1985)	time		3.21	4.25	5.25		7.24		9.26		11.33	11.33	/ 1			
reaction time	interval			1.04	1.00		1.99		2.02		2.07		# of strides	4.25	2.99	
	velocity		6.23	9.62	10.00		10.05		9.90		9.66	8.83		7.06	10.03	

2010 Japanese National Championships (Marugame, JPN)

FINAL

date 05-Jun-10 wind 0.9 m/s *Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Watanabe, Mayumi (JPN) (1983)	time	2.05	3.21	4.28	5.32	6.35	7.37	8.41	9.46	10.55	11.66	11.66	/ 3			
reaction time 0.148	interval		1.16	1.07	1.04	1.03	1.02	1.04	1.05	1.09	1.11		# of strides	4.28	3.09	3.18
	velocity	4.88	8.62	9.35	9.62	9.71	9.80	9.62	9.52	9.17	9.01	8.58	54.1	7.01	9.71	9.43

2010 Osaka Grand Prix (Osaka, JPN)

FINAL

date 08-May-10 wind -0.1 m/s *Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Campbell-Brown, Veronica (JAM	time	2.03	3.15	4.17	5.16	6.12	7.08	8.04	9.01	10.00	11.02	11.02	/ 1			
reaction time	interval		1.12	1.02	0.99	0.96	0.96	0.96	0.97	0.99	1.02		# of strides	4.17	2.91	2.92
	velocity	4.93	8.93	9.80	10.10	10.42	10.42	10.42	10.31	10.10	9.80	9.07	50.3	7.19	10.31	10.27

2010 Mikio Oda Memorial (Hiroshima, JPN)

FINAL

date 29-Apr-10 wind 1.7 m/s *Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	1.96	3.09	4.13	5.14	6.14	7.13	8.13	9.14	10.17	11.21	11.21	/ 1			
reaction time	interval		1.13	1.04	1.01	1.00	0.99	1.00	1.01	1.03	1.04	NR / PB	# of strides	4.13	3.00	3.04
	velocity	5.10	8.85	9.62	9.90	10.00	10.10	10.00	9.90	9.71	9.62	8.92	54.5	7.26	10.00	9.87
Takahashi, Momoko (JPN) (1988)	time	2.08	3.24	4.30	5.32	6.32	7.31	8.30	9.29	10.31	11.35	11.35	/ 2			
reaction time	interval		1.16	1.06	1.02	1.00	0.99	0.99	0.99	1.02	1.04		# of strides	4.30	3.01	3.00
	velocity	4.81	8.62	9.43	9.80	10.00	10.10	10.10	10.10	9.80	9.62	8.81	49.9	6.98	9.97	10.00
Sano, Yumeka (JPN) (1985)	time	2.08	3.23	4.30	5.34	6.36	7.38	8.41	9.45	10.52	11.59	11.59	/ 4			
reaction time	interval		1.15	1.07	1.04	1.02	1.02	1.03	1.04	1.07	1.07	PB	# of strides	4.30	3.08	3.14
	velocity	4.81	8.70	9.35	9.62	9.80	9.80	9.71	9.62	9.35	9.35	8.63	52.9	6.98	9.74	9.55

2009 Seiko Super Grand Prix (Kawasaki, JPN)

FINAL

date 23-Sep-09 wind -0.8 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Felix, Allyson (USA) (1985)	time	2.02	3.16	4.20	5.20	6.17	7.15	8.14	9.15	10.17	11.22	11.22	4 / 1			
reaction time	interval		1.14	1.04	1.00	0.97	0.98	0.99	1.01	1.02	1.05		# of strides	4.20	2.95	3.02
	velocity	4.95	8.77	9.62	10.00	10.31	10.20	10.10	9.90	9.80	9.52	8.91	46.0	7.14	10.17	9.93

2009 IAAF World Championships (Berlin, GER)

FINAL

date 17-Aug-09 wind 0.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser, Shelly-Ann (JAM) (1986)	time		3.03	4.02	4.98		6.88		8.77		10.73	10.73	3 / 1			
reaction time 0.146	interval			0.99	0.96		1.90		1.89		1.96	AR	# of strides	4.02	2.86	
	velocity		6.60	10.10	10.42		10.53		10.58		10.20	9.32	49.6	7.46	10.49	
Stewart, Kerron (JAM) (1984)	time		3.11	4.11	5.07		6.96		8.82		10.75	10.75	4 / 2			
reaction time 0.170	interval			1.00	0.96		1.89		1.86		1.93	PB	# of strides	4.11	2.85	
	velocity		6.43	10.00	10.42		10.58		10.75		10.36	9.30	49.5	7.30	10.53	
Jeter, Carmelita (USA) (1979)	time		3.13	4.13	5.09		7.01		8.91		10.90	10.90	5 / 3			
reaction time 0.160	interval			1.00	0.96		1.92		1.90		1.99		# of strides	4.13	2.88	

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

		velocity	6.39	10.00	10.42	10.42	10.53	10.05	9.17	47.5	7.26	10.42
Campbell-Brown, Veronica (JAM		time	3.12	4.14	5.12	7.06	8.97	10.95	10.95	6 / 4		
reaction time	0.135	interval		1.02	0.98	1.94	1.91	1.98		# of strides	4.14	2.92
		velocity	6.41	9.80	10.20	10.31	10.47	10.10	9.13	49.5	7.25	10.27
Williams, Lauryn (USA) (1983)		time	3.14	4.15	5.13	7.08	9.00	11.01	11.01	8 / 5		
reaction time	0.158	interval		1.01	0.98	1.95	1.92	2.01		# of strides	4.15	2.93
		velocity	6.37	9.90	10.20	10.26	10.42	9.95	9.08	52.5	7.23	10.24
Ferguson-McKenzie, Debbie (BA		time	3.15	4.17	5.16	7.12	9.06	11.05	11.05	2 / 6		
reaction time	0.130	interval		1.02	0.99	1.96	1.94	1.99		# of strides	4.17	2.95
		velocity	6.35	9.80	10.10	10.20	10.31	10.05	9.05	48.9	7.19	10.17
Sturrup, Chandra (BAH) (1971)		time	3.11	4.13	5.11	7.07	9.02	11.05	11.05	7 / 7		
reaction time	0.137	interval		1.02	0.98	1.96	1.95	2.03		# of strides	4.13	2.94
		velocity	6.43	9.80	10.20	10.20	10.26	9.85	9.05	51.8	7.26	10.20
Bailey, Aleen (JAM) (1980)		time	3.24	4.27	5.27	7.23	9.18	11.16	11.16	1 / 8		
reaction time	0.173	interval		1.03	1.00	1.96	1.95	1.98		# of strides	4.27	2.96
		velocity	6.17	9.71	10.00	10.20	10.26	10.10	8.96	47.5	7.03	10.14

Semi-Final 2

date 17-Aug-09 wind -0.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)		time		3.12	4.12	5.09		7.00		8.89		10.83	10.83	4 / 1			
reaction time	0.144	interval			1.00	0.97		1.91		1.89		1.94	PB	# of strides	4.12	2.88	
		velocity		6.41	10.00	10.31		10.47		10.58		10.31	9.23	49.5	7.28	10.42	
Campbell-Brown, Veronica (JAM		time		3.13	4.16	5.15		7.10		9.02		11.00	11.00	3 / 2			
reaction time	0.148	interval			1.03	0.99		1.95		1.92		1.98		# of strides	4.16	2.94	
		velocity		6.39	9.71	10.10		10.26		10.42		10.10	9.09		7.21	10.20	
Sturrup, Chandra (BAH) (1971)		time		3.11	4.12	5.10		7.08		9.01		11.01	11.01	5 / 3			
reaction time	0.127	interval			1.01	0.98		1.98		1.93		2.00		# of strides	4.12	2.96	
		velocity		6.43	9.90	10.20		10.10		10.36		10.00	9.08		7.28	10.14	
Bailey, Aleen (JAM) (1980)		time		3.23	4.26	5.25		7.22		9.16		11.16	11.16	6 / 4			
reaction time	0.199	interval			1.03	0.99		1.97		1.94		2.00		# of strides	4.26	2.96	
		velocity		6.19	9.71	10.10		10.15		10.31		10.00	8.96		7.04	10.14	
Lee, Muna (USA) (1981)		time		3.21	4.24	5.24		7.21		9.16		11.18	11.18	8 / 5			
reaction time	0.179	interval			1.03	1.00		1.97		1.95		2.02		# of strides	4.24	2.97	
		velocity		6.23	9.71	10.00		10.15		10.26		9.90	8.94		7.08	10.10	
Anim, Vida (GHA) (1983)		time		3.19	4.24	5.25		7.30		9.33		11.43	11.43	1 / 6			
reaction time	0.125	interval			1.05	1.01		2.05		2.03		2.10		# of strides	4.24	3.06	
		velocity		6.27	9.52	9.90		9.76		9.85		9.52	8.75		7.08	9.80	
Hackett, Semoy (TTO) (1988)		time		3.16	4.25	5.25		7.30		9.34		11.45	11.45	7 / 7			
reaction time	0.131	interval			1.09	1.00		2.05		2.04		2.11		# of strides	4.25	3.05	
		velocity		6.33	9.17	10.00		9.76		9.80		9.48	8.73		7.06	9.84	
Artymata, Eleni (CYP) (1986)		time		3.32	4.39	5.42		7.45		9.45		11.49	11.49	2 / 8			
reaction time	0.164	interval			1.07	1.03		2.03		2.00		2.04		# of strides	4.39	3.06	
		velocity		6.02	9.35	9.71		9.85		10.00		9.80	8.70		6.83	9.80	

Semi-Final 1

date 17-Aug-09 wind -0.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser, Shelly-Ann (JAM) (1986)		time		3.06	4.07	5.04		6.94		8.84		10.79	10.79	6 / 1			
reaction time	0.156	interval			1.01	0.97		1.90		1.90		1.95		# of strides	4.07	2.87	
		velocity		6.54	9.90	10.31		10.53		10.53		10.26	9.27		7.37	10.45	
Stewart, Kerron (JAM) (1984)		time		3.09	4.09	5.06		6.94		8.87		10.84	10.84	4 / 2			
reaction time	0.155	interval			1.00	0.97		1.88		1.93		1.97		# of strides	4.09	2.85	
		velocity		6.47	10.00	10.31		10.64		10.36		10.15	9.23		7.33	10.53	
Williams, Lauryn (USA) (1983)		time		3.17	4.18	5.16		7.11		9.02		11.01	11.01	5 / 3			
reaction time	0.148	interval			1.01	0.98		1.95		1.91		1.99		# of strides	4.18	2.93	
		velocity		6.31	9.90	10.20		10.26		10.47		10.05	9.08		7.18	10.24	
Ferguson-McKenzie, Debbie (BA		time		3.15	4.17	5.16		7.12		9.04		11.03	11.03	3 / 4			
reaction time	0.146	interval			1.02	0.99		1.96		1.92		1.99		# of strides	4.17	2.95	
		velocity		6.35	9.80	10.10		10.20		10.42		10.05	9.07		7.19	10.17	
Baptiste, Kelly-Ann (TTO) (1986)		time		3.13	4.15	5.14		7.11		9.04		11.07	11.07	7 / 5			
reaction time	0.141	interval			1.02	0.99		1.97		1.93		2.03		# of strides	4.15	2.96	

		velocity	6.39	9.80	10.10	10.15	10.36	9.85	9.03		7.23	10.14
Sailer, Verena (GER) (1985)		time	3.16	4.19	5.19	7.19	9.17	11.24	11.24	2 / 6		
reaction time	0.149	interval		1.03	1.00	2.00	1.98	2.07		# of strides	4.19	3.00
		velocity	6.33	9.71	10.00	10.00	10.10	9.66	8.90		7.16	10.00
Harrigan, Tahesia (IVB) (1982)		time	3.14	4.19	5.20	7.24	9.25	11.34	11.34	8 / 7		
reaction time	0.146	interval		1.05	1.01	2.04	2.01	2.09		# of strides	4.19	3.05
		velocity	6.37	9.52	9.90	9.80	9.95	9.57	8.82		7.16	9.84
Hutchinson, Ayanna (TTO) (1978		time	3.28	4.35	5.38	7.44	9.46	11.58	11.58	1 / 8		
reaction time	0.169	interval		1.07	1.03	2.06	2.02	2.12		# of strides	4.35	3.09
		velocity	6.10	9.35	9.71	9.71	9.90	9.43	8.64		6.90	9.71

Quarter-Final 4

date 16-Aug-09 wind -0.4 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)		time		3.10	4.11	5.09		7.03		8.93		10.94	10.94	5 / 1			
reaction time	0.140	interval			1.01	0.98		1.94		1.90		2.01		# of strides	4.11	2.92	
		velocity		6.45	9.90	10.20		10.31		10.53		9.95	9.14	49.0	7.30	10.27	
Fraser, Shelly-Ann (JAM) (1986)		time		3.14	4.15	5.12		7.06		8.96		11.02	11.02	6 / 2			
reaction time	0.191	interval			1.01	0.97		1.94		1.90		2.06		# of strides	4.15	2.91	
		velocity		6.37	9.90	10.31		10.31		10.53		9.71	9.07	49.2	7.23	10.31	
Baptiste, Kelly-Ann (TTO) (1986)		time		3.11	4.14	5.13		7.08		9.02		11.05	11.05	3 / 3			
reaction time	0.154	interval			1.03	0.99		1.95		1.94		2.03		# of strides	4.14	2.94	
		velocity		6.43	9.71	10.10		10.26		10.31		9.85	9.05	48.7	7.25	10.20	
de Moura, Lucimar (BRA) (1974)		time		3.19	4.24	5.26		7.30		9.32		11.44	11.44	8 / 5			
reaction time	0.153	interval			1.05	1.02		2.04		2.02		2.12		# of strides	4.24	3.06	
		velocity		6.27	9.52	9.80		9.80		9.90		9.43	8.74		7.08	9.80	
Wagner, Marion (GER) (1978)		time		3.30	4.36	5.38		7.42		9.46		11.64	11.64	7 / 8			
reaction time	0.155	interval			1.06	1.02		2.04		2.04		2.18		# of strides	4.36	3.06	
		velocity		6.06	9.43	9.80		9.80		9.80		9.17	8.59		6.88	9.80	

Quarter-Final 3

date 16-Aug-09 wind 0.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Campbell-Brown, Veronica (JAM		time		3.10	4.11	5.09		7.04		8.96		10.99	10.99	4 / 1			
reaction time	0.156	interval			1.01	0.98		1.95		1.92		2.03		# of strides	4.11	2.93	
		velocity		6.45	9.90	10.20		10.26		10.42		9.85	9.10	49.0	7.30	10.24	
Ferguson-McKenzie, Debbie (BA		time		3.15	4.17	5.16		7.13		9.07		11.08	11.08	6 / 2			
reaction time	0.165	interval			1.02	0.99		1.97		1.94		2.01		# of strides	4.17	2.96	
		velocity		6.35	9.80	10.10		10.15		10.31		9.95	9.03	48.5	7.19	10.14	
Lee, Muna (USA) (1981)		time		3.18	4.20	5.19		7.14		9.08		11.13	11.13	3 / 3			
reaction time	0.190	interval			1.02	0.99		1.95		1.94		2.05		# of strides	4.20	2.94	
		velocity		6.29	9.80	10.10		10.26		10.31		9.76	8.98	47.0	7.14	10.20	
Sailer, Verena (GER) (1985)		time		3.13	4.17	5.17		7.17		9.16		11.26	11.26	5 / 4			
reaction time	0.135	interval			1.04	1.00		2.00		1.99		2.10		# of strides	4.17	3.00	
		velocity		6.39	9.62	10.00		10.00		10.05		9.52	8.88	51.2	7.19	10.00	
Geflikh, Anna (RUS) (1983)		time		3.23	4.28	5.29		7.32		9.33		11.46	11.46	7 / 5			
reaction time	0.199	interval			1.05	1.01		2.03		2.01		2.13		# of strides	4.28	3.04	
		velocity		6.19	9.52	9.90		9.85		9.95		9.39	8.73	48.0	7.01	9.87	
Pohrebnyak, Nataliya (UKR) (198		time		3.21	4.26	5.27		7.31		9.36		11.49	11.49	1 / 6			
reaction time	0.149	interval			1.05	1.01		2.04		2.05		2.13		# of strides	4.26	3.05	
		velocity		6.23	9.52	9.90		9.80		9.76		9.39	8.70	49.5	7.04	9.84	

Quarter-Final 2

date 16-Aug-09 wind 0.8 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Lauryn (USA) (1983)		time		3.14	4.15	5.13		7.08		9.00		11.06	11.06	5 / 1			
reaction time	0.164	interval			1.01	0.98		1.95		1.92		2.06		# of strides	4.15	2.93	
		velocity		6.37	9.90	10.20		10.26		10.42		9.71	9.04	51.5	7.23	10.24	
Bailey, Aileen (JAM) (1980)		time		3.20	4.23	5.23		7.19		9.11		11.12	11.12	3 / 2			
reaction time	0.171	interval			1.03	1.00		1.96		1.92		2.01		# of strides	4.23	2.96	
		velocity		6.25	9.71	10.00		10.20		10.42		9.95	8.99	47.0	7.09	10.14	
Harrigan, Tahesia (IVB) (1982)		time		3.11	4.14	5.14		7.14		9.12		11.21	11.21	4 / 3			
reaction time	0.150	interval			1.03	1.00		2.00		1.98		2.09		# of strides	4.14	3.00	
		velocity		6.43	9.71	10.00		10.00		10.10		9.57	8.92	49.7	7.25	10.00	

Anim, Vida (GHA) (1983)		time	3.15	4.20	5.22	7.25	9.26	11.34	11.34	6 / 4				
reaction time	0.127	interval		1.05	1.02	2.03	2.01	2.08		# of strides	4.20	3.05		
		velocity	6.35	9.52	9.80	9.85	9.95	9.62	8.82	50.2	7.14	9.84		
Artymata, Eleni (CYP) (1986)		time	3.28	4.33	5.35	7.36	9.33	11.37	11.37	7 / 5				
reaction time	0.169	interval		1.05	1.02	2.01	1.97	2.04	PB	# of strides	4.33	3.03		
		velocity	6.10	9.52	9.80	9.95	10.15	9.80	8.80	46.7	6.93	9.90		
Hutchinson, Ayanna (TTO) (1978		time	3.21	4.26	5.27	7.29	9.29	11.40	11.40	1 / 6				
reaction time	0.160	interval		1.05	1.01	2.02	2.00	2.11		# of strides	4.26	3.03		
		velocity	6.23	9.52	9.90	9.90	10.00	9.48	8.77	50.0	7.04	9.90		
Fukushima, Chisato (JPN) (1988)		time	3.14	4.20	5.22	7.26	9.30	11.43	11.43	2 / 7				
reaction time	0.142	interval		1.06	1.02	2.04	2.04	2.13		# of strides	4.20	3.06		
		velocity	6.37	9.43	9.80	9.80	9.80	9.39	8.75	53.5	7.14	9.80		
Tavares, Sónia (POR) (1986)		time	3.16	4.21	5.22	7.27	9.31	11.45	11.45	8 / 8				
reaction time	0.136	interval		1.05	1.01	2.05	2.04	2.14		# of strides	4.21	3.06		
		velocity	6.33	9.52	9.90	9.76	9.80	9.35	8.73	50.0	7.13	9.80		

Quarter-Final 1

date 16-Aug-09 wind -0.3 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stewart, Kerron (JAM) (1984)		time		3.06	4.07	5.05		6.99		8.90		10.92	10.92	5 / 1			
reaction time	0.149	interval			1.01	0.98		1.94		1.91		2.02		# of strides	4.07	2.92	
		velocity		6.54	9.90	10.20		10.31		10.47		9.90	9.16		7.37	10.27	
Sturrup, Chandra (BAH) (1971)		time		3.13	4.16	5.15		7.11		9.03		11.06	11.06	3 / 2			
reaction time	0.153	interval			1.03	0.99		1.96		1.92		2.03		# of strides	4.16	2.95	
		velocity		6.39	9.71	10.10		10.20		10.42		9.85	9.04		7.21	10.17	
Hackett, Semoy (TTO) (1988)		time		3.17	4.22	5.24		7.26		9.28		11.37	11.37	8 / 3			
reaction time	0.143	interval			1.05	1.02		2.02		2.02		2.09		# of strides	4.22	3.04	
		velocity		6.31	9.52	9.80		9.90		9.90		9.57	8.80		7.11	9.87	
Khubbieva, Guzel (UZB) (1976)		time		3.15	4.20	5.22		7.27		9.31		11.43	11.43	1 / 4			
reaction time	0.129	interval			1.05	1.02		2.05		2.04		2.12		# of strides	4.20	3.07	
		velocity		6.35	9.52	9.80		9.76		9.80		9.43	8.75		7.14	9.77	
Okparaebo, Ezinne (NOR) (1988)		time		3.16	4.21	5.22		7.25		9.29		11.44	11.44	6 / 5			
reaction time	0.158	interval			1.05	1.01		2.03		2.04		2.15		# of strides	4.21	3.04	
		velocity		6.33	9.52	9.90		9.85		9.80		9.30	8.74		7.13	9.87	

Heat 9

date 16-Aug-09 wind -0.5 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Baptiste, Kelly-Ann (TTO) (1986)		time		3.17	4.25	5.29		7.37		9.38		11.42	11.42	7 / 1			
reaction time	0.143	interval			1.08	1.04		2.08		2.01		2.04		# of strides	4.25	3.12	
		velocity		6.31	9.26	9.62		9.62		9.95		9.80	8.76		7.06	9.62	
Lee, Muna (USA) (1981)		time		3.23	4.29	5.31		7.37		9.38		11.44	11.44	5 / 2			
reaction time	0.194	interval			1.06	1.02		2.06		2.01		2.06		# of strides	4.29	3.08	
		velocity		6.19	9.43	9.80		9.71		9.95		9.71	8.74		6.99	9.74	
Artymata, Eleni (CYP) (1986)		time		3.27	4.34	5.38		7.42		9.41		11.47	11.47	6 / 3			
reaction time	0.169	interval			1.07	1.04		2.04		1.99		2.06		# of strides	4.34	3.08	
		velocity		6.12	9.35	9.62		9.80		10.05		9.71	8.72		6.91	9.74	

Heat 8

date 16-Aug-09 wind 1.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sturrup, Chandra (BAH) (1971)		time		3.16	4.19	5.19		7.19		9.17		11.28	11.28	3 / 1			
reaction time	0.158	interval			1.03	1.00		2.00		1.98		2.11		# of strides	4.19	3.00	
		velocity		6.33	9.71	10.00		10.00		10.10		9.48	8.87		7.16	10.00	
Geflikh, Anna (RUS) (1983)		time		3.22	4.27	5.28		7.32		9.35		11.47	11.47	4 / 2			
reaction time	0.166	interval			1.05	1.01		2.04		2.03		2.12		# of strides	4.27	3.05	
		velocity		6.21	9.52	9.90		9.80		9.85		9.43	8.72		7.03	9.84	

Heat 7

date 16-Aug-09 wind -0.5 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Lauryn (USA) (1983)		time		3.26	4.29	5.29		7.27		9.24		11.36	11.36	3 / 1			
reaction time	0.206	interval			1.03	1.00		1.98		1.97		2.12		# of strides	4.29	2.98	
		velocity		6.13	9.71	10.00		10.10		10.15		9.43	8.80		6.99	10.07	
Harrigan, Tahesia (IVB) (1982)		time		3.14	4.18	5.19		7.23		9.27		11.39	11.39	7 / 2			
reaction time	0.160	interval			1.04	1.01		2.04		2.04		2.12		# of strides	4.18	3.05	
		velocity		6.37	9.62	9.90		9.80		9.80		9.43	8.78		7.18	9.84	

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Pohrebnyak, Nataliya (UKR) (198	time		3.22	4.28	5.30		7.34		9.39		11.54	11.54	6 / 3			
reaction time 0.164	interval			1.06	1.02		2.04		2.05		2.15		# of strides	4.28	3.06	
	velocity		6.21	9.43	9.80		9.80		9.76		9.30	8.67		7.01	9.80	

Heat 6

date 16-Aug-09 wind -0.6 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Campbell-Brown, Veronica (JAM	time		3.12	4.15	5.15		7.17		9.19		11.34	11.34	3 / 1			
reaction time 0.138	interval			1.03	1.00		2.02		2.02		2.15		# of strides	4.15	3.02	
	velocity		6.41	9.71	10.00		9.90		9.90		9.30	8.82		7.23	9.93	
Okparaebo, Ezinne (NOR) (1988)	time		3.16	4.19	5.19		7.20		9.22		11.35	11.35	7 / 2			
reaction time 0.155	interval			1.03	1.00		2.01		2.02		2.13		# of strides	4.19	3.01	
	velocity		6.33	9.71	10.00		9.95		9.90		9.39	8.81		7.16	9.97	
Hackett, Semoy (TTO) (1988)	time		3.18	4.23	5.24		7.27		9.27		11.36	11.36	8 / 3			
reaction time 0.157	interval			1.05	1.01		2.03		2.00		2.09		# of strides	4.23	3.04	
	velocity		6.29	9.52	9.90		9.85		10.00		9.57	8.80		7.09	9.87	
Ferguson, Sheniqua (BAH) (1989	time		3.25	4.32	5.35		7.41		9.45		11.57	11.57	4 / 4			
reaction time 0.173	interval			1.07	1.03		2.06		2.04		2.12		# of strides	4.32	3.09	
	velocity		6.15	9.35	9.71		9.71		9.80		9.43	8.64		6.94	9.71	

Heat 5

date 16-Aug-09 wind -0.7 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bailey, Aleen (JAM) (1980)	time		3.22	4.27	5.28		7.28		9.25		11.29	11.29	4 / 1			
reaction time 0.174	interval			1.05	1.01		2.00		1.97		2.04		# of strides	4.27	3.01	
	velocity		6.21	9.52	9.90		10.00		10.15		9.80	8.86		7.03	9.97	
Polyakova, Yevgeniya (RUS) (198	time		3.20	4.24	5.25		7.27		9.30		11.41	11.41	2 / 2			
reaction time 0.150	interval			1.04	1.01		2.02		2.03		2.11		# of strides	4.24	3.03	
	velocity		6.25	9.62	9.90		9.90		9.85		9.48	8.76		7.08	9.90	
Soumare, Myriam (FRA) (1986)	time		3.16	4.21	5.22		7.27		9.31		11.45	11.45	6 / 3			
reaction time 0.150	interval			1.05	1.01		2.05		2.04		2.14		# of strides	4.21	3.06	
	velocity		6.33	9.52	9.90		9.76		9.80		9.35	8.73		7.13	9.80	
Hutchinson, Ayanna (TTO) (1978	time		3.26	4.32	5.34		7.39		9.43		11.54	11.54	8 / 4			
reaction time 0.176	interval			1.06	1.02		2.05		2.04		2.11		# of strides	4.32	3.07	
	velocity		6.13	9.43	9.80		9.76		9.80		9.48	8.67		6.94	9.77	

Heat 4

date 16-Aug-09 wind 0.0 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ferguson-McKenzie, Debbie (BA	time		3.19	4.22	5.22		7.22		9.19		11.26	11.26	4 / 1			
reaction time 0.156	interval			1.03	1.00		2.00		1.97		2.07		# of strides	4.22	3.00	
	velocity		6.27	9.71	10.00		10.00		10.15		9.66	8.88		7.11	10.00	
Sailer, Verena (GER) (1985)	time		3.17	4.21	5.21		7.22		9.21		11.29	11.29	5 / 2			
reaction time 0.153	interval			1.04	1.00		2.01		1.99		2.08		# of strides	4.21	3.01	
	velocity		6.31	9.62	10.00		9.95		10.05		9.62	8.86		7.13	9.97	
Osayomi, Oludamola (NGR) (198	time		3.20	4.26	5.28		7.32		9.35		11.49	11.49	6 / 3			
reaction time 0.164	interval			1.06	1.02		2.04		2.03		2.14		# of strides	4.26	3.06	
	velocity		6.25	9.43	9.80		9.80		9.85		9.35	8.70		7.04	9.80	

Heat 3

date 16-Aug-09 wind -0.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)	time		3.20	4.22	5.20		7.17		9.13		11.22	11.22	6 / 1			
reaction time 0.197	interval			1.02	0.98		1.97		1.96		2.09		# of strides	4.22	2.95	
	velocity		6.25	9.80	10.20		10.15		10.20		9.57	8.91		7.11	10.17	
Hodge, Virgil (SKN) (1983)	time		3.25	4.29	5.30		7.32		9.33		11.47	11.47	5 / 2			
reaction time 0.190	interval			1.04	1.01		2.02		2.01		2.14		# of strides	4.29	3.03	
	velocity		6.15	9.62	9.90		9.90		9.95		9.35	8.72		6.99	9.90	
Al-Gasara, Rakia (BRN) (1982)	time		3.32	4.37	5.39		7.42		9.42		11.49	11.49	4 / ~~3~~			
reaction time 0.199	interval			1.05	1.02		2.03		2.00		2.07	DV	# of strides	4.37	3.05	
	velocity		6.02	9.52	9.80		9.85		10.00		9.66	8.70		6.86	9.84	

Heat 2

date 16-Aug-09 wind -0.3 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stewart, Kerron (JAM) (1984)	time		3.15	4.18	5.17		7.20		9.23		11.31	11.31	4 / 1			
reaction time 0.182	interval			1.03	0.99		2.03		2.03		2.08		# of strides	4.18	3.02	
	velocity		6.35	9.71	10.10		9.85		9.85		9.62	8.84		7.18	9.93	

Anim, Vida (GHA) (1983)		time	3.21	4.26	5.27	7.28	9.29	11.38	11.38	8 / 2				
reaction time	0.177	interval		1.05	1.01	2.01	2.01	2.09		# of strides	4.26	3.02		
		velocity	6.23	9.52	9.90	9.95	9.95	9.57	8.79		7.04	9.93		
Lalova, Ivet (BUL) (1984)		time	3.23	4.29	5.32	7.36	9.38	11.48	11.48	3 / 3				
reaction time	0.141	interval		1.06	1.03	2.04	2.02	2.10		# of strides	4.29	3.07		
		velocity	6.19	9.43	9.71	9.80	9.90	9.52	8.71		6.99	9.77		

Heat 1

date 16-Aug-09 wind 0.1 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
de Moura, Lucimar (BRA) (1974)		time		3.21	4.27	5.29		7.33		9.32		11.41	11.41	2 / 1			
reaction time	0.129	interval			1.06	1.02		2.04		1.99		2.09		# of strides	4.27	3.06	
		velocity		6.23	9.43	9.80		9.80		10.05		9.57	8.76		7.03	9.80	
Fraser, Shelly-Ann (JAM) (1986)		time		3.15	4.17	5.16		7.22		9.25		11.41	11.41	4 / 2			
reaction time	0.187	interval			1.02	0.99		2.06		2.03		2.16		# of strides	4.17	3.05	
		velocity		6.35	9.80	10.10		9.71		9.85		9.26	8.76		7.19	9.84	
Wagner, Marion (GER) (1978)		time		3.24	4.29	5.31		7.34		9.36		11.49	11.49	5 / 3			
reaction time	0.118	interval			1.05	1.02		2.03		2.02		2.13		# of strides	4.29	3.05	
		velocity		6.17	9.52	9.80		9.85		9.90		9.39	8.70		6.99	9.84	

2009 Japanese National High School Championships (Nara, JPN)

FINAL

date 30-Jul-09 wind 1.6 m/s *Matsuo (2009) - 62nd high school championships: JAF scientific committee - biomechanics data collection*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Seko, Nodoka (JPN) (1991)		time			4.27	5.30	6.33	7.37	8.45	9.48		11.68	11.68	4 / 1			
reaction time		interval				1.03	1.03	1.04	1.08	1.03		2.20		# of strides	4.27	3.10	
		velocity			7.03	9.71	9.71	9.62	9.26	9.71		9.09	8.56		7.03	9.68	
Ishida, Akane (JPN) (1992)		time			4.28	5.32	6.35	7.40	8.47	9.53		11.73	11.73	5 / 2			
reaction time		interval				1.04	1.03	1.05	1.07	1.06		2.20	PB	# of strides	4.28	3.12	
		velocity			7.01	9.62	9.71	9.52	9.35	9.43		9.09	8.53		7.01	9.62	
Tashiro, Narumi (JPN) (1991)		time			4.38	5.45	6.47	7.50	8.58	9.61		11.78	11.78	7 / 3			
reaction time		interval				1.07	1.02	1.03	1.08	1.03		2.17		# of strides	4.38	3.12	
		velocity			6.85	9.35	9.80	9.71	9.26	9.71		9.22	8.49		6.85	9.62	
Yamashiro, Rio (JPN) (1991)		time			4.35	5.42	6.43	7.48	8.56	9.61		11.82	11.82	8 / 4			
reaction time		interval				1.07	1.01	1.05	1.08	1.05		2.21		# of strides	4.35	3.13	
		velocity			6.90	9.35	9.90	9.52	9.26	9.52		9.05	8.46		6.90	9.58	
Tsuha, Akane (JPN)		time			4.38	5.45	6.48	7.52	8.60	9.63		11.82	11.82	9 / 5			
reaction time		interval				1.07	1.03	1.04	1.08	1.03		2.19		# of strides	4.38	3.14	
		velocity			6.85	9.35	9.71	9.62	9.26	9.71		9.13	8.46		6.85	9.55	
Kimura, Akane (JPN) (1993)		time			4.30	5.36	6.40	7.43	8.53	9.60		11.83	11.83	6 / 6			
reaction time		interval				1.06	1.04	1.03	1.10	1.07		2.23		# of strides	4.30	3.13	
		velocity			6.98	9.43	9.62	9.71	9.09	9.35		8.97	8.45		6.98	9.58	
Soma, Eriko (JPN) (1991)		time			4.35	5.41	6.43	7.48	8.59	9.66		11.89	11.89	3 / 7			
reaction time		interval				1.06	1.02	1.05	1.11	1.07		2.23		# of strides	4.35	3.13	
		velocity			6.90	9.43	9.80	9.52	9.01	9.35		8.97	8.41		6.90	9.58	
Kawasaki, Aoi (JPN) (1991)		time			4.35	5.41	6.45	7.53	8.61	9.71		11.98	11.98	2 / 8			
reaction time		interval				1.06	1.04	1.08	1.08	1.10		2.27		# of strides	4.35	3.18	
		velocity			6.90	9.43	9.62	9.26	9.26	9.09		8.81	8.35		6.90	9.43	

2009 Windsprint (Sundsvall, SWE)

FINAL

date 25-Jul-09 wind 2.0 m/s *(2009) - www.ssg.se/en/Windsprint/Split-times/*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Moore, LaShaunte'a (USA) (1983)		time			4.28			7.25		9.19		11.25	11.25	/ 1			
reaction time		interval						2.97		1.94		2.06		# of strides	4.28	2.97	
		velocity			7.01			10.10		10.31		9.71	8.89		7.01	10.10	
Madison, Tianna (USA) (1985)		time			4.25			7.23		9.22		11.32	11.32	/ 2			
reaction time		interval						2.98		1.99		2.10		# of strides	4.25	2.98	
		velocity			7.06			10.07		10.05		9.52	8.83		7.06	10.07	
Berntsson, Lena (SWE) (1978)		time			4.29			7.36		9.45		11.64	11.64	/ 3			
reaction time		interval						3.07		2.09		2.19		# of strides	4.29	3.07	
		velocity			6.99			9.77		9.57		9.13	8.59		6.99	9.77	
Harmon, Donita (USA) (1983)		time			4.41			7.55		9.64		11.85	11.85	/ 4			
reaction time		interval						3.14		2.09		2.21		# of strides	4.41	3.14	
		velocity			6.80			9.55		9.57		9.05	8.44		6.80	9.55	

Skugge, Julia (SWE) (1988)	time	4.39	7.52	9.63	11.85	11.85	/ 5					
reaction time	interval		3.13	2.11	2.22		# of strides	4.39	3.13			
	velocity	6.83	9.58	9.48	9.01	8.44		6.83	9.58			
Bohlén-Kinn, Therése (SWE) (19	time	4.47	7.60	9.68	11.85	11.85	/ 6					
reaction time	interval		3.13	2.08	2.17		# of strides	4.47	3.13			
	velocity	6.71	9.58	9.62	9.22	8.44		6.71	9.58			
Ström, Malin (SWE) (1986)	time	4.46	7.64	9.75	11.94	11.94	/ 7					
reaction time	interval		3.18	2.11	2.19		# of strides	4.46	3.18			
	velocity	6.73	9.43	9.48	9.13	8.38		6.73	9.43			

B FINAL

date 25-Jul-09 wind 2.5 m/s *(2009) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kronlund, Louise (SWE) (1990)	time			4.61			7.82		9.90		12.07	12.07	/ 1			
reaction time	interval						3.21		2.08		2.17		# of strides	4.61	3.21	
	velocity			6.51			9.35		9.62		9.22	8.29		6.51	9.35	
Eurenius, Isabelle (SWE) (1989)	time			4.49			7.75		9.88		12.09	12.09	/ 2			
reaction time	interval						3.26		2.13		2.21		# of strides	4.49	3.26	
	velocity			6.68			9.20		9.39		9.05	8.27		6.68	9.20	
Slettum, Elisabeth (NOR) (1986)	time			4.67			7.90		10.03		12.27	12.27	/ 3			
reaction time	interval						3.23		2.13		2.24		# of strides	4.67	3.23	
	velocity			6.42			9.29		9.39		8.93	8.15		6.42	9.29	
Isaksen, Iren Vevatne (NOR) (198	time			4.70			8.03		10.23		12.54	12.54	/ 4			
reaction time	interval						3.33		2.20		2.31		# of strides	4.70	3.33	
	velocity			6.38			9.01		9.09		8.66	7.97		6.38	9.01	
Alfredsson, Marine (SWE) (1993)	time			4.67			8.01		10.26		12.63	12.63	/ 5			
reaction time	interval						3.34		2.25		2.37		# of strides	4.67	3.34	
	velocity			6.42			8.98		8.89		8.44	7.92		6.42	8.98	
Östlund, Jessica (SWE) (1991)	time			4.73			8.12		10.37		12.73	12.73	/ 6			
reaction time	interval						3.39		2.25		2.36		# of strides	4.73	3.39	
	velocity			6.34			8.85		8.89		8.47	7.86		6.34	8.85	

C FINAL

date 25-Jul-09 wind 0.9 m/s *(2009) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Grønnhaug, Stine Marie (NOR) (1	time			4.72			8.07		10.32		12.68	12.68	/ 1			
reaction time	interval						3.35		2.25		2.36		# of strides	4.72	3.35	
	velocity			6.36			8.96		8.89		8.47	7.89		6.36	8.96	
Lüppert-Thomsson, Frida (SWE)	time			4.67			8.05		10.33		12.70	12.70	/ 2			
reaction time	interval						3.38		2.28		2.37		# of strides	4.67	3.38	
	velocity			6.42			8.88		8.77		8.44	7.87		6.42	8.88	
Sunneborn, Anna (SWE) (1970)	time			4.74			8.15		10.43		12.80	12.80	/ 3			
reaction time	interval						3.41		2.28		2.37		# of strides	4.74	3.41	
	velocity			6.33			8.80		8.77		8.44	7.81		6.33	8.80	
Larsson, Frida (SWE) (1992)	time			4.72			8.12		10.40		12.81	12.81	/ 4			
reaction time	interval						3.40		2.28		2.41		# of strides	4.72	3.40	
	velocity			6.36			8.82		8.77		8.30	7.81		6.36	8.82	
Johansson, Malin (SWE) (1992)	time			4.82			8.20		10.45		12.81	12.81	/ 5			
reaction time	interval						3.38		2.25		2.36		# of strides	4.82	3.38	
	velocity			6.22			8.88		8.89		8.47	7.81		6.22	8.88	

D FINAL

date 25-Jul-09 wind 0.8 m/s *(2009) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stene Stensheim, Jeanette (NOR	time			4.72			8.36		10.74		13.23	13.23	/ 1			
reaction time	interval						3.64		2.38		2.49		# of strides	4.72	3.64	
	velocity			6.36			8.24		8.40		8.03	7.56		6.36	8.24	
Näslund, Sofie (SWE) (1992)	time			4.67			8.36		10.76		13.30	13.30	/ 2			
reaction time	interval						3.69		2.40		2.54		# of strides	4.67	3.69	
	velocity			6.42			8.13		8.33		7.87	7.52		6.42	8.13	
Hofstad, Cecilie (NOR) (1992)	time			4.99			8.67		10.95		13.40	13.40	/ 3			
reaction time	interval						3.68		2.28		2.45		# of strides	4.99	3.68	
	velocity			6.01			8.15		8.77		8.16	7.46		6.01	8.15	

2009 Japanese National Championships (Hiroshima, JPN)

Semi-Final 2

date 28-Jun-09 wind 1.0 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wada, Maki (JPN) (1986)	time	2.04	3.20	4.28	5.32	6.36	7.40	8.44	9.50	10.58	11.68	11.68	4 / 2			
reaction time	interval		1.16	1.08	1.04	1.04	1.04	1.04	1.06	1.08	1.10		# of strides	4.28	3.12	3.18
	velocity	4.90	8.62	9.26	9.62	9.62	9.62	9.62	9.43	9.26	9.09	8.56	51.0	7.01	9.62	9.43
Kawarazaki, Kaori (JPN) (1987)	time	2.11	3.27	4.33	5.37	6.41	7.45	8.50	9.57	10.65	11.76	11.76	3 / 3			
reaction time	interval		1.16	1.06	1.04	1.04	1.04	1.05	1.07	1.08	1.11		# of strides	4.33	3.12	3.20
	velocity	4.74	8.62	9.43	9.62	9.62	9.62	9.52	9.35	9.26	9.01	8.50	51.5	6.93	9.62	9.38

Semi-Final 1

date 28-Jun-09 wind 1.8 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sano, Yumeka (JPN) (1985)	time	2.08	3.24	4.31	5.35	6.38	7.42	8.46	9.53	10.63	11.75	11.75	3 / 4			
reaction time	interval		1.16	1.07	1.04	1.03	1.04	1.04	1.07	1.10	1.12		# of strides	4.31	3.11	3.21
	velocity	4.81	8.62	9.35	9.62	9.71	9.62	9.62	9.35	9.09	8.93	8.51	52.2	6.96	9.65	9.35

Heat 4

date 27-Jun-09 wind 3.0 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nakano, Hitomi (JPN) (1990)	time	2.08	3.25	4.33	5.38	6.43	7.48	8.53	9.60	10.70	11.82	11.82	4 / 3			
reaction time	interval		1.17	1.08	1.05	1.05	1.05	1.05	1.07	1.10	1.12		# of strides	4.33	3.15	3.22
	velocity	4.81	8.55	9.26	9.52	9.52	9.52	9.52	9.35	9.09	8.93	8.46		6.93	9.52	9.32

Heat 3

date 27-Jun-09 wind 2.1 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Okabe, Nao (JPN) (1988)	time	2.03	3.20	4.28	5.33	6.38	7.43	8.49	9.58	10.69	11.83	11.83	3 / 3			
reaction time	interval		1.17	1.08	1.05	1.05	1.05	1.06	1.09	1.11	1.14		# of strides	4.28	3.15	3.26
	velocity	4.93	8.55	9.26	9.52	9.52	9.52	9.43	9.17	9.01	8.77	8.45		7.01	9.52	9.20

Heat 1

date 27-Jun-09 wind 1.5 m/s *Hisashi (2010) - the run performance analysis in the decathlon sprint events*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.02	3.16	4.20	5.22	6.23	7.23	8.23	9.25	10.30	11.32	11.32	7 / 1			
reaction time	interval		1.14	1.04	1.02	1.01	1.00	1.00	1.02	1.05	1.02		# of strides	4.20	3.03	3.07
	velocity	4.95	8.77	9.62	9.80	9.90	10.00	10.00	9.80	9.52	9.80	8.83	51.2	7.14	9.90	9.77

2009 ISTAF (Berlin, GER)

FINAL

date 14-Jun-09 wind 0.1 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stewart, Kerron (JAM) (1984)	time		3.17	4.19	5.18		7.10		9.06		11.00	11.00	/ 1			
reaction time 0.191	interval			1.02	0.99		1.92		1.96		1.94		# of strides	4.19	2.91	
	velocity		6.31	9.80	10.10		10.42		10.20		10.31	9.09		7.16	10.31	
Durst, Stephanie (USA) (1982)	time		3.23	4.27	5.27		7.23		9.20		11.15	11.15	/ 2			
reaction time 0.176	interval			1.04	1.00		1.96		1.97		1.95		# of strides	4.27	2.96	
	velocity		6.19	9.62	10.00		10.20		10.15		10.26	8.97		7.03	10.14	
Brooks, Sheri-Ann (JAM) (1983)	time		3.19	4.21	5.19		7.14		9.15		11.18	11.18	/ 3			
reaction time 0.165	interval			1.02	0.98		1.95		2.01		2.03		# of strides	4.21	2.93	
	velocity		6.27	9.80	10.20		10.26		9.95		9.85	8.94		7.13	10.24	
Sturrup, Chandra (BAH) (1971)	time		3.20	4.23	5.22		7.16		9.15		11.18	11.18	/ 4			
reaction time 0.198	interval			1.03	0.99		1.94		1.99		2.03		# of strides	4.23	2.93	
	velocity		6.25	9.71	10.10		10.31		10.05		9.85	8.94		7.09	10.24	
Ferguson-McKenzie, Debbie (BA	time		3.18	4.22	5.22		7.19		9.20		11.19	11.19	/ 5			
reaction time 0.154	interval			1.04	1.00		1.97		2.01		1.99		# of strides	4.22	2.97	
	velocity		6.29	9.62	10.00		10.15		9.95		10.05	8.94		7.11	10.10	
Jones-Ferrett, Laverne (ISV) (198	time		3.11	4.14	5.14		7.11		9.16		11.23	11.23	/ 6			
reaction time 0.147	interval			1.03	1.00		1.97		2.05		2.07		# of strides	4.14	2.97	
	velocity		6.43	9.71	10.00		10.15		9.76		9.66	8.90		7.25	10.10	
Baptiste, Kelly-Ann (TTO) (1986)	time		3.20	4.23	5.23		7.20		9.24		11.33	11.33	/ 7			
reaction time 0.164	interval			1.03	1.00		1.97		2.04		2.09		# of strides	4.23	2.97	
	velocity		6.25	9.71	10.00		10.15		9.80		9.57	8.83		7.09	10.10	
Sailer, Verena (GER) (1985)	time		3.19	4.23	5.24		7.24		9.31		11.41	11.41	/ 8			
reaction time 0.171	interval			1.04	1.01		2.00		2.07		2.10		# of strides	4.23	3.01	
	velocity		6.27	9.62	9.90		10.00		9.66		9.52	8.76		7.09	9.97	
Harrigan, Tahesia (IVB) (1982)	time		3.17	4.22	5.23		7.26		9.35		11.47	11.47	/ 9			
reaction time 0.180	interval			1.05	1.01		2.03		2.09		2.12		# of strides	4.22	3.04	
	velocity		6.31	9.52	9.90		9.85		9.57		9.43	8.72		7.11	9.87	

B FINAL

date 14-Jun-09 wind 0.1 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Anim, Vida (GHA) (1983)	time		3.22	4.28	5.30		7.33		9.39		11.46	11.46	/ 1			
reaction time 0.164	interval			1.06	1.02		2.03		2.06		2.07		# of strides	4.28	3.05	
	velocity		6.21	9.43	9.80		9.85		9.71		9.66	8.73		7.01	9.84	
Turner, Laura (GBR) (1982)	time		3.21	4.26	5.28		7.31		9.38		11.46	11.46	/ 2			
reaction time 0.175	interval			1.05	1.02		2.03		2.07		2.08		# of strides	4.26	3.05	
	velocity		6.23	9.52	9.80		9.85		9.66		9.62	8.73		7.04	9.84	
Louami, Carima (FRA) (1979)	time		3.27	4.33	5.35		7.38		9.46		11.56	11.56	/ 3			
reaction time 0.168	interval			1.06	1.02		2.03		2.08		2.10		# of strides	4.33	3.05	
	velocity		6.12	9.43	9.80		9.85		9.62		9.52	8.65		6.93	9.84	
Thomas, Kadi-Ann (GBR) (1986)	time		3.28	4.34	5.36		7.39		9.47		11.59	11.59	/ 4			
reaction time 0.192	interval			1.06	1.02		2.03		2.08		2.12		# of strides	4.34	3.05	
	velocity		6.10	9.43	9.80		9.85		9.62		9.43	8.63		6.91	9.84	
Wagner, Marion (GER) (1978)	time		3.28	4.34	5.36		7.38		9.47		11.61	11.61	/ 5			
reaction time 0.177	interval			1.06	1.02		2.02		2.09		2.14		# of strides	4.34	3.04	
	velocity		6.10	9.43	9.80		9.90		9.57		9.35	8.61		6.91	9.87	
Tschirch, Cathleen (GER) (1979)	time		3.27	4.34	5.38		7.43		9.52		11.61	11.61	/ 6			
reaction time 0.168	interval			1.07	1.04		2.05		2.09		2.09		# of strides	4.34	3.09	
	velocity		6.12	9.35	9.62		9.76		9.57		9.57	8.61		6.91	9.71	
Möllinger, Anne (GER) (1985)	time		3.36	4.42	5.45		7.48		9.53		11.62	11.62	/ 7			
reaction time 0.177	interval			1.06	1.03		2.03		2.05		2.09		# of strides	4.42	3.06	
	velocity		5.95	9.43	9.71		9.85		9.76		9.57	8.61		6.79	9.80	
Brzezińska, Iwona (POL) (1986)	time		3.26	4.32	5.35		7.41		9.52		11.65	11.65	/ 8			
reaction time 0.186	interval			1.06	1.03		2.06		2.11		2.13		# of strides	4.32	3.09	
	velocity		6.13	9.43	9.71		9.71		9.48		9.39	8.58		6.94	9.71	
Jacques-Sébastien, Lina (FRA) (1	time		3.28	4.35	5.39		7.44		9.55		11.69	11.69	/ 9			
reaction time 0.148	interval			1.07	1.04		2.05		2.11		2.14		# of strides	4.35	3.09	
	velocity		6.10	9.35	9.62		9.76		9.48		9.35	8.55		6.90	9.71	

C FINAL

date 14-Jun-09 wind 0.9 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Freeman, Emily (GBR) (1980)	time		3.22	4.25	5.24		7.22		9.25		11.33	11.33	/ 1			
reaction time 0.220	interval			1.03	0.99		1.98		2.03		2.08	PB	# of strides	4.25	2.97	
	velocity		6.21	9.71	10.10		10.10		9.85		9.62	8.83		7.06	10.10	
Nelson, Ashleigh (GBR) (1991)	time		3.24	4.27	5.27		7.25		9.28		11.36	11.36	/ 2			
reaction time 0.247	interval			1.03	1.00		1.98		2.03		2.08	PB	# of strides	4.27	2.98	
	velocity		6.17	9.71	10.00		10.10		9.85		9.62	8.80		7.03	10.07	
Čechová, Katerina (CZE) (1988)	time		3.28	4.35	5.38		7.46		9.60		11.75	11.75	/ 3			
reaction time 0.184	interval			1.07	1.03		2.08		2.14		2.15		# of strides	4.35	3.11	
	velocity		6.10	9.35	9.71		9.62		9.35		9.30	8.51		6.90	9.65	
Jędrusińska, Dorota (POL) (1982)	time		3.30	4.38	5.42		7.49		9.62		11.80	11.80	/ 4			
reaction time 0.193	interval			1.08	1.04		2.07		2.13		2.18		# of strides	4.38	3.11	
	velocity		6.06	9.26	9.62		9.66		9.39		9.17	8.47		6.85	9.65	
Wakan, Katja (GER) (1981)	time		3.32	4.39	5.42		7.49		9.63		11.83	11.83	/ 5			
reaction time 0.206	interval			1.07	1.03		2.07		2.14		2.20		# of strides	4.39	3.10	
	velocity		6.02	9.35	9.71		9.66		9.35		9.09	8.45		6.83	9.68	
Sutschet, Julia (GER) (1988)	time		3.44	4.53	5.58		7.70		9.91		11.86	11.86	/ 6			
reaction time 0.265	interval			1.09	1.05		2.12		2.21		1.95		# of strides	4.53	3.17	
	velocity		5.81	9.17	9.52		9.43		9.05		10.26	8.43		6.62	9.46	
Peters, Mareike (GER) (1986)	time		3.34	4.42	5.47		7.58		9.73		11.96	11.96	/ 7			
reaction time 0.213	interval			1.08	1.05		2.11		2.15		2.23		# of strides	4.42	3.16	
	velocity		5.99	9.26	9.52		9.48		9.30		8.97	8.36		6.79	9.49	
M'belu, Lucienne (FRA) (1989)	time		3.41	4.48	5.51		7.59		9.69		12.13	12.13	/ 8			
reaction time 0.284	interval			1.07	1.03		2.08		2.10		2.44		# of strides	4.48	3.11	
	velocity		5.87	9.35	9.71		9.62		9.52		8.20	8.24		6.70	9.65	
Mazáčová, Iveta (CZE) (1986)	time		3.45	4.54	5.60		7.71		9.89		12.19	12.19	/ 9			
reaction time 0.293	interval			1.09	1.06		2.11		2.18		2.30		# of strides	4.54	3.17	
	velocity		5.80	9.17	9.43		9.48		9.17		8.70	8.20		6.61	9.46	

2009 Mikio Oda Memorial (Hiroshima, JPN)

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

A FINAL

date 29-Apr-09 wind 2.2 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	1.99	3.11	4.14	5.14	6.13	7.12	8.11	9.12	10.16	11.23	11.23	5 / 1			
reaction time	interval		1.12	1.03	1.00	0.99	0.99	0.99	1.01	1.04	1.07		# of strides	4.14	2.98	3.04
	velocity	5.03	8.93	9.71	10.00	10.10	10.10	10.10	9.90	9.62	9.35	8.90	52.0	7.25	10.07	9.87
Takahashi, Momoko (JPN) (1988)	time	2.06	3.22	4.27	5.29	6.27	7.26	8.23	9.22	10.22	11.40	11.40	1 / 2			
reaction time	interval		1.16	1.05	1.02	0.98	0.99	0.97	0.99	1.00	1.18		# of strides	4.27	2.99	2.96
	velocity	4.85	8.62	9.52	9.80	10.20	10.10	10.31	10.10	10.00	8.47	8.77		7.03	10.03	10.14

Heat 3

date 29-Apr-09 wind 3.4 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ota, Tomoko (JPN) (1977)	time	2.04	3.20	4.27	5.31	6.34	7.39	8.45	9.53	10.62	11.74	11.74	5 / 3			
reaction time	interval		1.16	1.07	1.04	1.03	1.05	1.06	1.08	1.09	1.12		# of strides	4.27	3.12	3.23
	velocity	4.90	8.62	9.35	9.62	9.71	9.52	9.43	9.26	9.17	8.93	8.52	56.2	7.03	9.62	9.29

Heat 2

date 29-Apr-09 wind 2.8 m/s *Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Watanabe, Mayumi (JPN) (1983)	time	2.07	3.21	4.26	5.26	6.25	7.23	8.23	9.25	10.27	11.31	11.31	5 / 1			
reaction time	interval		1.14	1.05	1.00	0.99	0.98	1.00	1.02	1.02	1.04		# of strides	4.26	2.97	3.04
	velocity	4.83	8.77	9.52	10.00	10.10	10.20	10.00	9.80	9.80	9.62	8.84	50.0	7.04	10.10	9.87

2008 Seiko Super Grand Prix (Kawasaki, JPN)

FINAL

date 23-Sep-08 wind -0.6 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.04	3.21	4.28	5.32	6.35	7.39	8.44	9.50	10.59	11.70	11.70	/ 1			
reaction time	interval		1.17	1.07	1.04	1.03	1.04	1.05	1.06	1.09	1.11		# of strides	4.28	3.11	3.20
	velocity	4.90	8.55	9.35	9.62	9.71	9.62	9.52	9.43	9.17	9.01	8.55		7.01	9.65	9.38
Davis, Candice (USA) (1985)	time	2.11	3.30	4.39	5.45	6.49	7.54	8.61	9.69	10.79	11.89	11.89	/ 2			
reaction time	interval		1.19	1.09	1.06	1.04	1.05	1.07	1.08	1.10	1.10		# of strides	4.39	3.15	3.25
	velocity	4.74	8.40	9.17	9.43	9.62	9.52	9.35	9.26	9.09	9.09	8.41		6.83	9.52	9.23
Cherry, Damu (USA) (1977)	time	2.12	3.29	4.36	5.41	6.45	7.51	8.57	9.66	10.77	11.90	11.90	/ 4			
reaction time	interval		1.17	1.07	1.05	1.04	1.06	1.06	1.09	1.11	1.13		# of strides	4.36	3.15	3.26
	velocity	4.72	8.55	9.35	9.52	9.62	9.43	9.43	9.17	9.01	8.85	8.40		6.88	9.52	9.20
Ota, Tomoko (JPN) (1977)	time	2.15	3.32	4.41	5.47	6.53	7.59	8.66	9.76	10.86	11.99	11.99	/ 5			
reaction time	interval		1.17	1.09	1.06	1.06	1.06	1.07	1.10	1.10	1.13		# of strides	4.41	3.18	3.27
	velocity	4.65	8.55	9.17	9.43	9.43	9.43	9.35	9.09	9.09	8.85	8.34		6.80	9.43	9.17

2008 IAAF World Athletic Final (Stuttgart, GER)

FINAL

date 14-Sep-08 wind 0.3 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser, Shelly-Ann (JAM) (1986)	time		3.14	4.15	5.12	6.08	7.05	7.99	8.96		10.94	10.94	3 / 1			
reaction time 0.180	interval			1.01	0.97	0.96	0.97	0.94	0.97		1.98		# of strides	4.15	2.90	
	velocity		6.37	9.90	10.31	10.42	10.31	10.64	10.31		10.10	9.14	49.6	7.23	10.34	
Stewart, Kerron (JAM) (1984)	time		3.19	4.21	5.19	6.16	7.14	8.09	9.06		11.06	11.06	5 / 2			
reaction time 0.169	interval			1.02	0.98	0.97	0.98	0.95	0.97		2.00		# of strides	4.21	2.93	
	velocity		6.27	9.80	10.20	10.31	10.20	10.53	10.31		10.00	9.04	47.8	7.13	10.24	
Hooker, Marshevet (USA) (1984)	time		3.20	4.22	5.21	6.18	7.16	8.11	9.08		11.06	11.06	7 / 3			
reaction time 0.152	interval			1.02	0.99	0.97	0.98	0.95	0.97		1.98		# of strides	4.22	2.94	
	velocity		6.25	9.80	10.10	10.31	10.20	10.53	10.31		10.10	9.04	47.4	7.11	10.20	
Jeter, Carmelita (USA) (1979)	time		3.25	4.29	5.29	6.27	7.27	8.23	9.21		11.21	11.21	8 / 4			
reaction time 0.171	interval			1.04	1.00	0.98	1.00	0.96	0.98		2.00		# of strides	4.29	2.98	
	velocity		6.15	9.62	10.00	10.20	10.00	10.42	10.20		10.00	8.92		6.99	10.07	
Edwards, Torri (USA) (1977)	time		3.22	4.25	5.24	6.22	7.21	8.18	9.17		11.22	11.22	6 / 5			
reaction time 0.153	interval			1.03	0.99	0.98	0.99	0.97	0.99		2.05		# of strides	4.25	2.96	
	velocity		6.21	9.71	10.10	10.20	10.10	10.31	10.10		9.76	8.91		7.06	10.14	
Williams, Lauryn (USA) (1983)	time		3.20	4.23	5.23	6.21	7.22	8.19	9.18		11.22	11.22	4 / 6			
reaction time 0.154	interval			1.03	1.00	0.98	1.01	0.97	0.99		2.04		# of strides	4.23	2.99	
	velocity		6.25	9.71	10.00	10.20	9.90	10.31	10.10		9.80	8.91		7.09	10.03	
Sturrup, Chandra (BAH) (1971)	time		3.15	4.18	5.17	6.15	7.15	8.13	9.14		11.23	11.23	1 / 7			
reaction time 0.136	interval			1.03	0.99	0.98	1.00	0.98	1.01		2.09		# of strides	4.18	2.97	
	velocity		6.35	9.71	10.10	10.20	10.00	10.20	9.90		9.57	8.90		7.18	10.10	
Ferguson-McKenzie, Debbie (BA	time		3.20	4.24	5.25	6.25	7.25	8.22	9.22		11.25	11.25	2 / 8			
reaction time 0.155	interval			1.04	1.01	1.00	1.00	0.97	1.00		2.03		# of strides	4.24	3.01	
	velocity		6.25	9.62	9.90	10.00	10.00	10.31	10.00		9.85	8.89		7.08	9.97	

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

2008 Olympic Games (Beijing, CHN)

FINAL date 17-Aug-08 wind 0.0 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fraser, Shelly-Ann (JAM) (1986)	0.190	no information available										10.78	4 / 1	# of strides	49.7	
Simpson, Sherone (JAM) (1984)	0.155	no information available										10.98	2 / 2	# of strides	49.2	
Stewart, Kerron (JAM) (1984)	0.232	no information available										10.98	7 / 2	# of strides	48.0	
Williams, Lauryn (USA) (1983)	0.149	no information available										11.03	8 / 4	# of strides	52.7	
Lee, Muna (USA) (1983)	0.234	no information available										11.07	5 / 5	# of strides	47.2	
Kwakye, Jeanette (GBR) (1983)	0.161	no information available									PB	11.14	9 / 6	# of strides	50.7	
Ferguson McKenzie, Debbie (BA	0.167	no information available										11.19	3 / 7	# of strides	48.7	
Edwards, Torri (USA) (1977)	0.179	no information available										11.20	6 / 8	# of strides	51.0	

2008 Japanese National High School Championships (Kumagaya, JPN)

FINAL date 30-Jul-08 wind 0.4 m/s *Abe (2008) - 61st high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kageyama, Megumi (JPN) (1990)	time	2.18	3.35	4.43	5.49	6.53	7.58	8.63	9.69	10.77	11.87	11.87	/ 1			
reaction time	interval		1.17	1.08	1.06	1.04	1.05	1.05	1.06	1.08	1.10	PB	# of strides	4.43	3.15	3.19
	velocity	9.17	8.55	9.26	9.43	9.62	9.52	9.52	9.43	9.26	9.09	8.42		6.77	9.52	9.40
Seko, Nodoka (JPN) (1991)	time	2.13	3.31	4.39	5.44	6.48	7.54	8.60	9.68	10.78	11.92	11.92	/ 2			
reaction time	interval		1.18	1.08	1.05	1.04	1.06	1.06	1.08	1.10	1.14		# of strides	4.39	3.15	3.24
	velocity	9.39	8.47	9.26	9.52	9.62	9.43	9.43	9.26	9.09	8.77	8.39		6.83	9.52	9.26
Watanabe, Misato (JPN) (1990)	time	2.15	3.34	4.44	5.50	6.55	7.60	8.66	9.73	10.82	11.93	11.93	/ 4			
reaction time	interval		1.19	1.10	1.06	1.05	1.05	1.06	1.07	1.09	1.11		# of strides	4.44	3.16	3.22
	velocity	9.30	8.40	9.09	9.43	9.52	9.52	9.43	9.35	9.17	9.01	8.38		6.76	9.49	9.32
Fujita, Haruka (JPN) (1992)	time	2.09	3.28	4.37	5.43	6.48	7.54	8.62	9.70	10.80	11.93	11.93	/ 5			
reaction time	interval		1.19	1.09	1.06	1.05	1.06	1.08	1.08	1.10	1.13	PB	# of strides	4.37	3.17	3.26
	velocity	9.57	8.40	9.17	9.43	9.52	9.43	9.26	9.26	9.09	8.85	8.38		6.86	9.46	9.20
Tachiyama, Kie (JPN) (1990)	time	2.10	3.29	4.39	5.45	6.50	7.56	8.63	9.72	10.83	11.96	11.96	/ 6			
reaction time	interval		1.19	1.10	1.06	1.05	1.06	1.07	1.09	1.11	1.13		# of strides	4.39	3.17	3.27
	velocity	9.52	8.40	9.09	9.43	9.52	9.43	9.35	9.17	9.01	8.85	8.36		6.83	9.46	9.17

2008 Windsprint (Sundsvall, SWE)

FINAL date 06-Jul-08 wind 1.0 m/s *(2008) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Okpareabeo, Ezinne (NOR) (1988)	time			4.22			7.24		9.29		11.42	11.42	5 / 1			
reaction time	interval						3.02		2.05		2.13		# of strides	4.22	3.02	
	velocity			7.11			9.93		9.76		9.39	8.76		7.11	9.93	
McLaughlin, Anneisha (JAM) (19	time			4.32			7.34		9.46		11.60	11.60	6 / 2			
reaction time	interval						3.02		2.12		2.14		# of strides	4.32	3.02	
	velocity			6.94			9.93		9.43		9.35	8.62		6.94	9.93	
Harmon, Donita (USA) (1983)	time			4.38			7.42		9.53		11.63	11.63	2 / 3			
reaction time	interval						3.04		2.11		2.10		# of strides	4.38	3.04	
	velocity			6.85			9.87		9.48		9.52	8.60		6.85	9.87	
Berntsson, Lena (SWE) (1978)	time			4.26			7.32		9.47		11.67	11.67	1 / 4			
reaction time	interval						3.06		2.15		2.20		# of strides	4.26	3.06	
	velocity			7.04			9.80		9.30		9.09	8.57		7.04	9.80	
Pillay, Geraldine (RSA) (1977)	time			4.38			7.41		9.53		11.68	11.68	3 / 5			
reaction time	interval						3.03		2.12		2.15		# of strides	4.38	3.03	
	velocity			6.85			9.90		9.43		9.30	8.56		6.85	9.90	
Neal, Tangela (USA) (1979)	time			4.27			7.32		9.45		11.70	11.70	4 / 6			
reaction time	interval						3.05		2.13		2.25		# of strides	4.27	3.05	
	velocity			7.03			9.84		9.39		8.89	8.55		7.03	9.84	
Skugge, Julia (SWE) (1988)	time			4.42			7.57		9.70		11.90	11.90	7 / 7			
reaction time	interval						3.15		2.13		2.20		# of strides	4.42	3.15	
	velocity			6.79			9.52		9.39		9.09	8.40		6.79	9.52	

2008 Nambu Chuhei Memorial (Hakodate, JPN)

FINAL date 06-Jul-08 wind 1.5 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.06	3.20	4.24	5.25	6.25	7.26	8.28	9.32	10.40	11.49	11.49	/ 1			
reaction time	interval		1.14	1.04	1.01	1.00	1.01	1.02	1.04	1.08	1.09		# of strides	4.24	3.02	3.14
	velocity	4.85	8.77	9.62	9.90	10.00	9.90	9.80	9.62	9.26	9.17	8.70		7.08	9.93	9.55
Takahashi, Momoko (JPN) (1988)	time	2.14	3.31	4.37	5.40	6.40	7.40	8.41	9.44	10.49	11.55	11.55	/ 2			

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

reaction time	interval		1.17	1.06	1.03	1.00	1.00	1.01	1.03	1.05	1.06		# of strides	4.37	3.03	3.09
	velocity	4.67	8.55	9.43	9.71	10.00	10.00	9.90	9.71	9.52	9.43	8.66		6.86	9.90	9.71

B FINAL

date 06-Jul-08 wind 0.5 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Setogochi, Nagisa (JPN) (1979)	time	2.09	3.26	4.34	5.40	6.44	7.50	8.57	9.66	10.78	11.93	11.93	/ 1			
reaction time	interval		1.17	1.08	1.06	1.04	1.06	1.07	1.09	1.12	1.15		# of strides	4.34	3.16	3.28
	velocity	4.78	8.55	9.26	9.43	9.62	9.43	9.35	9.17	8.93	8.70	8.38		6.91	9.49	9.15
Nagakura, Yuka (JPN) (1987)	time	2.17	3.38	4.50	5.57	6.64	7.72	8.81	9.91	11.02	12.16	12.16	???			
reaction time	interval		1.21	1.12	1.07	1.07	1.08	1.09	1.10	1.11	1.14		# of strides	4.50	3.22	3.30
	velocity	4.61	8.26	8.93	9.35	9.35	9.26	9.17	9.09	9.01	8.77	8.22		6.67	9.32	9.09

Heat 2

date 06-Jul-08 wind 1.7 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nobuoka, Sakie (JPN) (1977)	time	2.13	3.30	4.38	5.43	6.46	7.49	8.53	9.58	10.65	11.73	11.73	/ 1			
reaction time	interval		1.17	1.08	1.05	1.03	1.03	1.04	1.05	1.07	1.08		# of strides	4.38	3.11	3.16
	velocity	4.69	8.55	9.26	9.52	9.71	9.71	9.62	9.52	9.35	9.26	8.53		6.85	9.65	9.49
Ota, Tomoko (JPN) (1977)	time	2.09	3.25	4.32	5.38	6.42	7.46	8.51	9.57	10.66	11.78	11.78	/ 2			
reaction time	interval		1.16	1.07	1.06	1.04	1.04	1.05	1.06	1.09	1.12		# of strides	4.32	3.14	3.20
	velocity	4.78	8.62	9.35	9.43	9.62	9.62	9.52	9.43	9.17	8.93	8.49		6.94	9.55	9.38

Heat 1

date 06-Jul-08 wind 1.1 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.07	3.22	4.28	5.32	6.35	7.37	8.39	9.42	10.48	11.56	11.56	/ 1			
reaction time	interval		1.15	1.06	1.04	1.03	1.02	1.02	1.03	1.06	1.08		# of strides	4.28	3.09	3.11
	velocity	4.83	8.70	9.43	9.62	9.71	9.80	9.80	9.71	9.43	9.26	8.65		7.01	9.71	9.65
Takahashi, Momoko (JPN) (1988)	time	2.13	3.31	4.39	5.43	6.46	7.48	8.50	9.53	10.57	11.64	11.64	/ 2			
reaction time	interval		1.18	1.08	1.04	1.03	1.02	1.02	1.03	1.04	1.07		# of strides	4.39	3.09	3.09
	velocity	4.69	8.47	9.26	9.62	9.71	9.80	9.80	9.71	9.62	9.35	8.59		6.83	9.71	9.71

2008 German National Championships (Nurnberg, GER)

FINAL

date 05-Jul-08 wind -0.8 m/s *Seeger (2010) - DLV B-Trainer Ausbildung - sprint*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sailer, Verena (GER) (1985)	time		3.17	4.21	5.21		7.21		9.22		11.28	11.28	/ 1			
reaction time	interval			1.04	1.00		2.00		2.01		2.06		# of strides	4.21	3.00	
	velocity		6.31	9.62	10.00		10.00		9.95		9.71	8.87		7.13	10.00	

2008 Japanese National Championships (Kawasaki, JPN)

FINAL

date 29-Jun-08 wind 0.4 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.01	3.15	4.20	5.23	6.23	7.25	8.27	9.32	10.39	11.48	11.48	/ 1			
reaction time	interval		1.14	1.05	1.03	1.00	1.02	1.02	1.05	1.07	1.09		# of strides	4.20	3.05	3.14
	velocity	4.98	8.77	9.52	9.71	10.00	9.80	9.80	9.52	9.35	9.17	8.71		7.14	9.84	9.55
Ota, Tomoko (JPN) (1977)	time	2.01	3.16	4.22	5.25	6.28	7.31	8.35	9.42	10.52	11.63	11.63	/ 2			
reaction time	interval		1.15	1.06	1.03	1.03	1.03	1.04	1.07	1.10	1.11		# of strides	4.22	3.09	3.21
	velocity	4.98	8.70	9.43	9.71	9.71	9.71	9.62	9.35	9.09	9.01	8.60		7.11	9.71	9.35
Watanabe, Mayumi (JPN) (1983)	time	2.09	3.25	4.33	5.38	6.42	7.46	8.51	9.58	10.67	11.78	11.78	/ 3			
reaction time	interval		1.16	1.08	1.05	1.04	1.04	1.05	1.07	1.09	1.11		# of strides	4.33	3.13	3.21
	velocity	4.78	8.62	9.26	9.52	9.62	9.62	9.52	9.35	9.17	9.01	8.49		6.93	9.58	9.35
Kitakaze, Saori (JPN) (1985)	time	2.03	3.20	4.29	5.35	6.39	7.44	8.51	9.61	10.74	11.90	11.90	/ 6			
reaction time	interval		1.17	1.09	1.06	1.04	1.05	1.07	1.10	1.13	1.16		# of strides	4.29	3.15	3.30
	velocity	4.93	8.55	9.17	9.43	9.62	9.52	9.35	9.09	8.85	8.62	8.40		6.99	9.52	9.09

2008 USA Olympic Trials (Eugene, OR)

FINAL

date 28-Jun-08 wind 1.0 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lee, Muna (USA) (1981)	time	2.07	3.15	4.14	5.15	6.07	6.98	7.94	8.89	9.84	10.85	10.85	3 / 1			
reaction time	interval		1.08	0.99	1.01	0.92	0.91	0.96	0.95	0.95	1.01	PB	# of strides	4.14	2.84	2.86
	velocity	4.83	9.26	10.10	9.90	10.87	10.99	10.42	10.53	10.53	9.90	9.22	47.0	7.25	10.56	10.49
Edwards, Torri (USA) (1977)	time	2.03	3.12	4.08	5.09	6.04	6.97	7.91	8.88	9.86	10.90	10.90	4 / 2			
reaction time	interval		1.09	0.96	1.01	0.95	0.93	0.94	0.97	0.98	1.04		# of strides	4.08	2.89	2.89
	velocity	4.93	9.17	10.42	9.90	10.53	10.75	10.64	10.31	10.20	9.62	9.17	50.0	7.35	10.38	10.38
Williams, Lauryn (USA) (1983)	time	2.06	3.15	4.15	5.13	6.06	6.99	7.94	8.91	9.88	10.90	10.90	2 / 3			
reaction time	interval		1.09	1.00	0.98	0.93	0.93	0.95	0.97	0.97	1.02		# of strides	4.15	2.84	2.89
	velocity	4.85	9.17	10.00	10.20	10.75	10.75	10.53	10.31	10.31	9.80	9.17	52.0	7.23	10.56	10.38
Hooker, Marshevet (USA) (1980)	time	2.14	3.24	4.21	5.19	6.12	7.07	8.00	8.96	9.90	10.93	10.93	5 / 4			

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		1.10	0.97	0.98	0.93	0.95	0.93	0.96	0.94	1.03	PB	# of strides	4.21	2.86	2.83
	velocity	4.67	9.09	10.31	10.20	10.75	10.53	10.75	10.42	10.64	9.71	9.15	47.2	7.13	10.49	10.60
Felix, Allyson (USA) (1985)	time	2.12	3.20	4.20	5.18	6.12	7.09	8.04	9.01	9.94	10.96	10.96	8 / 5			
reaction time	interval		1.08	1.00	0.98	0.94	0.97	0.95	0.97	0.93	1.02		# of strides	4.20	2.89	2.85
	velocity	4.72	9.26	10.00	10.20	10.64	10.31	10.53	10.31	10.75	9.80	9.12	45.5	7.14	10.38	10.53
Williams, Angela (USA) (1980)	time	2.03	3.10	4.12	5.11	6.05	7.00	7.97	8.97	9.94	11.02	11.02	1 / 6			
reaction time	interval		1.07	1.02	0.99	0.94	0.95	0.97	1.00	0.97	1.08	PB	# of strides	4.12	2.88	2.94
	velocity	4.93	9.35	9.80	10.10	10.64	10.53	10.31	10.00	10.31	9.26	9.07	49.2	7.28	10.42	10.20
Lewis, Mechelle (USA) (1980)	time	2.04	3.13	4.15	5.15	6.08	7.05	8.03	9.01	10.03	11.08	11.08	6 / 7			
reaction time	interval		1.09	1.02	1.00	0.93	0.97	0.98	0.98	1.02	1.05		# of strides	4.15	2.90	2.98
	velocity	4.90	9.17	9.80	10.00	10.75	10.31	10.20	10.20	9.80	9.52	9.03	50.2	7.23	10.34	10.07
Moore, LaShaunte'a (USA) (1983	time	2.16	3.27	4.32	5.30	6.28	7.22	8.21	9.19	10.14	11.22	11.22	7 / 8			
reaction time	interval		1.11	1.05	0.98	0.98	0.94	0.99	0.98	0.95	1.08		# of strides	4.32	2.90	2.92
	velocity	4.63	9.01	9.52	10.20	10.20	10.64	10.10	10.20	10.53	9.26	8.91	48.0	6.94	10.34	10.27

Semi-Final 2

date 28-Jun-08 wind 1.8 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edwards, Torri (USA) (1977)	time	2.03	3.10	4.07	5.04	5.97	6.89	7.84	8.78	9.73	10.78	10.78	4 / 1			
reaction time	interval		1.07	0.97	0.97	0.93	0.92	0.95	0.94	0.95	1.05	PB	# of strides	4.07	2.82	2.84
	velocity	4.93	9.35	10.31	10.31	10.75	10.87	10.53	10.64	10.53	9.52	9.28	47.5	7.37	10.64	10.56
Lewis, Mechelle (USA) (1980)	time	2.01	3.12	4.09	5.07	6.02	6.99	7.98	8.93	9.96	10.97	10.97	6 / 2			
reaction time	interval		1.11	0.97	0.98	0.95	0.97	0.99	0.95	1.03	1.01	PB	# of strides	4.09	2.90	2.97
	velocity	4.98	9.01	10.31	10.20	10.53	10.31	10.10	10.53	9.71	9.90	9.12	49.2	7.33	10.34	10.10
Felix, Allyson (USA) (1985)	time	2.15	3.22	4.22	5.24	6.20	7.14	8.05	9.04	10.01	11.00	11.00	3 / 3			
reaction time	interval		1.07	1.00	1.02	0.96	0.94	0.91	0.99	0.97	0.99		# of strides	4.22	2.92	2.87
	velocity	4.65	9.35	10.00	9.80	10.42	10.64	10.99	10.10	10.31	10.10	9.09	45.0	7.11	10.27	10.45
Moore, LaShaunte'a (USA) (1983	time	2.16	3.28	4.29	5.29	6.24	7.17	8.16	9.10	10.06	11.03	11.03	7 / 4			
reaction time	interval		1.12	1.01	1.00	0.95	0.93	0.99	0.94	0.96	0.97	PB	# of strides	4.29	2.88	2.89
	velocity	4.63	8.93	9.90	10.00	10.53	10.75	10.10	10.64	10.42	10.31	9.07	48.0	6.99	10.42	10.38
Jeter, Carmelita (USA) (1977)	time	2.19	3.28	4.27	5.24	6.19	7.15	8.07	9.09	10.06	11.05	11.05	5 / 5			
reaction time	interval		1.09	0.99	0.97	0.95	0.96	0.92	1.02	0.97	0.99		# of strides	4.27	2.88	2.91
	velocity	4.57	9.17	10.10	10.31	10.53	10.42	10.87	9.80	10.31	10.10	9.05	49.2	7.03	10.42	10.31
Barber, Me'Lisa (USA) (1980)	time	2.05	3.17	4.19	5.17	6.16	7.09	8.05	9.05	10.06	11.07	11.07	1 / 6			
reaction time	interval		1.12	1.02	0.98	0.99	0.93	0.96	1.00	1.01	1.01		# of strides	4.19	2.90	2.97
	velocity	4.88	8.93	9.80	10.20	10.10	10.75	10.42	10.00	9.90	9.90	9.03	51.7	7.16	10.34	10.10
Anderson, Alexandria (USA) (198	time	2.14	3.24	4.22	5.24	6.20	7.16	8.07	9.08	10.07	11.07	11.07	2 / 7			
reaction time	interval		1.10	0.98	1.02	0.96	0.96	0.91	1.01	0.99	1.00	PB	# of strides	4.22	2.94	2.91
	velocity	4.67	9.09	10.20	9.80	10.42	10.42	10.99	9.90	10.10	10.00	9.03	46.5	7.11	10.20	10.31
Solomon, Shalonda (USA) (1985)	time	2.09	3.19	4.24	5.24	6.21	7.16	8.18	9.13	10.16	11.18	11.18	8 / 8			
reaction time	interval		1.10	1.05	1.00	0.97	0.95	1.02	0.95	1.03	1.02		# of strides	4.24	2.92	3.00
	velocity	4.78	9.09	9.52	10.00	10.31	10.53	9.80	10.53	9.71	9.80	8.94	49.2	7.08	10.27	10.00

Semi-Final 1

date 28-Jun-08 wind 3.2 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hooker, Marshevet (USA) (1980)	time	2.12	3.22	4.27	5.26	6.16	7.07	7.98	8.96	9.93	10.89	10.89	4 / 1			
reaction time	interval		1.10	1.05	0.99	0.90	0.91	0.91	0.98	0.97	0.96		# of strides	4.27	2.80	2.86
	velocity	4.72	9.09	9.52	10.10	11.11	10.99	10.99	10.20	10.31	10.42	9.18	47.2	7.03	10.71	10.49
Lee, Muna (USA) (1981)	time	2.09	3.17	4.15	5.18	6.10	7.04	7.94	8.93	9.88	10.91	10.91	3 / 2			
reaction time	interval		1.08	0.98	1.03	0.92	0.94	0.90	0.99	0.95	1.03		# of strides	4.15	2.89	2.84
	velocity	4.78	9.26	10.20	9.71	10.87	10.64	11.11	10.10	10.53	9.71	9.17	45.2	7.23	10.38	10.56
Williams, Lauryn (USA) (1983)	time	2.09	3.19	4.20	5.16	6.09	7.05	7.96	8.94	9.95	10.92	10.92	5 / 3			
reaction time	interval		1.10	1.01	0.96	0.93	0.96	0.91	0.98	1.01	0.97		# of strides	4.20	2.85	2.90
	velocity	4.78	9.09	9.90	10.42	10.75	10.42	10.99	10.20	9.90	10.31	9.16	51.0	7.14	10.53	10.34
Williams, Angela (USA) (1980)	time	2.00	3.10	4.11	5.11	6.02	6.99	7.91	8.89	9.89	10.92	10.92	2 / 4			
reaction time	interval		1.10	1.01	1.00	0.91	0.97	0.92	0.98	1.00	1.03		# of strides	4.11	2.88	2.90
	velocity	5.00	9.09	9.90	10.00	10.99	10.31	10.87	10.20	10.00	9.71	9.16	49.0	7.30	10.42	10.34
Knight, Bianca (USA) (1989)	time	2.14	3.22	4.24	5.24	6.16	7.14	8.08	9.06	10.11	11.09	11.09	7 / 5			
reaction time	interval		1.08	1.02	1.00	0.92	0.98	0.94	0.98	1.05	0.98		# of strides	4.24	2.90	2.97
	velocity	4.67	9.26	9.80	10.00	10.87	10.20	10.64	10.20	9.52	10.20	9.02	50.2	7.08	10.34	10.10
Asumnu, Gloria (USA) (1985)	time	2.04	3.17	4.18	5.17	6.12	7.11	8.10	9.09	10.09	11.13	11.13	6 / 6			

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		1.13	1.01	0.99	0.95	0.99	0.99	0.99	1.00	1.04		# of strides	4.18	2.93	2.98
	velocity	4.90	8.85	9.90	10.10	10.53	10.10	10.10	10.10	10.00	9.62	8.98	49.0	7.18	10.24	10.07
Weatherspoon, Alexis (USA) (198	time	2.04	3.15	4.17	5.18	6.14	7.13	8.11	9.10	10.18	11.24	11.24	1 / 7			
reaction time	interval		1.11	1.02	1.01	0.96	0.99	0.98	0.99	1.08	1.06		# of strides	4.17	2.96	3.05
	velocity	4.90	9.01	9.80	9.90	10.42	10.10	10.20	10.10	9.26	9.43	8.90	47.2	7.19	10.14	9.84
Joyce, Alexis (USA) (1983)	time	2.09	3.19	4.22	5.23	6.20	7.19	8.19	9.21	10.26	11.31	11.31	8 / 8			
reaction time	interval		1.10	1.03	1.01	0.97	0.99	1.00	1.02	1.05	1.05		# of strides	4.22	2.97	3.07
	velocity	4.78	9.09	9.71	9.90	10.31	10.10	10.00	9.80	9.52	9.52	8.84	53.7	7.11	10.10	9.77

Quarter-Final 3

date 27-Jun-08 wind 2.3 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edwards, Torri (USA) (1977)	time	2.05	3.10	4.12	5.11	5.99	6.95	7.91	8.86	9.82	10.85	10.85	3 / 1			
reaction time	interval		1.05	1.02	0.99	0.88	0.96	0.96	0.95	0.96	1.03		# of strides	4.12	2.83	2.87
	velocity	4.88	9.52	9.80	10.10	11.36	10.42	10.42	10.53	10.42	9.71	9.22		7.28	10.60	10.45
Lee, Muna (USA) (1981)	time	2.09	3.18	4.17	5.14	6.05	7.04	7.99	8.94	9.97	10.89	10.89	5 / 2			
reaction time	interval		1.09	0.99	0.97	0.91	0.99	0.95	0.95	1.03	0.92		# of strides	4.17	2.87	2.93
	velocity	4.78	9.17	10.10	10.31	10.99	10.10	10.53	10.53	9.71	10.87	9.18		7.19	10.45	10.24
Asumnu, Gloria (USA) (1985)	time	2.02	3.12	4.14	5.13	6.04	7.04	8.01	9.03	10.01	11.02	11.02	4 / 3			
reaction time	interval		1.10	1.02	0.99	0.91	1.00	0.97	1.02	0.98	1.01		# of strides	4.14	2.90	2.97
	velocity	4.95	9.09	9.80	10.10	10.99	10.00	10.31	9.80	10.20	9.90	9.07		7.25	10.34	10.10
Moore, LaShaunte'a (USA) (1983	time	2.15	3.25	4.27	5.27	6.21	7.17	8.14	9.08	10.03	11.04	11.04	6 / 4			
reaction time	interval		1.10	1.02	1.00	0.94	0.96	0.97	0.94	0.95	1.01		# of strides	4.27	2.90	2.86
	velocity	4.65	9.09	9.80	10.00	10.64	10.42	10.31	10.64	10.53	9.90	9.06		7.03	10.34	10.49
Barber, Me'Lisa (USA) (1980)	time	2.07	3.19	4.19	5.17	6.15	7.14	8.13	9.09	10.11	11.10	11.10	7 / 5			
reaction time	interval		1.12	1.00	0.98	0.98	0.99	0.99	0.96	1.02	0.99		# of strides	4.19	2.95	2.97
	velocity	4.83	8.93	10.00	10.20	10.20	10.10	10.10	10.42	9.80	10.10	9.01		7.16	10.17	10.10
Guy, LaDedra (USA) (1984)	time	2.08	3.18	4.22	5.22	6.19	7.16	8.13	9.14	10.13	11.17	11.17	1 / 6			
reaction time	interval		1.10	1.04	1.00	0.97	0.97	0.97	1.01	0.99	1.04		# of strides	4.22	2.94	2.97
	velocity	4.81	9.09	9.62	10.00	10.31	10.31	10.31	9.90	10.10	9.62	8.95		7.11	10.20	10.10
Myrick, Wyllesheia (USA) (1979)	time	2.10	3.24	4.26	5.24	6.20	7.16	8.13	9.13	10.17	11.19	11.19	2 / 7			
reaction time	interval		1.14	1.02	0.98	0.96	0.96	0.97	1.00	1.04	1.02		# of strides	4.26	2.90	3.01
	velocity	4.76	8.77	9.80	10.20	10.42	10.42	10.31	10.00	9.62	9.80	8.94		7.04	10.34	9.97
Durst, Stephanie (USA) (1982)	time	2.09	3.19	4.26	5.26	6.26	7.22	8.24	9.26	10.23	11.26	11.26	8 / 8			
reaction time	interval		1.10	1.07	1.00	1.00	0.96	1.02	1.02	0.97	1.03		# of strides	4.26	2.96	3.01
	velocity	4.78	9.09	9.35	10.00	10.00	10.42	9.80	9.80	10.31	9.71	8.88		7.04	10.14	9.97

Quarter-Final 2

date 27-Jun-08 wind 0.7 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)	time	2.12	3.22	4.20	5.18	6.14	7.11	8.08	9.03	9.98	10.97	10.97	3 / 1			
reaction time	interval		1.10	0.98	0.98	0.96	0.97	0.97	0.95	0.95	0.99	PB	# of strides	4.20	2.91	2.87
	velocity	4.72	9.09	10.20	10.20	10.42	10.31	10.31	10.53	10.53	10.10	9.12		7.14	10.31	10.45
Felix, Allyson (USA) (1985)	time	2.10	3.22	4.22	5.20	6.14	7.11	8.06	9.01	9.94	10.98	10.98	4 / 2			
reaction time	interval		1.12	1.00	0.98	0.94	0.97	0.95	0.95	0.93	1.04		# of strides	4.22	2.89	2.83
	velocity	4.76	8.93	10.00	10.20	10.64	10.31	10.53	10.53	10.75	9.62	9.11		7.11	10.38	10.60
Williams, Angela (USA) (1980)	time	2.07	3.18	4.18	5.14	6.14	7.06	8.04	9.08	10.02	11.06	11.06	6 / 3			
reaction time	interval		1.11	1.00	0.96	1.00	0.92	0.98	1.04	0.94	1.04		# of strides	4.18	2.88	2.96
	velocity	4.83	9.01	10.00	10.42	10.00	10.87	10.20	9.62	10.64	9.62	9.04		7.18	10.42	10.14
Knight, Bianca (USA) (1989)	time	2.14	3.24	4.23	5.22	6.16	7.12	8.13	9.07	10.07	11.07	11.07	5 / 4			
reaction time	interval		1.10	0.99	0.99	0.94	0.96	1.01	0.94	1.00	1.00	PB	# of strides	4.23	2.89	2.95
	velocity	4.67	9.09	10.10	10.10	10.64	10.42	9.90	10.64	10.00	10.00	9.03		7.09	10.38	10.17
Weatherspoon, Alexis (USA) (198	time	2.06	3.17	4.16	5.15	6.12	7.12	8.08	9.04	10.07	11.08	11.08	2 / 5			
reaction time	interval		1.11	0.99	0.99	0.97	1.00	0.96	0.96	1.03	1.01	PB	# of strides	4.16	2.96	2.95
	velocity	4.85	9.01	10.10	10.10	10.31	10.00	10.42	10.42	9.71	9.90	9.03		7.21	10.14	10.17
Solomon, Shalonda (USA) (1985)	time	2.09	3.24	4.25	5.22	6.11	7.17	8.16	9.14	10.12	11.16	11.16	7 / 6			
reaction time	interval		1.15	1.01	0.97	0.89	1.06	0.99	0.98	0.98	1.04		# of strides	4.25	2.92	2.95
	velocity	4.78	8.70	9.90	10.31	11.24	9.43	10.10	10.20	10.20	9.62	8.96		7.06	10.27	10.17
Gaines, Chryste (USA) (1970)	time	2.09	3.25	4.26	5.26	6.23	7.20	8.20	9.22	10.22	11.24	11.24	8 / 7			
reaction time	interval		1.16	1.01	1.00	0.97	0.97	1.00	1.02	1.00	1.02		# of strides	4.26	2.94	3.02
	velocity	4.78	8.62	9.90	10.00	10.31	10.31	10.00	9.80	10.00	9.80	8.90		7.04	10.20	9.93
Barber, Mikele (USA) (1980)	time	2.12	3.22	4.28	5.28	6.25	7.21	8.18	9.18	10.16	11.29	11.29	1 / 8			

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		1.10	1.06	1.00	0.97	0.96	0.97	1.00	0.98	1.13		# of strides	4.28	2.93	2.95
	velocity	4.72	9.09	9.43	10.00	10.31	10.42	10.31	10.00	10.20	8.85	8.86		7.01	10.24	10.17

Quarter-Final 1

date 27-Jun-08 wind 3.4 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hooker, Marshevet (USA) (1980)	time	2.10	3.20	4.20	5.14	6.06	6.99	7.92	8.84	9.75	10.76	10.76	4 / 1			
reaction time	interval		1.10	1.00	0.94	0.92	0.93	0.93	0.92	0.91	1.01		# of strides	4.20	2.79	2.76
	velocity	4.76	9.09	10.00	10.64	10.87	10.75	10.75	10.87	10.99	9.90	9.29		7.14	10.75	10.87
Williams, Lauryn (USA) (1983)	time	2.11	3.16	4.16	5.13	6.04	6.97	7.94	8.87	9.84	10.86	10.86	5 / 2			
reaction time	interval		1.05	1.00	0.97	0.91	0.93	0.97	0.93	0.97	1.02		# of strides	4.16	2.81	2.87
	velocity	4.74	9.52	10.00	10.31	10.99	10.75	10.31	10.75	10.31	9.80	9.21		7.21	10.68	10.45
Lewis, Mechelle (USA) (1980)	time	2.20	3.12	4.14	5.11	6.04	6.99	7.94	8.94	9.89	10.95	10.95	3 / 3			
reaction time	interval		0.92	1.02	0.97	0.93	0.95	0.95	1.00	0.95	1.06		# of strides	4.14	2.85	2.90
	velocity	4.55	10.87	9.80	10.31	10.75	10.53	10.53	10.00	10.53	9.43	9.13		7.25	10.53	10.34
Anderson, Alexandria (USA) (198	time	2.14	3.24	4.25	5.22	6.14	7.07	8.04	8.99	9.96	10.98	10.98	6 / 4			
reaction time	interval		1.10	1.01	0.97	0.92	0.93	0.97	0.95	0.97	1.02		# of strides	4.25	2.82	2.89
	velocity	4.67	9.09	9.90	10.31	10.87	10.75	10.31	10.53	10.31	9.80	9.11		7.06	10.64	10.38
Joyce, Alexis (USA) (1983)	time	2.06	3.14	4.18	5.17	6.12	7.09	8.06	9.06	10.08	11.16	11.16	7 / 5			
reaction time	interval		1.08	1.04	0.99	0.95	0.97	0.97	1.00	1.02	1.08		# of strides	4.18	2.91	2.99
	velocity	4.85	9.26	9.62	10.10	10.53	10.31	10.31	10.00	9.80	9.26	8.96		7.18	10.31	10.03
Roseby, Hasani (USA) (1982)	time	2.08	3.20	4.20	5.21	6.19	7.14	8.11	9.18	10.14	11.19	11.19	8 / 6			
reaction time	interval		1.12	1.00	1.01	0.98	0.95	0.97	1.07	0.96	1.05		# of strides	4.20	2.94	3.00
	velocity	4.81	8.93	10.00	9.90	10.20	10.53	10.31	9.35	10.42	9.52	8.94		7.14	10.20	10.00
Layne, Lynne (USA) (1988)	time	2.07	3.20	4.23	5.21	6.19	7.19	8.16	9.21	10.19	11.27	11.27	1 / 7			
reaction time	interval		1.13	1.03	0.98	0.98	1.00	0.97	1.05	0.98	1.08		# of strides	4.23	2.96	3.00
	velocity	4.83	8.85	9.71	10.20	10.20	10.00	10.31	9.52	10.20	9.26	8.87		7.09	10.14	10.00
Jordan, Victoria (USA) (1990)	time	2.11	3.22	4.27	5.23	6.21	7.21	8.21	9.18	10.17	11.29	11.29	2 / 8			
reaction time	interval		1.11	1.05	0.96	0.98	1.00	1.00	0.97	0.99	1.12		# of strides	4.27	2.94	2.96
	velocity	4.74	9.01	9.52	10.42	10.20	10.00	10.00	10.31	10.10	8.93	8.86		7.03	10.20	10.14

Heat 5

date 27-Jun-08 wind 2.2 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hooker, Marshevet (USA) (1980)	time	2.11	3.22	4.22	5.17	6.13	7.07	8.03	8.99	9.93	10.94	10.94	2 / 1			
reaction time	interval		1.11	1.00	0.95	0.96	0.94	0.96	0.96	0.94	1.01		# of strides	4.22	2.85	2.86
	velocity	4.74	9.01	10.00	10.53	10.42	10.64	10.42	10.42	10.64	9.90	9.14		7.11	10.53	10.49
Anderson, Alexandria (USA) (198	time	2.10	3.22	4.25	5.23	6.19	7.14	8.09	9.07	10.06	11.08	11.08	5 / 2			
reaction time	interval		1.12	1.03	0.98	0.96	0.95	0.95	0.98	0.99	1.02		# of strides	4.25	2.89	2.92
	velocity	4.76	8.93	9.71	10.20	10.42	10.53	10.53	10.20	10.10	9.80	9.03		7.06	10.38	10.27
Guy, LaDedra (USA) (1984)	time	2.10	3.24	4.27	5.28	6.24	7.25	8.29	9.26	10.24	11.25	11.25	8 / 3			
reaction time	interval		1.14	1.03	1.01	0.96	1.01	1.04	0.97	0.98	1.01		# of strides	4.27	2.98	2.99
	velocity	4.76	8.77	9.71	9.90	10.42	9.90	9.62	10.31	10.20	9.90	8.89		7.03	10.07	10.03
Roseby, Hasani (USA) (1982)	time	2.05	3.18	4.25	5.22	6.20	7.19	8.17	9.20	10.22	11.29	11.29	3 / 4			
reaction time	interval		1.13	1.07	0.97	0.98	0.99	0.98	1.03	1.02	1.07		# of strides	4.25	2.94	3.03
	velocity	4.88	8.85	9.35	10.31	10.20	10.10	10.20	9.71	9.80	9.35	8.86		7.06	10.20	9.90
Barber, Mikele (USA) (1980)	time	2.13	3.27	4.32	5.30	6.28	7.25	8.26	9.25	10.27	11.29	11.29	6 / 5			
reaction time	interval		1.14	1.05	0.98	0.98	0.97	1.01	0.99	1.02	1.02		# of strides	4.32	2.93	3.02
	velocity	4.69	8.77	9.52	10.20	10.20	10.31	9.90	10.10	9.80	9.80	8.86		6.94	10.24	9.93
Daigle-Bowen, Angela (USA) (19	time	2.08	3.20	4.26	5.24	6.24	7.26	8.25	9.30	10.34	11.39	11.39	4 / 6			
reaction time	interval		1.12	1.06	0.98	1.00	1.02	0.99	1.05	1.04	1.05		# of strides	4.26	3.00	3.08
	velocity	4.81	8.93	9.43	10.20	10.00	9.80	10.10	9.52	9.62	9.52	8.78		7.04	10.00	9.74
Neal, Tangela (USA) (1979)	time	2.08	3.24	4.27	5.28	6.26	7.30	8.37	9.44	10.54	11.64	11.64	7 / 7			
reaction time	interval		1.16	1.03	1.01	0.98	1.04	1.07	1.07	1.10	1.10		# of strides	4.27	3.03	3.24
	velocity	4.81	8.62	9.71	9.90	10.20	9.62	9.35	9.35	9.09	9.09	8.59		7.03	9.90	9.26

Heat 4

date 27-Jun-08 wind 1.4 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)	time	2.09	3.22	4.23	5.24	6.21	7.15	8.13	9.09	10.09	11.10	11.10	5 / 1			
reaction time	interval		1.13	1.01	1.01	0.97	0.94	0.98	0.96	1.00	1.01		# of strides	4.23	2.92	2.94
	velocity	4.78	8.85	9.90	9.90	10.31	10.64	10.20	10.42	10.00	9.90	9.01		7.09	10.27	10.20
Knight, Bianca (USA) (1989)	time	2.10	3.21	4.22	5.22	6.18	7.15	8.13	9.09	10.08	11.11	11.11	6 / 2			
reaction time	interval		1.11	1.01	1.00	0.96	0.97	0.98	0.96	0.99	1.03	=PB	# of strides	4.22	2.93	2.93
	velocity	4.76	9.01	9.90	10.00	10.42	10.31	10.20	10.42	10.10	9.71	9.00		7.11	10.24	10.24

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

Moore, LaShaunte'a (USA) (1983)	time	2.11	3.25	4.28	5.29	6.24	7.20	8.15	9.11	10.11	11.12	11.12	4 / 3			
reaction time	interval		1.14	1.03	1.01	0.95	0.96	0.95	0.96	1.00	1.01		# of strides	4.28	2.92	2.91
	velocity	4.74	8.77	9.71	9.90	10.53	10.42	10.53	10.42	10.00	9.90	8.99		7.01	10.27	10.31
Barber, Me'Lisa (USA) (1980)	time	2.06	3.18	4.20	5.21	6.19	7.19	8.17	9.15	10.17	11.19	11.19	7 / 4			
reaction time	interval		1.12	1.02	1.01	0.98	1.00	0.98	0.98	1.02	1.02		# of strides	4.20	2.99	2.98
	velocity	4.85	8.93	9.80	9.90	10.20	10.00	10.20	10.20	9.80	9.80	8.94		7.14	10.03	10.07
Jordan, Victoria (USA) (1990)	time	2.06	3.19	4.20	5.22	6.21	7.20	8.20	9.23	10.29	11.36	11.36	2 / 5			
reaction time	interval		1.13	1.01	1.02	0.99	0.99	1.00	1.03	1.06	1.07		# of strides	4.20	3.00	3.09
	velocity	4.85	8.85	9.90	9.80	10.10	10.10	10.00	9.71	9.43	9.35	8.80		7.14	10.00	9.71
Lowery, Santana (USA) (1987)	time	2.10	3.22	4.26	5.27	6.27	7.27	8.27	9.27	10.30	11.38	11.38	3 / 6			
reaction time	interval		1.12	1.04	1.01	1.00	1.00	1.00	1.00	1.03	1.08		# of strides	4.26	3.01	3.03
	velocity	4.76	8.93	9.62	9.90	10.00	10.00	10.00	10.00	9.71	9.26	8.79		7.04	9.97	9.90

Heat 3

date 27-Jun-08 wind 1.1 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edwards, Torri (USA) (1977)	time	2.01	3.12	4.10	5.09	6.04	7.01	7.96	8.97	9.99	11.16	11.16	6 / 1			
reaction time	interval		1.11	0.98	0.99	0.95	0.97	0.95	1.01	1.02	1.17		# of strides	4.10	2.91	2.98
	velocity	4.98	9.01	10.20	10.10	10.53	10.31	10.53	9.90	9.80	8.55	8.96		7.32	10.31	10.07
Williams, Angela (USA) (1980)	time	2.02	3.17	4.19	5.14	6.14	7.13	8.12	9.14	10.19	11.26	11.26	8 / 2			
reaction time	interval		1.15	1.02	0.95	1.00	0.99	0.99	1.02	1.05	1.07		# of strides	4.19	2.94	3.06
	velocity	4.95	8.70	9.80	10.53	10.00	10.10	10.10	9.80	9.52	9.35	8.88		7.16	10.20	9.80
Weatherspoon, Alexis (USA) (198	time	2.07	3.20	4.24	5.26	6.22	7.22	8.19	9.24	10.24	11.30	11.30	7 / 3			
reaction time	interval		1.13	1.04	1.02	0.96	1.00	0.97	1.05	1.00	1.06		# of strides	4.24	2.98	3.02
	velocity	4.83	8.85	9.62	9.80	10.42	10.00	10.31	9.52	10.00	9.43	8.85		7.08	10.07	9.93
Myrick, Wyllesheia (USA) (1979)	time	2.08	3.24	4.27	5.27	6.27	7.25	8.24	9.24	10.29	11.33	11.33	4 / 4			
reaction time	interval		1.16	1.03	1.00	1.00	0.98	0.99	1.00	1.05	1.04		# of strides	4.27	2.98	3.04
	velocity	4.81	8.62	9.71	10.00	10.00	10.20	10.10	10.00	9.52	9.62	8.83		7.03	10.07	9.87
Durst, Stephanie (USA) (1982)	time	2.11	3.19	4.26	5.29	6.29	7.29	8.28	9.29	10.34	11.34	11.34	5 / 5			
reaction time	interval		1.08	1.07	1.03	1.00	1.00	0.99	1.01	1.05	1.00		# of strides	4.26	3.03	3.05
	velocity	4.74	9.26	9.35	9.71	10.00	10.00	10.10	9.90	9.52	10.00	8.82		7.04	9.90	9.84
Onyepunuka, Jessica (USA) (198	time	2.11	3.27	4.34	5.34	6.31	7.34	8.34	9.36	10.44	11.48	11.48	3 / 6			
reaction time	interval		1.16	1.07	1.00	0.97	1.03	1.00	1.02	1.08	1.04		# of strides	4.34	3.00	3.10
	velocity	4.74	8.62	9.35	10.00	10.31	9.71	10.00	9.80	9.26	9.62	8.71		6.91	10.00	9.68
Miller, Scottesha (USA) (1988)	time	2.08	3.29	4.35	5.38	6.39	7.39	8.44	9.43	10.52	11.62	11.62	2 / 7			
reaction time	interval		1.21	1.06	1.03	1.01	1.00	1.05	0.99	1.09	1.10		# of strides	4.35	3.04	3.13
	velocity	4.81	8.26	9.43	9.71	9.90	10.00	9.52	10.10	9.17	9.09	8.61		6.90	9.87	9.58

Heat 2

date 27-Jun-08 wind 3.5 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Felix, Allyson (USA) (1985)	time	2.14	3.25	4.24	5.21	6.17	7.11	8.06	9.04	9.99	11.01	11.01	8 / 1			
reaction time	interval		1.11	0.99	0.97	0.96	0.94	0.95	0.98	0.95	1.02		# of strides	4.24	2.87	2.88
	velocity	4.67	9.01	10.10	10.31	10.42	10.64	10.53	10.20	10.53	9.80	9.08		7.08	10.45	10.42
Asumnu, Gloria (USA) (1985)	time	2.15	3.14	4.17	5.17	6.11	7.11	8.07	9.07	10.09	11.10	11.10	7 / 2			
reaction time	interval		0.99	1.03	1.00	0.94	1.00	0.96	1.00	1.02	1.01		# of strides	4.17	2.94	2.98
	velocity	4.65	10.10	9.71	10.00	10.64	10.00	10.42	10.00	9.80	9.90	9.01		7.19	10.20	10.07
Layne, Lynne (USA) (1988)	time	2.08	3.21	4.19	5.18	6.16	7.16	8.11	9.14	10.21	11.18	11.18	2 / 3			
reaction time	interval		1.13	0.98	0.99	0.98	1.00	0.95	1.03	1.07	0.97		# of strides	4.19	2.97	3.05
	velocity	4.81	8.85	10.20	10.10	10.20	10.00	10.53	9.71	9.35	10.31	8.94		7.16	10.10	9.84
Joyce, Alexis (USA) (1983)	time	2.04	3.12	4.16	5.14	6.11	7.12	8.11	9.12	10.19	11.21	11.21	3 / 4			
reaction time	interval		1.08	1.04	0.98	0.97	1.01	0.99	1.01	1.07	1.02		# of strides	4.16	2.96	3.07
	velocity	4.90	9.26	9.62	10.20	10.31	9.90	10.10	9.90	9.35	9.80	8.92		7.21	10.14	9.77
Robinson, Amber (USA) (1980)	time	2.15	3.27	4.30	5.32	6.29	7.26	8.26	9.30	10.31	11.38	11.38	5 / 5			
reaction time	interval		1.12	1.03	1.02	0.97	0.97	1.00	1.04	1.01	1.07		# of strides	4.30	2.96	3.05
	velocity	4.65	8.93	9.71	9.80	10.31	10.31	10.00	9.62	9.90	9.35	8.79		6.98	10.14	9.84
Smedley, Melinda (USA) (1981)	time	2.07	3.19	4.24	5.26	6.24	7.26	8.26	9.29	10.28	11.42	11.42	6 / 6			
reaction time	interval		1.12	1.05	1.02	0.98	1.02	1.00	1.03	0.99	1.14		# of strides	4.24	3.02	3.02
	velocity	4.83	8.93	9.52	9.80	10.20	9.80	10.00	9.71	10.10	8.77	8.76		7.08	9.93	9.93
Broaddus, Juanita (USA) (1985)	time	2.07	3.17	4.22	5.31	6.35	7.47	8.57	9.79	10.99	12.44	12.44	4 / 7			
reaction time	interval		1.10	1.05	1.09	1.04	1.12	1.10	1.22	1.20	1.45		# of strides	4.22	3.25	3.52
	velocity	4.83	9.09	9.52	9.17	9.62	8.93	9.09	8.20	8.33	6.90	8.04		7.11	9.23	8.52

Heat 1

date 27-Jun-08 wind 1.8 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lee, Muna (USA) (1981)	time	2.09	3.18	4.19	5.14	6.12	7.09	8.04	9.00	9.97	11.00	11.00	7 / 1			
reaction time	interval		1.09	1.01	0.95	0.98	0.97	0.95	0.96	0.97	1.03		# of strides	4.19	2.90	2.88
	velocity	4.78	9.17	9.90	10.53	10.20	10.31	10.53	10.42	10.31	9.71	9.09		7.16	10.34	10.42
Williams, Lauryn (USA) (1983)	time	2.07	3.16	4.17	5.16	6.12	7.08	8.03	9.03	10.02	11.03	11.03	4 / 2			
reaction time	interval		1.09	1.01	0.99	0.96	0.96	0.95	1.00	0.99	1.01		# of strides	4.17	2.91	2.94
	velocity	4.83	9.17	9.90	10.10	10.42	10.42	10.53	10.00	10.10	9.90	9.07		7.19	10.31	10.20
Lewis, Mechelle (USA) (1980)	time	2.05	3.15	4.17	5.15	6.12	7.10	8.10	9.08	10.12	11.13	11.13	2 / 3			
reaction time	interval		1.10	1.02	0.98	0.97	0.98	1.00	0.98	1.04	1.01	=PB	# of strides	4.17	2.93	3.02
	velocity	4.88	9.09	9.80	10.20	10.31	10.20	10.00	10.20	9.62	9.90	8.98		7.19	10.24	9.93
Gaines, Chryste (USA) (1970)	time	2.07	3.20	4.22	5.22	6.19	7.15	8.16	9.13	10.14	11.15	11.15	3 / 4			
reaction time	interval		1.13	1.02	1.00	0.97	0.96	1.01	0.97	1.01	1.01		# of strides	4.22	2.93	2.99
	velocity	4.83	8.85	9.80	10.00	10.31	10.42	9.90	10.31	9.90	9.90	8.97		7.11	10.24	10.03
Solomon, Shalonda (USA) (1985)	time	2.07	3.20	4.20	5.21	6.19	7.16	8.14	9.13	10.16	11.16	11.16	6 / 5			
reaction time	interval		1.13	1.00	1.01	0.98	0.97	0.98	0.99	1.03	1.00		# of strides	4.20	2.96	3.00
	velocity	4.83	8.85	10.00	9.90	10.20	10.31	10.20	10.10	9.71	10.00	8.96		7.14	10.14	10.00
Meadows, Tawanna (USA) (1986)	time	2.15	3.30	4.35	5.42	6.41	7.40	8.42	9.42	10.48	11.48	11.48	8 / 6			
reaction time	interval		1.15	1.05	1.07	0.99	0.99	1.02	1.00	1.06	1.00		# of strides	4.35	3.05	3.08
	velocity	4.65	8.70	9.52	9.35	10.10	10.10	9.80	10.00	9.43	10.00	8.71		6.90	9.84	9.74

2008 USATF National Junior Championships (Columbus, OH)

FINAL

date 20-Jun-08 wind 1.3 m/s *USATF Women's Sprint Development with HPC (2008)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tarmoh, Jeneba (USA) (1989)	time	2.08	3.20	4.22	5.21	6.17	7.16	8.14	9.16	10.19	11.21	11.21	6 / 1			
reaction time	interval		1.12	1.02	0.99	0.96	0.99	0.98	1.02	1.03	1.02	PB	# of strides	4.22	2.94	3.03
	velocity	4.81	8.93	9.80	10.10	10.42	10.10	10.20	9.80	9.71	9.80	8.92		7.11	10.20	9.90
Jordan, Victoria (USA) (1990)	time	2.10	3.20	4.23	5.23	6.22	7.21	8.23	9.29	10.31	11.38	11.38	5 / 2			
reaction time	interval		1.10	1.03	1.00	0.99	0.99	1.02	1.06	1.02	1.07		# of strides	4.23	2.98	3.10
	velocity	4.76	9.09	9.71	10.00	10.10	10.10	9.80	9.43	9.80	9.35	8.79		7.09	10.07	9.68
Mahan, Shayla (USA) (1989)	time	2.08	3.23	4.23	5.26	6.27	7.26	8.28	9.31	10.34	11.39	11.39	7 / 3			
reaction time	interval		1.15	1.00	1.03	1.01	0.99	1.02	1.03	1.03	1.05		# of strides	4.23	3.03	3.08
	velocity	4.81	8.70	10.00	9.71	9.90	10.10	9.80	9.71	9.71	9.52	8.78		7.09	9.90	9.74
McGrone, Candyce (USA) (1989)	time	2.15	3.28	4.32	5.37	6.35	7.35	8.36	9.39	10.44	11.50	11.50	4 / 4			
reaction time	interval		1.13	1.04	1.05	0.98	1.00	1.01	1.03	1.05	1.06	PB	# of strides	4.32	3.03	3.09
	velocity	4.65	8.85	9.62	9.52	10.20	10.00	9.90	9.71	9.52	9.43	8.70		6.94	9.90	9.71
Glenn, Gabrielle (USA) (1989)	time	2.16	3.28	4.32	5.36	6.37	7.36	8.39	9.43	10.48	11.56	11.56	1 / 5			
reaction time	interval		1.12	1.04	1.04	1.01	0.99	1.03	1.04	1.05	1.08		# of strides	4.32	3.04	3.12
	velocity	4.63	8.93	9.62	9.62	9.90	10.10	9.71	9.62	9.52	9.26	8.65		6.94	9.87	9.62
Alexander, Erica (USA) (1990)	time	2.13	3.21	4.30	5.32	6.34	7.36	8.38	9.45	10.52	11.59	11.59	3 / 6			
reaction time	interval		1.08	1.09	1.02	1.02	1.02	1.02	1.07	1.07	1.07		# of strides	4.30	3.06	3.16
	velocity	4.69	9.26	9.17	9.80	9.80	9.80	9.80	9.35	9.35	9.35	8.63		6.98	9.80	9.49
Purvis, Ashton (USA) (1992)	time	2.16	3.30	4.41	5.47	6.48	7.49	8.50	9.57	10.62	11.66	11.66	2 / 7			
reaction time	interval		1.14	1.11	1.06	1.01	1.01	1.01	1.07	1.05	1.04		# of strides	4.41	3.08	3.13
	velocity	4.63	8.77	9.01	9.43	9.90	9.90	9.90	9.35	9.52	9.62	8.58		6.80	9.74	9.58
Collier, Ashley (USA) (1992)	time	2.18	3.35	4.43	5.45	6.51	7.56	8.58	9.69	10.74	11.86	11.86	8 / 8			
reaction time	interval		1.17	1.08	1.02	1.06	1.05	1.02	1.11	1.05	1.12		# of strides	4.43	3.13	3.18
	velocity	4.59	8.55	9.26	9.80	9.43	9.52	9.80	9.01	9.52	8.93	8.43		6.77	9.58	9.43
Stewart, LeKeidra (USA) (1989)	time	2.15	3.31	4.38	5.44	6.49	7.54	8.57	9.67	10.77	11.88	11.88	9 / 9			
reaction time	interval		1.16	1.07	1.06	1.05	1.05	1.03	1.10	1.10	1.11		# of strides	4.38	3.16	3.23
	velocity	4.65	8.62	9.35	9.43	9.52	9.52	9.71	9.09	9.09	9.01	8.42		6.85	9.49	9.29

2008 Osaka Grand Prix (Osaka, JPN)

FINAL

date 10-May-08 wind 1.2 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988_	time	2.06	3.21	4.28	5.33	6.35	7.37	8.39	9.43	10.48	11.56	11.56	1 / 3			
reaction time	interval		1.15	1.07	1.05	1.02	1.02	1.02	1.04	1.05	1.08		# of strides	4.28	3.09	3.11
	velocity	4.85	8.70	9.35	9.52	9.80	9.80	9.80	9.62	9.52	9.26	8.65		7.01	9.71	9.65
Watanabe, Mayuni (JPN) (1983)	time	2.08	3.26	4.36	5.40	6.43	7.46	8.50	9.57	10.65	11.75	11.75	5 / 4			
reaction time	interval		1.18	1.10	1.04	1.03	1.03	1.04	1.07	1.08	1.10		# of strides	4.36	3.10	3.19

	velocity	4.81	8.47	9.09	9.62	9.71	9.71	9.62	9.35	9.26	9.09	8.51		6.88	9.68	9.40
Nobuoka, Sakie (JPN) (1977)	time	2.10	3.28	4.36	5.41	6.44	7.48	8.52	9.58	10.66	11.76	11.76	7 / 5			
reaction time	interval		1.18	1.08	1.05	1.03	1.04	1.04	1.06	1.08	1.10		# of strides	4.36	3.12	3.18
	velocity	4.76	8.47	9.26	9.52	9.71	9.62	9.62	9.43	9.26	9.09	8.50		6.88	9.62	9.43
Takahashi, Momoko (JPN) (1988)	time	2.19	3.38	4.48	5.53	6.57	7.60	8.62	9.66	10.72	11.82	11.82	2 / 6			
reaction time	interval		1.19	1.10	1.05	1.04	1.03	1.02	1.04	1.06	1.10		# of strides	4.48	3.12	3.12
	velocity	4.57	8.40	9.09	9.52	9.62	9.71	9.80	9.62	9.43	9.09	8.46		6.70	9.62	9.62
Ota, Tomoko (JPN) (1977)	time	2.02	3.19	4.28	5.34	6.39	7.45	8.52	9.61	10.72	11.85	11.85	3 / 7			
reaction time	interval		1.17	1.09	1.06	1.05	1.06	1.07	1.09	1.11	1.13		# of strides	4.28	3.17	3.27
	velocity	4.95	8.55	9.17	9.43	9.52	9.43	9.35	9.17	9.01	8.85	8.44		7.01	9.46	9.17

2008 Mikio Oda Memorial (Hiroshima, JPN)

FINAL

date 29-Apr-08 wind 1.7 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.04	3.16	4.21	5.22	6.22	7.22	8.23	9.24	10.28	11.36	11.36	/ 1			
reaction time	interval		1.12	1.05	1.01	1.00	1.00	1.01	1.01	1.04	1.08	NR / PB	# of strides	4.21	3.01	3.06
	velocity	4.90	8.93	9.52	9.90	10.00	10.00	9.90	9.90	9.62	9.26	8.80		7.13	9.97	9.80
Takahashi, Momoko (JPN) (1988)	time	2.10	3.17	4.34	5.37	6.39	7.40	8.41	9.43	10.47	11.53	11.53	/ 4			
reaction time	interval		1.07	1.17	1.03	1.02	1.01	1.01	1.02	1.04	1.06		# of strides	4.34	3.06	3.07
	velocity	4.76	9.35	8.55	9.71	9.80	9.90	9.90	9.80	9.62	9.43	8.67		6.91	9.80	9.77

B FINAL

date 29-Apr-08 wind 1.5 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wandick, Brushay (USA)	time	2.12	3.30	4.38	5.43	6.47	7.50	8.54	9.60	10.68	11.78	11.78	/ 2			
reaction time	interval		1.18	1.08	1.05	1.04	1.03	1.04	1.06	1.08	1.10	PB	# of strides	4.38	3.12	3.18
	velocity	4.72	8.47	9.26	9.52	9.62	9.71	9.62	9.43	9.26	9.09	8.49		6.85	9.62	9.43
Kurimoto, Kayoko (JPN) (1984)	time	2.10	3.30	4.39	5.44	6.49	7.54	8.61	9.70	10.81	11.94	11.94	/ 3			
reaction time	interval		1.20	1.09	1.05	1.05	1.05	1.07	1.09	1.11	1.13		# of strides	4.39	3.15	3.27
	velocity	4.76	8.33	9.17	9.52	9.52	9.52	9.35	9.17	9.01	8.85	8.38		6.83	9.52	9.17

Heat 3

date 29-Apr-08 wind 0.7 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukushima, Chisato (JPN) (1988)	time	2.01	3.17	4.24	5.29	6.32	7.34	8.37	9.40	10.45	11.53	11.53	/ 1			
reaction time	interval		1.16	1.07	1.05	1.03	1.02	1.03	1.03	1.05	1.08		# of strides	4.24	3.10	3.11
	velocity	4.98	8.62	9.35	9.52	9.71	9.80	9.71	9.71	9.52	9.26	8.67		7.08	9.68	9.65
Ota, Tomoko (JPN) (1977)	time	2.02	3.18	4.26	5.31	6.36	7.40	8.45	9.52	10.61	11.73	11.73	/ 2			
reaction time	interval		1.16	1.08	1.05	1.05	1.04	1.05	1.07	1.09	1.12		# of strides	4.26	3.14	3.21
	velocity	4.95	8.62	9.26	9.52	9.52	9.62	9.52	9.35	9.17	8.93	8.53		7.04	9.55	9.35

Heat 2

date 29-Apr-08 wind 0.2 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takahashi, Momoko (JPN) (1988)	time	2.16	3.36	4.45	5.50	6.55	7.59	8.63	9.68	10.75	11.84	11.84	/ 1			
reaction time	interval		1.20	1.09	1.05	1.05	1.04	1.04	1.05	1.07	1.09		# of strides	4.45	3.14	3.16
	velocity	4.63	8.33	9.17	9.52	9.52	9.62	9.62	9.52	9.35	9.17	8.45		6.74	9.55	9.49

Heat 1

date 29-Apr-08 wind 1.3 m/s *Akirabun (2009) - race analysis of 2008 men's and women's 100m and 110m & 100m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kitakaze, Saori (JPN) (1985)	time	2.01	3.15	4.20	5.21	6.22	7.23	8.26	9.32	10.39	11.51	11.51	/ 1			
reaction time	interval		1.14	1.05	1.01	1.01	1.01	1.03	1.06	1.07	1.12		# of strides	4.20	3.03	3.16
	velocity	4.98	8.77	9.52	9.90	9.90	9.90	9.71	9.43	9.35	8.93	8.69		7.14	9.90	9.49
Suda, Saori (JPN) (1986)	time	2.10	3.27	4.35	5.39	6.42	7.46	8.51	9.58	10.67	11.78	11.78	/ 3			
reaction time	interval		1.17	1.08	1.04	1.03	1.04	1.05	1.07	1.09	1.11		# of strides	4.35	3.11	3.21
	velocity	4.76	8.55	9.26	9.62	9.71	9.62	9.52	9.35	9.17	9.01	8.49		6.90	9.65	9.35
Watanabe, Azusa (JPN) (1986)	time	2.00	3.18	4.27	5.33	6.38	7.43	8.50	9.58	10.68	11.79	11.79	/ 4			
reaction time	interval		1.18	1.09	1.06	1.05	1.05	1.07	1.08	1.10	1.11	PB	# of strides	4.27	3.16	3.25
	velocity	5.00	8.47	9.17	9.43	9.52	9.52	9.35	9.26	9.09	9.01	8.48		7.03	9.49	9.23

2007 IAAF World Athletic Final (Stuttgart, GER)

FINAL

date 23-Sep-07 wind -0.6 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jeter, Carmelita (USA) (1979)	time		3.19	4.20	5.18		7.12		9.09		11.10	11.10	4 / 1			
reaction time 0.158	interval			1.01	0.98		1.94		1.97		2.01		# of strides	4.20	2.92	
	velocity		6.27	9.90	10.20		10.31		10.15		9.95	9.01	50.1	7.14	10.27	
Felix, Allyson (USA) (1985)	time		3.22	4.24	5.23		7.18		9.15		11.15	11.15	6 / 2			
reaction time 0.167	interval			1.02	0.99		1.95		1.97		2.00		# of strides	4.24	2.94	
	velocity		6.21	9.80	10.10		10.26		10.15		10.00	8.97	46.1	7.08	10.20	

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

Arron, Christine (FRA) (1973)	time	3.22	4.24	5.23	7.19	9.16	11.20	11.20	3 / 3				
reaction time 0.158	interval		1.02	0.99	1.96	1.97	2.04		# of strides	4.24	2.95		
	velocity	6.21	9.80	10.10	10.20	10.15	9.80	8.93	46.4	7.08	10.17		
Gevaert, Kim (BEL) (1978)	time	3.16	4.19	5.19	7.18	9.21	11.29	11.29	7 / 4				
reaction time 0.143	interval		1.03	1.00	1.99	2.03	2.08		# of strides	4.19	2.99		
	velocity	6.33	9.71	10.00	10.05	9.85	9.62	8.86		7.16	10.03		
Williams, Lauryn (USA) (1983)	time	3.21	4.24	5.24	7.22	9.23	11.31	11.31	5 / 5				
reaction time 0.136	interval		1.03	1.00	1.98	2.01	2.08		# of strides	4.24	2.98		
	velocity	6.23	9.71	10.00	10.10	9.95	9.62	8.84		7.08	10.07		
Brooks, Sheri-Ann (JAM) (1983)	time	3.21	4.23	5.22	7.21	9.23	11.33	11.33	8 / 6				
reaction time 0.153	interval		1.02	0.99	1.99	2.02	2.10		# of strides	4.23	2.98		
	velocity	6.23	9.80	10.10	10.05	9.90	9.52	8.83		7.09	10.07		
Lalova, Ivet (BUL) (1984)	time	3.24	4.30	5.33	7.38	9.45	11.59	11.59	2 / 7				
reaction time 0.130	interval		1.06	1.03	2.05	2.07	2.14		# of strides	4.30	3.08		
	velocity	6.17	9.43	9.71	9.76	9.66	9.35	8.63		6.98	9.74		
Maduaka, Joice (GBR) (1973)	time	3.29	4.35	5.37	7.42	9.43	11.61	11.61	1 / 8				
reaction time 0.155	interval		1.06	1.02	2.05	2.01	2.18		# of strides	4.35	3.07		
	velocity	6.08	9.43	9.80	9.76	9.95	9.17	8.61		6.90	9.77		

2007 IAAF World Championships (Osaka, JPN)

FINAL

date 27-Aug-07 wind -0.2 m/s *Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Campbell, Veronica (JAM) (1982)	time	2.01	3.14	4.15	5.11	6.07	7.02	7.97	8.96	9.97	11.01	11.01	7 / 1			
reaction time 0.167	interval		1.13	1.01	0.96	0.96	0.95	0.95	0.99	1.01	1.04		# of strides	4.15	2.87	2.95
	velocity	4.98	8.85	9.90	10.42	10.42	10.53	10.53	10.10	9.90	9.62	9.08	49.2	7.23	10.45	10.17
Williams, Lauryn (USA) (1983)	time	2.01	3.13	4.13	5.10	6.06	7.03	8.00	8.98	9.99	11.01	11.01	4 / 2			
reaction time 0.145	interval		1.12	1.00	0.97	0.96	0.97	0.97	0.98	1.01	1.02		# of strides	4.13	2.90	2.96
	velocity	4.98	8.93	10.00	10.31	10.42	10.31	10.31	10.20	9.90	9.80	9.08	52.5	7.26	10.34	10.14
Jeter, Carmelita (USA) (1979)	0.189	no information available									PB	11.02	8 / 3	# of strides		49.7
Edwards, Torri (USA) (1977)	time	2.00	3.12	4.15	5.12	6.08	7.04	8.01	9.00	10.02	11.05	11.05	6 / 4			
reaction time 0.141	interval		1.12	1.03	0.97	0.96	0.96	0.97	0.99	1.02	1.03		# of strides	4.15	2.89	2.98
	velocity	5.00	8.93	9.71	10.31	10.42	10.42	10.31	10.10	9.80	9.71	9.05	50.5	7.23	10.38	10.07
Gevaert, Kim (BEL) (1978)	time	1.98	3.10	4.11	5.10	6.08	7.04	8.02	9.01	10.01	11.05	11.05	3 / 5			
reaction time 0.143	interval		1.12	1.01	0.99	0.98	0.96	0.98	0.99	1.00	1.04		# of strides	4.11	2.93	2.97
	velocity	5.05	8.93	9.90	10.10	10.20	10.42	10.20	10.10	10.00	9.62	9.05	46.0	7.30	10.24	10.10
Arron, Christine (FRA) (1973)	time	2.03	3.15	4.16	5.13	6.09	7.06	8.03	9.02	10.04	11.08	11.08	5 / 6			
reaction time 0.164	interval		1.12	1.01	0.97	0.96	0.97	0.97	0.99	1.02	1.04		# of strides	4.16	2.90	2.98
	velocity	4.93	8.93	9.90	10.31	10.42	10.31	10.31	10.10	9.80	9.62	9.03	46.0	7.21	10.34	10.07
Stewart, Kerron (JAM) (1984)	0.177	no information available										11.12	9 / 7	# of strides		47.7
Osayomi, Oludamola (NGR) (198	0.175	no information available										11.26	2 / 8	# of strides		50.2

Semi-Final 2

date 27-Aug-07 wind -0.1 m/s *Matsuo (2009) - analysis of speed patterns in 100m sprints*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Campbell, Veronica (JAM) (1982)	time	2.00	3.12	4.12	5.10	6.07	7.02	7.98	8.96	9.93	10.99	10.99	7 / 1			
reaction time 0.144	interval		1.12	1.00	0.98	0.97	0.95	0.96	0.98	0.97	1.06		# of strides	4.12	2.90	2.91
	velocity	5.00	8.93	10.00	10.20	10.31	10.53	10.42	10.20	10.31	9.43	9.10	48.2	7.28	10.34	10.31

Heat 4

date 26-Aug-07 wind -0.7 m/s *Matsuo (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takahashi, Momoku (JPN) (1988)	time	2.11	3.34	4.45	5.53	6.58	7.64	8.70	9.76	10.85	11.98	11.98	2 / 6			
reaction time 0.152	interval		1.23	1.11	1.08	1.05	1.06	1.06	1.06	1.09	1.13		# of strides	4.45	3.19	3.21
	velocity	4.74	8.13	9.01	9.26	9.52	9.43	9.43	9.43	9.17	8.85	8.35		6.74	9.40	9.35

2007 Japanese National High School Championships (Saga, JPN)

FINAL

date 03-Aug-07 wind 1.3 m/s *Hitorara (2007) - 60st high school championships: JAF scientific committee - biomechanics data collection*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Terada, Asuka (JPN) (1990)	time		3.23	4.31	5.33	6.36	7.39	8.44	9.50	10.58	11.71	11.71	6 / 1			
reaction time	interval			1.08	1.02	1.03	1.03	1.05	1.06	1.08	1.13	PB	# of strides	4.31	3.08	3.19
	velocity		6.19	9.26	9.80	9.71	9.71	9.52	9.43	9.26	8.85	8.54		6.96	9.74	9.40
Nakano, Hitomi (JPN) (1990)	time		3.23	4.31	5.34	6.39	7.44	8.51	9.59	10.68	11.83	11.83	5 / 2			
reaction time	interval			1.08	1.03	1.05	1.05	1.07	1.08	1.09	1.15		# of strides	4.31	3.13	3.24
	velocity		6.19	9.26	9.71	9.52	9.52	9.35	9.26	9.17	8.70	8.45		6.96	9.58	9.26

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

Watanabe, Tae (JPN) (1991)	time	3.28	4.38	5.44	6.50	7.56	8.63	9.70	10.78	11.91	11.91	2 / 3			
reaction time	interval		1.10	1.06	1.06	1.06	1.07	1.07	1.08	1.13		# of strides	4.38	3.18	3.22
	velocity	6.10	9.09	9.43	9.43	9.43	9.35	9.35	9.26	8.85	8.40		6.85	9.43	9.32
Sano, Fuyumi (JPN) (1989)	time	3.32	4.45	5.51	6.57	7.63	8.70	9.77	10.85	11.99	11.99	3 / 4			
reaction time	interval		1.13	1.06	1.06	1.06	1.07	1.07	1.08	1.14		# of strides	4.45	3.18	3.22
	velocity	6.02	8.85	9.43	9.43	9.43	9.35	9.35	9.26	8.77	8.34		6.74	9.43	9.32
Abe, Hidemi (JPN) (1990)	time	3.28	4.38	5.45	6.52	7.59	8.67	9.76	10.85	12.01	12.01	4 / 5			
reaction time	interval		1.10	1.07	1.07	1.07	1.08	1.09	1.09	1.16		# of strides	4.38	3.21	3.26
	velocity	6.10	9.09	9.35	9.35	9.35	9.26	9.17	9.17	8.62	8.33		6.85	9.35	9.20
Takahashi, Yuka (JPN) (1991)	time	3.32	4.43	5.49	6.55	7.62	8.71	9.81	10.91	12.06	12.06	8 / 6			
reaction time	interval		1.11	1.06	1.06	1.07	1.09	1.10	1.10	1.15		# of strides	4.43	3.19	3.29
	velocity	6.02	9.01	9.43	9.43	9.35	9.17	9.09	9.09	8.70	8.29		6.77	9.40	9.12
Obi, Mana (JPN)	time	3.31	4.43	5.49	6.56	7.63	8.72	9.82	10.93	12.10	12.10	1 / 7			
reaction time	interval		1.12	1.06	1.07	1.07	1.09	1.10	1.11	1.17		# of strides	4.43	3.20	3.30
	velocity	6.04	8.93	9.43	9.35	9.35	9.17	9.09	9.01	8.55	8.26		6.77	9.38	9.09
Ito, Yuri (JPN) (1989)	time	3.34	4.45	5.55	6.64	7.74	8.86	9.98	11.12	12.32	12.32	7 / 8			
reaction time	interval		1.11	1.10	1.09	1.10	1.12	1.12	1.14	1.20		# of strides	4.45	3.29	3.38
	velocity	5.99	9.01	9.09	9.17	9.09	8.93	8.93	8.77	8.33	8.12		6.74	9.12	8.88

2007 Windsprint (Sundsvall, SWE)

FINAL

date 24-Jul-07 wind 1.0 m/s *(2007) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Dorobisz, Iwona (POL) (1980)	time			4.34			7.44		9.55		11.80	11.80	/ 1			
reaction time	interval						3.10		2.11		2.25		# of strides	4.34	3.10	
	velocity			6.91			9.68		9.48		8.89	8.47		6.91	9.68	
Cunningham, Nadia (JAM) (1978	time			4.43			7.58		9.71		11.92	11.92	/ 2			
reaction time	interval						3.15		2.13		2.21		# of strides	4.43	3.15	
	velocity			6.77			9.52		9.39		9.05	8.39		6.77	9.52	
Aruhn, Lena (SWE) (1970)	time			4.45			7.68		9.80		11.96	11.96	/ 3			
reaction time	interval						3.23		2.12		2.16		# of strides	4.45	3.23	
	velocity			6.74			9.29		9.43		9.26	8.36		6.74	9.29	
Ström, Malin (SWE) (1986)	time			4.44			7.67		9.78		12.03	12.03	/ 4			
reaction time	interval						3.23		2.11		2.25		# of strides	4.44	3.23	
	velocity			6.76			9.29		9.48		8.89	8.31		6.76	9.29	
Smibacker, Stina (SWE) (1983)	time			4.46			7.69		9.83		12.10	12.10	/ 5			
reaction time	interval						3.23		2.14		2.27		# of strides	4.46	3.23	
	velocity			6.73			9.29		9.35		8.81	8.26		6.73	9.29	
Henriksson, Malin (SWE) (1978)	time			4.51			7.77		9.95		12.20	12.20	/ 6			
reaction time	interval						3.26		2.18		2.25		# of strides	4.51	3.26	
	velocity			6.65			9.20		9.17		8.89	8.20		6.65	9.20	
Eurenius, Isabelle (SWE) (1989)	time			4.47			7.80		9.96		12.30	12.30	/ 7			
reaction time	interval						3.33		2.16		2.34		# of strides	4.47	3.33	
	velocity			6.71			9.01		9.26		8.55	8.13		6.71	9.01	
Tollin, Julia (SWE) (1989)	time			4.47			7.82		10.04		12.35	12.35	/ 8			
reaction time	interval						3.35		2.22		2.31		# of strides	4.47	3.35	
	velocity			6.71			8.96		9.01		8.66	8.10		6.71	8.96	

B FINAL

date 24-Jul-07 wind 0.9 m/s *(2007) - www.ssg.se/en/Windsprint/Split-times/*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bohlén-Kinn, Therése (SWE) (19	time			4.50			7.77		9.96		12.22	12.22	/ 1			
reaction time	interval						3.27		2.19		2.26		# of strides	4.50	3.27	
	velocity			6.67			9.17		9.13		8.85	8.18		6.67	9.17	
Edfors, Cecilia (SWE) (1987)	time			4.69			8.06		10.33		12.69	12.69	/ 2			
reaction time	interval						3.37		2.27		2.36		# of strides	4.69	3.37	
	velocity			6.40			8.90		8.81		8.47	7.88		6.40	8.90	
Rundquist, Emilia (SWE) (1988)	time			4.65			8.06		10.41		12.87	12.87	/ 3			
reaction time	interval						3.41		2.35		2.46		# of strides	4.65	3.41	
	velocity			6.45			8.80		8.51		8.13	7.77		6.45	8.80	
Hamrén, Malin (SWE) (1986)	time			4.64			8.08		10.45		12.89	12.89	/ 4			
reaction time	interval						3.44		2.37		2.44		# of strides	4.64	3.44	

	velocity		6.47		8.72		8.44		8.20	7.76		6.47	8.72		
Sunneborn, Anna (SWE) (1970)	time		4.67		8.20		10.52		12.90	12.90	/ 5				
reaction time	interval				3.53		2.32		2.38		# of strides	4.67	3.53		
	velocity		6.42		8.50		8.62		8.40	7.75		6.42	8.50		
Eliasson, Emilia (SWE) (1989)	time		4.75		8.30		10.70		13.20	13.20	/ 6				
reaction time	interval				3.55		2.40		2.50	PB	# of strides	4.75	3.55		
	velocity		6.32		8.45		8.33		8.00	7.58		6.32	8.45		

2007 Japanese National Championships (Osaka, JPN)

FINAL date 30-Jun-07 wind 0.0 m/s *Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takahashi, Momoko (JPN) (1988)	time	2.07	3.25	4.33	5.37	6.40	7.42	8.45	9.48	10.53	11.61	11.61	/ 1			
reaction time	interval		1.18	1.08	1.04	1.03	1.02	1.03	1.03	1.05	1.08		# of strides	4.33	3.09	3.11
	velocity	4.83	8.47	9.26	9.62	9.71	9.80	9.71	9.71	9.52	9.26	8.61		6.93	9.71	9.65
Kitakaze, Saori (JPN) (1985)	time	1.99	3.14	4.20	5.24	6.26	7.30	8.35	9.42	10.53	11.66	11.66	/ 2			
reaction time	interval		1.15	1.06	1.04	1.02	1.04	1.05	1.07	1.11	1.13		# of strides	4.20	3.10	3.23
	velocity	5.03	8.70	9.43	9.62	9.80	9.62	9.52	9.35	9.01	8.85	8.58		7.14	9.68	9.29
Nobuoka, Sakie (JPN) (1977)	time	2.08	3.28	4.35	5.40	6.44	7.49	8.54	9.62	10.71	11.82	11.82	/ 3			
reaction time	interval		1.20	1.07	1.05	1.04	1.05	1.05	1.08	1.09	1.11		# of strides	4.35	3.14	3.22
	velocity	4.81	8.33	9.35	9.52	9.62	9.52	9.52	9.26	9.17	9.01	8.46		6.90	9.55	9.32
Ota, Tomoko (JPN) (1977)	time	2.00	3.15	4.24	5.30	6.35	7.41	8.49	9.58	10.70	11.83	11.83	/ 4			
reaction time	interval		1.15	1.09	1.06	1.05	1.06	1.08	1.09	1.12	1.13		# of strides	4.24	3.17	3.29
	velocity	5.00	8.70	9.17	9.43	9.52	9.43	9.26	9.17	8.93	8.85	8.45		7.08	9.46	9.12
Watanabe, Mayumi (JPN) (1983)	time	2.03	3.20	4.26	5.31	6.35	7.40	8.47	9.57	10.69	11.86	11.86	/ 5			
reaction time	interval		1.17	1.06	1.05	1.04	1.05	1.07	1.10	1.12	1.17		# of strides	4.26	3.14	3.29
	velocity	4.93	8.55	9.43	9.52	9.62	9.52	9.35	9.09	8.93	8.55	8.43		7.04	9.55	9.12

2007 Osaka Grand Prix (Osaka, JPN)

FINAL date 05-May-07 wind 0.7 m/s *Akirabun (2008) - 2007 speed analysis of the men's & women's 100m, 100m hurdles, & 110m hurdles*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Lauryn (USA) (1983)	time	2.04	3.19	4.23	5.24	6.23	7.23	8.24	9.28	10.34	11.44	11.44	/ 2			
reaction time	interval		1.15	1.04	1.01	0.99	1.00	1.01	1.04	1.06	1.10		# of strides	4.23	3.00	3.11
	velocity	4.90	8.70	9.62	9.90	10.10	10.00	9.90	9.62	9.43	9.09	8.74		7.09	10.00	9.65
Takahashi, Momoko (JPN) (1988)	time	2.14	3.32	4.39	5.42	6.44	7.45	8.47	9.51	10.57	11.65	11.65	/ 5			
reaction time	interval		1.18	1.07	1.03	1.02	1.01	1.02	1.04	1.06	1.08		# of strides	4.39	3.06	3.12
	velocity	4.67	8.47	9.35	9.71	9.80	9.90	9.80	9.62	9.43	9.26	8.58		6.83	9.80	9.62
Nobuoka, Sakie (JPN) (1977)	time	2.08	3.24	4.30	5.33	6.35	7.38	8.42	9.48	10.56	11.66	11.66	/ 6			
reaction time	interval		1.16	1.06	1.03	1.02	1.03	1.04	1.06	1.08	1.10		# of strides	4.30	3.08	3.18
	velocity	4.81	8.62	9.43	9.71	9.80	9.71	9.62	9.43	9.26	9.09	8.58		6.98	9.74	9.43

2006 Seiko Super Grand Prix (Yokohama, JPN)

FINAL date 24-Sep-06 wind -0.8 m/s *Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Simpson, Sherone (JAM) (1984)	time	2.07	3.19	4.23	5.22	6.20	7.17	8.14	9.13	10.13	11.15	11.15	/ 1			
reaction time	interval		1.12	1.04	0.99	0.98	0.97	0.97	0.99	1.00	1.02		# of strides	4.23	2.94	2.96
	velocity	4.83	8.93	9.62	10.10	10.20	10.31	10.31	10.10	10.00	9.80	8.97		7.09	10.20	10.14

2006 USATF National Championship (Indianapolis, IN)

FINAL date 23-Jun-06 wind -0.9 m/s *USATF Women's Sprint Development (2006)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)	time	2.07	3.17	4.19	5.17	6.14	7.11	8.09	9.06	10.09	11.10	11.10	4 / ~~1~~			
reaction time	interval		1.10	1.02	0.98	0.97	0.97	0.98	0.97	1.03	1.01	DV	# of strides	4.19	2.92	2.98
	velocity	4.83	9.09	9.80	10.20	10.31	10.31	10.20	10.31	9.71	9.90	9.01	48.5	7.16	10.27	10.07
Williams, Lauryn (USA) (1983)	time	2.09	3.20	4.20	5.19	6.16	7.14	8.11	9.11	10.14	11.17	11.17	8 / ~~2~~ 1			
reaction time	interval		1.11	1.00	0.99	0.97	0.98	0.97	1.00	1.03	1.03		# of strides	4.20	2.94	3.00
	velocity	4.78	9.01	10.00	10.10	10.31	10.20	10.31	10.00	9.71	9.71	8.95	53.0	7.14	10.20	10.00
Edwards, Torri (USA) (1977)	time	2.08	3.19	4.20	5.19	6.17	7.16	8.11	9.13	10.14	11.17	11.17	3 / ~~3~~ 2			
reaction time	interval		1.11	1.01	0.99	0.98	0.99	0.95	1.02	1.01	1.03		# of strides	4.20	2.96	2.98
	velocity	4.81	9.01	9.90	10.10	10.20	10.10	10.53	9.80	9.90	9.71	8.95	50.7	7.14	10.14	10.07
Smith, Rachelle (USA) (1981)	time	2.09	3.20	4.25	5.27	6.22	7.22	8.18	9.18	10.19	11.21	11.21	5 / ~~4~~ 3			
reaction time	interval		1.11	1.05	1.02	0.95	1.00	0.96	1.00	1.01	1.02		# of strides	4.25	2.97	2.97
	velocity	4.78	9.01	9.52	9.80	10.53	10.00	10.42	10.00	9.90	9.80	8.92	49.0	7.06	10.10	10.10
Lee, Muna (USA) (1981)	time	2.10	3.22	4.25	5.26	6.22	7.21	8.23	9.22	10.23	11.24	11.24	1 / ~~5~~ 4			

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		1.12	1.03	1.01	0.96	0.99	1.02	0.99	1.01	1.01		# of strides	4.25	2.96	3.02
	velocity	4.76	8.93	9.71	9.90	10.42	10.10	9.80	10.10	9.90	9.90	8.90	48.2	7.06	10.14	9.93
Barber, Mikele (USA) (1980)	time	2.10	3.26	4.29	5.29	6.25	7.24	8.20	9.21	10.24	11.27	11.27	6 / ~~6~~ 5			
reaction time	interval		1.16	1.03	1.00	0.96	0.99	0.96	1.01	1.03	1.03	PB	# of strides	4.29	2.95	3.00
	velocity	4.76	8.62	9.71	10.00	10.42	10.10	10.42	9.90	9.71	9.71	8.87	51.7	6.99	10.17	10.00
Durst, Stephanie (USA) (1982)	time	2.09	3.21	4.26	5.27	6.26	7.24	8.24	9.26	10.28	11.29	11.29	2 / ~~7~~ 6			
reaction time	interval		1.12	1.05	1.01	0.99	0.98	1.00	1.02	1.02	1.01		# of strides	4.26	2.98	3.04
	velocity	4.78	8.93	9.52	9.90	10.10	10.20	10.00	9.80	9.80	9.90	8.86	51.5	7.04	10.07	9.87
Solomon, Shalonda (USA) (1985)	time	2.12	3.27	4.30	5.34	6.32	7.34	8.32	9.33	10.38	11.41	11.41	7 / ~~8~~ 7			
reaction time	interval		1.15	1.03	1.04	0.98	1.02	0.98	1.01	1.05	1.03		# of strides	4.30	3.04	3.04
	velocity	4.72	8.70	9.71	9.62	10.20	9.80	10.20	9.90	9.52	9.71	8.76	49.7	6.98	9.87	9.87

2006 USATF National Junior Championship (Indianapolis, IN)

FINAL date 22-Jun-06 wind 1.2 m/s *USATF Women's Sprint Development (2006)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Anderson, Alexandria (USA) (198	time	2.12	3.25	4.26	5.25	6.19	7.18	8.14	9.13	10.11	11.12	11.12	3 / 1			
reaction time	interval		1.13	1.01	0.99	0.94	0.99	0.96	0.99	0.98	1.01		# of strides	4.26	2.92	2.93
	velocity	4.72	8.85	9.90	10.10	10.64	10.10	10.42	10.10	10.20	9.90	8.99		7.04	10.27	10.24
Mayo, Gabrielle (USA) (1989)	time	2.10	3.20	4.24	5.22	6.21	7.19	8.14	9.13	10.13	11.16	11.16	4 / 2			
reaction time	interval		1.10	1.04	0.98	0.99	0.98	0.95	0.99	1.00	1.03	PB	# of strides	4.24	2.95	2.94
	velocity	4.76	9.09	9.62	10.20	10.10	10.20	10.53	10.10	10.00	9.71	8.96		7.08	10.17	10.20
Tarmoh, Jeneba (USA) (1989)	time	2.10	3.27	4.27	5.29	6.22	7.24	8.20	9.20	10.21	11.24	11.24	6 / 3			
reaction time	interval		1.17	1.00	1.02	0.93	1.02	0.96	1.00	1.01	1.03	PB	# of strides	4.27	2.97	2.97
	velocity	4.76	8.55	10.00	9.80	10.75	9.80	10.42	10.00	9.90	9.71	8.90		7.03	10.10	10.10
Knight, Bianca (USA) (1989)	time	2.14	3.27	4.30	5.27	6.24	7.23	8.19	9.21	10.23	11.26	11.26	2 / 4			
reaction time	interval		1.13	1.03	0.97	0.97	0.99	0.96	1.02	1.02	1.03	PB	# of strides	4.30	2.93	3.00
	velocity	4.67	8.85	9.71	10.31	10.31	10.10	10.42	9.80	9.80	9.71	8.88		6.98	10.24	10.00
Olear, Elizabeth (USA) (1988)	time	2.13	3.24	4.29	5.27	6.27	7.26	8.23	9.25	10.28	11.33	11.33	7 / 5			
reaction time	interval		1.11	1.05	0.98	1.00	0.99	0.97	1.02	1.03	1.05	PB	# of strides	4.29	2.97	3.02
	velocity	4.69	9.01	9.52	10.20	10.00	10.10	10.31	9.80	9.71	9.52	8.83		6.99	10.10	9.93
Wilson, Kenyanna (USA) (1988)	time	2.10	3.24	4.28	5.29	6.26	7.24	8.26	9.26	10.30	11.37	11.37	5 / 6			
reaction time	interval		1.14	1.04	1.01	0.97	0.98	1.02	1.00	1.04	1.07	=PB	# of strides	4.28	2.96	3.06
	velocity	4.76	8.77	9.62	9.90	10.31	10.20	9.80	10.00	9.62	9.35	8.80		7.01	10.14	9.80
Alexander, Erica (USA) (1990)	time	2.10	3.27	4.30	5.30	6.31	7.36	8.34	9.38	10.43	11.52	11.52	8 / 7			
reaction time	interval		1.17	1.03	1.00	1.01	1.05	0.98	1.04	1.05	1.09		# of strides	4.30	3.06	3.07
	velocity	4.76	8.55	9.71	10.00	9.90	9.52	10.20	9.62	9.52	9.17	8.68		6.98	9.80	9.77
Brookins, LaKya (USA) (1989)	time	2.10	3.22	4.28	5.29	6.28	7.29	8.29	9.31	10.38	11.56	11.56	1 / 8			
reaction time	interval		1.12	1.06	1.01	0.99	1.01	1.00	1.02	1.07	1.18		# of strides	4.28	3.01	3.09
	velocity	4.76	8.93	9.43	9.90	10.10	9.90	10.00	9.80	9.35	8.47	8.65		7.01	9.97	9.71

2006 Osaka Grand Prix (Osaka, JPN)

FINAL date 06-May-06 wind 2.6 m/s *Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Felix, Allyson (USA) (1985)	time	2.04	3.18	4.20	5.20	6.17	7.14	8.10	9.08	10.08	11.11	11.11	/ 1			
reaction time	interval		1.14	1.02	1.00	0.97	0.97	0.96	0.98	1.00	1.03		# of strides	4.20	2.94	2.94
	velocity	4.90	8.77	9.80	10.00	10.31	10.31	10.42	10.20	10.00	9.71	9.00		7.14	10.20	10.20
Durst, Stephanie (USA) (1982)	time	2.05	3.18	4.22	5.22	6.19	7.16	8.13	9.12	10.12	11.16	11.16	/ 2			
reaction time	interval		1.13	1.04	1.00	0.97	0.97	0.97	0.99	1.00	1.04		# of strides	4.22	2.94	2.96
	velocity	4.88	8.85	9.62	10.00	10.31	10.31	10.31	10.10	10.00	9.62	8.96		7.11	10.20	10.14
Nobuoka, Sakie (JPN) (1977)	time	2.09	3.24	4.30	5.33	6.34	7.36	8.37	9.41	10.46	11.53	11.53	/ 5			
reaction time	interval		1.15	1.06	1.03	1.01	1.02	1.01	1.04	1.05	1.07		# of strides	4.30	3.06	3.10
	velocity	4.78	8.70	9.43	9.71	9.90	9.80	9.90	9.62	9.52	9.35	8.67		6.98	9.80	9.68

2006 Mikio Oda Memorial (Hiroshima, JPN)

Heat 1 date 29-Apr-06 wind 2.5 m/s *Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kitakaze, Saori (JPN) (1985)	time	1.99	3.15	4.21	5.25	6.27	7.29	8.33	9.38	10.47	11.59	11.59	/ 1			
reaction time	interval		1.16	1.06	1.04	1.02	1.02	1.04	1.05	1.09	1.12		# of strides	4.21	3.08	3.18
	velocity	5.03	8.62	9.43	9.62	9.80	9.80	9.62	9.52	9.17	8.93	8.63		7.13	9.74	9.43

2005 European U23 Championships (Erfurt, GER)

FINAL date 16-Aug-05 wind 1.5 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Karastamáti, María (GRE) (1984)	time		3.17	4.19	5.17		7.08		9.02		11.03	11.03	/ 1			
reaction time 0.187	interval			1.02	0.98		1.91		1.94		2.01	CR / PB	# of strides	4.19	2.89	
	velocity		6.31	9.80	10.20		10.47		10.31		9.95	9.07		7.16	10.38	

2005 IAAF World Championships (Helsinki, FIN)

FINAL

date 08-Aug-05 wind 1.3 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Lauryn (USA) (1983)	0.146	no information available										10.93	6 / 1		# of strides	53.5
Campbell-Brown, Veronica (JAM	0.139	no information available										10.95	4 / 2		# of strides	49.2
Arron, Christine (FRA) (1973)	0.165	no information available										10.98	5 / 3		# of strides	46.0
Sturrup, Chandra (BAH) (1971)	0.113	no information available										11.09	3 / 4		# of strides	51.0
Barber, Me'Lisa (USA) (1980)	0.120	no information available										11.09	2 / 5		# of strides	51.0
Simpson, Sherone (JAM) (1984)	0.132	no information available										11.09	1 / 6		# of strides	48.0
Lee, Muna (USA) (1983)	0.153	no information available										11.09	8 / 7		# of strides	48.0
Nestsiarenka, Yulia (BLR) (1979)	0.144	no information available										11.13	7 / 8		# of strides	48.7

2005 USATF National Championship (Carson, CA)

FINAL

date 25-Jun-05 wind -1.6 m/s

USATF Women's Sprint Development (2005)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Barber, Me'Lisa (USA) (1980)	time	1.99	3.12	4.15	5.16	6.13	7.11	8.07	9.07	10.04	11.10	11.10	6 / 1			
reaction time	interval		1.13	1.03	1.01	0.97	0.98	0.96	1.00	0.97	1.06		# of strides	4.15	2.96	2.93
	velocity	5.03	8.85	9.71	9.90	10.31	10.20	10.42	10.00	10.31	9.43	9.01	51.2	7.23	10.14	10.24
Lee, Muna (USA) (1981)	time	2.05	3.21	4.25	5.27	6.26	7.26	8.21	9.23	10.26	11.28	11.28	5 / 2			
reaction time	interval		1.16	1.04	1.02	0.99	1.00	0.95	1.02	1.03	1.02		# of strides	4.25	3.01	3.00
	velocity	4.88	8.62	9.62	9.80	10.10	10.00	10.53	9.80	9.71	9.80	8.87	49.2	7.06	9.97	10.00
Williams, Lauryn (USA) (1983)	time	2.05	3.20	4.24	5.25	6.24	7.22	8.21	9.21	10.24	11.29	11.29	1 / 3			
reaction time	interval		1.15	1.04	1.01	0.99	0.98	0.99	1.00	1.03	1.05		# of strides	4.24	2.98	3.02
	velocity	4.88	8.70	9.62	9.90	10.10	10.20	10.10	10.00	9.71	9.52	8.86	54.0	7.08	10.07	9.93
Smith, Rachelle (USA) (1981)	time	2.02	3.17	4.23	5.28	6.27	7.27	8.23	9.26	10.28	11.31	11.31	4 / 4			
reaction time	interval		1.15	1.06	1.05	0.99	1.00	0.96	1.03	1.02	1.03		# of strides	4.23	3.04	3.01
	velocity	4.95	8.70	9.43	9.52	10.10	10.00	10.42	9.71	9.80	9.71	8.84	50.5	7.09	9.87	9.97
Hooker, Marshevet (USA) (1984)	time	2.03	3.25	4.29	5.31	6.29	7.31	8.26	9.28	10.29	11.33	11.33	8 / 5			
reaction time	interval		1.22	1.04	1.02	0.98	1.02	0.95	1.02	1.01	1.04		# of strides	4.29	3.02	2.98
	velocity	4.93	8.20	9.62	9.80	10.20	9.80	10.53	9.80	9.90	9.62	8.83	47.7	6.99	9.93	10.07
Daigle, Angela (USA) (1976)	time	1.99	3.14	4.18	5.19	6.21	7.23	8.21	9.24	10.31	11.41	11.41	7 / 6			
reaction time	interval		1.15	1.04	1.01	1.02	1.02	0.98	1.03	1.07	1.10		# of strides	4.18	3.05	3.08
	velocity	5.03	8.70	9.62	9.90	9.80	9.80	10.20	9.71	9.35	9.09	8.76	52.5	7.18	9.84	9.74
Powell, Virginia (Ginnie) (USA) (1	time	2.04	3.17	4.22	5.27	6.27	7.26	8.29	9.36	10.37	11.50	11.50	2 / 7			
reaction time	interval		1.13	1.05	1.05	1.00	0.99	1.03	1.07	1.01	1.13		# of strides	4.22	3.04	3.11
	velocity	4.90	8.85	9.52	9.52	10.00	10.10	9.71	9.35	9.90	8.85	8.70	50.2	7.11	9.87	9.65
Moore, LaShaunte'a (USA) (1983	time	2.05	3.27	4.35	5.44	6.45	7.47	8.47	9.53	10.58	11.64	11.64	9 / 8			
reaction time	interval		1.22	1.08	1.09	1.01	1.02	1.00	1.06	1.05	1.06		# of strides	4.35	3.12	3.11
	velocity	4.88	8.20	9.26	9.17	9.90	9.80	10.00	9.43	9.52	9.43	8.59	50.2	6.90	9.62	9.65
Williams, Angela (USA) (1980)	time	2.03	3.17	4.24	5.29	6.29	7.34	8.36	9.44	10.53	11.66	11.66	3 / 9			
reaction time	interval		1.14	1.07	1.05	1.00	1.05	1.02	1.08	1.09	1.13		# of strides	4.24	3.10	3.19
	velocity	4.93	8.77	9.35	9.52	10.00	9.52	9.80	9.26	9.17	8.85	8.58	52.0	7.08	9.68	9.40

Semi-Final 2

date 25-Jun-05 wind 2.1 m/s

USATF Women's Sprint Development (2005)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Smith, Rachelle (USA) (1981)	time	2.02	3.17	4.17	5.14	6.13	7.13	8.06	9.03	10.01	11.02	11.02	5 / 1			
reaction time	interval		1.15	1.00	0.97	0.99	1.00	0.93	0.97	0.98	1.01		# of strides	4.17	2.96	2.88
	velocity	4.95	8.70	10.00	10.31	10.10	10.00	10.75	10.31	10.20	9.90	9.07		7.19	10.14	10.42
Daigle, Angela (USA) (1976)	time	2.02	3.14	4.14	5.11	6.13	7.11	8.06	9.04	10.04	11.09	11.09	6 / 2			
reaction time	interval		1.12	1.00	0.97	1.02	0.98	0.95	0.98	1.00	1.05		# of strides	4.14	2.97	2.93
	velocity	4.95	8.93	10.00	10.31	9.80	10.20	10.53	10.20	10.00	9.52	9.02		7.25	10.10	10.24
Hooker, Marshevet (USA) (1984)	time	2.07	3.20	4.24	5.19	6.19	7.16	8.12	9.11	10.07	11.11	11.11	7 / 3			
reaction time	interval		1.13	1.04	0.95	1.00	0.97	0.96	0.99	0.96	1.04		# of strides	4.24	2.92	2.91
	velocity	4.83	8.85	9.62	10.53	10.00	10.31	10.42	10.10	10.42	9.62	9.00		7.08	10.27	10.31
Powell, Virginia (Ginnie) (USA) (1	time	2.04	3.17	4.17	5.14	6.14	7.13	8.07	9.09	10.08	11.18	11.18	4 / 4			
reaction time	interval		1.13	1.00	0.97	1.00	0.99	0.94	1.02	0.99	1.10		# of strides	4.17	2.96	2.95
	velocity	4.90	8.85	10.00	10.31	10.00	10.10	10.64	9.80	10.10	9.09	8.94		7.19	10.14	10.17
Moore, Connie (USA) (1981)	time	2.14	3.30	4.37	5.37	6.37	7.34	8.33	9.34	10.31	11.36	11.36	9 / 5			

reaction time	interval		1.16	1.07	1.00	1.00	0.97	0.99	1.01	0.97	1.05		# of strides	4.37	2.97	2.97
	velocity	4.67	8.62	9.35	10.00	10.00	10.31	10.10	9.90	10.31	9.52	8.80		6.86	10.10	10.10
Weatherspoon, Alexis (USA) (198	time	2.04	3.17	4.23	5.22	6.24	7.26	8.24	9.29	10.29	11.37	11.37	8 / 6			
reaction time	interval		1.13	1.06	0.99	1.02	1.02	0.98	1.05	1.00	1.08		# of strides	4.23	3.03	3.03
	velocity	4.90	8.85	9.43	10.10	9.80	9.80	10.20	9.52	10.00	9.26	8.80		7.09	9.90	9.90
Solomon, Shalonda (USA) (1985)	time	2.12	3.25	4.32	5.31	6.34	7.33	8.31	9.33	10.36	11.39	11.39	1 / 7			
reaction time	interval		1.13	1.07	0.99	1.03	0.99	0.98	1.02	1.03	1.03		# of strides	4.32	3.01	3.03
	velocity	4.72	8.85	9.35	10.10	9.71	10.10	10.20	9.80	9.71	9.71	8.78		6.94	9.97	9.90
Lapsley, Andriane (USA) (1983)	time	2.14	3.29	4.33	5.36	6.39	7.39	8.39	9.44	10.48	11.55	11.55	2 / 8			
reaction time	interval		1.15	1.04	1.03	1.03	1.00	1.00	1.05	1.04	1.07		# of strides	4.33	3.06	3.09
	velocity	4.67	8.70	9.62	9.71	9.71	10.00	10.00	9.52	9.62	9.35	8.66		6.93	9.80	9.71
Ivery, Lakadron (USA) (1983)	time	2.15	3.29	4.35	5.37	6.39	7.41	8.41	9.44	10.48	11.55	11.55	3 / 9			
reaction time	interval		1.14	1.06	1.02	1.02	1.02	1.00	1.03	1.04	1.07		# of strides	4.35	3.06	3.07
	velocity	4.65	8.77	9.43	9.80	9.80	9.80	10.00	9.71	9.62	9.35	8.66		6.90	9.80	9.77

Semi-Final 1

date 25-Jun-05 wind 3.0 m/s *USATF Women's Sprint Development (2005)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Barber, Me'Lisa (USA) (1980)	time	2.04	3.12	4.12	5.08	6.04	6.99	7.93	8.89	9.88	10.87	10.87	6 / 1			
reaction time	interval		1.08	1.00	0.96	0.96	0.95	0.94	0.96	0.99	0.99		# of strides	4.12	2.87	2.89
	velocity	4.90	9.26	10.00	10.42	10.42	10.53	10.64	10.42	10.10	10.10	9.20		7.28	10.45	10.38
Lee, Muna (USA) (1981)	time	2.07	3.19	4.20	5.14	6.14	7.08	8.01	8.99	9.94	10.99	10.99	4 / 2			
reaction time	interval		1.12	1.01	0.94	1.00	0.94	0.93	0.98	0.95	1.05		# of strides	4.20	2.88	2.86
	velocity	4.83	8.93	9.90	10.64	10.00	10.64	10.75	10.20	10.53	9.52	9.10		7.14	10.42	10.49
Williams, Lauryn (USA) (1983)	time	2.07	3.16	4.17	5.16	6.11	7.08	8.04	9.04	10.03	11.05	11.05	7 / 3			
reaction time	interval		1.09	1.01	0.99	0.95	0.97	0.96	1.00	0.99	1.02		# of strides	4.17	2.91	2.95
	velocity	4.83	9.17	9.90	10.10	10.53	10.31	10.42	10.00	10.10	9.80	9.05		7.19	10.31	10.17
Williams, Angela (USA) (1980)	time	2.02	3.14	4.15	5.14	6.14	7.13	8.11	9.15	10.17	11.25	11.25	3 / 4			
reaction time	interval		1.12	1.01	0.99	1.00	0.99	0.98	1.04	1.02	1.08		# of strides	4.15	2.98	3.04
	velocity	4.95	8.93	9.90	10.10	10.00	10.10	10.20	9.62	9.80	9.26	8.89		7.23	10.07	9.87
Moore, LaShaunte'a (USA) (1983)	time	2.14	3.25	4.31	5.31	6.29	7.27	8.23	9.24	10.23	11.25	11.25	5 / 5			
reaction time	interval		1.11	1.06	1.00	0.98	0.98	0.96	1.01	0.99	1.02		# of strides	4.31	2.96	2.96
	velocity	4.67	9.01	9.43	10.00	10.20	10.20	10.42	9.90	10.10	9.80	8.89		6.96	10.14	10.14
Brice, Tremedia (USA) (1981)	time	2.10	3.22	4.29	5.29	6.30	7.29	8.26	9.27	10.29	11.36	11.36	1 / 6			
reaction time	interval		1.12	1.07	1.00	1.01	0.99	0.97	1.01	1.02	1.07		# of strides	4.29	3.00	3.00
	velocity	4.76	8.93	9.35	10.00	9.90	10.10	10.31	9.90	9.80	9.35	8.80		6.99	10.00	10.00
Whipple, Erica (USA) (1982)	time	2.12	3.27	4.34	5.34	6.32	7.31	8.31	9.33	10.36	11.39	11.39	9 / 7			
reaction time	interval		1.15	1.07	1.00	0.98	0.99	1.00	1.02	1.03	1.03		# of strides	4.34	2.97	3.05
	velocity	4.72	8.70	9.35	10.00	10.20	10.10	10.00	9.80	9.71	9.71	8.78		6.91	10.10	9.84
Rhett, Amandi (USA) (1982)	time	2.08	3.25	4.32	5.32	6.34	7.32	8.31	9.34	10.38	11.45	11.45	8 / 8			
reaction time	interval		1.17	1.07	1.00	1.02	0.98	0.99	1.03	1.04	1.07		# of strides	4.32	3.00	3.06
	velocity	4.81	8.55	9.35	10.00	9.80	10.20	10.10	9.71	9.62	9.35	8.73		6.94	10.00	9.80
Myrick, Wyllesheia (USA) (1979)	time	2.06	3.22	4.27	5.28	6.31	7.36	8.48	9.84	11.60	16.44	16.44	2 / 9			
reaction time	interval		1.16	1.05	1.01	1.03	1.05	1.12	1.36	1.76	4.84		# of strides	4.27	3.09	4.24
	velocity	4.85	8.62	9.52	9.90	9.71	9.52	8.93	7.35	5.68	2.07	6.08		7.03	9.71	7.08

Heat 3

date 24-Jun-05 wind 1.4 m/s *USATF Women's Sprint Development (2005)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Barber, Me'Lisa (USA) (1980)	time	1.99	3.16	4.17	5.14	6.13	7.12	8.05	9.04	10.04	11.04	11.04	4 / 1			
reaction time	interval		1.17	1.01	0.97	0.99	0.99	0.93	0.99	1.00	1.00	PB	# of strides	4.17	2.95	2.92
	velocity	5.03	8.55	9.90	10.31	10.10	10.10	10.75	10.10	10.00	10.00	9.06		7.19	10.17	10.27
Lee, Muna (USA) (1981)	time	2.10	3.27	4.27	5.26	6.26	7.21	8.16	9.18	10.17	11.21	11.21	6 / 2			
reaction time	interval		1.17	1.00	0.99	1.00	0.95	0.95	1.02	0.99	1.04		# of strides	4.27	2.94	2.96
	velocity	4.76	8.55	10.00	10.10	10.00	10.53	10.53	9.80	10.10	9.62	8.92		7.03	10.20	10.14
Smith, Rachelle (USA) (1981)	time	2.05	3.22	4.24	5.22	6.26	7.22	8.22	9.21	10.23	11.23	11.23	6 / 3			
reaction time	interval		1.17	1.02	0.98	1.04	0.96	1.00	0.99	1.02	1.00		# of strides	4.24	2.98	3.01
	velocity	4.88	8.55	9.80	10.20	9.62	10.42	10.00	10.10	9.80	10.00	8.90		7.08	10.07	9.97
Solomon, Shalonda (USA) (1985)	time	2.08	3.25	4.34	5.36	6.39	7.36	8.38	9.38	10.39	11.46	11.46	3 / 4			
reaction time	interval		1.17	1.09	1.02	1.03	0.97	1.02	1.00	1.01	1.07		# of strides	4.34	3.02	3.03
	velocity	4.81	8.55	9.17	9.80	9.71	10.31	9.80	10.00	9.90	9.35	8.73		6.91	9.93	9.90
Moore, Connie (USA) (1981)	time	2.14	3.34	4.39	5.44	6.42	7.41	8.39	9.39	10.44	11.47	11.47	9 / 5			

reaction time	interval		1.20	1.05	1.05	0.98	0.99	0.98	1.00	1.05	1.03		# of strides	4.39	3.02	3.03
	velocity	4.67	8.33	9.52	9.52	10.20	10.10	10.20	10.00	9.52	9.71	8.72		6.83	9.93	9.90
Rhett, Amandi (USA) (1982)	time	2.10	3.27	4.35	5.39	6.39	7.41	8.42	9.46	10.50	11.57	11.57	5 / 6			
reaction time	interval		1.17	1.08	1.04	1.00	1.02	1.01	1.04	1.04	1.07		# of strides	4.35	3.06	3.09
	velocity	4.76	8.55	9.26	9.62	10.00	9.80	9.90	9.62	9.62	9.35	8.64		6.90	9.80	9.71
Ratcliff, LaShawndra (USA) (198	time	2.14	3.34	4.40	5.44	6.49	7.54	8.57	9.68	10.77	11.89	11.89	7 / 7			
reaction time	interval		1.20	1.06	1.04	1.05	1.05	1.03	1.11	1.09	1.12		# of strides	4.40	3.14	3.23
	velocity	4.67	8.33	9.43	9.62	9.52	9.52	9.71	9.01	9.17	8.93	8.41		6.82	9.55	9.29

Heat 2

date 24-Jun-05 wind -0.7 m/s *USATF Women's Sprint Development (2005)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hooker, Marshevet (USA) (1984)	time	2.05	3.26	4.29	5.30	6.27	7.27	8.23	9.27	10.28	11.32	11.32	8 / 1			
reaction time	interval		1.21	1.03	1.01	0.97	1.00	0.96	1.04	1.01	1.04		# of strides	4.29	2.98	3.01
	velocity	4.88	8.26	9.71	9.90	10.31	10.00	10.42	9.62	9.90	9.62	8.83		6.99	10.07	9.97
Williams, Lauryn (USA) (1983)	time	2.08	3.22	4.29	5.29	6.29	7.27	8.22	9.26	10.28	11.33	11.33	7 / 2			
reaction time	interval		1.14	1.07	1.00	1.00	0.98	0.95	1.04	1.02	1.05		# of strides	4.29	2.98	3.01
	velocity	4.81	8.77	9.35	10.00	10.00	10.20	10.53	9.62	9.80	9.52	8.83		6.99	10.07	9.97
Moore, LaShaunte'a (USA) (1983	time	2.12	3.27	4.34	5.36	6.39	7.41	8.41	9.44	10.51	11.55	11.55	4 / 3			
reaction time	interval		1.15	1.07	1.02	1.03	1.02	1.00	1.03	1.07	1.04		# of strides	4.34	3.07	3.10
	velocity	4.72	8.70	9.35	9.80	9.71	9.80	10.00	9.71	9.35	9.62	8.66		6.91	9.77	9.68
Ivery, Lakadron (USA) (1983)	time	2.10	3.25	4.32	5.34	6.37	7.39	8.41	9.50	10.53	11.64	11.64	3 / 4			
reaction time	interval		1.15	1.07	1.02	1.03	1.02	1.02	1.09	1.03	1.11		# of strides	4.32	3.07	3.14
	velocity	4.76	8.70	9.35	9.80	9.71	9.80	9.80	9.17	9.71	9.01	8.59		6.94	9.77	9.55
Myrick, Wyllesheia (USA) (1979)	time	2.14	3.31	4.35	5.39	6.41	7.42	8.43	9.50	10.59	11.67	11.67	9 / 5			
reaction time	interval		1.17	1.04	1.04	1.02	1.01	1.01	1.07	1.09	1.08		# of strides	4.35	3.07	3.17
	velocity	4.67	8.55	9.62	9.62	9.80	9.90	9.90	9.35	9.17	9.26	8.57		6.90	9.77	9.46
Lapsley, Andriane (USA) (1983)	time	2.15	3.29	4.39	5.43	6.44	7.47	8.51	9.56	10.66	11.74	11.74	5 / 6			
reaction time	interval		1.14	1.10	1.04	1.01	1.03	1.04	1.05	1.10	1.08		# of strides	4.39	3.08	3.19
	velocity	4.65	8.77	9.09	9.62	9.90	9.71	9.62	9.52	9.09	9.26	8.52		6.83	9.74	9.40

Heat 1

date 24-Jun-05 wind -2.0 m/s *USATF Women's Sprint Development (2005)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Daigle, Angela (USA) (1976)	time	2.03	3.19	4.22	5.27	6.29	7.26	8.24	9.29	10.34	11.40	11.40	8 / 1			
reaction time	interval		1.16	1.03	1.05	1.02	0.97	0.98	1.05	1.05	1.06		# of strides	4.22	3.04	3.08
	velocity	4.93	8.62	9.71	9.52	9.80	10.31	10.20	9.52	9.52	9.43	8.77		7.11	9.87	9.74
Powell, Virginia (Ginnie) (USA) (1	time	2.02	3.14	4.22	5.24	6.27	7.26	8.25	9.32	10.35	11.42	11.42	3 / 2			
reaction time	interval		1.12	1.08	1.02	1.03	0.99	0.99	1.07	1.03	1.07		# of strides	4.22	3.04	3.09
	velocity	4.95	8.93	9.26	9.80	9.71	10.10	10.10	9.35	9.71	9.35	8.76		7.11	9.87	9.71
Brice, Tremedia (USA) (1981)	time	2.06	3.29	4.31	5.39	6.43	7.45	8.46	9.49	10.54	11.58	11.58	9 / 3			
reaction time	interval		1.23	1.02	1.08	1.04	1.02	1.01	1.03	1.05	1.04		# of strides	4.31	3.14	3.09
	velocity	4.85	8.13	9.80	9.26	9.62	9.80	9.90	9.71	9.52	9.62	8.64		6.96	9.55	9.71
Whipple, Erica (USA) (1982)	time	2.17	3.32	4.40	5.44	6.43	7.45	8.46	9.51	10.54	11.61	11.61	4 / 4			
reaction time	interval		1.15	1.08	1.04	0.99	1.02	1.01	1.05	1.03	1.07		# of strides	4.40	3.05	3.09
	velocity	4.61	8.70	9.26	9.62	10.10	9.80	9.90	9.52	9.71	9.35	8.61		6.82	9.84	9.71
Weatherspoon, Alexis (USA) (19	time	2.05	3.20	4.27	5.34	6.36	7.40	8.41	9.49	10.56	11.64	11.64	6 / 5			
reaction time	interval		1.15	1.07	1.07	1.02	1.04	1.01	1.08	1.07	1.08		# of strides	4.27	3.13	3.16
	velocity	4.88	8.70	9.35	9.35	9.80	9.62	9.90	9.26	9.35	9.26	8.59		7.03	9.58	9.49
Williams, Angela (USA) (1980)	time	2.04	3.18	4.24	5.28	6.31	7.36	8.37	9.44	10.54	11.64	11.64	7 / 6			
reaction time	interval		1.14	1.06	1.04	1.03	1.05	1.01	1.07	1.10	1.10		# of strides	4.24	3.12	3.18
	velocity	4.90	8.77	9.43	9.62	9.71	9.52	9.90	9.35	9.09	9.09	8.59		7.08	9.62	9.43

2005 USATF National Junior Championships (Carson, CA)

FINAL

date 23-Jun-05 wind -1.1 m/s *USATF Women's Sprint Development (2005)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tyson, Cleo (USA) (1986)	time	2.12	2.37	4.29	5.31	6.31	7.34	8.31	9.36	10.38	11.44	11.44	7 / 1			
reaction time	interval		0.25	1.92	1.02	1.00	1.03	0.97	1.05	1.02	1.06		# of strides	4.29	3.05	3.04
	velocity	4.72	40.00	5.21	9.80	10.00	9.71	10.31	9.52	9.80	9.43	8.74		6.99	9.84	9.87
Nesbitt, Amberly (USA) (1986)	time	2.10	3.25	4.31	5.36	6.37	7.41	8.43	9.51	10.58	11.67	11.67	6 / 2			
reaction time	interval		1.15	1.06	1.05	1.01	1.04	1.02	1.08	1.07	1.09		# of strides	4.31	3.10	3.17
	velocity	4.76	8.70	9.43	9.52	9.90	9.62	9.80	9.26	9.35	9.17	8.57		6.96	9.68	9.46
Anderson, Alexandria (USA) (198	time	2.18	2.34	4.41	5.46	6.54	7.53	8.58	9.60	10.63	11.69	11.69	5 / 3			

reaction time	interval		0.16	2.07	1.05	1.08	0.99	1.05	1.02	1.03	1.06		# of strides	4.41	3.12	3.10
	velocity	4.59	62.50	4.83	9.52	9.26	10.10	9.52	9.80	9.71	9.43	8.55		6.80	9.62	9.68
Davis, Kristina (USA) (1988)	time	2.12	3.29	4.39	5.46	6.52	7.58	8.63	9.71	10.75	11.67	11.87	2 / 4			
reaction time	interval		1.17	1.10	1.07	1.06	1.06	1.05	1.08	1.04	0.92		# of strides	4.39	3.19	3.17
	velocity	4.72	8.55	9.09	9.35	9.43	9.43	9.52	9.26	9.62	10.87	8.42		6.83	9.40	9.46
Olear, Elizabeth (USA) (1988)	time	2.22	3.35	4.44	5.49	6.56	7.59	8.66	9.73	10.76	11.88	11.88	1 / 5			
reaction time	interval		1.13	1.09	1.05	1.07	1.03	1.07	1.07	1.03	1.12		# of strides	4.44	3.15	3.17
	velocity	4.50	8.85	9.17	9.52	9.35	9.71	9.35	9.35	9.71	8.93	8.42		6.76	9.52	9.46
Knight, Bianca (USA) (1989)	time	2.16	3.35	4.44	5.51	6.54	7.62	8.66	9.73	10.82	11.92	11.92	4 / 6			
reaction time	interval		1.19	1.09	1.07	1.03	1.08	1.04	1.07	1.09	1.10		# of strides	4.44	3.18	3.20
	velocity	4.63	8.40	9.17	9.35	9.71	9.26	9.62	9.35	9.17	9.09	8.39		6.76	9.43	9.38
Onyepunuka, Jessica (USA) (198	time	2.14	3.31	4.42	5.49	6.53	7.59	8.63	9.71	10.80	11.92	11.92	3 / 7			
reaction time	interval		1.17	1.11	1.07	1.04	1.06	1.04	1.08	1.09	1.12		# of strides	4.42	3.17	3.21
	velocity	4.67	8.55	9.01	9.35	9.62	9.43	9.62	9.26	9.17	8.93	8.39		6.79	9.46	9.35
Carter, Khrystal (USA) (1988)	time	2.18	3.37	4.47	5.52	6.57	7.62	8.67	9.74	10.83	11.96	11.96	9 / 8			
reaction time	interval		1.19	1.10	1.05	1.05	1.05	1.05	1.07	1.09	1.13		# of strides	4.47	3.15	3.21
	velocity	4.59	8.40	9.09	9.52	9.52	9.52	9.52	9.35	9.17	8.85	8.36		6.71	9.52	9.35
Matthew, Sarah A. (USA) (1988)	time	2.13	3.31	4.41	5.45	6.56	7.57	9.64	9.76	10.84	11.98	11.98	8 / 9			
reaction time	interval		1.18	1.10	1.04	1.11	1.01	2.07	0.12	1.08	1.14		# of strides	4.41	3.16	3.27
	velocity	4.69	8.47	9.09	9.62	9.01	9.90	4.83	83.33	9.26	8.77	8.35		6.80	9.49	9.17

2004 Olympic Games (Athens, GRE)

FINAL

date 21-Aug-04 wind -0.1 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nestsiarenka, Yulia (BLR) (1979)	0.186	no information available									10.93	6 / 1			
Williams, Lauryn (USA) (1983)	0.212	no information available									10.96	4 / 2			
Campbell, Veronica (JAM) (1982)	0.199	no information available									10.97	3 / 3			
Lalova, Ivet (BUL) (1984)	0.154	no information available									11.00	1 / 4			
Bailey, Aleen (JAM) (1980)	0.208	no information available									11.05	2 / 5			
Simpson, Sherone (JAM) (1984)	0.164	no information available									11.07	5 / 6			
Ferguson, Debbie (BAH) (1976)	0.177	no information available									11.16	8 / 7			
Colander, LaTasha (USA) (1976)	0.183	no information available									11.18	7 / 8			

2004 USA Olympic Trials (Sacramento, CA)

FINAL

date 10-Jul-04 wind 0.1 m/s

USATF Women's Sprint Development (2004)

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Colander, LaTasha (USA) (1976)		time	2.08	3.19	4.23	5.19	6.14	7.11	8.04	9.00	9.97	10.97	10.97	3 / 1			
reaction time	0.175	interval		1.11	1.04	0.96	0.95	0.97	0.93	0.96	0.97	1.00	PB	# of strides	4.23	2.88	2.86
		velocity	4.81	9.01	9.62	10.42	10.53	10.31	10.75	10.42	10.31	10.00	9.12	51.0	7.09	10.42	10.49
Edwards, Torri (USA) (1977)		time	2.05	3.15	4.17	5.14	6.08	7.05	8.03	9.00	10.00	11.02	11.02	4 / ~~2~~			
reaction time		interval		1.10	1.02	0.97	0.94	0.97	0.98	0.97	1.00	1.02	DV	# of strides	4.17	2.88	2.95
		velocity	4.88	9.09	9.80	10.31	10.64	10.31	10.20	10.31	10.00	9.80	9.07	50.7	7.19	10.42	10.17
Williams, Lauryn (USA) (1983)		time	2.08	3.21	4.23	5.22	6.17	7.16	8.13	9.10	10.08	11.10	11.10	5 / ~~3~~ 2			
reaction time	0.211	interval		1.13	1.02	0.99	0.95	0.99	0.97	0.97	0.98	1.02		# of strides	4.23	2.93	2.92
		velocity	4.81	8.85	9.80	10.10	10.53	10.10	10.31	10.31	10.20	9.80	9.01	52.7	7.09	10.24	10.27
Devers, Gail (USA) (1966)		time	2.04	3.11	4.16	5.13	6.08	7.07	8.04	9.04	10.05	11.11	11.11	1 / ~~4~~ 3			
reaction time	0.145	interval		1.07	1.05	0.97	0.95	0.99	0.97	1.00	1.01	1.06		# of strides	4.16	2.91	2.98
		velocity	4.90	9.35	9.52	10.31	10.53	10.10	10.31	10.00	9.90	9.43	9.00	48.0	7.21	10.31	10.07
Jones, Marion (USA) (1975)		time	2.04	3.21	4.24	5.23	6.18	7.16	8.13	9.11	10.10	11.14	11.14	6 / ~~5~~ ~~4~~			
reaction time	0.179	interval		1.17	1.03	0.99	0.95	0.98	0.97	0.98	0.99	1.04	DV	# of strides	4.24	2.92	2.94
		velocity	4.90	8.55	9.71	10.10	10.53	10.20	10.31	10.20	10.10	9.62	8.98	48.0	7.08	10.27	10.20
Lee, Muna (USA) (1981)		time	2.06	3.19	4.23	5.23	6.18	7.20	8.16	9.16	10.14	11.17	11.17	7 / ~~6~~ 4			
reaction time		interval		1.13	1.04	1.00	0.95	1.02	0.96	1.00	0.98	1.03		# of strides	4.23	2.97	2.94
		velocity	4.85	8.85	9.62	10.00	10.53	9.80	10.42	10.00	10.20	9.71	8.95	49.0	7.09	10.10	10.20
Williams, Angela (USA) (1980)		time	2.03	3.12	4.15	5.16	6.13	7.14	8.10	9.13	10.17	11.22	11.22	2 / ~~7~~ 5			
reaction time	0.137	interval		1.09	1.03	1.01	0.97	1.01	0.96	1.03	1.04	1.05		# of strides	4.15	2.99	3.03
		velocity	4.93	9.17	9.71	9.90	10.31	9.90	10.42	9.71	9.62	9.52	8.91	51.0	7.23	10.03	9.90
Daigle, Angela (USA) (1976)		time	2.03	3.15	4.17	5.19	6.16	7.14	8.14	9.16	10.17	11.23	11.23	8 / ~~8~~ 6			
reaction time		interval		1.12	1.02	1.02	0.97	0.98	1.00	1.02	1.01	1.06	PB	# of strides	4.17	2.97	3.03
		velocity	4.93	8.93	9.80	9.80	10.31	10.20	10.00	9.80	9.90	9.43	8.90	51.5	7.19	10.10	9.90

Semi-Final 2

date 10-Jul-04 wind -0.7 m/s

USATF Women's Sprint Development (2004)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)	time	2.08	3.20	4.22	5.22	6.16	7.15	8.11	9.08	10.11	11.14	11.14	5 / ~~4~~			
reaction time	interval		1.12	1.02	1.00	0.94	0.99	0.96	0.97	1.03	1.03	DV	# of strides	4.22	2.93	2.96
	velocity	4.81	8.93	9.80	10.00	10.64	10.10	10.42	10.31	9.71	9.71	8.98	47.7	7.11	10.24	10.14
Colander, LaTasha (USA) (1976)	time	2.14	3.29	4.31	5.27	6.24	7.22	8.16	9.13	10.15	11.14	11.14	3 / ~~2~~ 1			
reaction time	interval		1.15	1.02	0.96	0.97	0.98	0.94	0.97	1.02	0.99		# of strides	4.31	2.91	2.93
	velocity	4.67	8.70	9.80	10.42	10.31	10.20	10.64	10.31	9.80	10.10	8.98	51.0	6.96	10.31	10.24
Lee, Muna (USA) (1981)	time	2.14	3.23	4.27	5.27	6.24	7.23	8.21	9.19	10.25	11.25	11.25	6 / ~~3~~ 2			
reaction time	interval		1.09	1.04	1.00	0.97	0.99	0.98	0.98	1.06	1.00		# of strides	4.27	2.96	3.02
	velocity	4.67	9.17	9.62	10.00	10.31	10.10	10.20	10.20	9.43	10.00	8.89	49.7	7.03	10.14	9.93
Daigle, Angela (USA) (1976)	time	2.05	3.15	4.18	5.18	6.14	7.16	8.14	9.14	10.19	11.27	11.27	1 / ~~4~~ 3			
reaction time	interval		1.10	1.03	1.00	0.96	1.02	0.98	1.00	1.05	1.08		# of strides	4.18	2.98	3.03
	velocity	4.88	9.09	9.71	10.00	10.42	9.80	10.20	10.00	9.52	9.26	8.87	51.5	7.18	10.07	9.90
Myrick, Wyllesheia (USA) (1979)	time	2.09	3.22	4.25	5.22	6.20	7.21	8.19	9.17	10.21	11.28	11.28	2 / ~~5~~ 4			
reaction time	interval		1.13	1.03	0.97	0.98	1.01	0.98	0.98	1.04	1.07		# of strides	4.25	2.96	3.00
	velocity	4.78	8.85	9.71	10.31	10.20	9.90	10.20	10.20	9.62	9.35	8.87	51.0	7.06	10.14	10.00
Miller, Inger (USA) (1972)	time	2.06	3.21	4.26	5.27	6.26	7.24	8.22	9.24	10.25	11.30	11.30	4 / ~~6~~ 5			
reaction time	interval		1.15	1.05	1.01	0.99	0.98	0.98	1.02	1.01	1.05		# of strides	4.26	2.98	3.01
	velocity	4.85	8.70	9.52	9.90	10.10	10.20	10.20	9.80	9.90	9.52	8.85	50.5	7.04	10.07	9.97
Brice, Tremedia (USA) (1981)	time	2.10	3.23	4.28	5.30	6.28	7.30	8.31	9.32	10.34	11.41	11.41	7 / ~~7~~ 6			
reaction time	interval		1.13	1.05	1.02	0.98	1.02	1.01	1.01	1.02	1.07		# of strides	4.28	3.02	3.04
	velocity	4.76	8.85	9.52	9.80	10.20	9.80	9.90	9.90	9.80	9.35	8.76	49.2	7.01	9.93	9.87
Backus, LaKeisha (USA) (1976)	time	2.19	3.30	4.36	5.39	6.38	7.39	8.39	9.41	10.45	11.52	11.52	8 / ~~8~~ 7			
reaction time	interval		1.11	1.06	1.03	0.99	1.01	1.00	1.02	1.04	1.07		# of strides	4.36	3.03	3.06
	velocity	4.57	9.01	9.43	9.71	10.10	9.90	10.00	9.80	9.62	9.35	8.68	54.0	6.88	9.90	9.80

Semi-Final 1

date 10-Jul-04 wind -0.1 m/s *USATF Women's Sprint Development (2004)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edwards, Torri (USA) (1977)	time	2.05	3.14	4.14	5.13	6.07	7.03	7.99	8.98	9.93	11.00	11.00	3 / ~~1~~			
reaction time	interval		1.09	1.00	0.99	0.94	0.96	0.96	0.99	0.95	1.07	DV	# of strides	4.14	2.89	2.90
	velocity	4.88	9.17	10.00	10.10	10.64	10.42	10.42	10.10	10.53	9.35	9.09	50.2	7.25	10.38	10.34
Williams, Lauryn (USA) (1983)	time	2.12	3.24	4.26	5.24	6.22	7.20	8.15	9.14	10.13	11.14	11.14	6 / ~~2~~ 1			
reaction time	interval		1.12	1.02	0.98	0.98	0.98	0.95	0.99	0.99	1.01		# of strides	4.26	2.94	2.93
	velocity	4.72	8.93	9.80	10.20	10.20	10.20	10.53	10.10	10.10	9.90	8.98	52.7	7.04	10.20	10.24
Williams, Angela (USA) (1980)	time	2.04	3.14	4.17	5.16	6.11	7.12	8.08	9.09	10.11	11.16	11.16	1 / ~~3~~ 2			
reaction time	interval		1.10	1.03	0.99	0.95	1.01	0.96	1.01	1.02	1.05		# of strides	4.17	2.95	2.99
	velocity	4.90	9.09	9.71	10.10	10.53	9.90	10.42	9.90	9.80	9.52	8.96	51.0	7.19	10.17	10.03
Devers, Gail (USA) (1966)	time	2.07	3.16	4.16	5.16	6.12	7.11	8.09	9.09	10.11	11.18	11.18	5 / ~~4~~ 3			
reaction time	interval		1.09	1.00	1.00	0.96	0.99	0.98	1.00	1.02	1.07		# of strides	4.16	2.95	3.00
	velocity	4.83	9.17	10.00	10.00	10.42	10.10	10.20	10.00	9.80	9.35	8.94	48.0	7.21	10.17	10.00
Gaines, Chryste (USA) (1970)	time	2.13	3.24	4.27	5.29	6.25	7.26	8.21	9.21	10.23	11.30	11.30	4 / ~~5~~			
reaction time	interval		1.11	1.03	1.02	0.96	1.01	0.95	1.00	1.02	1.07	DV	# of strides	4.27	2.99	2.97
	velocity	4.69	9.01	9.71	9.80	10.42	9.90	10.53	10.00	9.80	9.35	8.85	50.5	7.03	10.03	10.10
Hooker, Marshevet (USA) (1984)	time	2.15	3.30	4.34	5.36	6.34	7.34	8.31	9.31	10.36	11.38	11.38	8 / ~~6~~ 4			
reaction time	interval		1.15	1.04	1.02	0.98	1.00	0.97	1.00	1.05	1.02		# of strides	4.34	3.00	3.02
	velocity	4.65	8.70	9.62	9.80	10.20	10.00	10.31	10.00	9.52	9.80	8.79	47.7	6.91	10.00	9.93
Moore, Connie (USA) (1981)	time	2.17	3.30	4.35	5.42	6.42	7.44	8.43	9.44	10.49	11.60	11.60	2 / ~~7~~ 5			
reaction time	interval		1.13	1.05	1.07	1.00	1.02	0.99	1.01	1.05	1.11		# of strides	4.35	3.09	3.05
	velocity	4.61	8.85	9.52	9.35	10.00	9.80	10.10	9.90	9.52	9.01	8.62	53.2	6.90	9.71	9.84
Graham, Nolle (USA) (1981)	time	2.14	3.30	4.35	5.41	6.45	7.51	8.53	9.60	10.69	11.80	11.80	7 / ~~8~~ 6			
reaction time	interval		1.16	1.05	1.06	1.04	1.06	1.02	1.07	1.09	1.11		# of strides	4.35	3.16	3.18
	velocity	4.67	8.62	9.52	9.43	9.62	9.43	9.80	9.35	9.17	9.01	8.47	51.0	6.90	9.49	9.43

Quarter-Final 4

date 09-Jul-04 wind -0.8 m/s *USATF Women's Sprint Development (2004)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Lauryn (USA) (1983)	time	2.11	3.17	4.22	5.22	6.16	7.12	8.07	9.08	10.09	11.13	11.13	4 / 1			
reaction time	interval		1.06	1.05	1.00	0.94	0.96	0.95	1.01	1.01	1.04		# of strides	4.22	2.90	2.97
	velocity	4.74	9.43	9.52	10.00	10.64	10.42	10.53	9.90	9.90	9.62	8.98	53.2	7.11	10.34	10.10
Lee, Muna (USA) (1981)	time	2.12	3.24	4.27	5.32	6.26	7.26	8.23	9.25	10.31	11.37	11.37	2 / 2			
reaction time	interval		1.12	1.03	1.05	0.94	1.00	0.97	1.02	1.06	1.06		# of strides	4.27	2.99	3.05
	velocity	4.72	8.93	9.71	9.52	10.64	10.00	10.31	9.80	9.43	9.43	8.80	49.0	7.03	10.03	9.84

Hooker, Marshevet (USA) (1984)	time	2.15	3.30	4.30	5.34	6.31	7.31	8.29	9.33	10.36	11.41	11.41	3 / 3			
reaction time	interval		1.15	1.00	1.04	0.97	1.00	0.98	1.04	1.03	1.05		# of strides	4.30	3.01	3.05
	velocity	4.65	8.70	10.00	9.62	10.31	10.00	10.20	9.62	9.71	9.52	8.76	48.0	6.98	9.97	9.84
Brice, Tremedia (USA) (1981)	time	2.19	3.33	4.37	5.37	6.37	7.37	8.39	9.41	10.44	11.50	11.50	5 / 4			
reaction time	interval		1.14	1.04	1.00	1.00	1.00	1.02	1.02	1.03	1.06		# of strides	4.37	3.00	3.07
	velocity	4.57	8.77	9.62	10.00	10.00	10.00	9.80	9.80	9.71	9.43	8.70	49.7	6.86	10.00	9.77
Graham, Nolle (USA) (1981)	time	2.14	3.31	4.36	5.37	6.39	7.42	8.45	9.53	10.56	11.70	11.70	7 / 5			
reaction time	interval		1.17	1.05	1.01	1.02	1.03	1.03	1.08	1.03	1.14		# of strides	4.36	3.06	3.14
	velocity	4.67	8.55	9.52	9.90	9.80	9.71	9.71	9.26	9.71	8.77	8.55	52.0	6.88	9.80	9.55
Pelham, Shaunta (USA) (1978)	time	2.16	3.34	4.37	5.37	6.39	7.42	8.46	9.52	10.56	11.70	11.70	6 / 6			
reaction time	interval		1.18	1.03	1.00	1.02	1.03	1.04	1.06	1.04	1.14		# of strides	4.37	3.05	3.14
	velocity	4.63	8.47	9.71	10.00	9.80	9.71	9.62	9.43	9.62	8.77	8.55	51.0	6.86	9.84	9.55

Quarter-Final 3

date 09-Jul-04 wind -1.0 m/s *USATF Women's Sprint Development (2004)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Edwards, Torri (USA) (1977)	time	2.09	3.18	4.21	5.22	6.19	7.19	8.17	9.21	10.26	11.36	11.36	6 / ~~1~~			
reaction time	interval		1.09	1.03	1.01	0.97	1.00	0.98	1.04	1.05	1.10	DV	# of strides	4.21	2.98	3.07
	velocity	4.78	9.17	9.71	9.90	10.31	10.00	10.20	9.62	9.52	9.09	8.80	51.0	7.13	10.07	9.77
Devers, Gail (USA) (1966)	time	2.05	3.16	4.19	5.21	6.17	7.17	8.16	9.18	10.24	11.36	11.36	4 / ~~2~~ 1			
reaction time	interval		1.11	1.03	1.02	0.96	1.00	0.99	1.02	1.06	1.12		# of strides	4.19	2.98	3.07
	velocity	4.88	9.01	9.71	9.80	10.42	10.00	10.10	9.80	9.43	8.93	8.80	48.7	7.16	10.07	9.77
Daigle, Angela (USA) (1976)	time	2.07	3.15	4.17	5.19	6.17	7.18	8.17	9.23	10.29	11.42	11.42	7 / ~~3~~ 2			
reaction time	interval		1.08	1.02	1.02	0.98	1.01	0.99	1.06	1.06	1.13		# of strides	4.17	3.01	3.11
	velocity	4.83	9.26	9.80	9.80	10.20	9.90	10.10	9.43	9.43	8.85	8.76	52.0	7.19	9.97	9.65
Moore, LaShaunte'a (USA) (1983)	time	2.17	3.35	4.42	5.46	6.46	7.52	8.54	9.59	10.66	11.76	11.76	2 / ~~4~~ 3			
reaction time	interval		1.18	1.07	1.04	1.00	1.06	1.02	1.05	1.07	1.10		# of strides	4.42	3.10	3.14
	velocity	4.61	8.47	9.35	9.62	10.00	9.43	9.80	9.52	9.35	9.09	8.50	51.0	6.79	9.68	9.55
Smedley, Melinda (USA) (1981)	time	2.14	3.30	4.40	5.46	6.47	7.54	8.59	9.67	10.76	11.91	11.91	5 / ~~5~~ 4			
reaction time	interval		1.16	1.10	1.06	1.01	1.07	1.05	1.08	1.09	1.15		# of strides	4.40	3.14	3.22
	velocity	4.67	8.62	9.09	9.43	9.90	9.35	9.52	9.26	9.17	8.70	8.40	54.5	6.82	9.55	9.32
Fant, Felicia (USA)	time	2.20	3.36	4.44	5.51	6.55	7.62	8.70	9.79	10.89	12.07	12.07	3 / ~~6~~ 5			
reaction time	interval		1.16	1.08	1.07	1.04	1.07	1.08	1.09	1.10	1.18		# of strides	4.44	3.18	3.27
	velocity	4.55	8.62	9.26	9.35	9.62	9.35	9.26	9.17	9.09	8.47	8.29	54.0	6.76	9.43	9.17

Quarter-Final 2

date 09-Jul-04 wind -1.4 m/s *USATF Women's Sprint Development (2004)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Miller, Inger (USA) (1972)	time	2.07	3.22	4.27	5.28	6.22	7.21	8.18	9.17	10.23	11.28	11.28	2 / 1			
reaction time	interval		1.15	1.05	1.01	0.94	0.99	0.97	0.99	1.06	1.05		# of strides	4.27	2.94	3.02
	velocity	4.83	8.70	9.52	9.90	10.64	10.10	10.31	10.10	9.43	9.52	8.87	50.2	7.03	10.20	9.93
Gaines, Chryste (USA) (1970)	time	2.12	3.27	4.31	5.34	6.29	7.29	8.28	9.26	10.33	11.39	11.39	7 / ~~2~~			
reaction time	interval		1.15	1.04	1.03	0.95	1.00	0.99	0.98	1.07	1.06	DV	# of strides	4.31	2.98	3.04
	velocity	4.72	8.70	9.62	9.71	10.53	10.00	10.10	10.20	9.35	9.43	8.78	51.0	6.96	10.07	9.87
Myrick, Wyllesheia (USA) (1979)	time	2.12	3.25	4.30	5.31	6.29	7.27	8.28	9.28	10.35	11.42	11.42	3 / ~~3~~ 2			
reaction time	interval		1.13	1.05	1.01	0.98	0.98	1.01	1.00	1.07	1.07		# of strides	4.30	2.97	3.08
	velocity	4.72	8.85	9.52	9.90	10.20	10.20	9.90	10.00	9.35	9.35	8.76	52.0	6.98	10.10	9.74
Moore, Connie (USA) (1981)	time	2.16	3.30	4.37	5.38	6.36	7.36	8.33	9.38	10.39	11.47	11.47	6 / ~~4~~ 3			
reaction time	interval		1.14	1.07	1.01	0.98	1.00	0.97	1.05	1.01	1.08		# of strides	4.37	2.99	3.03
	velocity	4.63	8.77	9.35	9.90	10.20	10.00	10.31	9.52	9.90	9.26	8.72	54.5	6.86	10.03	9.90
Backus, LaKeisha (USA) (1976)	time	2.15	3.30	4.32	5.34	6.32	7.34	8.32	9.39	10.44	11.53	11.53	4 / ~~5~~ 4			
reaction time	interval		1.15	1.02	1.02	0.98	1.02	0.98	1.07	1.05	1.09		# of strides	4.32	3.02	3.10
	velocity	4.65	8.70	9.80	9.80	10.20	9.80	10.20	9.35	9.52	9.17	8.67	54.2	6.94	9.93	9.68
Rhett, Amandi (USA) (1982)	time	2.15	3.32	4.37	5.44	6.42	7.46	8.46	9.53	10.59	11.72	11.72	5 / ~~6~~ 5			
reaction time	interval		1.17	1.05	1.07	0.98	1.04	1.00	1.07	1.06	1.13		# of strides	4.37	3.09	3.13
	velocity	4.65	8.55	9.52	9.35	10.20	9.62	10.00	9.35	9.43	8.85	8.53	55.7	6.86	9.71	9.58

Quarter-Final 1

date 09-Jul-04 wind -1.6 m/s *USATF Women's Sprint Development (2004)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Colander, LaTasha (USA) (1976)	time	2.12	3.25	4.31	5.30	6.26	7.24	8.21	9.21	10.23	11.35	11.35	6 / 1			
reaction time	interval		1.13	1.06	0.99	0.96	0.98	0.97	1.00	1.02	1.12		# of strides	4.31	2.93	2.99
	velocity	4.72	8.85	9.43	10.10	10.42	10.20	10.31	10.00	9.80	8.93	8.81	51.2	6.96	10.24	10.03
Jones, Marion (USA) (1975)	time	2.09	3.22	4.26	5.24	6.21	7.20	8.22	9.21	10.23	11.38	11.38	3 / ~~2~~			

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		1.13	1.04	0.98	0.97	0.99	1.02	0.99	1.02	1.15	DV	# of strides	4.26	2.94	3.03
	velocity	4.78	8.85	9.62	10.20	10.31	10.10	9.80	10.10	9.80	8.70	8.79	48.7	7.04	10.20	9.90
Williams, Angela (USA) (1980)	time	2.09	3.21	4.23	5.22	6.19	7.20	8.22	9.23	10.34	11.47	11.47	4 / ~~3~~ 2			
reaction time	interval		1.12	1.02	0.99	0.97	1.01	1.02	1.01	1.11	1.13		# of strides	4.23	2.97	3.14
	velocity	4.78	8.93	9.80	10.10	10.31	9.90	9.80	9.90	9.01	8.85	8.72	51.2	7.09	10.10	9.55
Ivery, Lakadron (USA) (1983)	time	2.12	3.30	4.36	5.41	6.39	7.44	8.47	9.54	10.58	11.72	11.72	5 / ~~4~~ 3			
reaction time	interval		1.18	1.06	1.05	0.98	1.05	1.03	1.07	1.04	1.14		# of strides	4.36	3.08	3.14
	velocity	4.72	8.47	9.43	9.52	10.20	9.52	9.71	9.35	9.62	8.77	8.53	49.0	6.88	9.74	9.55
Jones, Teneeshia (USA) (1979)	time	2.09	3.23	4.31	5.34	6.34	7.39	8.43	9.49	10.58	11.72	11.72	7 / ~~5~~ 4			
reaction time	interval		1.14	1.08	1.03	1.00	1.05	1.04	1.06	1.09	1.14		# of strides	4.31	3.08	3.19
	velocity	4.78	8.77	9.26	9.71	10.00	9.52	9.62	9.43	9.17	8.77	8.53	53.0	6.96	9.74	9.40
Jeter, Carmelita (USA) (1979)	time	2.15	3.32	4.37	5.38	6.36	7.41	8.46	9.51	10.60	11.76	11.76	2 / ~~6~~ 5			
reaction time	interval		1.17	1.05	1.01	0.98	1.05	1.05	1.05	1.09	1.16		# of strides	4.37	3.04	3.19
	velocity	4.65	8.55	9.52	9.90	10.20	9.52	9.52	9.52	9.17	8.62	8.50	51.0	6.86	9.87	9.40

2003 IAAF World Championships (Paris, FRA)

FINAL

date 24-Aug-03 wind 0.9 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
White, Kellie (USA) (1977)	0.184	no information available								DV	10.85	5 / ~~1~~			
Edwards, Torri (USA) (1977)	0.133	no information available									10.93	1 / ~~2~~ 1			
Block, Zhanna (UKR) (1972)	0.160	no information available								DV	10.99	2 / ~~3~~			
Sturrup, Chandra (BAH) (1971)	0.136	no information available									11.02	6 / ~~4~~ 2			
Thánou, Ekateríni (GRE) (1975	0.219	no information available									11.03	4 / ~~5~~ 3			
Arron, Christine (FRA) (1973)	0.182	no information available									11.06	3 / ~~6~~ 4			
Bailey, Aleen (JAM) (1980)	0.205	no information available									11.07	8 / ~~7~~ 5			
Devers, Gail (USA) (1966)	0.150	no information available									11.11	7 / ~~8~~ 6			

2003 USATF National Junior Championship (Palo Alto, CA)

FINAL

date 22-Jun-03 wind 0.7 m/s

USATF Women's Sprint Development (2003)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Solomon, Shalonda (USA) (1985)	time	2.12	3.27	4.35	5.37	6.39	7.37	8.34	9.34	10.38	11.40	11.40	5 / 1			
reaction time	interval		1.15	1.08	1.02	1.02	0.98	0.97	1.00	1.04	1.02		# of strides	4.35	3.02	3.01
	velocity	4.72	8.70	9.26	9.80	9.80	10.20	10.31	10.00	9.62	9.80	8.77		6.90	9.93	9.97
Owens, Ashley (USA) (1985)	time	2.14	3.28	4.37	5.41	6.41	7.44	8.46	9.59	10.58	11.60	11.60	7 / 2			
reaction time	interval		1.14	1.09	1.04	1.00	1.03	1.02	1.13	0.99	1.02	PB	# of strides	4.37	3.07	3.14
	velocity	4.67	8.77	9.17	9.62	10.00	9.71	9.80	8.85	10.10	9.80	8.62		6.86	9.77	9.55
Rodriguez, Carol (USA) (1985)	time	2.19	3.32	4.40	5.42	6.44	7.44	8.49	9.51	10.59	11.68	11.68	6 / 3			
reaction time	interval		1.13	1.08	1.02	1.02	1.00	1.05	1.02	1.08	1.09		# of strides	4.40	3.04	3.15
	velocity	4.57	8.85	9.26	9.80	9.80	10.00	9.52	9.80	9.26	9.17	8.56		6.82	9.87	9.52
Broaddus, Juanita (USA) (1985)	time	2.19	3.34	4.44	5.49	6.54	7.56	8.58	9.66	10.70	11.78	11.78	2 / 4			
reaction time	interval		1.15	1.10	1.05	1.05	1.02	1.02	1.08	1.04	1.08		# of strides	4.44	3.12	3.14
	velocity	4.57	8.70	9.09	9.52	9.52	9.80	9.80	9.26	9.62	9.26	8.49		6.76	9.62	9.55
Carter, Antonette (USA) (1984)	time	2.20	3.40	4.45	5.49	6.54	7.55	8.59	9.64	10.74	11.79	11.79	4 / 5			
reaction time	interval		1.20	1.05	1.04	1.05	1.01	1.04	1.05	1.10	1.05		# of strides	4.45	3.10	3.19
	velocity	4.55	8.33	9.52	9.62	9.52	9.90	9.62	9.52	9.09	9.52	8.48		6.74	9.68	9.40
Davis, Kristina (USA) (1988)	time	2.15	3.32	4.40	5.47	6.54	7.57	8.59	9.68	10.79	11.89	11.89	3 / 6			
reaction time	interval		1.17	1.08	1.07	1.07	1.03	1.02	1.09	1.11	1.10		# of strides	4.40	3.17	3.22
	velocity	4.65	8.55	9.26	9.35	9.35	9.71	9.80	9.17	9.01	9.09	8.41		6.82	9.46	9.32
Rogers, Tissilli (USA) (1984)	time	2.18	3.34	4.44	5.47	6.51	7.56	8.62		10.87	11.96	11.96	9 / 7			
reaction time	interval		1.16	1.10	1.03	1.04	1.05	1.06		2.25	1.09		# of strides	4.44	3.12	3.31
	velocity	4.59	8.62	9.09	9.71	9.62	9.52	9.43		8.89	9.17	8.36		6.76	9.62	9.06
Goodwin, Deanna (USA) (1985)	time	2.18	3.37	4.47	5.54	6.59	7.64	8.68	9.77	10.89	11.99	11.99	8 / 8			
reaction time	interval		1.19	1.10	1.07	1.05	1.05	1.04	1.09	1.12	1.10		# of strides	4.47	3.17	3.25
	velocity	4.59	8.40	9.09	9.35	9.52	9.52	9.62	9.17	8.93	9.09	8.34		6.71	9.46	9.23
Earls, Jacqueline (USA) (1984)	time	2.20	3.39	4.54	5.61	6.71	7.81				12.20	12.30	1 / 9			
reaction time	interval		1.19	1.15	1.07	1.10	1.10				4.39		# of strides	4.54	3.27	
	velocity	4.55	8.40	8.70	9.35	9.09	9.09				9.11	8.13		6.61	9.17	

2003 USATF National Championship (Palo Alto, CA)

FINAL

date 20-Jun-03 wind -1.1 m/s

USATF Women's Sprint Development (2003)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
White, Kelli (USA) (1977)	time	2.04	3.12	4.15	5.09	6.09	7.03	7.98	8.93	9.93	10.93	10.93	5 / ~~1~~			
reaction time	interval		1.08	1.03	0.94	1.00	0.94	0.95	0.95	1.00	1.00	DV	# of strides	4.15	2.88	2.90

	velocity	4.90	9.26	9.71	10.64	10.00	10.64	10.53	10.53	10.00	10.00	9.15		7.23	10.42	10.34
Edwards, Torri (USA) (1977)	time	2.09	3.15	4.19	5.17	6.16	7.11	8.09	9.09	10.11	11.13	11.13	4 / ~~2~~ 1			
reaction time	interval		1.06	1.04	0.98	0.99	0.95	0.98	1.00	1.02	1.02		# of strides	4.19	2.92	3.00
	velocity	4.78	9.43	9.62	10.20	10.10	10.53	10.20	10.00	9.80	9.80	8.98		7.16	10.27	10.00
Devers, Gail (USA) (1966)	time	2.10	3.17	4.19	5.19	6.16	7.14	8.11	9.11	10.14	11.16	11.16	6 / ~~3~~ 2			
reaction time	interval		1.07	1.02	1.00	0.97	0.98	0.97	1.00	1.03	1.02		# of strides	4.19	2.95	3.00
	velocity	4.76	9.35	9.80	10.00	10.31	10.20	10.31	10.00	9.71	9.80	8.96		7.16	10.17	10.00
Miller, Inger (USA) (1972)	time	2.09	3.24	4.27	5.25	6.24	7.21	8.16	9.16	10.19	11.17	11.17	7 / ~~4~~ 3			
reaction time	interval		1.15	1.03	0.98	0.99	0.97	0.95	1.00	1.03	0.98		# of strides	4.27	2.94	2.98
	velocity	4.78	8.70	9.71	10.20	10.10	10.31	10.53	10.00	9.71	10.20	8.95		7.03	10.20	10.07
Gaines, Chryste (USA) (1970)	time	2.07	3.27	4.25	5.22	6.21	7.17	8.18	9.17	10.19	11.21	11.21	1 / ~~5~~			
reaction time	interval		1.20	0.98	0.97	0.99	0.96	1.01	0.99	1.02	1.02	DV	# of strides	4.25	2.92	3.02
	velocity	4.83	8.33	10.20	10.31	10.10	10.42	9.90	10.10	9.80	9.80	8.92		7.06	10.27	9.93
Williams, Angela (USA) (1980)	time	2.04	3.14	4.19	5.17	6.16	7.14	8.14	9.14	10.21	11.23	11.23	3 / ~~6~~ 4			
reaction time	interval		1.10	1.05	0.98	0.99	0.98	1.00	1.00	1.07	1.02		# of strides	4.19	2.95	3.07
	velocity	4.90	9.09	9.52	10.20	10.10	10.20	10.00	10.00	9.35	9.80	8.90		7.16	10.17	9.77
Williams, Lauryn (USA) (1983)	time	2.17	3.29	4.35	5.35	6.34	7.31	8.30	9.31	10.33	11.34	11.34	2 / ~~7~~ 5			
reaction time	interval		1.12	1.06	1.00	0.99	0.97	0.99	1.01	1.02	1.01		# of strides	4.35	2.96	3.02
	velocity	4.61	8.93	9.43	10.00	10.10	10.31	10.10	9.90	9.80	9.90	8.82		6.90	10.14	9.93
Daigle, Angela (USA) (1976)	time	2.07	3.23	4.24	5.25	6.25	7.26	8.26	9.30	10.33	11.39	11.39	8 / ~~8~~ 6			
reaction time	interval		1.16	1.01	1.01	1.00	1.01	1.00	1.04	1.03	1.06		# of strides	4.24	3.02	3.07
	velocity	4.83	8.62	9.90	9.90	10.00	9.90	10.00	9.62	9.71	9.43	8.78		7.08	9.93	9.77

2002 European Championships (Munich, GER)

FINAL

date 07-Aug-02 wind -0.7 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thánou, Ekateríni (GRE) (1975)	time		3.20	4.22	5.21		7.15		9.11		11.10	11.10	/ 1			
reaction time 0.131	interval			1.02	0.99		1.94		1.96		1.99		# of strides	4.22	2.93	
	velocity		6.25	9.80	10.10		10.31		10.20		10.05	9.01	52.5	7.11	10.24	
Gevaert, Kim (BEL) (1978)	time		3.15	4.19	5.19		7.17		9.18		11.23	11.22	/ 2			
reaction time 0.139	interval			1.04	1.00		1.98		2.01		2.05		# of strides	4.19	2.98	
	velocity		6.35	9.62	10.00		10.10		9.95		9.76	8.91	47.8	7.16	10.07	
Levorato, Manuela (ITA) (1977)	time		3.23	4.26	5.26		7.22		9.22		11.23	11.23	/ 3			
reaction time 0.153	interval			1.03	1.00		1.96		2.00		2.01		# of strides	4.26	2.96	
	velocity		6.19	9.71	10.00		10.20		10.00		9.95	8.90	46.3	7.04	10.14	
Alozie, Glory (ESP) (1977)	time		3.21	4.26	5.28		7.26		9.26		11.32	11.32	/ 4			
reaction time 0.150	interval			1.05	1.02		1.98		2.00		2.06		# of strides	4.26	3.00	
	velocity		6.23	9.52	9.80		10.10		10.00		9.71	8.83		7.04	10.00	
Paschke, Melanie (GER) (1970)	time		3.21	4.26	5.28		7.28		9.29		11.37	11.37	/ 5			
reaction time 0.137	interval			1.05	1.02		2.00		2.01		2.08		# of strides	4.26	3.02	
	velocity		6.23	9.52	9.80		10.00		9.95		9.62	8.80	53.1	7.04	9.93	
Oyepitan, Abi (GBR) (1979)	time		3.26	4.31	5.33		7.34		9.36		11.41	11.41	/ 6			
reaction time 0.141	interval			1.05	1.02		2.01		2.02		2.05		# of strides	4.31	3.03	
	velocity		6.13	9.52	9.80		9.95		9.90		9.76	8.76		6.96	9.90	
Sidibé, Odiah (FRA) (1970)	time		3.28	4.35	5.38		7.41		9.47		11.57	11.57	/ 7			
reaction time 0.162	interval			1.07	1.03		2.03		2.06		2.10		# of strides	4.35	3.06	
	velocity		6.10	9.35	9.71		9.85		9.71		9.52	8.64		6.90	9.80	
Bikar, Alenka (SLO) (1974)	time		3.28	4.36	5.40		7.42		9.49		11.63	11.63	/ 8			
reaction time 0.141	interval			1.08	1.04		2.02		2.07		2.14		# of strides	4.36	3.06	
	velocity		6.10	9.26	9.62		9.90		9.66		9.35	8.60		6.88	9.80	

Semi-Final 2

date 07-Aug-02 wind 0.3 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thánou, Ekateríni (GRE) (1975)	time		3.18	4.20	5.18		7.10		9.05		11.05	11.05	/ 1			
reaction time 0.144	interval			1.02	0.98		1.92		1.95		2.00		# of strides	4.20	2.90	
	velocity		6.29	9.80	10.20		10.42		10.26		10.00	9.05	52.4	7.14	10.34	
Levorato, Manuela (ITA) (1977)	time		3.19	4.22	5.22		7.20		9.21		11.26	11.26	/ 2			
reaction time 0.144	interval			1.03	1.00		1.98		2.01		2.05		# of strides	4.22	2.98	
	velocity		6.27	9.71	10.00		10.10		9.95		9.76	8.88		7.11	10.07	
Paschke, Melanie (GER) (1970)	time		3.20	4.25	5.27		7.26		9.27		11.35	11.35	/ 3			

	reaction time 0.148	interval		1.05	1.02	1.99	2.01	2.08		# of strides	4.25	3.01		
		velocity	6.25	9.52	9.80	10.05	9.95	9.62	8.81		7.06	9.97		
Sidibé, Odiah (FRA) (1970)		time	3.25	4.30	5.31	7.32	9.34	11.42	11.42	/ 4				
	reaction time 0.181	interval		1.05	1.01	2.01	2.02	2.08		# of strides	4.30	3.02		
		velocity	6.15	9.52	9.90	9.95	9.90	9.62	8.76		6.98	9.93		
Bartsevich, Yuliya (BLR) (1979)		time	3.19	4.24	5.25	7.26	9.30	11.44	11.44	/ 5				
	reaction time 0.122	interval		1.05	1.01	2.01	2.04	2.14		# of strides	4.24	3.02		
		velocity	6.27	9.52	9.90	9.95	9.80	9.35	8.74		7.08	9.93		
Visockaité Agné (LTU) (1978)		time	3.18	4.23	5.25	7.26	9.31	11.44	11.44	/ 6				
	reaction time 0.115	interval		1.05	1.02	2.01	2.05	2.13		# of strides	4.23	3.03		
		velocity	6.29	9.52	9.80	9.95	9.76	9.39	8.74		7.09	9.90		
Mayr-Krifka, Karin (AUT) (1971)		time	3.21	4.26	5.28	7.29	9.35	11.52	11.52	/ 7				
	reaction time 0.136	interval		1.05	1.02	2.01	2.06	2.17		# of strides	4.26	3.03		
		velocity	6.23	9.52	9.80	9.95	9.71	9.22	8.68		7.04	9.90		
Pastushenko, Olena (UKR) (1979)		time	3.17	4.22	5.24	7.27	9.36	11.54	11.54	/ 8				
	reaction time 0.115	interval		1.05	1.02	2.03	2.09	2.18		# of strides	4.22	3.05		
		velocity	6.31	9.52	9.80	9.85	9.57	9.17	8.67		7.11	9.84		

Semi-Final 1

date 07-Aug-02 wind 0.0 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gevaert, Kim (BEL) (1978)		time		3.15	4.19	5.19		7.17		9.17		11.27	11.27	/ 1			
	reaction time 0.138	interval			1.04	1.00		1.98		2.00		2.10		# of strides	4.19	2.98	
		velocity		6.35	9.62	10.00		10.10		10.00		9.52	8.87		7.16	10.07	
Alozie, Glory (ESP) (1977)		time		3.19	4.25	5.27		7.24		9.23		11.32	11.32	/ 2			
	reaction time 0.142	interval			1.06	1.02		1.97		1.99		2.09		# of strides	4.25	2.99	
		velocity		6.27	9.43	9.80		10.15		10.05		9.57	8.83		7.06	10.03	
Oyepitan, Abi (GBR) (1979)		time		3.21	4.25	5.26		7.23		9.24		11.33	11.33	/ 3			
	reaction time 0.117	interval			1.04	1.01		1.97		2.01		2.09		# of strides	4.25	2.98	
		velocity		6.23	9.62	9.90		10.15		9.95		9.57	8.83		7.06	10.07	
Bikar, Alenka (SLO) (1974)		time		3.13	4.18	5.20		7.20		9.23		11.37	11.37	/ 4			
	reaction time 0.162	interval			1.05	1.02		2.00		2.03		2.14		# of strides	4.18	3.02	
		velocity		6.39	9.52	9.80		10.00		9.85		9.35	8.80		7.18	9.93	
Koklóni, Yeoryía (GRE) (1981)		time		3.17	4.22	5.23		7.25		9.30		11.44	11.44	/ 5			
	reaction time 0.147	interval			1.05	1.01		2.02		2.05		2.14		# of strides	4.22	3.03	
		velocity		6.31	9.52	9.90		9.90		9.76		9.35	8.74		7.11	9.90	
Schielke, Sina (GER) (1981)		time		3.23	4.28	5.30		7.30		9.35		11.48	11.48	/ 6			
	reaction time 0.149	interval			1.05	1.02		2.00		2.05		2.13		# of strides	4.28	3.02	
		velocity		6.19	9.52	9.80		10.00		9.76		9.39	8.71		7.01	9.93	
Kislova, Marina (RUS) (1978)		time		3.18	4.24	5.26		7.27		9.33		11.49	11.49	/ 7			
	reaction time 0.116	interval			1.06	1.02		2.01		2.06		2.16		# of strides	4.24	3.03	
		velocity		6.29	9.43	9.80		9.95		9.71		9.26	8.70		7.08	9.90	
Combe, Delphine (FRA) (1974)		time		3.28	4.35	5.38		7.41		9.49		11.65	11.65	/ 8			
	reaction time 0.164	interval			1.07	1.03		2.03		2.08		2.16		# of strides	4.35	3.06	
		velocity		6.10	9.35	9.71		9.85		9.62		9.26	8.58		6.90	9.80	

Heat 4

date 06-Aug-02 wind 0.3 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Thánou, Ekateríni (GRE) (1975)		time		3.17	4.19	5.17		7.11		9.05		11.07	11.07	/ 1			
	reaction time 0.137	interval			1.02	0.98		1.94		1.94		2.02		# of strides	4.19	2.92	
		velocity		6.31	9.80	10.20		10.31		10.31		9.90	9.03		7.16	10.27	
Oyepitan, Abi (GBR) (1979)		time		3.23	4.28	5.30		7.29		9.31		11.40	11.40	/ 2			
	reaction time 0.152	interval			1.05	1.02		1.99		2.02		2.09		# of strides	4.28	3.01	
		velocity		6.19	9.52	9.80		10.05		9.90		9.57	8.77		7.01	9.97	
Combe, Delphine (FRA) (1974)		time		3.25	4.31	5.34		7.34		9.37		11.45	11.45	/ 3			
	reaction time 0.154	interval			1.06	1.03		2.00		2.03		2.08		# of strides	4.31	3.03	
		velocity		6.15	9.43	9.71		10.00		9.85		9.62	8.73		6.96	9.90	

Heat 3

date 06-Aug-02 wind 0.0 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gevaert, Kim (BEL) (1978)		time		3.14	4.17	5.17		7.13		9.13		11.19	11.19	/ 1			
	reaction time 0.140	interval			1.03	1.00		1.96		2.00		2.06		# of strides	4.17	2.96	
		velocity		6.37	9.71	10.00		10.20		10.00		9.71	8.94		7.19	10.14	

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

Mayr-Krifka, Karin (AUT) (1971)	time	3.16	4.20	5.21	7.19	9.23	11.35	11.35	/ 2				
reaction time 0.124	interval		1.04	1.01	1.98	2.04	2.12		# of strides	4.20	2.99		
	velocity	6.33	9.62	9.90	10.10	9.80	9.43	8.81		7.14	10.03		
Paschke, Melanie (GER) (1970)	time	3.17	4.22	5.24	7.25	9.27	11.36	11.36	/ 3				
reaction time 0.127	interval		1.05	1.02	2.01	2.02	2.09		# of strides	4.22	3.03		
	velocity	6.31	9.52	9.80	9.95	9.90	9.57	8.80		7.11	9.90		

Heat 2

date 06-Aug-02 wind 0.7 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Levorato, Manuela (ITA) (1977)	time		3.21	4.26	5.27		7.27		9.31		11.46	11.46	/ 1			
reaction time 0.150	interval			1.05	1.01		2.00		2.04		2.15		# of strides	4.26	3.01	
	velocity		6.23	9.52	9.90		10.00		9.80		9.30	8.73		7.04	9.97	
Koklóni, Yeoryía (GRE) (1981)	time		3.21	4.26	5.28		7.30		9.37		11.51	11.51	/ 2			
reaction time 0.154	interval			1.05	1.02		2.02		2.07		2.14		# of strides	4.26	3.04	
	velocity		6.23	9.52	9.80		9.90		9.66		9.35	8.69		7.04	9.87	
Schielke, Sina (GER) (1981)	time		3.22	4.28	5.30		7.32		9.38		11.53	11.53	/ 3			
reaction time 0.140	interval			1.06	1.02		2.02		2.06		2.15		# of strides	4.28	3.04	
	velocity		6.21	9.43	9.80		9.90		9.71		9.30	8.67		7.01	9.87	

Heat 1

date 06-Aug-02 wind 0.1 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Alozie, Glory (ESP) (1977)	time		3.22	4.27	5.29		7.28		9.30		11.42	11.42	/ 1			
reaction time 0.155	interval			1.05	1.02		1.99		2.02		2.12		# of strides	4.27	3.01	
	velocity		6.21	9.52	9.80		10.05		9.90		9.43	8.76		7.03	9.97	
Bartsevich, Yuliya (BLR) (1979)	time		3.17	4.21	5.22		7.22		9.28		11.42	11.42	/ 2			
reaction time 0.143	interval			1.04	1.01		2.00		2.06		2.14		# of strides	4.21	3.01	
	velocity		6.31	9.62	9.90		10.00		9.71		9.35	8.76		7.13	9.97	
Kislova, Marina (RUS) (1978)	time		3.18	4.23	5.24		7.25		9.30		11.45	11.45	/ 3			
reaction time 0.113	interval			1.05	1.01		2.01		2.05		2.15		# of strides	4.23	3.02	
	velocity		6.29	9.52	9.90		9.95		9.76		9.30	8.73		7.09	9.93	
Wagner, Marion (GER) (1978)	time		3.25	4.30	5.31		7.32		9.37		11.53	11.53	/ 5			
reaction time 0.150	interval			1.05	1.01		2.01		2.05		2.16		# of strides	4.30	3.02	
	velocity		6.15	9.52	9.90		9.95		9.76		9.26	8.67		6.98	9.93	

2001 ISTAF (Berlin, GER)

FINAL

date 31-Aug-01 wind 0.5 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Mani, Myriam (CMR) (1977)	time		3.14	4.16	5.15		7.10		9.09		11.13	11.13	/ 1			
reaction time 0.143	interval			1.02	0.99		1.95		1.99		2.04		# of strides	4.16	2.94	
	velocity		6.37	9.80	10.10		10.26		10.05		9.80	8.98		7.21	10.20	
Nku, Mercy (NGR) (1976)	time		3.17	4.20	5.20		7.14		9.12		11.16	11.16	/ 2			
reaction time 0.159	interval			1.03	1.00		1.94		1.98		2.04		# of strides	4.20	2.94	
	velocity		6.31	9.71	10.00		10.31		10.10		9.80	8.96		7.14	10.20	
White, Kelli (USA) (1977)	time		3.19	4.22	5.21		7.19		9.19		11.25	11.25	/ ~~3~~			
reaction time 0.153	interval			1.03	0.99		1.98		2.00		2.06	DV	# of strides	4.22	2.97	
	velocity		6.27	9.71	10.10		10.10		10.00		9.71	8.89		7.11	10.10	
Ojokolo, Endurance (NGR) (1975	time		3.22	4.24	5.22		7.18		9.19		11.26	11.26	/ ~~4~~ 3			
reaction time 0.161	interval			1.02	0.98		1.96		2.01		2.07		# of strides	4.24	2.94	
	velocity		6.21	9.80	10.20		10.20		9.95		9.66	8.88		7.08	10.20	
Onyali-Omagembi, Mary (NGR) (1	time		3.20	4.25	5.26		7.28		9.32		11.41	11.41	/ ~~5~~ 4			
reaction time 0.159	interval			1.05	1.01		2.02		2.04		2.09		# of strides	4.25	3.03	
	velocity		6.25	9.52	9.90		9.90		9.80		9.57	8.76		7.06	9.90	
Paschke, Melanie (GER) (1970)	time		3.25	4.30	5.32		7.32		9.34		11.41	11.41	/ ~~6~~ 5			
reaction time 0.173	interval			1.05	1.02		2.00		2.02		2.07		# of strides	4.30	3.02	
	velocity		6.15	9.52	9.80		10.00		9.90		9.66	8.76		6.98	9.93	
Rockmeier, Gabi (GER) (1973)	time		3.29	4.34	5.36		7.38		9.39		11.45	11.45	/ ~~7~~ 6			
reaction time 0.125	interval			1.05	1.02		2.02		2.01		2.06		# of strides	4.34	3.04	
	velocity		6.08	9.52	9.80		9.90		9.95		9.71	8.73		6.91	9.87	
Tabakova, Yuliya (RUS) (1980)	time		3.28	4.33	5.34		7.33		9.36		11.46	11.46	/ ~~8~~ 7			
reaction time 0.169	interval			1.05	1.01		1.99		2.03		2.10		# of strides	4.33	3.00	
	velocity		6.10	9.52	9.90		10.05		9.85		9.52	8.73		6.93	10.00	

2001 IAAF World Championships (Edmonton, CAN)

FINAL

date 06-Aug-01 wind -0.2 m/s *Veney - split times from PJ*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Block, Zhanna (UKR) (1972)	time	1.95	3.04	4.08	5.06	6.00	6.95	7.91	8.86	9.83	10.82	10.82	4 / 1			
reaction time 0.123	interval		1.09	1.04	0.98	0.94	0.95	0.96	0.95	0.97	0.99	NR	# of strides	4.08	2.87	2.88
	velocity	5.13	9.17	9.62	10.20	10.64	10.53	10.42	10.53	10.31	10.10	9.24	49.0	7.35	10.45	10.42
Jones, Marion (USA) (1975)	time	1.97	3.07	4.12	5.12	6.07	7.02	7.97	8.82	9.88	10.85	10.85	3 / ~~2~~			
reaction time 0.146	interval		1.10	1.05	1.00	0.95	0.95	0.95	0.85	1.06	0.97	DV	# of strides	4.12	2.90	2.86
	velocity	5.08	9.09	9.52	10.00	10.53	10.53	10.53	11.76	9.43	10.31	9.22	48.7	7.28	10.34	10.49
Thánou, Ekateríni (GRE) (1975)	0.154	no information available										10.91	5 / ~~3~~ 2	# of strides	52.0	
Sturrup, Chandra (BAH) (1971)	0.154	no information available										11.02	6 / ~~4~~ 3	# of strides	51.5	
Ganes, Chryste (USA) (1970)	0.141	no information available										11.06	1 / ~~5~~ 4	# of strides	49.2	
Ferguson, Debbie (BAH) (1976)	0.189	no information available										11.13	8 / ~~6~~ 5	# of strides	49.7	
White, Kelli (USA) (1977)	0.151	no information available									DV	11.15	7 / ~~7~~	# of strides	50.0	
Nku, Mercy (NGR) (1976)	0.142	no information available										11.17	2 / ~~8~~ 6	# of strides	51.7	

2001 German National Championships (Stuttgart, GER)

FINAL

date 30-Jul-01 wind 0.7 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Rockmeier, Gabi (GER) (1973)	time		3.21	4.24	5.24		7.18		9.15		11.17	11.17	/ 1			
reaction time 0.139	interval			1.03	1.00		1.94		1.97		2.02	PB	# of strides	4.24	2.94	
	velocity		6.23	9.71	10.00		10.31		10.15		9.90	8.95		7.08	10.20	

2001 European Cup (Bremen, GER)

FINAL

date 23-Jun-01 wind 2.8 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kislova, Marina (RUS) (1978)	time		3.19	4.23	5.23		7.20		9.18		11.23	11.23	/ 1			
reaction time 0.133	interval			1.04	1.00		1.97		1.98		2.05		# of strides	4.23	2.97	
	velocity		6.27	9.62	10.00		10.15		10.10		9.76	8.90		7.09	10.10	
Safronnikova, Natallia (BLR) (197	time		3.34	4.37	5.36		7.29		9.23		11.26	11.26	/ 2			
reaction time 0.247	interval			1.03	0.99		1.93		1.94		2.03		# of strides	4.37	2.92	
	velocity		5.99	9.71	10.10		10.36		10.31		9.85	8.88		6.86	10.27	
Benth, Katia (FRA) (1975)	time		3.26	4.31	5.32		7.29		9.29		11.38	11.38	/ 3			
reaction time 0.134	interval			1.05	1.01		1.97		2.00		2.09		# of strides	4.31	2.98	
	velocity		6.13	9.52	9.90		10.15		10.00		9.57	8.79		6.96	10.07	
Rockmeier, Gabi (GER) (1973)	time		3.30	4.35	5.37		7.35		9.33		11.38	11.38	/ 4			
reaction time 0.125	interval			1.05	1.02		1.98		1.98		2.05		# of strides	4.35	3.00	
	velocity		6.06	9.52	9.80		10.10		10.10		9.76	8.79		6.90	10.00	
Maduaka, Joice (GBR) (1973)	time		3.25	4.29	5.30		7.30		9.33		11.45	11.45	/ 5			
reaction time 0.173	interval			1.04	1.01		2.00		2.03		2.12		# of strides	4.29	3.01	
	velocity		6.15	9.62	9.90		10.00		9.85		9.43	8.73		6.99	9.97	
Levorato, Manuela (ITA) (1977)	time		3.37	4.42	5.43		7.41		9.40		11.43	11.47	/ 6			
reaction time 0.205	interval			1.05	1.01		1.98		1.99		2.03		# of strides	4.42	2.99	
	velocity		5.93	9.52	9.90		10.10		10.05		9.85	8.72		6.79	10.03	
Andrysková, Pavla (CZE) (1978)	time		3.34	4.42	5.46		7.50		9.57		11.73	11.73	/ 7			
reaction time 0.178	interval			1.08	1.04		2.04		2.07		2.16		# of strides	4.42	3.08	
	velocity		5.99	9.26	9.62		9.80		9.66		9.26	8.53		6.79	9.74	
Lisenco, Evelina (ROU) (1975)	time		3.38	4.46	5.50		7.56		9.65		11.83	11.83	/ 8			
reaction time 0.218	interval			1.08	1.04		2.06		2.09		2.18		# of strides	4.46	3.10	
	velocity		5.92	9.26	9.62		9.71		9.57		9.17	8.45		6.73	9.68	

B FINAL

date 23-Jun-01 wind 1.8 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wagner, Marion (GER) (1978)	time		3.31	4.37	5.40		7.40		9.39		11.43	11.43	/ 1			
reaction time 0.234	interval			1.06	1.03		2.00		1.99		2.04		# of strides	4.37	3.03	
	velocity		6.04	9.43	9.71		10.00		10.05		9.80	8.75		6.86	9.90	
Richardson, Marcia (GBR) (1972)	time		3.24	4.31	5.34		7.36		9.40		11.46	11.46	/ 2			
reaction time 0.139	interval			1.07	1.03		2.02		2.04		2.06		# of strides	4.31	3.05	
	velocity		6.17	9.35	9.71		9.90		9.80		9.71	8.73		6.96	9.84	
Bartsevich, Yuliya (BLR) (1979)	time		3.44	4.51	5.55		7.61		9.72		11.46	11.46	/ 3			
reaction time 0.294	interval			1.07	1.04		2.06		2.11		1.74	PB	# of strides	4.51	3.10	
	velocity		5.81	9.35	9.62		9.71		9.48		11.49	8.73		6.65	9.68	

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

Ignatova, Natalya (RUS) (1973)	time	3.38	4.43	5.44	7.44	9.49	11.65	11.65	/ 4				
reaction time 0.307	interval		1.05	1.01	2.00	2.05	2.16		# of strides	4.43	3.01		
	velocity	5.92	9.52	9.90	10.00	9.76	9.26	8.58		6.77	9.97		
Anderson, Shani (GBR) (1975)	time	3.30	4.37	5.41	7.42	9.42	11.69	11.69	/ 5				
reaction time 0.117	interval		1.07	1.04	2.01	2.00	2.27		# of strides	4.37	3.05		
	velocity	6.06	9.35	9.62	9.95	10.00	8.81	8.55		6.86	9.84		
Sidibé, Odiah (FRA) (1970)	time	3.32	4.41	5.46	7.52	9.58	11.71	11.71	/ 6				
reaction time 0.119	interval		1.09	1.05	2.06	2.06	2.13		# of strides	4.41	3.11		
	velocity	6.02	9.17	9.52	9.71	9.71	9.39	8.54		6.80	9.65		
Combe, Delphine (FRA) (1974)	time	3.37	4.46	5.51	7.58	9.66	11.79	11.79	/ 7				
reaction time 0.124	interval		1.09	1.05	2.07	2.08	2.13		# of strides	4.46	3.12		
	velocity	5.93	9.17	9.52	9.66	9.62	9.39	8.48		6.73	9.62		
Cola, Francesca (ITA) (1973)	time	3.35	4.45	5.51	7.58	9.66	11.80	11.80	/ 8				
reaction time 0.164	interval		1.10	1.06	2.07	2.08	2.14		# of strides	4.45	3.13		
	velocity	5.97	9.09	9.43	9.66	9.62	9.35	8.47		6.74	9.58		

C FINAL

date 23-Jun-01 wind -0.2 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bangué, Frédérique (FRA) (1976)	time		3.22	4.27	5.29		7.28		9.34		11.44	11.44	/ 1			
reaction time 0.126	interval			1.05	1.02		1.99		2.06		2.10		# of strides	4.27	3.01	
	velocity		6.21	9.52	9.80		10.05		9.71		9.52	8.74		7.03	9.97	
Paschke, Melanie (GER) (1970)	time		3.24	4.30	5.33		7.36		9.39		11.48	11.48	/ 2			
reaction time 0.140	interval			1.06	1.03		2.03		2.03		2.09		# of strides	4.30	3.06	
	velocity		6.17	9.43	9.71		9.85		9.85		9.57	8.71		6.98	9.80	
Khabarova, Irina (RUS) (1966)	time		3.28	4.33	5.34		7.35		9.40		11.51	11.51	/ 3			
reaction time 0.143	interval			1.05	1.01		2.01		2.05		2.11		# of strides	4.33	3.02	
	velocity		6.10	9.52	9.90		9.95		9.76		9.48	8.69		6.93	9.93	
Salahub, Natallia (BLR) (1975)	time		3.29	4.36	5.40		7.46		9.58		11.75	11.75	/ 4			
reaction time 0.147	interval			1.07	1.04		2.06		2.12		2.17		# of strides	4.36	3.10	
	velocity		6.08	9.35	9.62		9.71		9.43		9.22	8.51		6.88	9.68	
Avramenka, Natallia (BLR) (1975)	time		3.30	4.37	5.40		7.45		9.55		11.76	11.76	/ 5			
reaction time 0.137	interval			1.07	1.03		2.05		2.10		2.21		# of strides	4.37	3.08	
	velocity		6.06	9.35	9.71		9.76		9.52		9.05	8.50		6.86	9.74	
Davies, Samantha (GBR) (1979)	time		3.31	4.39	5.44		7.52		9.62		11.77	11.77	/ 6			
reaction time 0.173	interval			1.08	1.05		2.08		2.10		2.15		# of strides	4.39	3.13	
	velocity		6.04	9.26	9.52		9.62		9.52		9.30	8.50		6.83	9.58	
Philipp, Andrea (GER) (1971)	time		3.31	4.42	5.50		7.62		9.79		11.98	11.98	/ 7			
reaction time 0.127	interval			1.11	1.08		2.12		2.17		2.19		# of strides	4.42	3.20	
	velocity		6.04	9.01	9.26		9.43		9.22		9.13	8.35		6.79	9.38	
Stankevich, Yekaterina (BLR) (19	time		3.40	4.50	5.56		7.65		9.81		12.04	12.04	/ 8			
reaction time 0.292	interval			1.10	1.06		2.09		2.16		2.23		# of strides	4.50	3.15	
	velocity		5.88	9.09	9.43		9.57		9.26		8.97	8.31		6.67	9.52	

2000 Olympic Games (Sydney, AUS)

FINAL

date 24-Sep-00 wind -0.4 m/s

Veney - Sydney 100m women's splits

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)	time	1.83		3.93		5.96	6.90	7.85		9.76	10.75	10.87	5 / ~~1~~			
reaction time 0.189	interval			2.10		2.03	0.94	0.95		1.91	0.99	DV	# of strides	3.93	2.97	2.86
	velocity	5.46		9.52		9.85	10.64	10.53		10.47	10.10	9.20		7.63	10.10	10.49
Thánou, Ekateríni (GRE) (1975)	time			4.05		6.12	7.15	8.14		10.09	11.12	11.12	4 / ~~2~~ 2			
reaction time 0.206	interval					2.07	1.03	0.99		1.95	1.03		# of strides	4.05	3.10	2.94
	velocity			7.41		9.66	9.71	10.10		10.26	9.71	8.99		7.41	9.68	10.20
Lawrence, Tayna (JAM) (1975)	time			3.97		6.08	7.12	8.15		10.15	11.18	11.18	1 / ~~3~~ 2			
reaction time 0.163	interval					2.11	1.04	1.03		2.00	1.03		# of strides	3.97	3.15	3.03
	velocity			7.56		9.48	9.62	9.71		10.00	9.71	8.94		7.56	9.52	9.90
Ottey, Merlene (JAM) (1960)	time			3.99		6.10	7.14	8.15		10.16	11.19	11.19	3 / ~~4~~ 3			
reaction time 0.179	interval					2.11	1.04	1.01		2.01	1.03		# of strides	3.99	3.15	3.02
	velocity			7.52		9.48	9.62	9.90		9.95	9.71	8.94		7.52	9.52	9.93
Block, Zhanna (UKR) (1972)	time			4.09		6.20	7.23	8.21		10.11	11.20	11.20	7 / ~~5~~ 4			
reaction time 0.223	interval					2.11	1.03	0.98		1.90	1.09		# of strides	4.09	3.14	2.88
	velocity			7.33		9.48	9.71	10.20		10.53	9.17	8.93		7.33	9.55	10.42

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

Sturrup, Chandra (BAH) (1971)	time		4.04		6.11	7.15	8.17		10.14	11.21	11.21	6 / ~~6~~ 5			
reaction time 0.193	interval				2.07	1.04	1.02		1.97	1.07		# of strides	4.04	3.11	2.99
	velocity		7.43		9.66	9.62	9.80		10.15	9.35	8.92		7.43	9.65	10.03
Fynes, Savatheda (BAH) (1974)	time		4.05		6.19	7.23	8.17		10.14	11.22	11.22	8 / ~~7~~ 6			
reaction time 0.253	interval				2.14	1.04	0.94		1.97	1.08		# of strides	4.05	3.18	2.91
	velocity		7.41		9.35	9.62	10.64		10.15	9.26	8.91		7.41	9.43	10.31
Ferguson, Debbie (BAH) (1976)	time		4.03		6.17	7.20	8.21		10.18	11.29	11.29	2 / ~~8~~ 7			
reaction time 0.238	interval				2.14	1.03	1.01		1.97	1.11		# of strides	4.03	3.17	2.98
	velocity		7.44		9.35	9.71	9.90		10.15	9.01	8.86		7.44	9.46	10.07

2000 ISTAF (Berlin, GER)

FINAL

date 01-Sep-00 wind 0.1 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)	time		3.05	4.05	5.02	5.96	6.90		8.80		10.78	10.78	/ ~~1~~			
reaction time 0.152	interval			1.00	0.97	0.94	0.94		1.90		1.98	DV	# of strides	4.05	2.85	
	velocity		6.56	10.00	10.31	10.64	10.64		10.53		10.10	9.28	48.7	7.41	10.53	
Fynes, Savatheda (BAH) (1974)	time		3.06	4.07	5.05		6.98				11.03	11.03	/ ~~2~~ 1			
reaction time 0.170	interval			1.01	0.98		1.93				4.05		# of strides	4.07	2.91	
	velocity		6.54	9.90	10.20		10.36				9.88	9.07		7.37	10.31	
Lawrence, Tayna (JAM) (1975)	time		3.11	4.14	5.14		7.11				11.07	11.07	/ ~~3~~ 2			
reaction time 0.185	interval			1.03	1.00		1.97				3.96	PB	# of strides	4.14	2.97	
	velocity		6.43	9.71	10.00		10.15				10.10	9.03		7.25	10.10	
Ferguson, Debbie (BAH) (1976)	time		3.16	4.19	5.19		7.15				11.15	11.15	/ ~~4~~ 3			
reaction time 0.176	interval			1.03	1.00		1.96				4.00		# of strides	4.19	2.96	
	velocity		6.33	9.71	10.00		10.20				10.00	8.97		7.16	10.14	
Gaines, Chryste (USA) (1970)	time		3.18	4.23	5.24		7.18				11.19	11.19	/ ~~5~~ 4			
reaction time 0.150	interval			1.05	1.01		1.94				4.01		# of strides	4.23	2.95	
	velocity		6.29	9.52	9.90		10.31				9.98	8.94		7.09	10.17	
Mani, Myriam (CMR) (1977)	time		3.10	4.12	5.10		7.06				11.24	11.24	/ ~~6~~ 5			
reaction time 0.151	interval			1.02	0.98		1.96				4.18		# of strides	4.12	2.94	
	velocity		6.45	9.80	10.20		10.20				9.57	8.90		7.28	10.20	
Philipp, Andrea (GER) (1971)	time		3.16	4.21	5.23		7.21		9.21		11.27	11.27	/ ~~7~~ 6			
reaction time 0.151	interval			1.05	1.02		1.98		2.00		2.06		# of strides	4.21	3.00	
	velocity		6.33	9.52	9.80		10.10		10.00		9.71	8.87	50.8	7.13	10.00	
Nku, Mercy (NGR) (1976)		no information available										11.39	/ ~~8~~ 7			

B FINAL

date 01-Sep-00 wind 0.1 m/s *Graubner (2009) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Pendareva, Petya (BUL) (1971)	time		3.10	4.15	5.17		7.16				11.30	11.30	/ 1			
reaction time 0.135	interval			1.05	1.02		1.99				4.14		# of strides	4.15	3.01	
	velocity		6.45	9.52	9.80		10.05				9.66	8.85		7.23	9.97	
Wagner, Marion (GER) (1978)	time		3.26	4.33	5.36		7.37				11.53	11.53	/ 2			
reaction time 0.183	interval			1.07	1.03		2.01				4.16		# of strides	4.33	3.04	
	velocity		6.13	9.35	9.71		9.95				9.62	8.67		6.93	9.87	
Mulrain, Sabrina (GER) (1978)	time		3.30	4.36	5.39		7.40				11.54	11.54	/ 3			
reaction time 0.192	interval			1.06	1.03		2.01				4.14	PB	# of strides	4.36	3.04	
	velocity		6.06	9.43	9.71		9.95				9.66	8.67		6.88	9.87	
Rockmeier, Gabi (GER) (1973)	time		3.30	4.37	5.40		7.41				11.57	11.57	/ 4			
reaction time 0.159	interval			1.07	1.03		2.01				4.16		# of strides	4.37	3.04	
	velocity		6.06	9.35	9.71		9.95				9.62	8.64		6.86	9.87	

2000 USA Olympic Trials (Sacramento, CA)

FINAL

date 15-Jul-00 wind -1.0 m/s *Lyle - miscellaneous coaching notes*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)	time	2.01		4.14		6.01	6.92			9.84	10.88	10.88	/ 1			
reaction time	interval			2.13		1.87	0.91			2.92	1.04		# of strides	4.14	2.78	2.92
	velocity	4.98		4.69		10.70	10.99			10.27	9.62	9.19		7.25	10.79	10.27
Miller, Inger (USA) (1972)	time	2.03		4.19		6.10	7.04			10.00	11.05	11.05	/ 2			
reaction time	interval			2.16		1.91	0.94			2.96	1.05		# of strides	4.19	2.85	2.96
	velocity	4.93		4.63		10.47	10.64			10.14	9.52	9.05		7.16	10.53	10.14

Gaines, Chryste (USA) (1970)	time	2.04	4.22	6.12	7.09	10.06	11.13	11.13	/ 3			
reaction time	interval		2.18	1.90	0.97	2.97	1.07		# of strides	4.22	2.87	2.97
	velocity	4.90	4.59	10.53	10.31	10.10	9.35	8.98		7.11	10.45	10.10
Edwards, Torri (USA) (1977)		no information available						11.15	/ 4			
Devers, Gail (USA) (1966)		no information available						11.15	/ 5			
Perry, Nanceen (USA) (1977)		no information available						11.18	/ 6			
Guidry, Carlette (USA) (1968)		no information available						11.22	/ 7			
Richardson, Passion (USA) (1975)		no information available						11.32	/ 8			

1999 IAAF World Championships (Sevilla, ESP)

FINAL date 22-Aug-99 wind -0.1 m/s *Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)		time	1.83	2.93	3.92	4.87	5.81	6.73	7.67	8.63	9.60	10.58	10.70	5 / 1			
reaction time	0.120	interval		1.10	0.99	0.95	0.94	0.92	0.94	0.96	0.97	0.98	CR / PB	# of strides	3.92	2.81	2.87
		velocity	5.46	9.09	10.10	10.53	10.64	10.87	10.64	10.42	10.31	10.20	9.35		7.65	10.68	10.45
Miller, Inger (USA) (1972)		time	1.83	2.94	3.97	4.93	5.87	6.81	7.76	8.72	9.69	10.66	10.79	3 / 2			
reaction time	0.129	interval		1.11	1.03	0.96	0.94	0.94	0.95	0.96	0.97	0.97	PB	# of strides	3.97	2.84	2.88
		velocity	5.46	9.01	9.71	10.42	10.64	10.64	10.53	10.42	10.31	10.31	9.27		7.56	10.56	10.42
Thánou, Ekateríni (GRE) (1975)		time	1.89	3.00	4.01	4.96	5.89	6.84	7.79	8.74	9.72	10.72	10.84	4 / 3			
reaction time	0.116	interval		1.11	1.01	0.95	0.93	0.95	0.95	0.95	0.98	1.00		# of strides	4.01	2.83	2.88
		velocity	5.29	9.01	9.90	10.53	10.75	10.53	10.53	10.53	10.20	10.00	9.23		7.48	10.60	10.42
Tamopolskaya-Pintusevich, Zhan		time	1.83	2.94	3.96	4.94	5.90	6.86	7.82	8.79	9.78	10.82	10.95	1 / 4			
reaction time	0.135	interval		1.11	1.02	0.98	0.96	0.96	0.96	0.97	0.99	1.04		# of strides	3.96	2.90	2.92
		velocity	5.46	9.01	9.80	10.20	10.42	10.42	10.42	10.31	10.10	9.62	9.13		7.58	10.34	10.27
Devers, Gail (USA) (1966)		time	1.84	2.94	3.94	4.93	5.87	6.84	7.82	8.79	9.79	10.83	10.95	6 / 5			
reaction time	0.125	interval		1.10	1.00	0.99	0.94	0.97	0.98	0.97	1.00	1.04		# of strides	3.94	2.90	2.95
		velocity	5.43	9.09	10.00	10.10	10.64	10.31	10.20	10.31	10.00	9.62	9.13		7.61	10.34	10.17
Arron, Christine (FRA) (1973)		time	1.84	2.96	3.95	4.93	5.89	6.84	7.80	8.78	9.79	10.81	10.97	2 / 6			
reaction time	0.162	interval		1.12	0.99	0.98	0.96	0.95	0.96	0.98	1.01	1.02		# of strides	3.95	2.89	2.95
		velocity	5.43	8.93	10.10	10.20	10.42	10.53	10.42	10.20	9.90	9.80	9.12		7.59	10.38	10.17
Sturrup, Chandra (BAH) (1971)		time	1.86	2.99	4.00	5.00	5.98	6.94	7.92	8.91	9.91	10.93	11.06	7 / 7			
reaction time	0.134	interval		1.13	1.01	1.00	0.98	0.96	0.98	0.99	1.00	1.02		# of strides	4.00	2.94	2.97
		velocity	5.38	8.85	9.90	10.00	10.20	10.42	10.20	10.10	10.00	9.80	9.04		7.50	10.20	10.10
Nku, Mercy (NGR) (1976)		time	1.85	2.96	3.99	4.99	5.96	6.93	7.93	8.94	9.96	11.01	11.16	8 / 8			
reaction time	0.152	interval		1.11	1.03	1.00	0.97	0.97	1.00	1.01	1.02	1.05		# of strides	3.99	2.94	3.03
		velocity	5.41	9.01	9.71	10.00	10.31	10.31	10.00	9.90	9.80	9.52	8.96		7.52	10.20	9.90

1999 NCAA Indoor Championships (Indianapolis, IN)

FINAL date 06-Mar-99 *Winckler (2008) - running parameters*

			10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ferguson, Debbie (BAH) (1976)		time			4.22			7.24	7.24	6 / 1			
reaction time		interval						3.02	PB	# of strides	4.22	3.02	
		velocity			7.11			9.93	8.29	31.5	7.11	9.93	
Backus, LaKeisha (USA) (1976)		time			4.23			7.31	7.31	3 / 2			
reaction time		interval						3.08		# of strides	4.23	3.08	
		velocity			7.09			9.74	8.21	35	7.09	9.74	
Lawrence, Tayna (JAM) (1975)		time			4.27			7.31	7.31	5 / 3			
reaction time		interval						3.04		# of strides	4.27	3.04	
		velocity			7.03			9.87	8.21		7.03	9.87	
Perry, Nanceen (USA) (1977)		time			4.28			7.38	7.38	1 / 4			
reaction time		interval						3.10		# of strides	4.28	3.10	
		velocity			7.01			9.68	8.13	32.5	7.01	9.68	
White, Kelli (USA) (1977)		time			4.28			7.42	7.42	2 / 5			
reaction time		interval						3.14		# of strides	4.28	3.14	
		velocity			7.01			9.55	8.09	31	7.01	9.55	
Richards, Kerry Ann (JAM) (1976		time			4.33			7.44	7.44	7 / 6			
reaction time		interval						3.11		# of strides	4.33	3.11	
		velocity			6.93			9.65	8.06	31.5	6.93	9.65	
Latimer, Aleisha (USA) (1979)		time			4.37			7.46	7.46	8 / 7			
reaction time		interval						3.09		# of strides	4.37	3.09	
		velocity			6.86			9.71	8.04	30.5	6.86	9.71	

Dowdie, Peta-Gaye (JAM) (1977) no information available **DQ** 4 / --

1997 IAAF World Championships (Athens, GRE)

FINAL date 03-Aug-97 wind 0.4 m/s *Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jones, Marion (USA) (1975)		time	1.81	2.92	3.94	4.91	5.86	6.80	7.75	8.70	9.67	10.66	10.83	3 / 1			
reaction time	0.160	interval		1.11	1.02	0.97	0.95	0.94	0.95	0.95	0.97	0.99	PB	# of strides	3.94	2.86	2.87
		velocity	5.52	9.01	9.80	10.31	10.53	10.64	10.53	10.53	10.31	10.10	9.23	47.5	7.61	10.49	10.45
Tamopolskaya-Pintusevich, Zhan		time	1.86	2.98	3.99	4.96	5.90	6.84	7.78	8.74	9.72	10.72	10.85	5 / 2			
reaction time	0.130	interval		1.12	1.01	0.97	0.94	0.94	0.94	0.96	0.98	1.00	NR	# of strides	3.99	2.85	2.88
		velocity	5.38	8.93	9.90	10.31	10.64	10.64	10.64	10.42	10.20	10.00	9.22	49.8	7.52	10.53	10.42
Fynes, Savatheda (BAH) (1974)	0.18	no information available										PB	11.03	1 / 3	# of strides		48.6
Arron, Christine (FRA) (1973)		time	1.89	3.04	4.06	5.04	6.00	6.95	7.91	8.88	9.87	10.88	11.05	4 / 4			
reaction time	0.165	interval		1.15	1.02	0.98	0.96	0.95	0.96	0.97	0.99	1.01		# of strides	4.06	2.89	2.92
		velocity	5.29	8.70	9.80	10.20	10.42	10.53	10.42	10.31	10.10	9.90	9.05	45.2	7.39	10.38	10.27
Miller, inger (USA) (1972)		time	1.88	3.03	4.08	5.08	6.06	7.03	8.01	9.01	10.02	11.06	11.18	7/ 5			
reaction time	0.117	interval		1.15	1.05	1.00	0.98	0.97	0.98	1.00	1.01	1.04		# of strides	4.08	2.95	2.99
		velocity	5.32	8.70	9.52	10.00	10.20	10.31	10.20	10.00	9.90	9.62	8.94	50.2	7.35	10.17	10.03
Paschke, Melanie (GER) (1970)		time	1.89	3.03	4.07	5.07	6.05	7.03	8.01	9.01	10.02	11.05	11.19	2 / 6			
reaction time	0.138	interval		1.14	1.04	1.00	0.98	0.98	0.98	1.00	1.01	1.03		# of strides	4.07	2.96	2.99
		velocity	5.29	8.77	9.62	10.00	10.20	10.20	10.20	10.00	9.90	9.71	8.94	51.3	7.37	10.14	10.03
Ottey, Merlene (JAM) (1960)		time	1.89	3.02	4.03	5.01	5.97	6.94	7.91	8.91	9.95	11.15	11.29	6 / 7			
reaction time	0.139	interval		1.13	1.01	0.98	0.96	0.97	0.97	1.00	1.04	1.20		# of strides	4.03	2.91	3.01
		velocity	5.29	8.85	9.90	10.20	10.42	10.31	10.31	10.00	9.62	8.33	8.86	46.9	7.44	10.31	9.97
Gaines, Chryste (USA) (1970)	0.14	no information available											11.32	8 / 8	# of strides		51.1

1997 German National Championships (Frankfurt, GER)

FINAL date 28-Jun-97 wind 1.2 m/s *Grosser (2007) - Schnelligkeitsairtraining*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Paschke, Melanie (GER) (1970)		time	1.98	3.12	4.15	5.16	6.16	7.14	8.14	9.14	10.15	11.18	11.18	/ 1			
reaction time		interval		1.14	1.03	1.01	1.00	0.98	1.00	1.00	1.01	1.03		# of strides	4.15	2.99	3.01
		velocity	5.05	8.77	9.71	9.90	10.00	10.20	10.00	10.00	9.90	9.71	8.94		7.23	10.03	9.97

1997 European Cup (Munich, GER)

FINAL date 21-Jun-97 wind 0.6 m/s *Jung (2003) - http://www.fgs.uni-halle.de*

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Voronova, Natalya (RUS) (1965)		time	2.08		4.28			7.23		9.20		11.18	11.18	/ 1			
reaction time		interval			2.20			2.95		1.97		1.98		# of strides	4.28	2.95	
		velocity	4.81		4.67			10.17		10.15		10.10	8.94		7.01	10.17	
Philipp, Andrea (GER) (1971)		time	2.01		4.25			7.22		9.21		11.23	11.23	/ 2			
reaction time		interval			2.24			2.97		1.99		2.02		# of strides	4.25	2.97	
		velocity	4.98		4.71			10.10		10.05		9.90	8.90		7.06	10.10	
Safronnikova, Natallia (BLR) (197		time	2.07		4.29			7.28		9.32		11.41	11.41	/ 3			
reaction time		interval			2.22			2.99		2.04		2.09		# of strides	4.29	2.99	
		velocity	4.83		4.66			10.03		9.80		9.57	8.76		6.99	10.03	
Bangué, Frédérique (FRA) (1976)		time	2.17		4.34			7.34		9.39		11.48	11.48	/ 4			
reaction time		interval			2.17			3.00		2.05		2.09		# of strides	4.34	3.00	
		velocity	4.61		4.61			10.00		9.76		9.57	8.71		6.91	10.00	
Jacobs, Simmone (GBR) (1966)		time	2.03		4.35			7.40		9.45		11.55	11.55	/ 5			
reaction time		interval			2.32			3.05		2.05		2.10		# of strides	4.35	3.05	
		velocity	4.93		4.60			9.84		9.76		9.52	8.66		6.90	9.84	
Levorato, Manuela (ITA) (1977)		time	2.20		4.45			7.54		9.62		11.74	11.74	/ 6			
reaction time		interval			2.25			3.09		2.08		2.12		# of strides	4.45	3.09	
		velocity	4.55		4.49			9.71		9.62		9.43	8.52		6.74	9.71	
Fomenko, Viktoriya (UKR) (1970)		time	2.11		4.37			7.50		9.61		11.76	11.76	/ 7			
reaction time		interval			2.26			3.13		2.11		2.15		# of strides	4.37	3.13	
		velocity	4.74		4.58			9.58		9.48		9.30	8.50		6.86	9.58	
Niculae, Erica (ROU) (1973)		time	2.13		4.41			7.56		9.70		11.89	11.89	/ 8			
reaction time		interval			2.28			3.15		2.14		2.19		# of strides	4.41	3.15	
		velocity	4.69		4.54			9.52		9.35		9.13	8.41		6.80	9.52	

1997 Sparkasse (Dortmund, GER)

FINAL date 08-Jun-97 wind 1.1 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Philipp, Andrea (GER) (1971)	time	1.99		4.19			7.11		9.06		11.05	11.05	/ 1			
reaction time	interval			2.20			2.92		1.95		1.99	PB	# of strides	4.19	2.92	
	velocity	5.03		9.09			10.27		10.26		10.05	9.05		7.16	10.27	

1996 Olympic Games (Atlanta, GA)

FINAL date 27-Jul-96 wind -0.7 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Devers, Gail (USA) (1966)	0.166	no information available										10.94	3 / 1			
Ottey, Merlene (JAM) (1960)	0.166	no information available										10.94	4 / 2			
Torrence, Gwen (USA) (1965)	0.151	no information available										10.96	6 / 3			
Sturrup, Chandra (BAH) (1971)	0.176	no information available										11.00	8 / 4			
Trandenkova, Marina (RUS) (1967	0.151	no information available										11.06	2 / 5			
Voronova, Natalya (RUS) (1965)	0.133	no information available										11.10	1 / 6			
Onyali, Mary (NGR) (1968)	0.174	no information available										11.13	5 / 7			
Pintusevich, Zhanna (UKR) (1972	0.176	no information available										11.14	7 / 8			

Semi-Final 1 date 01-Aug-96 wind 0.4 m/s *Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ottey, Merlene (JAM) (196 0.176	time	1.99	3.15	4.19	5.17	6.12	7.06	8.00	8.94	9.92	10.93	10.93	4 / 1			
reaction time	interval		1.16	1.04	0.98	0.95	0.94	0.94	0.94	0.98	1.01		# of strides	4.19	2.87	2.86
	velocity	5.03	8.62	9.62	10.20	10.53	10.64	10.64	10.64	10.20	9.90	9.15		7.16	10.45	10.49

1996 USATF National Junior Championships (Delaware, OH)

FINAL date 28-Jun-96 wind 0.5 m/s *USATF Women's Sprint Development (1996)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wright, Jernae (USA) (1978)	time	2.13		4.39		6.30	7.30			10.35	11.54	11.54	6 / 1			
reaction time	interval			2.26		1.91	1.00			3.05	1.19		# of strides	4.39	2.91	3.05
	velocity	4.69		8.85		10.47	10.00			9.84	8.40	8.67		6.83	10.31	9.84
White, Lakeesha (USA) (1980)	time	2.17		4.39		6.29	7.27			10.36	11.56	11.56	5 / 2			
reaction time	interval			2.22		1.90	0.98			3.09	1.20		# of strides	4.39	2.88	3.09
	velocity	4.61		9.01		10.53	10.20			9.71	8.33	8.65		6.83	10.42	9.71
Anderson, Andrea (USA) (1977)	time	2.20		4.40		6.28	7.29			10.42	11.64	11.64	3 / 3			
reaction time	interval			2.20		1.88	1.01			3.13	1.22		# of strides	4.40	2.89	3.13
	velocity	4.55		9.09		10.64	9.90			9.58	8.20	8.59		6.82	10.38	9.58
Jones, Shakedia (USA) (1979)	time	2.13		4.36		6.27	7.27			10.49	11.71	11.71	4 / 4			
reaction time	interval			2.23		1.91	1.00			3.22	1.22		# of strides	4.36	2.91	3.22
	velocity	4.69		8.97		10.47	10.00			9.32	8.20	8.54		6.88	10.31	9.32
Perry, Nanceen (USA) (1977)	time	2.16		4.43		6.36	7.36			10.49	11.71	11.71	8 / 5			
reaction time	interval			2.27		1.93	1.00			3.13	1.22		# of strides	4.43	2.93	3.13
	velocity	4.63		8.81		10.36	10.00			9.58	8.20	8.54		6.77	10.24	9.58
Green, Francesca (USA) (1977)	time	2.13		4.44		6.37	7.40			10.53	11.76	11.76	1 / 6			
reaction time	interval			2.31		1.93	1.03			3.13	1.23		# of strides	4.44	2.96	3.13
	velocity	4.69		8.66		10.36	9.71			9.58	8.13	8.50		6.76	10.14	9.58
White, Kelli (USA) (1977)	time	2.08		4.41		6.35	7.40			10.56	11.77	11.77	2 / 7			
reaction time	interval			2.33		1.94	1.05			3.16	1.21		# of strides	4.41	2.99	3.16
	velocity	4.81		8.58		10.31	9.52			9.49	8.26	8.50		6.80	10.03	9.49

1996 German National Championships (Köln, GER)

FINAL date 21-Jun-96 wind 0.6 m/s *Graubner (2007) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Paschke, Melanie (GER) (1970)	time	2.03		4.19			7.11		9.05		11.06	11.06	/ 1			
reaction time	interval			2.16			2.92		1.94		2.01		# of strides	4.19	2.92	
	velocity	4.93		9.26			10.27		10.31		9.95	9.04		7.16	10.27	

1996 USA Olympic Trials (Atlanta, GA)

FINAL date 15-Jun-96 wind 1.1 m/s *USATF Women's Sprint Development (1996)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Torrence, Gwen (USA) (1965)	time	1.90		4.12		5.99				9.73	10.82	10.82	4 / 1			
reaction time	interval			2.22		1.87				3.74	1.09	PB	# of strides	4.12		
	velocity	5.26		9.01		10.70				10.70	9.17	9.24	49.5	7.28		
Devers, Gail (USA) (1966)	time	1.89		4.10		5.98				9.85	10.91	10.91	3 / 2			
reaction time	interval			2.21		1.88				3.87	1.06		# of strides	4.10		
	velocity	5.29		9.05		10.64				10.34	9.43	9.17	48.5	7.32		

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

Hill, D'Andre (USA) (1973)	time	1.94		4.16		6.03				9.88	10.92	10.92	6 / 3	
reaction time	interval			2.22		1.87				3.85	1.04	PB	# of strides	4.16
	velocity	5.15		9.01		10.70				10.39	9.62	9.16	49.5	7.21
Miller, Inger (USA) (1972)	time	1.94		4.20		6.11				9.90	10.96	10.96	8 / 4	
reaction time	interval			2.26		1.91				3.79	1.06	PB	# of strides	4.20
	velocity	5.15		8.85		10.47				10.55	9.43	9.12	49.5	7.14
Gaines, Chryste (USA) (1970)	time	1.94		4.19		6.06				9.93	10.96	10.96	5 / 5	
reaction time	interval			2.25		1.87				3.87	1.03	PB	# of strides	4.19
	velocity	5.15		8.89		10.70				10.34	9.71	9.12	50.0	7.16
Young, Dannette (USA) (1964)	time	1.97		4.26		6.06				10.00	11.06	11.06	7 / 6	
reaction time	interval			2.29		1.80				3.94	1.06	=PB	# of strides	4.26
	velocity	5.08		8.73		11.11				10.15	9.43	9.04	51.5	7.04
Guidry, Carlette (USA) (1968)	time	1.99		4.23		6.12				10.03	11.07	11.07	2 / 7	
reaction time	interval			2.24		1.89				3.91	1.04		# of strides	4.23
	velocity	5.03		8.93		10.58				10.23	9.62	9.03	47.0	7.09
Taplin, Cheryl (USA) (1972)	time	1.96		4.22		6.12				10.10	11.11	11.11	1 / 8	
reaction time	interval			2.26		1.90				3.98	1.01		# of strides	4.22
	velocity	5.10		8.85		10.53				10.05	9.90	9.00	50.5	7.11

Semi-Final 2

date 15-Jun-96 wind 0.2 m/s *USATF Women's Sprint Development (1996)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Torrence, Gwen (USA) (1965)	time	2.04		4.19		6.08				9.93	10.98	10.98	4 / 1			
reaction time	interval			2.15		1.89				3.85	1.05		# of strides	4.19		
	velocity	4.90		9.30		10.58				10.39	9.52	9.11	49.3	7.16		
Gaines, Chryste (USA) (1970)	time	2.00		4.22		6.10				10.00	11.02	11.02	5 / 2			
reaction time	interval			2.22		1.88				3.90	1.02	=PB	# of strides	4.22		
	velocity	5.00		9.01		10.64				10.26	9.80	9.07	47.8	7.11		
Miller, Inger (USA) (1972)	time	2.04		4.22		6.16				10.07	11.10	11.10	3 / 3			
reaction time	interval			2.18		1.94				3.91	1.03		# of strides	4.22		
	velocity	4.90		9.17		10.31				10.23	9.71	9.01	50.0	7.11		
Taplin, Cheryl (USA) (1972)	time	2.06		4.24		6.16				10.10	11.19	11.19	7 / 4			
reaction time	interval			2.18		1.92				3.94	1.09		# of strides	4.24		
	velocity	4.85		9.17		10.42				10.15	9.17	8.94	51.5	7.08		
Mondie-Milner, Celena (USA) (19	time	2.09		4.27		6.20				10.11	11.19	11.19	6 / 5			
reaction time	interval			2.18		1.93				3.91	1.08		# of strides	4.27		
	velocity	4.78		9.17		10.36				10.23	9.26	8.94	50.5	7.03		
Jett, Kisha (USA) (1975)	time	2.10		4.30		6.29				10.28	11.38	11.38	8 / 6			
reaction time	interval			2.20		1.99				3.99	1.10		# of strides	4.30		
	velocity	4.76		9.09		10.05				10.03	9.09	8.79	51.5	6.98		
Ball, Juan (USA) (1972)	time	2.02		4.22		6.24				10.30	11.39	11.39	1 / 7			
reaction time	interval			2.20		2.02				4.06	1.09		# of strides	4.22		
	velocity	4.95		9.09		9.90				9.85	9.17	8.78	49.3	7.11		
Hyche, Holli (USA) (1971)	time	2.07		4.24		6.20				10.29	11.41	11.41	2 / 8			
reaction time	interval			2.17		1.96				4.09	1.12		# of strides	4.24		
	velocity	4.83		9.22		10.20				9.78	8.93	8.76	48.8	7.08		

Semi-Final 1

date 15-Jun-96 wind 1,1 m/s *USATF Women's Sprint Development (1996)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hill, D'Andre (USA) (1973)	time	1.95		4.05		6.09				9.96	10.97	10.97	5 / 1			
reaction time	interval			2.10		2.04				3.87	1.01		# of strides	4.05		
	velocity	5.13		9.52		9.80				10.34	9.90	9.12	51.3	7.41		
Devers, Gail (USA) (1966)	time	1.96		4.04		6.04				9.96	10.98	10.98	3 / 2			
reaction time	interval			2.08		2.00				3.92	1.02		# of strides	4.04		
	velocity	5.10		9.62		10.00				10.20	9.80	9.11	48.8	7.43		
Guidry, Carlette (USA) (1968)	time	2.08		4.03		6.17				10.06	11.06	11.06	4 / 3			
reaction time	interval			1.95		2.14				3.89	1.00		# of strides	4.03		
	velocity	4.81		10.26		9.35				10.28	10.00	9.04	47.5	7.44		
Young, Dannette (USA) (1964)	time	1.97		4.18		6.21				10.07	11.06	11.06	6 / 4			
reaction time	interval			2.21		2.03				3.86	0.99	PB	# of strides	4.18		
	velocity	5.08		9.05		9.85				10.36	10.10	9.04	52.0	7.18		

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

Feagin, Zundra (USA) (1973)	time	2.21	4.30	6.30	10.26	11.26	11.26	1 / 5		
reaction time	interval		2.09	2.00	3.96	1.00		# of strides	4.30	
	velocity	4.52	9.57	10.00	10.10	10.00	8.88	51.8	6.98	
Echols, Sheila (USA) (1964)	time	2.00	4.13	6.20	10.24	11.30	11.30	8 / 6		
reaction time	interval		2.13	2.07	4.04	1.06		# of strides	4.13	
	velocity	5.00	9.39	9.66	9.90	9.43	8.85	50.0	7.26	
Burkett, Aspen (USA) (1976)	time	2.12	4.33	6.44	10.38	11.45	11.45	7 / 7		
reaction time	interval		2.21	2.11	3.94	1.07		# of strides	4.33	
	velocity	4.72	9.05	9.48	10.15	9.35	8.73	50.5	6.93	
Kelly, Sabrina (USA) (1975)	time	2.05	4.31	6.31	10.39	11.55	11.55	2 / 8		
reaction time	interval		2.26	2.00	4.08	1.16		# of strides	4.31	
	velocity	4.88	8.85	10.00	9.80	8.62	8.66	53.0	6.96	

1996 International French Indoor Championships (Bercy, FRA)

FINAL

date 10-Feb-96

Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
Sidibé, Odiah (FRA) (1970)	time	2.06	3.20	4.27	5.24	6.25	7.25	7.25	/ 1		
reaction time	interval		1.14	1.07	0.97	1.01	1.00		# of strides	4.27	2.98
	velocity	4.85	8.77	9.35	10.31	9.90	10.00	8.28		7.03	10.07
Rakotondrabe, Hanitriniana (MA	time	2.08	3.24	4.28	5.29	6.30	7.31	7.31	/ 2		
reaction time	interval		1.16	1.04	1.01	1.01	1.01		# of strides	4.28	3.03
	velocity	4.81	8.62	9.62	9.90	9.90	9.90	8.21		7.01	9.90
Dogbo, Marie-Joëlle (FRA) (1975	time	2.09	3.26	4.32	5.35	6.37	7.39	7.39	/ 3		
reaction time	interval		1.17	1.06	1.03	1.02	1.02		# of strides	4.32	3.07
	velocity	4.78	8.55	9.43	9.71	9.80	9.80	8.12		6.94	9.77
Droual, Laurence (FRA) (1971)	time	2.02	3.19	4.26	5.30	6.37	7.43	7.43	/ 4		
reaction time	interval		1.17	1.07	1.04	1.07	1.06		# of strides	4.26	3.17
	velocity	4.95	8.55	9.35	9.62	9.35	9.43	8.08		7.04	9.46
Dia, N'Deye Binta (SEN) (1973)	time	2.06	3.24	4.31	5.36	6.42	7.46	7.46	/ 5		
reaction time	interval		1.18	1.07	1.05	1.06	1.04		# of strides	4.31	3.15
	velocity	4.85	8.47	9.35	9.52	9.43	9.62	8.04		6.96	9.52
Singa, Odile (FRA) (1967)	time	2.05	3.24	4.30	5.36	6.40	7.47	7.47	/ 6		
reaction time	interval		1.19	1.06	1.06	1.04	1.07		# of strides	4.30	3.17
	velocity	4.88	8.40	9.43	9.43	9.62	9.35	8.03		6.98	9.46

Heat 2

date 10-Feb-96

Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
Sidibé, Odiah (FRA) (1970)	time	2.12	3.26	4.30	5.31	6.31	7.31	7.31	/ 1		
reaction time	interval		1.14	1.04	1.01	1.00	1.00		# of strides	4.30	3.01
	velocity	4.72	8.77	9.62	9.90	10.00	10.00	8.21		6.98	9.97
Droual, Laurence (FRA) (1971)	time	2.01	3.18	4.24	5.29	6.34	7.43	7.43	/ 2		
reaction time	interval		1.17	1.06	1.05	1.05	1.09		# of strides	4.24	3.19
	velocity	4.98	8.55	9.43	9.52	9.52	9.17	8.08		7.08	9.40
Singa, Odile (FRA) (1967)	time	2.04	3.22	4.29	5.35	6.39	7.46	7.46	/ 3		
reaction time	interval		1.18	1.07	1.06	1.04	1.07		# of strides	4.29	3.17
	velocity	4.90	8.47	9.35	9.43	9.62	9.35	8.04		6.99	9.46
Dia, N'Deye Binta (SEN) (1973)	time	2.10	3.28	4.35	5.39	6.43	7.47	7.47	/ 4		
reaction time	interval		1.18	1.07	1.04	1.04	1.04		# of strides	4.35	3.12
	velocity	4.76	8.47	9.35	9.62	9.62	9.62	8.03		6.90	9.62
Faulon, Marie-Noëlle (FRA) (1971	time	2.10	3.28	4.34	5.38	6.42	7.50	7.50	/ 5		
reaction time	interval		1.18	1.06	1.04	1.04	1.08		# of strides	4.34	3.16
	velocity	4.76	8.47	9.43	9.62	9.62	9.26	8.00		6.91	9.49

Heat 1

date 10-Feb-96

Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
Rakotondrabe, Hanitriniana (MA	time	2.02	3.27	4.34	5.36	6.37	7.40	7.40	/ 1		
reaction time	interval		1.25	1.07	1.02	1.01	1.03		# of strides	4.34	3.06
	velocity	4.95	8.00	9.35	9.80	9.90	9.71	8.11		6.91	9.80
Dogbo, Marie-Joëlle (FRA) (1975	time	2.02	3.28	4.35	5.39	6.40	7.43	7.43	/ 2		
reaction time	interval		1.26	1.07	1.04	1.01	1.03		# of strides	4.35	3.08
	velocity	4.95	7.94	9.35	9.62	9.90	9.71	8.08		6.90	9.74

Nana, Lynda (FRA) (1978)	time	1.99	3.25	4.32	5.38	6.43	7.48			7.48	/ 3		
reaction time	interval		1.26	1.07	1.06	1.05	1.05				# of strides	4.32	3.16
	velocity	5.03	7.94	9.35	9.43	9.52	9.52			8.02		6.94	9.49
Fermely, Francette (FRA) (1969)	time	2.01	3.28	4.36	5.42	6.47	7.52			7.52	/ 4		
reaction time	interval		1.27	1.08	1.06	1.05	1.05				# of strides	4.36	3.16
	velocity	4.98	7.87	9.26	9.43	9.52	9.52			7.98		6.88	9.49
Allen, Liliana (CUB) (1970)	time	2.00	3.28	4.36	5.43	6.47	7.53			7.53	/ 5		
reaction time	interval		1.28	1.08	1.07	1.04	1.06				# of strides	4.36	3.17
	velocity	5.00	7.81	9.26	9.35	9.62	9.43			7.97		6.88	9.46
Polin-Fokoua, Nathalie (FRA) (19	time	2.17	3.38	4.47	5.56	6.60	7.68			7.68	/ 6		
reaction time	interval		1.21	1.09	1.09	1.04	1.08				# of strides	4.47	3.21
	velocity	4.61	8.26	9.17	9.17	9.62	9.26			7.81		6.71	9.35

1995 IAAF World Championships (Göteborg, SWE)

FINAL

date 07-Aug-95 wind 0.9 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Torrence, Gwen (USA) (1965)	0.135	no information available										10.85	5 / 1		# of strides	49.5
Ottey, Merlene (JAM) (1960)	0.145	no information available										10.94	3 / 2		# of strides	46.7
Privalova, Irina (RUS) (1968)	0.233	no information available										10.96	7 / 3		# of strides	48.5
Guidry, Carlette (USA) (1968)	0.193	no information available										11.07	4 / 4		# of strides	46.2
Pintusevich, Zhanna (UKR) (1972	0.127	no information available										11.07	2 / 5		# of strides	50.2
Paschke, Melanie (GER) (1970)	0.141	no information available										11.10	6 / 6		# of strides	51.2
Onyali, Mary (NGR) (1968)	0.128	no information available										11.15	1 / 7		# of strides	47.5
Cuthbert, Juliet (JAM) (1964)	0.143	no information available										11.44	8 / 8		# of strides	50.7

1995 USATF National Championships (Sacramento, CA)

FINAL

date 16-Jun-95 wind 0.0 m/s

Lyle - miscellaneous coaching notes

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Torrence, Gwen (USA) (1965)	time	1.91	3.15	4.17	5.18	6.08	7.06	8.00	8.95	9.98	11.03	11.04	3 / 1			
reaction time	interval		1.24	1.02	1.01	0.90	0.98	0.94	0.95	1.03	1.05		# of strides	4.17	2.89	2.92
	velocity	5.24	8.06	9.80	9.90	11.11	10.20	10.64	10.53	9.71	9.52	9.06		7.19	10.38	10.27
Guidry, Carlette (USA) (1968)	time	1.92	3.15	4.18	5.19	6.14	7.12	8.08	9.08	10.08	11.12	11.12	6 / 2			
reaction time	interval		1.23	1.03	1.01	0.95	0.98	0.96	1.00	1.00	1.04		# of strides	4.18	2.94	2.96
	velocity	5.21	8.13	9.71	9.90	10.53	10.20	10.42	10.00	10.00	9.62	8.99		7.18	10.20	10.14
Mondie-Milner, Celena (USA) (19	time	1.98	3.14	4.18	5.19	6.14	7.15	8.13	9.14	10.17	11.22	11.22	5 / 3			
reaction time	interval		1.16	1.04	1.01	0.95	1.01	0.98	1.01	1.03	1.05		# of strides	4.18	2.97	3.02
	velocity	5.05	8.62	9.62	9.90	10.53	9.90	10.20	9.90	9.71	9.52	8.91		7.18	10.10	9.93
Hill, D'Andre (USA) (1973)	time					6.25	7.28	8.25	9.23	10.25	11.34	11.34	8 / 4			
reaction time	interval						1.03	0.97	0.98	1.02	1.09		# of strides			2.97
	velocity					8.00	9.71	10.31	10.20	9.80	9.17	8.82				10.10
Gaines, Chryste (USA) (1970)	time	1.94	3.18	4.26	5.28	6.30	7.31	8.33	9.35	10.37	11.45	11.45	4 / 5			
reaction time	interval		1.24	1.08	1.02	1.02	1.01	1.02	1.02	1.02	1.08		# of strides	4.26	3.05	3.06
	velocity	5.15	8.06	9.26	9.80	9.80	9.90	9.80	9.80	9.80	9.26	8.73		7.04	9.84	9.80
Kelly, Sabrina (USA) (1975)	time	1.92	3.15	4.21	5.22	6.23	7.26	8.28	9.35	10.38	11.47	11.47	2 / 6			
reaction time	interval		1.23	1.06	1.01	1.01	1.03	1.02	1.07	1.03	1.09		# of strides	4.21	3.05	3.12
	velocity	5.21	8.13	9.43	9.90	9.90	9.71	9.80	9.35	9.71	9.17	8.72		7.13	9.84	9.62
Taplin, Cheryl (USA) (1972)	time	1.95	3.18	4.24	5.25	6.27	7.28	8.28	9.35	10.37	11.48	11.62	7 / 7			
reaction time	interval		1.23	1.06	1.01	1.02	1.01	1.00	1.07	1.02	1.11		# of strides	4.24	3.04	3.09
	velocity	5.13	8.13	9.43	9.90	9.80	9.90	10.00	9.35	9.80	9.01	8.61		7.08	9.87	9.71

1994 Italian National Championships (Naples, ITA)

FINAL

date ??? wind ???

Locatelli (2000) - the mechanics and energetics of the 100m sprint (in Jarver (ed.), sprints and hurdles (2000))

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gallina, Giada (ITA) (1973)	time	1.92	3.20	4.28	5.31	6.30	7.31				11.65	11.65	???			
reaction time	interval		1.28	1.08	1.03	0.99	1.01				4.34		# of strides	4.28	3.03	
	velocity	5.21	7.81	9.26	9.71	10.10	9.90				9.22	8.58		7.01	9.90	
Ardissone, Laura (ITA) (1969)	time	1.98	3.29	4.39	5.40	6.44	7.46				11.77	11.77	???			
reaction time	interval		1.31	1.10	1.01	1.04	1.02				4.31		# of strides	4.39	3.07	
	velocity	5.05	7.63	9.09	9.90	9.62	9.80				9.28	8.50		6.83	9.77	
Farina, Rossella (ITA) (1974)	time	1.98	3.29	4.35	5.37	6.37	7.36				11.85	11.85	???			
reaction time	interval		1.31	1.06	1.02	1.00	0.99				4.49		# of strides	4.35	3.01	
	velocity	5.05	7.63	9.43	9.80	10.00	10.10				8.91	8.44		6.90	9.97	

Galligani, Laura (ITA) (1971)		time	1.92	3.22	4.31	5.35	6.36	7.43			12.01	12.01	???		
	reaction time	interval		1.30	1.09	1.04	1.01	1.07			4.58		# of strides	4.31	3.12
		velocity	5.21	7.69	9.17	9.62	9.90	9.35			8.73	8.33		6.96	9.62

1993 IAAF World Championships (Stuttgart, GER)

Price (1994) - split times for 100m sprint, 1993 IAAF world championship

FINAL

date 16-Aug-93 wind 0.3 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Devers, Gail (USA) (1966)		time			4.09			6.95		8.86		10.82	10.82	5 / 1		*Graubner (2007)*	
	reaction time 0.149	interval						2.86		1.91		1.96	CR / =PB	# of strides	4.09	2.86	
		velocity			7.33			10.49		10.47		10.20	9.24	47.2	7.33	10.49	
Ottey, Merlene (JAM) (1960)		time			4.13			6.98		8.87		10.82	10.82	6 / 2		*Graubner (2007)*	
	reaction time 0.161	interval						2.85		1.89		1.95	=CR	# of strides	4.13	2.85	
		velocity			7.26			10.53		10.58		10.26	9.24	46.0	7.26	10.53	
Torrence, Gwen (USA) (1965)		time			4.14			7.00		8.92		10.89	10.89	3 / 3		*Price (1994)*	
	reaction time 0.142	interval						2.86		1.92		1.97		# of strides	4.14	2.86	
		velocity			7.25			10.49		10.42		10.15	9.18	49.5	7.25	10.49	
Privalova, Irina (RUS) (1968)		time			4.09			7.00		8.96		10.96	10.96	4 / 4		*Price (1994)*	
	reaction time 0.174	interval						2.91		1.96		2.00		# of strides	4.09	2.91	
		velocity			7.33			10.31		10.20		10.00	9.12	47.5	7.33	10.31	
Onyali, Mary (NGR) (1968)	0.149	no information available											11.05	7 / 5		# of strides	47.0
Pomoshchnikova-Voronova, Nat	0.138	no information available											11.20	8 / 6		# of strides	48.7
Mitchell, Nicole (JAM) (1974)	0.142	no information available											11.20	2 / 7		# of strides	54.5
Allen, Liliana (CUB) (1970)	0.154	no information available											11.23	1 / 8		# of strides	48.7

1992 Olympic Games (Barcelona, ESP)

FINAL

date 01-Aug-92 wind -1.0 m/s

Arnold (1992) - 1992 Olympic report: 100m men

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Devers-Roberts, Gail (USA) (1966		time		3.06		5.03		6.93		8.87		10.82	10.82	2 / 1			
	reaction time 0.138	interval				1.97		1.90		1.94		1.95	PB	# of strides			
		velocity		6.54		10.15		10.53		10.31		10.26	9.24	48.2			
Cuthbert, Juliet (JAM) (1964)		time		3.12		5.09		6.97		8.91		10.83	10.83	3 / 2			
	reaction time 0.163	interval				1.97		1.88		1.94		1.92	PB	# of strides			
		velocity		6.41		10.15		10.64		10.31		10.42	9.23	49.5			
Privalova, Irina (EUN) (1968)		time		3.08		5.03		6.93		8.89		10.84	10.84	6 / 3			
	reaction time 0.184	interval				1.95		1.90		1.96		1.95		# of strides			
		velocity		6.49		10.26		10.53		10.20		10.26	9.23	48.2			
Torrence, Gwen (USA) (1965)		time		3.14		5.11		6.99		8.93		10.85	10.86	5 / 4			
	reaction time 0.175	interval				1.97		1.88		1.94		1.92	PB	# of strides			
		velocity		6.37		10.15		10.64		10.31		10.42	9.21	50.7			
Ottey, Merlene (JAM) (1960)		time		3.12		5.09		6.99		8.93		10.86	10.88	4 / 5			
	reaction time 0.164	interval				1.97		1.90		1.94		1.93		# of strides			
		velocity		6.41		10.15		10.53		10.31		10.36	9.19	47.7			
Nuneva, Anelia (BUL) (1962)		time		3.14		5.13		7.09		9.09		11.10	11.10	7 / 6			
	reaction time 0.134	interval				1.99		1.96		2.00		2.01		# of strides			
		velocity		6.37		10.05		10.20		10.00		9.95	9.01	50.5			
Onyali-Omagbemi, Mary (NGR) (1		time		3.14		5.17		7.13		9.13		11.15	11.15	8 / 7			
	reaction time 0.190	interval				2.03		1.96		2.00		2.02		# of strides			
		velocity		6.37		9.85		10.20		10.00		9.90	8.97	47.0			
Allen, Liliana (CUB) (1970)		time		3.10		5.13		7.11		9.13		11.19	11.19	1 / 8			
	reaction time 0.174	interval				2.03		1.98		2.02		2.06		# of strides			
		velocity		6.45		9.85		10.10		9.90		9.71	8.94	48.0			

1991 IAAF World Championships (Tokyo, JPN)

FINAL

date 27-Aug-91 wind -3.0 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Krabbe, Kathrin (GER) (1969)		time					6.07					10.99	10.99	3 / 1			
	reaction time 0.157	interval										4.92		# of strides			
		velocity					8.24					10.16	9.10	47.7			
Torrence, Gwen (USA) (1965)		time					6.16					11.03	11.03	5 / 2			
	reaction time 0.152	interval										4.87		# of strides			
		velocity					8.12					10.27	9.07	51.0			
Ottey, Merlene (JAM) (1960)		time					6.17					11.06	11.06	4 / 3			

	reaction time	0.196	interval								4.89		# of strides			
			velocity					8.10			10.22	9.04	48.0			
Privalova, Irina (URS) (1968)		0.206	no information available									11.16	6 / 4	# of strides	47.5	
Ashford, Evelyn (USA) (1957)		0.202	no information available									11.30	1 / 5	# of strides	53.0	
Cuthbert, Juliet (JAM) (1964)		0.180	no information available									11.33	8 / 6	# of strides	51.0	
Onyali, Mary (NGR) (1968)		0.201	no information available									11.39	7 / 7	# of strides	48.0	
Guidry, Carlette (USA) (1968)		0.202	no information available									11.52	2 / 8	# of strides	47.7	

1991 European Cup (Frankfurt, GER)

FINAL

date 29-Jun-91 wind -2.7 m/s *Federle (2003) - http://www.fgs.uni-halle.de*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Privalova, Irina (RUS) (1968)	time			4.14			7.14		9.19		11.29	11.29	/ 1			
reaction time	interval						3.00		2.05		2.10		# of strides	4.14	3.00	
	velocity			7.25			10.00		9.76		9.52	8.86		7.25	10.00	
Krabbe, Kathrin (GER) (1969)	time			4.20			7.25		9.32		11.45	11.45	/ 2			
reaction time	interval						3.05		2.07		2.13		# of strides	4.20	3.05	
	velocity			7.14			9.84		9.66		9.39	8.73		7.14	9.84	
Nuneva, Anelia (BUL) (1962)	time			4.27			7.40		9.55		11.74	11.74	/ 3			
reaction time	interval						3.13		2.15		2.19		# of strides	4.27	3.13	
	velocity			7.03			9.58		9.30		9.13	8.52		7.03	9.58	
Douglas, Stephanie (GBR) (1969)	time			4.27			7.41		9.56		11.76	11.76	/ 4			
reaction time	interval						3.14		2.15		2.20		# of strides	4.27	3.14	
	velocity			7.03			9.55		9.30		9.09	8.50		7.03	9.55	
Nestoret, Maguy (FRA) (1969)	time			4.30			7.47		9.60		11.78	11.78	/ 5			
reaction time	interval						3.17		2.13		2.18		# of strides	4.30	3.17	
	velocity			6.98			9.46		9.39		9.17	8.49		6.98	9.46	
Dulgheru, Mirela (ROU) (1966)	time			4.37			7.54		9.71		11.94	11.94	/ 6			
reaction time	interval						3.17		2.17		2.23		# of strides	4.37	3.17	
	velocity			6.86			9.46		9.22		8.97	8.38		6.86	9.46	
Smolarek, Joanna (POL) (1965)	time			4.40			7.62		9.80		12.04	12.04	/ 7			
reaction time	interval						3.22		2.18		2.24		# of strides	4.40	3.22	
	velocity			6.82			9.32		9.17		8.93	8.31		6.82	9.32	
Molnár, Edit (HUN) (1965)	time			4.40			7.69		9.95		12.25	12.25	/ 8			
reaction time	interval						3.29		2.26		2.30		# of strides	4.40	3.29	
	velocity			6.82			9.12		8.85		8.70	8.16		6.82	9.12	

1990 Goodwill Games (Seattle, WA)

FINAL

date 24-Jul-90 wind 0.0 m/s *Lyle (1990) - goodwill games women's 100m splits*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Guidry, Carlette (USA) (1968)	time	2.04	3.15	4.19	5.16	6.13	7.05	8.02		9.99	11.02	11.03	6 / 1			
reaction time	interval		1.11	1.04	0.97	0.97	0.92	0.97		1.97	1.03	PB	# of strides	4.19	2.86	2.94
	velocity	4.90	9.01	9.62	10.31	10.31	10.87	10.31		10.15	9.71	9.07		7.16	10.49	10.20
Echols, Sheila (USA) (1964)	time	2.02	3.14	4.16	5.15	6.12	7.05	8.02		9.99	11.02	11.05	7 / 2			
reaction time	interval		1.12	1.02	0.99	0.97	0.93	0.97		1.97	1.03		# of strides	4.16	2.89	2.94
	velocity	4.95	8.93	9.80	10.10	10.31	10.75	10.31		10.15	9.71	9.05		7.21	10.38	10.20
Finn, Michelle (USA) (1965)	time	2.02	3.14	4.16	5.15	6.12	7.04	8.02		9.99	11.02	11.05	5 / 3			
reaction time	interval		1.12	1.02	0.99	0.97	0.92	0.98		1.97	1.03	PB	# of strides	4.16	2.88	2.95
	velocity	4.95	8.93	9.80	10.10	10.31	10.87	10.20		10.15	9.71	9.05		7.21	10.42	10.17
Malchugina, Galina (URS) (1962)	time	2.14	3.20	4.25	5.24	6.22	7.18	8.14		10.15	11.23	11.24	3 / 4			
reaction time	interval		1.06	1.05	0.99	0.98	0.96	0.96		2.01	1.08		# of strides	4.25	2.93	2.97
	velocity	4.67	9.43	9.52	10.10	10.20	10.42	10.42		9.95	9.26	8.90		7.06	10.24	10.10
Ashford, Evelyn (USA) (1957)	time	2.14	3.20	4.24	5.24	6.22	7.18	8.15		10.15	11.24	11.24	4 / 5			
reaction time	interval		1.06	1.04	1.00	0.98	0.96	0.97		2.00	1.09		# of strides	4.24	2.94	2.97
	velocity	4.67	9.43	9.62	10.00	10.20	10.42	10.31		10.00	9.17	8.90		7.08	10.20	10.10
Sergeyeva, Irina (URS) (1968)	time	2.14	3.19	4.24	5.22	6.21	7.18	8.15		10.16	11.26	11.25	2 / 6			
reaction time	interval		1.05	1.05	0.98	0.99	0.97	0.97		2.01	1.10		# of strides	4.24	2.94	2.98
	velocity	4.67	9.52	9.52	10.20	10.10	10.31	10.31		9.95	9.09	8.89		7.08	10.20	10.07
Allen, Liliana (CUB) (1970)	time	2.04	3.19	4.22	5.26	6.24	7.22	8.24		10.32	11.39	11.50	8 / 7			
reaction time	interval		1.15	1.03	1.04	0.98	0.98	1.02		2.08	1.07		# of strides	4.22	3.00	3.10
	velocity	4.90	8.70	9.71	9.62	10.20	10.20	9.80		9.62	9.35	8.70		7.11	10.00	9.68

Bailey, Angela (CAN) (1962)	time	2.14	3.22	4.27	5.29	6.32	7.35	8.34		10.44	11.59	11.57	1 / 8			
reaction time	interval		1.08	1.05	1.02	1.03	1.03	0.99		2.10	1.15		# of strides	4.27	3.08	3.09
	velocity	4.67	9.26	9.52	9.80	9.71	9.71	10.10		9.52	8.70	8.64		7.03	9.74	9.71

1989 IAAF World Cup (Barcelona, ESP)

FINAL

date 09-Sep-89 wind -1.1 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Echols, Sheila (USA) (1964)	time		3.15		5.18	6.15	7.15	8.14	9.15		11.18	11.18	/ 1			
reaction time	interval				2.03	0.97	1.00	0.99	1.01		2.03		# of strides			
	velocity		6.35		9.85	10.31	10.00	10.10	9.90		9.85	8.94	50.0			
Onyali, Mary (NGR) (1968)	time		3.14		5.16	6.14	7.14	8.14	9.15		11.23	11.23	/ 2			
reaction time	interval				2.02	0.98	1.00	1.00	1.01		2.08		# of strides			
	velocity		6.37		9.90	10.20	10.00	10.00	9.90		9.62	8.90	48.3			
Möller, Silke (GDR) (1964)	time		3.20		5.23	6.21	7.18	8.16	9.18		11.24	11.24	/ 3			
reaction time	interval				2.03	0.98	0.97	0.98	1.02		2.06		# of strides			
	velocity		6.25		9.85	10.20	10.31	10.20	9.80		9.71	8.90	53.7			
Bily, Laurence (FRA) (1963)		no information available										11.31	/ 4			
Allen, Lilana (CUB) (1970)		no information available										11.34	/ 5			
Myers, Sandra (ESP) (1961)	time		3.26		5.31	6.30	7.30	8.29	9.29		11.36	11.36	/ 6			
reaction time	interval				2.05	0.99	1.00	0.99	1.00		2.07		# of strides			
	velocity		6.13		9.76	10.10	10.00	10.10	10.00		9.66	8.80	48.1			
Voronova, Natalya (URS) (1965)		no information available										11.49	/ 7			
Broadrick, Susane (AUS) (1968)		no information available										11.96	/ 8			
Wang Huei-Chen (TPE) (1970)		no information available										11.97	/ 9			

1988 Olympic Games (Seoul, KOR)

FINAL

date 25-Sep-88 wind 3.0 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Griffith-Joyner, Florence (USA) (	time	2.00	3.09	4.09	5.04	5.97	6.89	7.80	8.71	9.62	10.54	10.54	3 / 1			
reaction time 0.131	interval		1.09	1.00	0.95	0.93	0.92	0.91	0.91	0.91	0.92		# of strides	4.09	2.80	2.73
	velocity	5.00	9.17	10.00	10.53	10.75	10.87	10.99	10.99	10.99	10.87	9.49	47.6	7.33	10.71	10.99
Ashford, Evelyn (USA) (1957)	time	2.02	3.13	4.15	5.11	6.07	7.01	7.96	8.91	9.87	10.83	10.83	6 / 2			
reaction time 0.176	interval		1.11	1.02	0.96	0.96	0.94	0.95	0.95	0.96	0.96		# of strides	4.15	2.86	2.86
	velocity	4.95	9.01	9.80	10.42	10.42	10.64	10.53	10.53	10.42	10.42	9.23	50.8	7.23	10.49	10.49
Drechsler, Heike (GDR) (1964)	time	2.01	3.12	4.14	5.11	6.08	7.02	7.97	8.92	9.88	10.85	10.85	5 / 3			
reaction time 0.143	interval		1.11	1.02	0.97	0.97	0.94	0.95	0.95	0.96	0.97		# of strides	4.14	2.88	2.86
	velocity	4.98	9.01	9.80	10.31	10.31	10.64	10.53	10.53	10.42	10.31	9.22	46.4	7.25	10.42	10.49
Jackson-Small, Grace (JAM) (196	time	2.04	3.17	4.20	5.17	6.14	7.11	8.07	9.04	10.00	10.97	10.97	8 / 4			
reaction time 0.168	interval		1.13	1.03	0.97	0.97	0.97	0.96	0.97	0.96	0.97		# of strides	4.20	2.91	2.89
	velocity	4.90	8.85	9.71	10.31	10.31	10.31	10.42	10.31	10.42	10.31	9.12	42.6	7.14	10.31	10.38
Torrence, Gwen (USA) (1965)	time	2.01	3.12	4.15	5.13	6.10	7.05	8.01	8.99	9.98	10.97	10.97	1 / 5			
reaction time 0.148	interval		1.11	1.03	0.98	0.97	0.95	0.96	0.98	0.99	0.99		# of strides	4.15	2.90	2.93
	velocity	4.98	9.01	9.71	10.20	10.31	10.53	10.42	10.20	10.10	10.10	9.12	49.7	7.23	10.34	10.24
Pomoshnikova-Voronova, Nataly	time	2.04	3.17	4.18	5.16	6.14	7.10	8.07	9.04	10.01	11.00	11.00	2 / 6			
reaction time 0.141	interval		1.13	1.01	0.98	0.98	0.96	0.97	0.97	0.97	0.99		# of strides	4.18	2.92	2.91
	velocity	4.90	8.85	9.90	10.20	10.20	10.42	10.31	10.31	10.31	10.10	9.09	49.2	7.18	10.27	10.31
Cuthbert, Juliet (JAM) (1964)	time	2.03	3.15	4.18	5.14	6.10	7.07	8.04	9.07	10.14	11.26	11.26	7 / 7			
reaction time 0.165	interval		1.12	1.03	0.96	0.96	0.97	0.97	1.03	1.07	1.12		# of strides	4.18	2.89	3.07
	velocity	4.93	8.93	9.71	10.42	10.42	10.31	10.31	9.71	9.35	8.93	8.88	48.8	7.18	10.38	9.77
Nuneva, Anelia (BUL) (1962)	time	2.00	3.09	4.09	5.05	6.01	6.96	7.90			11.49	11.49	4 / 8			
reaction time 0.140	interval		1.09	1.00	0.96	0.96	0.95	0.94			3.59		# of strides	4.09	2.87	
	velocity	5.00	9.17	10.00	10.42	10.42	10.53	10.64			8.36	8.70		7.33	10.45	

Semi-Final 2

date 25-Sep-88 wind 2.6 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Griffith-Joyner, Florence (USA) (	time	2.01	3.12	4.14	5.13	6.07	6.99	7.92	8.84	9.76	10.70	10.70	5 / 1			
reaction time 0.336	interval		1.11	1.02	0.99	0.94	0.92	0.93	0.92	0.92	0.94		# of strides	4.14	2.85	2.77
	velocity	4.98	9.01	9.80	10.10	10.64	10.87	10.75	10.87	10.87	10.64	9.35		7.25	10.53	10.83
Drechsler, Heike (GDR) (1964)	time	2.00	3.10	4.12	5.12	6.08	7.03	7.98	8.93	9.90	10.91	10.91	6 / 2			
reaction time 0.216	interval		1.10	1.02	1.00	0.96	0.95	0.95	0.95	0.97	1.01		# of strides	4.12	2.91	2.87
	velocity	5.00	9.09	9.80	10.00	10.42	10.53	10.53	10.53	10.31	9.90	9.17		7.28	10.31	10.45

Pomoshnikova-Voronova, Nataly	time	2.03	3.14	4.18	5.18	6.14	7.11	8.08	9.05	10.03	11.03	11.03	4 / 3			
reaction time 0.263	interval		1.11	1.04	1.00	0.96	0.97	0.97	0.97	0.98	1.00		# of strides	4.18	2.93	2.92
	velocity	4.93	9.01	9.62	10.00	10.42	10.31	10.31	10.31	10.20	10.00	9.07		7.18	10.24	10.27
Jackson-Small, Grace (JAM) (196	time	2.09	3.22	4.27	5.27	6.25	7.21	8.17	9.13	10.09	11.06	11.06	2 / 4			
reaction time 0.189	interval		1.13	1.05	1.00	0.98	0.96	0.96	0.96	0.96	0.97		# of strides	4.27	2.94	2.88
	velocity	4.78	8.85	9.52	10.00	10.20	10.42	10.42	10.42	10.42	10.31	9.04		7.03	10.20	10.42
Sarvari, Ulrike (FRG) (1964)	time	2.04	3.16	4.20	5.21	6.17	7.14	8.13	9.11	10.10	11.12	11.12	7 / 5			
reaction time 0.303	interval		1.12	1.04	1.01	0.96	0.97	0.99	0.98	0.99	1.02		# of strides	4.20	2.94	2.96
	velocity	4.90	8.93	9.62	9.90	10.42	10.31	10.10	10.20	10.10	9.80	8.99		7.14	10.20	10.14
Davis-Thompson, Pauline (BAH)	time	2.07	3.20	4.27	5.28	6.27	7.23	8.19	9.16	10.13	11.12	11.12	1 / 6			
reaction time 0.203	interval		1.13	1.07	1.01	0.99	0.96	0.96	0.97	0.97	0.99		# of strides	4.27	2.96	2.90
	velocity	4.83	8.85	9.35	9.90	10.10	10.42	10.42	10.31	10.31	10.10	8.99		7.03	10.14	10.34
Fiere-Cooman, Nelli (NED) (1964)	time	2.01	3.12	4.15	5.16	6.13	7.11	8.10	9.09	10.10	11.13	11.13	8 / 7			
reaction time 0.312	interval		1.11	1.03	1.01	0.97	0.98	0.99	0.99	1.01	1.03		# of strides	4.15	2.96	2.99
	velocity	4.98	9.01	9.71	9.90	10.31	10.20	10.10	10.10	9.90	9.71	8.98		7.23	10.14	10.03

Semi-Final 1

date 25-Sep-88 wind 0.5 m/s

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ashford, Evelyn (USA) (1957)	time	2.03	3.14	4.19	5.18	6.14	7.08	8.04	9.02	10.01	10.99	10.99	6 / 1			
reaction time 0.170	interval		1.11	1.05	0.99	0.96	0.94	0.96	0.98	0.99	0.98		# of strides	4.19	2.89	2.93
	velocity	4.93	9.01	9.52	10.10	10.42	10.64	10.42	10.20	10.10	10.20	9.10		7.16	10.38	10.24
Nuneva, Anelia (BUL) (1962)	time	2.05	3.12	4.17	5.14	6.10	7.04	8.01	9.00	9.99	11.00	11.00	3 / 2			
reaction time 0.165	interval		1.07	1.05	0.97	0.96	0.94	0.97	0.99	0.99	1.01		# of strides	4.17	2.87	2.95
	velocity	4.88	9.35	9.52	10.31	10.42	10.64	10.31	10.10	10.10	9.90	9.09		7.19	10.45	10.17
Torrence, Gwen (USA) (1965)	time	2.00	3.11	4.16	5.14	6.12	7.08	8.04	9.03	10.02	11.02	11.02	5 / 3			
reaction time 0.130	interval		1.11	1.05	0.98	0.98	0.96	0.96	0.99	0.99	1.00		# of strides	4.16	2.92	2.94
	velocity	5.00	9.01	9.52	10.20	10.20	10.42	10.42	10.10	10.10	10.00	9.07		7.21	10.27	10.20
Cuthbert, Juliet (JAM) (1964)	time	2.05	3.21	4.25	5.23	6.18	7.13	8.11	9.10	10.10	11.10	11.10	2 / 4			
reaction time 0.156	interval		1.16	1.04	0.98	0.95	0.95	0.98	0.99	1.00	1.00		# of strides	4.25	2.88	2.97
	velocity	4.88	8.62	9.62	10.20	10.53	10.53	10.20	10.10	10.00	10.00	9.01		7.06	10.42	10.10
Möller, Silke (GDR) (1964)	time	2.07	3.18	4.24	5.22	6.20	7.16	8.14	9.14	10.13	11.12	11.12	8 / 5			
reaction time 0.154	interval		1.11	1.06	0.98	0.98	0.96	0.98	1.00	0.99	0.99		# of strides	4.24	2.92	2.97
	velocity	4.83	9.01	9.43	10.20	10.20	10.42	10.20	10.00	10.10	10.10	8.99		7.08	10.27	10.10
Göhr, Marlies (GDR) (1958)	time	2.07	3.20	4.24	5.22	6.18	7.12	8.11	9.11	10.12	11.13	11.13	4 / 6			
reaction time 0.160	interval		1.13	1.04	0.98	0.96	0.94	0.99	1.00	1.01	1.01		# of strides	4.24	2.88	3.00
	velocity	4.83	8.85	9.62	10.20	10.42	10.64	10.10	10.00	9.90	9.90	8.98		7.08	10.42	10.00
Kondratyeva, Lyudmila (URS) (19	time	2.05	3.16	4.21	5.20	6.18	7.16	8.15	9.16	10.18	11.21	11.21	7 / 7			
reaction time 0.166	interval		1.11	1.05	0.99	0.98	0.98	0.99	1.01	1.02	1.03		# of strides	4.21	2.95	3.02
	velocity	4.88	9.01	9.52	10.10	10.20	10.20	10.10	9.90	9.80	9.71	8.92		7.13	10.17	9.93
Zhirova, Marina (URS) (1963)	time	2.08	3.18	4.25	5.24	6.21	7.18	8.18	9.20	10.22	11.24	11.24	1 / 8			
reaction time 0.187	interval		1.10	1.07	0.99	0.97	0.97	1.00	1.02	1.02	1.02		# of strides	4.25	2.93	3.04
	velocity	4.81	9.09	9.35	10.10	10.31	10.31	10.00	9.80	9.80	9.80	8.90		7.06	10.24	9.87

Heat 5

date 24-Sep-88 wind 0.1 m/s

Levchenko (1990) - questions and answers about women's sprinting

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Zhirova, Marina (URS) (1963)	time			3.86			6.90		8.85		10.87	11.22	7 / 2			
reaction time	interval						3.04		1.95		2.02		# of strides	3.86	3.04	
	velocity			7.77			9.87		10.26		9.90	8.91	49.9	7.77	9.87	

1988 USA Olympic Trials (Indianapolis, IN)

FINAL

date 17-Jul-88 wind 1.2 m/s

Veney - Split times from PJ

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Griffith-Joyner, Florence (USA) (	time			4.07			6.90		8.74		10.61	10.61	/ 1			
reaction time 0.12	interval						2.83		1.84		1.87		# of strides	4.07	2.83	
	velocity			7.37			10.60		10.87		10.70	9.43		7.37	10.60	

Ashford, Evelyn (USA) (1957)	no information available	10.81	/ 2	# of strides
Torrence, Gwen (USA) (1965)	no information available	10.91	/ 3	# of strides
Echols, Sheila (USA) (1964)	no information available	11.00	/ 4	# of strides
Brown, Alice (USA) (1960)	no information available	11.04	/ 5	# of strides
Young, Dannette (USA) (1964)	no information available	11.19	/ 6	# of strides
Inniss, Jennifer (USA) (1959)	no information available	11.21	/ 7	# of strides

Quarter-Final 1

date 16-Jul-88 wind 0.0 m/s

Veney - Split times from PJ

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Griffith-Joyner, Florence (USA) (	time				5.05	5.97	6.87	7.76	8.66	9.56	10.49	10.49	5 / 1			
reaction time	interval					0.92	0.90	0.89	0.90	0.90	0.93	WR	# of strides			2.69
	velocity				7.92	10.87	11.11	11.24	11.11	11.11	10.75	9.53	47.5			11.15

1987 IAAF World Championships (Rome. ITA)

FINAL

date 30-Aug-87 wind -0.5 m/s *Ward-Smith (2000) - Energy conversion rates during sprinting an emphasis on the performance of female athletes*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gladisch-Möller, Silke (GDR) (196	time	2.01	3.11	4.15	5.12	6.07	7.00	7.93	8.90	9.89	10.90	10.90	6 / 1			
reaction time 0.141	interval		1.10	1.04	0.97	0.95	0.93	0.93	0.97	0.99	1.01	CR	# of strides	4.15	2.85	2.89
	velocity	4.98	9.09	9.62	10.31	10.53	10.75	10.75	10.31	10.10	9.90	9.17	53.0	7.23	10.53	10.38
Daute-Drechsler, Heike (GDR) (19	time	2.12	3.22	4.25	5.22	6.18	7.10	8.04	9.00	10.00	11.00	11.00	4 / 2			
reaction time 0.210	interval		1.10	1.03	0.97	0.96	0.92	0.94	0.96	1.00	1.00		# of strides	4.25	2.85	2.90
	velocity	4.72	9.09	9.71	10.31	10.42	10.87	10.64	10.42	10.00	10.00	9.09	46.8	7.06	10.53	10.34
Ottey, Merlene (JAM) (1960)	time	2.02	3.13	4.17	5.16	6.12	7.07	8.02	8.99	10.02	11.04	11.04	5 / 3			
reaction time 0.172	interval		1.11	1.04	0.99	0.96	0.95	0.95	0.97	1.03	1.02		# of strides	4.17	2.90	2.95
	velocity	4.95	9.01	9.62	10.10	10.42	10.53	10.53	10.31	9.71	9.80	9.06	47.1	7.19	10.34	10.17
Williams, Diane (USA) (1960)	time	2.08	3.20	4.24	5.24	6.21	7.15	8.11	9.07	10.07	11.07	11.07	2 / 4			
reaction time 0.240	interval		1.12	1.04	1.00	0.97	0.94	0.96	0.96	1.00	1.00		# of strides	4.24	2.91	2.92
	velocity	4.81	8.93	9.62	10.00	10.31	10.64	10.42	10.42	10.00	10.00	9.03	50.2	7.08	10.31	10.27
Taylor-Issajenko, Angella (CAN) (	time	2.02	3.13	4.17	5.16	6.12	7.08	8.04	9.03	10.06	11.09	11.09	3 / ~~5~~			
reaction time 0.203	interval		1.11	1.04	0.99	0.96	0.96	0.96	0.99	1.03	1.03	DV	# of strides	4.17	2.91	2.98
	velocity	4.95	9.01	9.62	10.10	10.42	10.42	10.42	10.10	9.71	9.71	9.02	49.6	7.19	10.31	10.07
Nuneva, Anelia (BUL) (1962)	time	2.01	3.12	4.15	5.14	6.10	7.06	8.01	9.01	10.05	11.09	11.09	7 / ~~6~~ 5			
reaction time 0.169	interval		1.11	1.03	0.99	0.96	0.96	0.95	1.00	1.04	1.04		# of strides	4.15	2.91	2.99
	velocity	4.98	9.01	9.71	10.10	10.42	10.42	10.53	10.00	9.62	9.62	9.02	50.5	7.23	10.31	10.03
Bailey, Angela (CAN) (1962)	time	2.07	3.19	4.22	5.22	6.21	7.16	8.12	9.11	10.15	11.18	11.18	8 / ~~7~~ 6			
reaction time 0.191	interval		1.12	1.03	1.00	0.99	0.95	0.96	0.99	1.04	1.03		# of strides	4.22	2.94	2.99
	velocity	4.83	8.93	9.71	10.00	10.10	10.53	10.42	10.10	9.62	9.71	8.94	50.2	7.11	10.20	10.03
Marshall, Pam (USA) (1960)	time	2.14	3.28	4.28	5.28	6.27	7.21	8.16	9.13	10.15	11.19	11.19	1 / ~~8~~ 7			
reaction time 0.242	interval		1.14	1.00	1.00	0.99	0.94	0.95	0.97	1.02	1.04		# of strides	4.28	2.93	2.94
	velocity	4.67	8.77	10.00	10.00	10.10	10.64	10.53	10.31	9.80	9.62	8.94	45.4	7.01	10.24	10.20

Semi-Final 2

date 30-Aug-87 wind 0.7 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Daute-Drechsler, Heike (GDR) (19	time	2.16	3.27	4.28	5.24	6.17	7.12	8.07	9.02	9.98	10.95	10.95	3 / 1			
reaction time	interval		1.11	1.01	0.96	0.93	0.95	0.95	0.95	0.96	0.97		# of strides	4.28	2.84	2.86
	velocity	4.63	9.01	9.90	10.42	10.75	10.53	10.53	10.53	10.42	10.31	9.13	46.0	7.01	10.56	10.49
Nuneva, Anelia (BUL) (1962)	time			4.18			7.05				11.01	11.01	5 / 2			
reaction time	interval						2.87				3.96		# of strides	4.18	2.87	
	velocity			7.18			10.45				10.10	9.08	50.0	7.18	10.45	
Williams, Diane (USA) (1960)	time			4.26			7.18				11.07	11.07	4 / 3			
reaction time	interval						2.92				3.89		# of strides	4.26	2.92	
	velocity			7.04			10.27				10.28	9.03	50.0	7.04	10.27	
Bailey, Angela (CAN) (1962)	time			4.20			7.12				11.07	11.07	2 / 4			
reaction time	interval						2.92				3.95		# of strides	4.20	2.92	
	velocity			7.14			10.27				10.13	9.03	52.0	7.14	10.27	

Semi-Final 1

date 30-Aug-87 wind 2.2 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gladisch-Möller, Silke (GDR) (196	time	2.02	3.12	4.14	5.10	6.05	6.99	7.92	8.87	9.83	10.82	10.82	4 / 1			
reaction time	interval		1.10	1.02	0.96	0.95	0.94	0.93	0.95	0.96	0.99		# of strides	4.14	2.85	2.84
	velocity	4.95	9.09	9.80	10.42	10.53	10.64	10.75	10.53	10.42	10.10	9.24	51.8	7.25	10.53	10.56
Ottey, Merlene (JAM) (1960)	time	2.07	3.14	4.18	5.13	6.10	7.04	8.00	8.94	9.89	10.89	10.89	5 / 2			
reaction time	interval		1.07	1.04	0.95	0.97	0.94	0.96	0.94	0.95	1.00		# of strides	4.18	2.86	2.85
	velocity	4.83	9.35	9.62	10.53	10.31	10.64	10.42	10.64	10.53	10.00	9.18	46.7	7.18	10.49	10.53
													Francis (1997) - training for speed			
Taylor-Issajenko, Angella (CAN) (	time	2.07	3.14	4.18	5.13	6.10	7.05	8.02	8.99	9.97	10.99	10.99	6 / ~~3~~			
reaction time	interval		1.07	1.04	0.95	0.97	0.95	0.97	0.97	0.98	1.02	DV	# of strides	4.18	2.87	2.92
	velocity	4.83	9.35	9.62	10.53	10.31	10.53	10.31	10.31	10.20	9.80	9.10	49.2	7.18	10.45	10.27
Marshall, Pam (USA) (1960)	time			4.28			7.18				11.06	11.06	3 / ~~4~~ 3			
reaction time	interval						2.90				3.88		# of strides	4.28	2.90	
	velocity			7.01			10.34				10.31	9.04	45.0	7.01	10.34	

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

Quarter-Final 4

date 29-Aug-87 wind -1.1 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ottey, Merlene (JAM) (1960)	time	2.04	3.15	4.22	5.20	6.18	7.17	8.20	9.23	10.25	11.27	11.27	5 / 1			
reaction time	interval		1.11	1.07	0.98	0.98	0.99	1.03	1.03	1.02	1.02		# of strides	4.22	2.95	3.08
	velocity	4.90	9.01	9.35	10.20	10.20	10.10	9.71	9.71	9.80	9.80	8.87	47.0	7.11	10.17	9.74
Gladisch-Möller, Silke (GDR) (196	time	2.08	3.18	4.22	5.21	6.19	7.16	8.18	9.23	10.26	11.29	11.29	3 / 2			
reaction time	interval		1.10	1.04	0.99	0.98	0.97	1.02	1.05	1.03	1.03		# of strides	4.22	2.94	3.10
	velocity	4.81	9.09	9.62	10.10	10.20	10.31	9.80	9.52	9.71	9.71	8.86	52.0	7.11	10.20	9.68

Quarter-Final 3

date 29-Aug-87 wind -1.6 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Diane (USA) (1960)	time			4.17			7.14				11.21	11.21	5 / 1			
reaction time	interval						2.97				4.07		# of strides	4.17	2.97	
	velocity			7.19			10.10				9.83	8.92	51.2	7.19	10.10	
Bailey, Angela (CAN) (1962)	time			4.25			7.22				11.31	11.31	7 / 2			
reaction time	interval						2.97				4.09		# of strides	4.25	2.97	
	velocity			7.06			10.10				9.78	8.84	52.0	7.06	10.10	

Quarter-Final 2

date 29-Aug-87 wind 1.6 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Taylor-Issajenko, Angella (CAN) (	time			4.15			7.02				10.99	10.99	4 / ~~1~~			
reaction time	interval						2.87				3.97	DV	# of strides	4.15	2.87	
	velocity			7.23			10.45				10.08	9.10	48.0	7.23	10.45	
Marshall, Pam (USA) (1960)	time			4.29			7.19				11.21	11.21	5 / ~~3~~ 2			
reaction time	interval						2.90				4.02		# of strides	4.29	2.90	
	velocity			6.99			10.34				9.95	8.92	44.5	6.99	10.34	

Quarter-Final 1

date 29-Aug-87 wind -0.3 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Daute-Drechsler, Heike (GDR) (19	time	2.15	3.26	4.29	5.26	6.22	7.18	8.13	9.10	10.08	11.08	11.08	6 / 1			
reaction time	interval		1.11	1.03	0.97	0.96	0.96	0.95	0.97	0.98	1.00		# of strides	4.29	2.89	2.90
	velocity	4.65	9.01	9.71	10.31	10.42	10.42	10.53	10.31	10.20	10.00	9.03	46.0	6.99	10.38	10.34
Nuneva, Anelia (BUL) (1962)	time			4.23			7.23				11.29	11.29	3 / 2			
reaction time	interval						3.00				4.06		# of strides	4.23	3.00	
	velocity			7.09			10.00				9.85	8.86	51.0	7.09	10.00	
													Francis (1997) - training for speed			
Phipps, Angela (CAN) (1964)	time	2.08	3.34	4.46	5.47	6.48	7.53	8.56	9.60	10.62	11.67	11.67	2 / 5			
reaction time 0.230	interval		1.26	1.12	1.01	1.01	1.05	1.03	1.04	1.02	1.05		# of strides	4.46	3.07	3.09
	velocity	4.81	7.94	8.93	9.90	9.90	9.52	9.71	9.62	9.80	9.52	8.57	50.0	6.73	9.77	9.71

Heat 7

date 29-Aug-87 wind -0.6 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Williams, Diane (USA) (1960)	time			4.23			7.21				11.22	11.22	6 / 1			
reaction time	interval						2.98				4.01		# of strides	4.23	2.98	
	velocity			7.09			10.07				9.98	8.91	51.0	7.09	10.07	

Heat 6

date 29-Aug-87 wind 0.7 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Taylor-Issajenko, Angella (CAN) (	time			4.27			7.26				11.42	11.42	/ ~~2~~			
reaction time	interval						2.99				4.16	DV	# of strides	4.27	2.99	
	velocity			7.03			10.03				9.62	8.76		7.03	10.03	

Heat 5

date 29-Aug-87 wind 0.2 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gladisch-Möller, Silke (GDR) (196	time	2.10	3.23	4.31	5.31	6.31	7.31	8.31	9.31	10.34	11.40	11.42	/ 2			
reaction time	interval		1.13	1.08	1.00	1.00	1.00	1.00	1.00	1.03	1.06		# of strides	4.31	3.00	3.03
	velocity	4.76	8.85	9.26	10.00	10.00	10.00	10.00	10.00	9.71	9.43	8.76		6.96	10.00	9.90
Marshall, Pam (USA) (1960)	time			4.28			7.33				11.44	11.44	/ 3			
reaction time 0.242	interval						3.05				4.11		# of strides	4.28	3.05	
	velocity			7.01			9.84				9.73	8.74		7.01	9.84	

Heat 4

date 29-Aug-87 wind -0.6 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nuneva, Anelia (BUL) (1962)	time			4.20			7.18				11.37	11.37	/ 1			
reaction time	interval						2.98				4.19		# of strides	4.20	2.98	
	velocity			7.14			10.07				9.55	8.80		7.14	10.07	

Heat 3

date 29-Aug-87 wind 1.0 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bailey, Angela (CAN) (1962)	time			4.38			7.41				11.52	11.52	/ 2			
reaction time	interval						3.03				4.11		# of strides	4.38	3.03	
	velocity			6.85			9.90				9.73	8.68		6.85	9.90	

Heat 2

date 29-Aug-87 wind 1.3 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ottey, Merlene (JAM) (1960)	time	2.06	3.22	4.25	5.25	6.26	7.24	8.24	9.24	10.24	11.26	11.26	2 / 1			
reaction time	interval		1.16	1.03	1.00	1.01	0.98	1.00	1.00	1.00	1.02		# of strides	4.25	2.99	3.00
	velocity	4.85	8.62	9.71	10.00	9.90	10.20	10.00	10.00	10.00	9.80	8.88	45.0	7.06	10.03	10.00

Heat 1

date 29-Aug-87 wind 2.3 m/s *Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Daute-Drechsler, Heike (GDR) (19	time	2.16	3.27	4.30	5.25	6.20	7.15	8.10	9.05	10.01	11.02	11.02	7 / 1			
reaction time	interval		1.11	1.03	0.95	0.95	0.95	0.95	0.95	0.96	1.01		# of strides	4.30	2.85	2.86
	velocity	4.63	9.01	9.71	10.53	10.53	10.53	10.53	10.53	10.42	9.90	9.07	45.5	6.98	10.53	10.49

1987 East German National Championships (Potsdam, GDR)

FINAL

date 20-Aug-97 wind 0.6 m/s *Tepper (1989) - zum entwicklungsstand und zum trainingssyste des ddr-frauenkurzsprints*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gladisch-Möller, Silke (GDR) (196	time			4.15			7.00		8.91		10.86	10.86	/ 1			
reaction time	interval						2.85		1.91		1.95	PB	# of strides	4.15	2.85	
	velocity			7.23			10.53		10.47		10.26	9.21		7.23	10.53	

1987 European Cup (Prague, TCH)

FINAL

date 28-Jun-87 wind -0.4 m/s *Sušanka (1987) - hints on computer processing of biomechanical data*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Göhr, Marlies (GDR) (1958)	time	2.03	3.19	4.17	5.14	6.10	7.04	8.00	8.98	9.97	10.95	10.95	5 / 1			
reaction time	interval		1.16	0.98	0.97	0.96	0.94	0.96	0.98	0.99	0.98		# of strides	4.17	2.87	2.93
	velocity	4.93	8.62	10.20	10.31	10.42	10.64	10.42	10.20	10.10	10.20	9.13	55.0	7.19	10.45	10.24
Nuneva, Anelia (BUL) (1962)	time	2.03	3.16	4.15	5.12	6.08	7.05	8.04	9.06	10.07	11.08	11.08	3 / 2			
reaction time	interval		1.13	0.99	0.97	0.96	0.97	0.99	1.02	1.01	1.01		# of strides	4.15	2.90	3.02
	velocity	4.93	8.85	10.10	10.31	10.42	10.31	10.10	9.80	9.90	9.90	9.03	50.9	7.23	10.34	9.93
Sarvari, Ulrike (FRG) (1964)	time	2.08	3.19	4.23	5.23	6.21	7.19	8.20	9.24	10.28	11.30	11.30	1 / 3			
reaction time	interval		1.11	1.04	1.00	0.98	0.98	1.01	1.04	1.04	1.02		# of strides	4.23	2.96	3.09
	velocity	4.81	9.01	9.62	10.00	10.20	10.20	9.90	9.62	9.62	9.80	8.85	52.6	7.09	10.14	9.71
Dunn, Paula (GBR) (1964)	time	2.12	3.27	4.31	5.33	6.31	7.29	8.31	9.31	10.33	11.37	11.37	6 / 4			
reaction time	interval		1.15	1.04	1.02	0.98	0.98	1.02	1.00	1.02	1.04		# of strides	4.31	2.98	3.04
	velocity	4.72	8.70	9.62	9.80	10.20	10.20	9.80	10.00	9.80	9.62	8.80	53.9	6.96	10.07	9.87
Murková, Eva (TCH) (1962)	time	2.04	3.21	4.25	5.25	6.25	7.25	8.28	9.32	10.37	11.43	11.43	4 / 5			
reaction time	interval		1.17	1.04	1.00	1.00	1.00	1.03	1.04	1.05	1.06		# of strides	4.25	3.00	3.12
	velocity	4.90	8.55	9.62	10.00	10.00	10.00	9.71	9.62	9.52	9.43	8.75	50.9	7.06	10.00	9.62
Bily, Laurence (FRA) (1963)	time	2.04	3.23	4.26	5.27	6.29	7.29	8.31	9.34	10.38	11.44	11.44	7 / 6			
reaction time	interval		1.19	1.03	1.01	1.02	1.00	1.02	1.03	1.04	1.06		# of strides	4.26	3.03	3.09
	velocity	4.90	8.40	9.71	9.90	9.80	10.00	9.80	9.71	9.62	9.43	8.74	52.4	7.04	9.90	9.71
Kasprzyk, Ewa (POL) (1957)	time	2.09	3.30	4.33	5.35	6.34	7.33	8.35	9.38	10.41	11.45	11.45	8 / 7			
reaction time	interval		1.21	1.03	1.02	0.99	0.99	1.02	1.03	1.03	1.04		# of strides	4.33	3.00	3.08
	velocity	4.78	8.26	9.71	9.80	10.10	10.10	9.80	9.71	9.71	9.62	8.73	55.3	6.93	10.00	9.74
Slyusar, Irina (URS) (1963)	time	2.09	3.26	4.29	5.29	6.30	7.30	8.34	9.38	10.43	11.49	11.49	2 / 8			
reaction time	interval		1.17	1.03	1.00	1.01	1.00	1.04	1.04	1.05	1.06		# of strides	4.29	3.01	3.13
	velocity	4.78	8.55	9.71	10.00	9.90	10.00	9.62	9.62	9.52	9.43	8.70	52.7	6.99	9.97	9.58

1987 Snamenski Memorial (Moscow, URS)

FINAL

date 07-Jun-87 wind -0.6 m/s *Levchenko (1990) - questions and answers about women's sprinting*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nuneva, Anelia (BUL) (1962)	time			3.79			6.69		8.62		10.58	10.92	/ 1			
reaction time	interval						2.90		1.93		1.96	NR	# of strides	3.79	2.90	
	velocity			7.92			10.34		10.36		10.20	9.16	50.0	7.92	10.34	

Heat 5

date 07-Jun-87 wind -0.7 m/s *Levchenko (1990) - questions and answers about women's sprinting*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Zhirova, Marina (URS) (1963)	time			3.97			7.03		9.07		11.15	11.50	/ 2			
reaction time	interval						3.06		2.04		2.08		# of strides	3.97	3.06	
	velocity			7.56			9.80		9.80		9.62	8.70	49.6	7.56	9.80	

1986 Golden Ovals (Dresden, GDR)

FINAL

date 16-Aug-86 wind 1.0 m/s *Tepper (1989) - zum entwicklungsstand und zum trainingssyste des ddr-frauenkurzsprints*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Daute-Drechsler, Heike (GDR) (19	time			4.23			7.09		8.99		10.94	10.94	/ 1			
reaction time	interval						2.86		1.90		1.95		# of strides	4.23	2.86	
	velocity			7.09			10.49		10.53		10.26	9.14		7.09	10.49	

1986 IAAF World Junor Championships (Athens, GRE)

FINAL date 17-Jul-86 wind 0.9 m/s

Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Iheagwam, Tina (NGR) (1968)		time	2.00	3.12	4.18	5.19	6.21	7.21	8.22	9.33	10.26	11.34	11.34	/ 1			
reaction time	0.187	interval		1.12	1.06	1.01	1.02	1.00	1.01	1.11	0.93	1.08	CR	# of strides	4.18	3.03	3.05
		velocity	5.00	8.93	9.43	9.90	9.80	10.00	9.90	9.01	10.75	9.26	8.82		7.18	9.90	9.84
Smith, Caryl (USA) (1969)		time	2.08	3.26	4.42	5.36	6.35	7.35	8.34	9.45	10.40	11.45	11.45	/ 2			
reaction time	0.159	interval		1.18	1.16	0.94	0.99	1.00	0.99	1.11	0.95	1.05		# of strides	4.42	2.93	3.05
		velocity	4.81	8.47	8.62	10.64	10.10	10.00	10.10	9.01	10.53	9.52	8.73		6.79	10.24	9.84
Malone, Maicel (USA) (1969)		time	2.01	3.16	4.24	5.31	6.34	7.30	8.27	9.47	10.43	11.49	11.49	/ 3			
reaction time	0.151	interval		1.15	1.08	1.07	1.03	0.96	0.97	1.20	0.96	1.06		# of strides	4.24	3.06	3.13
		velocity	4.98	8.70	9.26	9.35	9.71	10.42	10.31	8.33	10.42	9.43	8.70		7.08	9.80	9.58
Krabbe,Katrin (GDR) (1969)		no information available											11.49	/ 4			
Lepping, Claudia (GDR) (1968)		no information available											11.56	/ 5			
Leroy, Muriel (FRA) (1968)		no information available											11.60	/ 6			
Sibide, Odiah (FRA) (1970)		no information available											11.69	/ 7			

1986 Goodwill Games (Moscow, URS)

FINAL date 08-Jun-83 wind 0.2 m/s

Levchenko (1990) - questions and answers about women's sprinting

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ashford, Evelyn (USA) (1957)		no information available											10.91	6 / 1		# of strides	52.0
Drecchsler, Heike (GDR) (1964)		no information available											10.91	2 / 2		# of strides	46.2
Barbashina, Elvira (URS) (1963)		no information available											11.12	5 / 3		# of strides	52.7
Brown, Alice (USA) (1960)		no information available											11.14	4 / 4		# of strides	55.0
Slyusar, Irina (URS) (1963)		no information available											11.22	3 / 5		# of strides	53.5
Nastoburko, Antonina (URS) (1959)		no information available											11.29	7 / 6		# of strides	51.5
Nuneva, Anelia (BUL) (1962)		time			3.94			6.99		9.00		11.07	11.40	1 / 7			
reaction time		interval						3.05		2.01		2.07		# of strides	3.94	3.05	
		velocity			7.61			9.84		9.95		9.66	8.77	52.5	7.61	9.84	
Bailey, Angela (CAN) (1962)		no information available											11.50	8 / 8		# of strides	

1984 Olympic Games (Los Angeles, CA)

FINAL date 05-Aug-84 wind -1.2 m/s

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ashford, Evelyn (USA) (1957)	0.166	no information available										OR	10.97	4 / 1		# of strides	52.0
Brown, Alice (USA) (1960)	0.177	no information available											11.13	7 / 2		# of strides	56.0
Ottey-Page, Merlene (JAM) (1960)	0.161	no information available											11.16	6 / 3		# of strides	49.0
Bolden, Jeanette (USA) (1960)	0.190	no information available											11.25	1 / 4		# of strides	46.0
Jackson, Grace (JAM) (1961)	0.171	no information available											11.39	7 / 5		# of strides	56.0
Bailey, Angela (CAN) (1962)	0.169	no information available											11.40	8 / 6		# of strides	44.5
Oakes, Heather (GBR) (1959)	0.159	no information available											11.43	2 / 7		# of strides	50.0
Taylor, Angella (CAN) (1958)	0.178	no information available											11.62	3 / 8		# of strides	50.7

1984 Olympischen Tag (Potsdam, GDR)

A FINAL date 20-Jul-84 wind -0.5 m/s

Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Auerswald, Ingrid (GDR) (1957)	time			4.20			7.13		9.09		11.13	11.13	/ 2			
reaction time	interval						2.93		1.96		2.04		# of strides	4.20	2.93	
	velocity			7.14			10.24		10.20		9.80	8.98		7.14	10.24	

1983 IAAF World Championships (Helsinki, FIN)

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

FINAL date 08-Aug-83 wind -0.5 m/s

Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Göhr, Marlies (GDR) (1958)		time		3.08	4.10	5.08	6.04	6.98	7.96	8.93		10.97	10.97	8 / 1			
reaction time	0.131	interval			1.02	0.98	0.96	0.94	0.98	0.97		2.04	CR	# of strides	4.10	2.88	
		velocity		6.49	9.80	10.20	10.42	10.64	10.20	10.31		9.80	9.12	56.0	7.32	10.42	
Koch, Marita (GDR) (1957)		time		3.08	4.11	5.09	6.06	7.02	7.99	8.97		11.02	11.02	4 / 2			
reaction time	0.172	interval			1.03	0.98	0.97	0.96	0.97	0.98		2.05		# of strides	4.11	2.91	
		velocity		6.49	9.71	10.20	10.31	10.42	10.31	10.20		9.76	9.07	51.0	7.30	10.31	
Williams, Diane (USA) (1960)		time		3.12		5.16	6.16	7.13	8.13	9.11		11.06	11.06	6 / 3			
reaction time	0.177	interval				2.04	1.00	0.97	1.00	0.98		1.95		# of strides			
		velocity		6.41		9.80	10.00	10.31	10.00	10.20		10.26	9.04	49.5			

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

Ottey, Merlene (JAM) (1960)	time	3.12	5.18	6.16	7.13	8.13	9.11	11.19	11.19	5 / 4			
reaction time 0.186	interval		2.06	0.98	0.97	1.00	0.98	2.08		# of strides			
	velocity	6.41	9.71	10.20	10.31	10.00	10.20	9.62	8.94	48.0			
Bailey, Angela (CAN) (1962)	time	3.10	5.15	6.12	7.11	8.10	9.10	11.20	11.20	7 / 5			
reaction time 0.157	interval		2.05	0.97	0.99	0.99	1.00	2.10		# of strides			
	velocity	6.45	9.76	10.31	10.10	10.10	10.00	9.52	8.93	53.2			
Marjamaa, Helinä (FIN) (1956)	time	3.10	5.18	6.16	7.15	8.14	9.14	11.24	11.24	1 / 6			
reaction time 0.140	interval		2.08	0.98	0.99	0.99	1.00	2.10		# of strides			
	velocity	6.45	9.62	10.20	10.10	10.10	10.00	9.52	8.90	49.0			
Taylor, Angella (CAN) (1957)	time	3.12	5.19	6.20	7.18	8.17	9.20	11.30	11.30	3 / 7			
reaction time 0.185	interval		2.07	1.01	0.98	0.99	1.03	2.10		# of strides			
	velocity	6.41	9.66	9.90	10.20	10.10	9.71	9.52	8.85	50.0			
Ashford, Evelyn (USA) (1957)	time	4.13							dnf	2 / --			*Butler (2013)*
reaction time	interval									# of strides	4.13		
	velocity	7.26									7.26		

Semi-Final 2

date 08-Aug-83 wind -0.6 m/s *Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ashford, Evelyn (USA) (1957)	time		3.12		5.15	6.11	7.05	8.03	8.99		10.99	10.99	8 / 1			
reaction time 0.201	interval				2.03	0.96	0.94	0.98	0.96		2.00	CR	# of strides		7.05	
	velocity		6.41		9.85	10.42	10.64	10.20	10.42		10.00	9.10	50.5		4.26	

1983 Olympischen Tag (East Berlin, GDR)

A FINAL

date 08-Jun-83 wind 1.7 m/s *Bauersfeld (1992) - Grundlagen der leichtathletik: das standerwerk für ausbildung und praxis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Göhr, Marlies (GDR) (1958)	time			4.14			6.98		8.86		10.81	10.81	/ 1			
reaction time	interval						2.84		1.88		1.95	WR	# of strides	4.14	2.84	
	velocity			7.25			10.56		10.64		10.26	9.25		7.25	10.56	
													Tepper (1989) - zum entwicklungsstand und zum trainingssyste des ddr-frauenkurzsprints			
Koch, Marita (GDR) (1957)	time			4.11			6.97		8.88		10.83	10.83	/ 2			
reaction time	interval						2.86		1.91		1.95	PB	# of strides	4.11	2.86	
	velocity			7.30			10.49		10.47		10.26	9.23		7.30	10.49	
													Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84			
Gladisch, Silke (GDR) (1964)	time			4.20			7.09		9.04		11.03	11.03	/ 3			
reaction time	interval						2.89		1.95		1.99	PB	# of strides	4.20	2.89	
	velocity			7.14			10.38		10.26		10.05	9.07		7.14	10.38	

1982 East German Spitzenklasse (Cottbus, GDR)

FINAL

date 21-Aug-82 wind 4.3 m/s *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Gladisch, Silke (GDR) (1964)	time			4.35			7.34		9.34		11.33	11.33	/ 5			
reaction time	interval						2.99		2.00		1.99		# of strides	4.35	2.99	
	velocity			6.90			10.03		10.00		10.05	8.83		6.90	10.03	

1982 East German National Championships (Dresden, GDR)

FINAL

date 01-Jul-82 wind 1.0 m/s *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wöckel, Bärbel (GDR) (1955)	time			4.21			7.10		9.02		10.95	10.95	/ 2			
reaction time	interval						2.89		1.92		1.93	PB	# of strides	4.21	2.89	
	velocity			7.13			10.38		10.42		10.36	9.13		7.13	10.38	

1981

A FINAL

date 13-Jun-81 wind ??? *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Auerswald, Ingrid (GDR) (1957)	time			4.30			7.25		9.26		11.34	11.34	???			
reaction time	interval						2.95		2.01		2.08		# of strides	4.30	2.95	
	velocity			6.98			10.17		9.95		9.62	8.82		6.98	10.17	

1980 Olympic Games (Moscow, URS)

FINAL

date 26-Jul-80 wind 1.0 m/s *Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kondratyeva, Lyudmila (URS) (1	time						7.11				11.06	11.06	5 / 1			
reaction time 0.155	interval										3.95		# of strides			
	velocity						8.44				10.13	9.04	51.2			

Göhr, Marlies (GDR) (1958)	0.139	no information available	11.07	8 / 2	# of strides	56.0
Auerswald, Ingrid (GDR) (1957)	0.126	no information available	11.14	4 / 1	# of strides	54.5
Haglund, Linda (SWE) (1956)	0.148	no information available	11.16	1 / 4	# of strides	49.5

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

Müller, Romy (GDR) (1958)	0.127	no information available	11.16	7 / 5	# of strides	54.7
Smallwood, Kathy (GBR) (1960)	0.163	no information available	11.28	6 / 6	# of strides	46.0
Réga, Chantal (FRA) (1955)	0.157	no information available	11.32	2 / 7	# of strides	51.5
Hunte, Heather (GBR) (1959)	0.139	no information available	11.34	3 / 8	# of strides	50.0

1980 East German Olympic Test Meeting (East Berlin, GDR)

FINAL date 09-Jul-80 wind 2.0 m/s *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Wöckel, Bärbel (GDR) (1955)	time			4.32			7.27		9.26		11.24	11.24	/ 2			
reaction time	interval						2.95		1.99		1.98		# of strides	4.32	2.95	
	velocity			6.94			10.17		10.05		10.10	8.90		6.94	10.17	

1977 East German National Championships (Dresden, GDR)

FINAL date 01-Jul-77 wind 2.0 m/s *Heß (1978) - die geschindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Oelsner, Marlies (GDR) (1958)	time			4.12			7.00		8.92		10.88	10.88	4 / 1			
reaction time	interval						2.88		1.92		1.96	**WR / WYB**	# of strides	4.12	2.88	
	velocity			7.28			10.42		10.42		10.20	9.19	55.0	7.28	10.42	
Hamann, Monika (GDR) (1954)	time			4.16			7.10		9.03		11.03	11.03	2 / 2			
reaction time	interval						2.94		1.93		2.00	**PB**	# of strides	4.16	2.94	
	velocity			7.21			10.20		10.36		10.00	9.07	53.5	7.21	10.20	

1977 GDR vs. USSR vs. Poland (Karl-Marx-Stadt, GDR)

FINAL date 25-Jun-77 wind ??? *Heß (1978) - die geschindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hamann, Monika (GDR) (1954)	time			4.22			7.22		9.22		11.28	11.28	/ 1			
reaction time	interval						3.00		2.00		2.06		# of strides	4.22	3.00	
	velocity			7.11			10.00		10.00		9.71	8.87		7.11	10.00	

1976 Olympic Games (Montreal, CAN)

FINAL date 25-Jul-76 wind 0.0 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Richter, Annegret (FRG) (1950)	no information available										11.08	7 / 1		# of strides	50.0
Stecher, Renate (GDR) (1950)	no information available										11.13	4 / 2		# of strides	53.7
Helten, Inge (FRG) (1957)	no information available										11.17	1 / 3		# of strides	50.7
Boyle, Raelene (AUS) (1951)	no information available										11.23	8 / 4		# of strides	52.0
Ashford, Evelyn (USA) (1957)	no information available										11.24	5 / 5		# of strides	50.7
Cheeseborough, Chandra (USA) (1959)	no information available										11.31	2 / 6		# of strides	48.5
Lynch, Andrea (GBR) (1952)	no information available										11.32	3 / 7		# of strides	49.5
Oelsner, Marlies (GDR) (1958)	no information available										11.34	6 / 8		# of strides	54.0

1976 East German Olympic Qualifier (Karl-Marx-Stadt, GDR)

FINAL date 29-May-76 wind 1.3 m/s *Heß (1978) - die geschindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stecher, Renate (GDR) (1950)	time			4.23			7.14		9.10		11.10	11.10	/ 1			
reaction time	interval						2.91		1.96		2.00		# of strides	4.23	2.91	
	velocity			7.09			10.31		10.20		10.00	9.01		7.09	10.31	
Blos, Martina (GDR) (1957)	time			4.26			7.22		9.19		11.19	11.19	/ 3			
reaction time	interval						2.96		1.97		2.00	**PB**	# of strides	4.26	2.96	
	velocity			7.04			10.14		10.15		10.00	8.94		7.04	10.14	
Bodendorf, Carla (GDR) (1953)	time			4.31			7.28		9.23		11.22	11.22	/ 5			
reaction time	interval						2.97		1.95		1.99	**PB**	# of strides	4.31	2.97	
	velocity			6.96			10.10		10.26		10.05	8.91		6.96	10.10	
Schneider, Romy (GDR) (1958)	time			4.26			7.22		9.19		11.22	11.22	/ 5			
reaction time	interval						2.96		1.97		2.03	**PB**	# of strides	4.26	2.96	
	velocity			7.04			10.14		10.15		9.85	8.91		7.04	10.14	

1973 East German Spitzenklasse (Dresden, GDR) *Heß (1978) - die geschindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazyklus 1973/76*

FINAL date 20-Jul-73 wind 1.8 m/s *Tepper (1978) - Analyse der trainingsgestaltung und leistungsentwicklung in den sprintdisziplinen der M und F*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stecher, Renate (GDR) (1950)	time			4.22			7.17		9.12		11.07	10.8	/ 1		*Tepper (1978)*	
reaction time	interval						2.95		1.95		1.95	**=WR / =PB**	# of strides	4.22	2.95	
	velocity			7.11			10.17		10.26		10.26	9.26		7.11	10.17	
Hamann, Monika (GDR) (1954)	time			4.26			7.30		9.32		11.45	11.45	/ 2		*Heß (1978)*	
reaction time	interval						3.04		2.02		2.13		# of strides	4.26	3.04	
	velocity			7.04			9.87		9.90		9.39	8.73		7.04	9.87	

1972 Olympic Games (Munich, FRG)

FINAL date 02-Sep-72 wind -0.2 m/s *Breizer (1984) - sprint competition analysis*

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

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stecher, Renate (GDR) (1950)	time			4.12			7.07		9.07		11.07	11.07	3 / 1			
reaction time	interval						2.95		2.00		2.00	WR	# of strides	4.12	2.95	
	velocity			7.28			10.17		10.00		10.00	9.03	53.5	7.28	10.17	
Boyle, Raelene (AUS) (1951)	time			4.16			7.20		9.23		11.23	11.23	1 / 2			
reaction time	interval						3.04		2.03		2.00		# of strides	4.16	3.04	
	velocity			7.21			9.87		9.85		10.00	8.90	53.5	7.21	9.87	
Chivás, Silvia (CUB) (1954)	time			4.18			7.18		9.21		11.24	11.24	6 / 3			
reaction time	interval						3.00		2.03		2.03		# of strides	4.18	3.00	
	velocity			7.18			10.00		9.85		9.85	8.90	52.5	7.18	10.00	
Davis, Iris (USA) (1950)	time			4.18			7.20		9.25		11.32	11.32	4 / 4			
reaction time	interval						3.02		2.05		2.07		# of strides	4.18	3.02	
	velocity			7.18			9.93		9.76		9.66	8.83	51.5	7.18	9.93	
Richter, Annegret (FRG) (1950)	time			4.18			7.30		9.33		11.38	11.38	2 / 5			
reaction time	interval						3.12		2.03		2.05		# of strides	4.18	3.12	
	velocity			7.18			9.62		9.85		9.76	8.79	53.0	7.18	9.62	
Annum, Alice (GHA) (1948)	no information available											11.41	8 / 6		# of strides	52.5
Ferrell, Barbara (USA) (1947)	no information available											11.45	5 / 7		# of strides	52.0
Lehocká-Glesková, Eva (TCH) (1943)	no information available											11.48	7 / 8			

1968 Olympic Games (Mexico City, MEX) (Altitude)

FINAL date 15-Oct-68 wind 1.2 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tyus, Wyomia (USA) (1945)	no information available								(11.08)	WR	11.0	3 / 1		# of strides	48.5
Ferrell, Barbara (USA) (1947)	no information available								(11.15)		11.1	5 / 2		# of strides	48.2
Szewińska, Irena (POL) (1946)	no information available								(11.19)		11.1	7 / 3		# of strides	44.5
Boyle, Raelene (AUS) (1951)	no information available								(11.20)		11.1	2 / 4		# of strides	52.0
Bailes, Margaret (USA) (1951)	no information available								(11.37)		11.3	4 / 5		# of strides	48.7
Burge, Dianne (AUS) (1943)	no information available								(11.44)		11.4	8 / 6		# of strides	
Chi Cheng (TPE) (1944)	no information available								(11.53)		11.5	1 / 7		# of strides	49.0
Cobián, Miguelina (CUB) (1941)	no information available								(11.61)		11.6	6 / 8		# of strides	

1964 Olympic Games (Tokyo, JPN)

FINAL date 16-Oct-64 wind -1.2 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tyus, Wyomia (USA) (1945)	no information available								(11.49)		11.4	6 / 1		# of strides	50.0
McGuire, Edith (USA) (1944)	no information available								(11.62)		11.6	7 / 2		# of strides	47.7
Kłobukowska, Ewa (POL) (1946)	no information available								(11.64)		11.6	1 / 3		# of strides	48.2
White, Marilyn (USA) (1944)	no information available								(11.67)		11.6	8 / 4		# of strides	53.7
Cobián, Miguelina (CUB) (1941)	no information available								(11.72)		11.7	4 / 5		# of strides	51.2
Black, Marilyn (AUS) (1944)	no information available								(11.73)		11.7	5 / 6		# of strides	51.5
Górecka, Halina (POL) (1938)	no information available								(11.83)		11.8	3 / 7		# of strides	53.0
Hyman, Dorothy (GBR) (1941)	no information available								(11.90)		11.9	2 / 8		# of strides	53.7

1960 Olympic Games (Rome, ITA)

FINAL date 02-Sep-60 wind 2.8 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Rudolph, Wilma (USA) (1940)	no information available								(11.18)		11.0	3 / 1		# of strides	48.2
Hyman, Dorothy (GBR) (1941)	no information available								(11.43)		11.3	2 / 2		# of strides	52.2
Leone, Guiseppina (ITA) (1934)	no information available								(11.48)		11.3	6 / 3		# of strides	54.5
Itkina, Mariya (URS) (1932)	no information available								(11.54)		11.4	4 / 4		# of strides	51.7
Capdevielle, Catherine (FRA) (1938)	no information available								(11.64)		11.5	1 / 5		# of strides	49.0
Smart, Jenny (GBR) (1943)	no information available								(11.72)		11.6	5 / 6		# of strides	51.2

1956 Olympic Games (Melbourne, AUS)

FINAL date 26-Nov-56 wind -2.3 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Cuthbert, Betty (AUS) (1938)	no information available								(11.82)		11.5	6 / 1		# of strides	51.0
Stubnick, Christa (EUA/GDR) (1933)	no information available								(11.92)		11.7	3 / 2		# of strides	53.0
Mathews, Marlene (AUS) (1934)	no information available								(11.94)		11.7	5 / 3		# of strides	53.0
Daniels, Isabelle (USA) (1937)	no information available								(11.98)		11.8	8 / 4		# of strides	52.7
Leone, Guiseppina (ITA) (1934)	no information available								(12.07)		11.9	7 / 5		# of strides	56.0
Armitage, Heather (GBR) (1933)	no information available								(12.10)		12.0	4 / 6		# of strides	54.5

1952 Olympic Games (Helsinki, FIN)

FINAL date 22-Jul-52 wind 1.7 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Jackson, Marjorie (AUS) (1931)	no information available								(11.67)	=WR	11.5	6 / 1		# of strides	52.7
Hasenjäger, Daphne (RSA) (1929)	no information available								(12.05)		11.8	3 / 2		# of strides	52.5

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

Strickland, Shirley (AUS) (1925)	no information available	(12.12)	11.9	5 / 3	# of strides	51.5
Cripps, Winsome (AUS) (1931)	no information available	(12.16)	11.9	7 / 4	# of strides	55.0
Sander, Maria (FRG) (1924)	no information available	(12.27)	12.0	4 / 5	# of strides	51.5
Faggs, Mae (USA) (1932)	no information available	(12.27)	12.1	2 / 6	# of strides	59.5

1948 Olympic Games (London, GBR)

FINAL date 02-Aug-48 wind against

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Blankers-Koen, Fanny (NED) (1918)	no information available										11.9	4 / 1	# of strides		51.0
Manley, Dorothy (GBR) (1927)	no information available										12.2	7 / 2	# of strides		50.7
Strickland, Shirley (AUS) (1925)	no information available										12.2	5 / 3	# of strides		52.0
Myers, Viola (CAN) (1927)	no information available										12.3e	2 / 4	# of strides		50.2
Jones, Patricia (CAN) (1930)	no information available										12.3e	6 / 5	# of strides		52.0
Thompson, Cynthia (JAM) (1923)	no information available										12.6	3 / 6	# of strides		54.0

1936 Olympic Games (Berlin, GER)

FINAL date 04-Aug-36 wind 3.5 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stephens, Helen (USA) (1918)	no information available										11.5	5 / 1			
Walasiewicz, Stanisława (POL) (1911)	no information available										11.7	7 / 2			
Krauss, Käthe (GER) (1906)	no information available										11.9	6 / 3			
Dollinger, Marie (GER) (1910)	no information available										12.0	2 / 4			
Rogers, Annette (USA) (1913)	no information available										12.2	3 / 5			
Albus, Emmy (GER) (1911)	no information available										12.3	4 / 6			

1932 Olympic Games (Los Angeles, CA)

FINAL date 02-Aug-32 wind

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Walasiewicz, Stanisława (POL) (1911)	no information available									=WR	11.9	6 / 1	# of strides		54.5
Strike, Hilda (CAN) (1910)	no information available										11.9	4 / 2	# of strides		55.5
Von Bremen, Wilhelmina (USA) (1909)	no information available										12.0	2 / 3	# of strides		49.7
Dollinger, Marie (GER) (1910)	no information available										12.2e	5 / 4	# of strides		53.0
Hiscock, Eileen (GBR) (1909)	no information available										12.3e	7 / 5	# of strides		
Wilde, Elizabeth (USA) (1913)	no information available										12.3e	3 / 6	# of strides		51.0

1928 Olympic Games (Amsterdam, NED)

FINAL date 31-Jul-28 wind

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Robinson, Betty (USA) (1911)	no information available									=WR	12.2	6 / 1	# of strides		50.5
Rosenfeld, Fanny (CAN) (1904)	no information available										12.2e	7 / 2	# of strides		59.2
Smith, Ethel (CAN) (1907)	no information available										12.3e	2 / 3	# of strides		53.5
Steinberg, Erna (GER) (1911)	no information available										12.4e	5 / 4	# of strides		54.5