

## Men's 100m Split Times - by athletics meeting

LAST UPDATE: 29-Sep-23

## 2023 Prefontaine Classic (Eugene, OR)

## Para FINAL

		date	17-Sep-23	wind	0.0 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
Malone, Noah (USA) (T12)	time				1.95	3.02	4.01	4.95	5.89	6.81	7.76	8.72	9.70	10.72	10.72	5 / 1			
	reaction time	0.157	interval			1.07	0.99	0.94	0.94	0.92	0.95	0.96	0.98	1.02		# of strides	4.01	2.80	2.89
			velocity		5.13	9.35	10.10	10.64	10.64	10.87	10.53	10.42	10.20	9.80	9.33	48.0	7.48	10.71	10.38
Shaw, Zachary (GBR) (1995) (T12)	time				2.05	3.18	4.19	5.17	6.12	7.07	8.02	8.98	9.96	10.99	10.99	4 / 2			
	reaction time	0.147	interval			1.13	1.01	0.98	0.95	0.95	0.95	0.96	0.98	1.03		# of strides	4.19	2.88	2.89
			velocity		4.88	8.85	9.90	10.20	10.53	10.53	10.53	10.42	10.20	9.71	9.10	52.0	7.16	10.42	10.38
Blackwell, Jaydin (USA) (2004) (T3)	time				2.11	3.21	4.22	5.19	6.14	7.09	8.05	9.02	10.00	11.01	11.01	8 / 3			
	reaction time	0.204	interval			1.10	1.01	0.97	0.95	0.95	0.96	0.97	0.98	1.01		# of strides	4.22	2.87	2.91
			velocity		4.74	9.09	9.90	10.31	10.53	10.53	10.42	10.31	10.20	9.90	9.08	47.0	7.11	10.45	10.31
Zorzi, Axel (FRA) (1997) (T13)	time				2.06	3.19	4.20	5.19	6.17	7.15	8.14	9.17	10.20	11.29	11.29	3 / 4			
	reaction time	0.166	interval			1.13	1.01	0.99	0.98	0.98	0.99	1.03	1.03	1.09		# of strides	4.20	2.95	3.05
			velocity		4.85	8.85	9.90	10.10	10.20	10.20	10.10	9.71	9.71	9.17	8.86	49.7	7.14	10.17	9.84
Hendriks, Olivier (NED) (2003) (T6)	time				2.24	3.43	4.49	5.50	6.48	7.43	8.40	9.37	10.36	11.39	11.39	2 / 5			
	reaction time	0.209	interval			1.19	1.06	1.01	0.98	0.95	0.97	0.97	0.99	1.03		# of strides	4.49	2.94	2.93
			velocity		4.46	8.40	9.43	9.90	10.20	10.53	10.31	10.31	10.10	9.71	8.78	49.5	6.68	10.20	10.24
Walsler, Andreas (GER) (1996) (T1)	time				2.14	3.32	4.38	5.41	6.42	7.43	8.46	9.49	10.55	11.65	11.65	6 / 6			
	reaction time	0.175	interval			1.18	1.06	1.03	1.01	1.01	1.03	1.03	1.06	1.10		# of strides	4.38	3.05	3.12
			velocity		4.67	8.47	9.43	9.71	9.90	9.90	9.71	9.71	9.43	9.09	8.58	46.0	6.85	9.84	9.62
Mayhugh, Nicholas (USA) (1995) (T1)	time				2.11	3.28	4.36	5.40	6.43	7.47	8.55	9.64	10.76	11.90	11.90	7 / 7			
	reaction time	0.173	interval			1.17	1.08	1.04	1.03	1.04	1.08	1.09	1.12	1.14		# of strides	4.36	3.11	3.29
			velocity		4.74	8.55	9.26	9.62	9.71	9.62	9.26	9.17	8.93	8.77	8.40	49.2	6.88	9.65	9.12
di Marino, Emanuele (ITA) (1989) (T1)	time				2.25	3.48	4.62	5.72	6.82	7.92	9.02	10.14	11.27	12.44	12.44	1 / 8			
	reaction time	0.137	interval			1.23	1.14	1.10	1.10	1.10	1.12	1.13	1.17		# of strides	4.62	3.30	3.35	
			velocity		4.44	8.13	8.77	9.09	9.09	9.09	9.09	8.93	8.85	8.55	8.04	54.0	6.49	9.09	8.96

## FINAL

		date	16-Sep-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
Coleman, Christian (USA) (1996)	time				1.87	2.89	3.80	4.67	5.52	6.36	7.21	8.07	8.93	9.83	9.83	4 / 1			
	reaction time	0.147	interval			1.02	0.91	0.87	0.85	0.84	0.85	0.86	0.86	0.90		# of strides	3.80	2.56	2.57
			velocity		5.35	9.80	10.99	11.49	11.76	11.90	11.76	11.63	11.63	11.11	10.17	46.0	7.89	11.72	11.67
Lyles, Noah (USA) (1997)	time				1.94	2.98	3.90	4.78	5.64	6.48	7.31	8.15	8.99	9.85	9.85	5 / 2			
	reaction time	0.155	interval			1.04	0.92	0.88	0.86	0.84	0.83	0.84	0.84	0.86		# of strides	3.90	2.58	2.51
			velocity		5.15	9.62	10.87	11.36	11.63	11.90	12.05	11.90	11.90	11.63	10.15	44.0	7.69	11.63	11.95
Omanyala, Ferdinand (KEN) (1996)	time				1.91	2.92	3.84	4.71	5.56	6.40	7.24	8.10	8.97	9.85	9.85	3 / 3			
	reaction time	0.135	interval			1.01	0.92	0.87	0.85	0.84	0.84	0.86	0.87	0.88		# of strides	3.84	2.56	2.57
			velocity		5.24	9.90	10.87	11.49	11.76	11.90	11.90	11.63	11.49	11.36	10.15	47.5	7.81	11.72	11.67
Thompson, Kishane (JAM) (2001)	time				1.87	2.89	3.81	4.68	5.53	6.38	7.24	8.09	8.96	9.87	9.87	7 / 4			
	reaction time	0.129	interval			1.02	0.92	0.87	0.85	0.85	0.86	0.85	0.87	0.91		# of strides	3.81	2.57	2.58
			velocity		5.35	9.80	10.87	11.49	11.76	11.76	11.63	11.76	11.49	10.99	10.13	45.0	7.87	11.67	11.63
Bracy-Williams, Marvin (USA) (199)	time				1.90	2.93	3.86	4.75	5.62	6.48	7.35	8.21	9.09	10.01	10.01	8 / 5			
	reaction time	0.136	interval			1.03	0.93	0.89	0.87	0.86	0.87	0.86	0.88	0.92		# of strides	3.86	2.62	2.61
			velocity		5.26	9.71	10.75	11.24	11.49	11.63	11.49	11.63	11.36	10.87	9.99	47.0	7.77	11.45	11.49
Blake, Yohan (JAM) (1989)	time				1.88	2.92	3.87	4.78	5.67	6.54	7.41	8.28	9.17	10.08	10.08	1 / 6			
	reaction time	0.147	interval			1.04	0.95	0.91	0.89	0.87	0.87	0.87	0.89	0.91		# of strides	3.87	2.67	2.63
			velocity		5.32	9.62	10.53	10.99	11.24	11.49	11.49	11.49	11.24	10.99	9.92	46.0	7.75	11.24	11.41
Hartmann, Joshua (GER) (1999)	time				1.95	3.01	3.97	4.87	5.76	6.64	7.52	8.41	9.31	10.30	10.30	9 / 7			
	reaction time	0.152	interval			1.06	0.96	0.90	0.89	0.88	0.88	0.89	0.90	0.99		# of strides	3.97	2.67	2.67
			velocity		5.13	9.43	10.42	11.11	11.24	11.36	11.36	11.24	11.11	10.10	9.71	43.7	7.56	11.24	11.24
Tebogo, Letsile (BOT) (2003)	time				1.90	2.96	3.90	4.80	5.68	6.55	7.45	8.37	9.39	10.61	10.61	6 / 8			
	reaction time	0.146	interval			1.06	0.94	0.90	0.88	0.87	0.90	0.92	1.02	1.22		# of strides	3.90	2.65	2.84
			velocity		5.26	9.43	10.64	11.11	11.36	11.49	11.11	10.87	9.80	8.20	9.43	43.0	7.69	11.32	10.56

## 2023 Memorial van Damme (Brussels, BEL)

## 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
Vandezande, Rune (BEL) (2007)	time				2.03	3.15	4.16	5.13	6.09	7.04	8.01	8.98	9.98	10.99	10.99	2 / 1			
	reaction time	0.137	interval			1.12	1.01	0.97	0.96	0.95	0.97	0.97	1.00	1.01	PB	# of strides	4.16	2.88	2.94
			velocity																

	velocity	4.93	8.93	9.90	10.31	10.42	10.53	10.31	10.31	10.00	9.90	9.10		7.21	10.42	10.20	
<b>van de Cloodt, Niels (BEL) (2006)</b>	time	2.05	3.16	4.18	5.15	6.12	7.09	8.06	9.05	10.05	11.07	11.07	5 / 2				
	reaction time	0.172	interval	1.11	1.02	0.97	0.97	0.97	0.99	1.00	1.02		# of strides	4.18	2.91	2.96	
	velocity	4.88	9.01	9.80	10.31	10.31	10.31	10.31	10.10	10.00	9.80	9.03		7.18	10.31	10.14	
<b>Rousseau, Xavier (BEL) (2006)</b>	time	2.10	3.23	4.25	5.23	6.20	7.16	8.12	9.09	10.08	11.08	11.08	4 / 3				
	reaction time	0.180	interval	1.13	1.02	0.98	0.97	0.96	0.97	0.99	1.00		# of strides	4.25	2.91	2.92	
	velocity	4.76	8.85	9.80	10.20	10.31	10.42	10.42	10.31	10.10	10.00	9.03		7.06	10.31	10.27	
<b>Planchon, Jilcien (BEL) (2006)</b>	time	2.02	3.14	4.16	5.13	6.10	7.07	8.05	9.04	10.07	11.12	11.12	1 / 4				
	reaction time	0.135	interval	1.12	1.02	0.97	0.97	0.97	0.98	0.99	1.03	1.05	PB	# of strides	4.16	2.91	3.00
	velocity	4.95	8.93	9.80	10.31	10.31	10.31	10.20	10.10	9.71	9.52	8.99		7.21	10.31	10.00	
<b>van Raemdonck, Kobe (BEL) (2001)</b>	time	2.04	3.19	4.22	5.20	6.18	7.16	8.15	9.15	10.18	11.22	11.22	7 / 5				
	reaction time	0.160	interval	1.15	1.03	0.98	0.98	0.98	0.99	1.00	1.03	1.04	# of strides	4.22	2.94	3.02	
	velocity	4.90	8.70	9.71	10.20	10.20	10.20	10.10	10.00	9.71	9.62	8.91		7.11	10.20	9.93	
<b>Carchon, Robbe (BEL) (2006)</b>	time	2.05	3.19	4.23	5.23	6.22	7.22	8.22	9.23	10.25	11.29	11.29	8 / 6				
	reaction time	0.152	interval	1.14	1.04	1.00	0.99	1.00	1.00	1.01	1.02	1.04	# of strides	4.23	2.99	3.03	
	velocity	4.88	8.77	9.62	10.00	10.10	10.00	10.00	9.90	9.80	9.62	8.86		7.09	10.03	9.90	
<b>Lecomte, Tiago (BEL) (2007)</b>	time	2.06	3.21	4.26	5.27	6.27	7.26	8.25	9.25	10.26	11.30	11.30	3 / 7				
	reaction time	0.155	interval	1.15	1.05	1.01	1.00	0.99	0.99	1.00	1.01	1.04	# of strides	4.26	3.00	3.00	
	velocity	4.85	8.70	9.52	9.90	10.00	10.10	10.10	10.00	9.90	9.62	8.85		7.04	10.00	10.00	
<b>Bogaert, Mateo (BEL) (2006)</b>	time	2.10	3.25	4.29	5.30	6.29	7.29	8.28	9.29	10.32	11.37	11.37	6 / 8				
	reaction time	0.145	interval	1.15	1.04	1.01	0.99	1.00	0.99	1.01	1.03	1.05	# of strides	4.29	3.00	3.03	
	velocity	4.76	8.70	9.62	9.90	10.10	10.00	10.10	9.90	9.71	9.52	8.80		6.99	10.00	9.90	

## 2023 Xiamen Diamond League (Xiamen, CHN)

## 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	
<b>Coleman, Christian (USA) (1996)</b>	0.135	no information available										9.83	4 / 1	# of strides 46.5					
<b>Thompson, Kishane (JAM) (2001)</b>	time	1.87	2.91	3.82	4.69	5.55	6.40	7.25	8.10	8.97	9.85	9.85	10 / 2						
	reaction time	0.145	interval	1.04	0.91	0.87	0.86	0.85	0.85	0.87	0.88	PB	# of strides	3.82	2.58	2.57			
	velocity	5.35	9.62	10.99	11.49	11.63	11.76	11.76	11.76	11.49	11.36	10.15		45.5	7.85	11.63	11.67		
<b>Kerley, Fred (USA) (1995)</b>	time	1.89	2.94	3.88	4.78	5.64	6.50	7.36	8.22	9.08	9.96	9.96	5 / 3						
	reaction time	0.159	interval	1.05	0.94	0.90	0.86	0.86	0.86	0.86	0.88		# of strides	3.88	2.62	2.58			
	velocity	5.29	9.52	10.64	11.11	11.63	11.63	11.63	11.63	11.63	11.36	10.04		44.0	7.73	11.45	11.63		
<b>Carnes, Brandon (USA) (1995)</b>	time	1.87	2.93	3.88	4.78	5.66	6.52	7.38	8.25	9.12	10.01	10.01	1 / 4						
	reaction time	0.127	interval	1.06	0.95	0.90	0.88	0.86	0.86	0.87	0.87	0.89	PB	# of strides	3.88	2.64	2.60		
	velocity	5.35	9.43	10.53	11.11	11.36	11.63	11.63	11.49	11.49	11.24	9.99		47.0	7.73	11.36	11.54		
<b>Bracy-Williams, Marvin (USA) (199)</b>	time	1.89	2.94	3.87	4.76	5.63	6.50	7.36	8.23	9.11	10.02	10.02	7 / 5						
	reaction time	0.125	interval	1.05	0.93	0.89	0.87	0.86	0.87	0.88	0.91		# of strides	3.87	2.63	2.61			
	velocity	5.29	9.52	10.75	11.24	11.49	11.49	11.63	11.49	11.36	10.99	9.98		47.0	7.75	11.41	11.49		
<b>Blake, Yohan (JAM) (1989)</b>	time	1.87	2.92	3.86	4.77	5.65	6.52	7.38	8.26	9.14	10.04	10.04	3 / 6						
	reaction time	0.143	interval	1.05	0.94	0.91	0.88	0.87	0.86	0.88	0.90		# of strides	3.86	2.66	2.62			
	velocity	5.35	9.52	10.64	10.99	11.36	11.49	11.63	11.36	11.36	11.11	9.96		46.0	7.77	11.28	11.45		
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	time	1.89	2.95	3.89	4.79	5.66	6.52	7.38	8.26	9.14	10.05	10.05	6 / 7						
	reaction time	0.131	interval	1.06	0.94	0.90	0.87	0.86	0.86	0.88	0.91		# of strides	3.89	2.63	2.62			
	velocity	5.29	9.43	10.64	11.11	11.49	11.63	11.63	11.36	11.36	10.99	9.95		44.0	7.71	11.41	11.45		
<b>Xie Zhenye (CHN) (1993)</b>	time	1.93	2.96	3.90	4.79	5.67	6.54	7.42	8.30	9.19	10.12	10.12	2 / 8						
	reaction time	0.151	interval	1.03	0.94	0.89	0.88	0.87	0.88	0.89	0.93		# of strides	3.90	2.64	2.65			
	velocity	5.18	9.71	10.64	11.24	11.36	11.49	11.36	11.36	11.24	10.75	9.88		47.5	7.69	11.36	11.32		
<b>Watson, Rohan (JAM) (2002)</b>	time	1.91	2.98	3.95	4.86	5.75	6.63	7.50	8.38	9.27	10.18	10.18	9 / 9						
	reaction time	0.140	interval	1.07	0.97	0.91	0.89	0.88	0.87	0.88	0.91		# of strides	3.95	2.68	2.64			
	velocity	5.24	9.35	10.31	10.99	11.24	11.36	11.49	11.36	11.24	10.99	9.82		48.0	7.59	11.19	11.36		

## National FINAL

	date	02-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	
<b>Wang Shuang (CHN) (2004)</b>	time	1.93	2.99	3.95	4.86	5.75	6.64	7.53	8.43	9.35	10.27	10.27	2 / 1						
	reaction time	0.130	interval	1.06	0.96	0.91	0.89	0.89	0.90	0.92	0.92		# of strides	3.95	2.69	2.71			
	velocity	5.18	9.43	10.42	10.99	11.24	11.24	11.24	11.11	10.87	10.87	9.74		49.0	7.59	11.15	11.07		
<b>Deng Zhijian (CHN) (2002)</b>	time	1.93	3.01	3.96	4.88	5.78	6.67	7.57	8.48	9.40	10.33	10.33	7 / 2						
	reaction time	0.145	interval	1.08	0.95	0.92	0.90	0.89	0.90	0.91	0.92	0.93	# of strides	3.96	2.71	2.73			
	velocity	5.18	9.26	10.53	10.87	11.11	11.24	11.11	10.99	10.87	10.75	9.68		45.0	7.58	11.07	10.99		

<b>Chen Guanfeng (CHN) (2000)</b>	time	1.92	2.97	3.92	4.83	5.72	6.61	7.51	8.43	9.37	10.34	10.34	4 / 3				
reaction time	0.146	interval	1.05	0.95	0.91	0.89	0.89	0.90	0.92	0.94	0.97		# of strides	3.92	2.69	2.76	
		velocity	5.21	9.52	10.53	10.99	11.24	11.24	11.11	10.87	10.64	10.31	9.67	45.5	7.65	11.15	10.87
<b>Yan Haibin (CHN) (2003)</b>	time	1.97	3.04	3.99	4.90	5.79	6.69	7.59	8.50	9.42	10.35	10.35	8 / 4				
reaction time	0.188	interval	1.07	0.95	0.91	0.89	0.90	0.90	0.91	0.92	0.93		# of strides	3.99	2.70	2.73	
		velocity	5.08	9.35	10.53	10.99	11.24	11.11	11.11	10.99	10.87	10.75	9.66	46.0	7.52	11.11	10.99
<b>Chen Jiapeng (CHN) (2002)</b>	time	2.00	3.08	4.04	4.96	5.85	6.74	7.63	8.54	9.46	10.39	10.39	5 / 5				
reaction time	0.133	interval	1.08	0.96	0.92	0.89	0.89	0.89	0.91	0.92	0.93		# of strides	4.04	2.70	2.72	
		velocity	5.00	9.26	10.42	10.87	11.24	11.24	11.24	10.99	10.87	10.75	9.62	47.7	7.43	11.11	11.03
<b>Zhang Haijian (CHN) (2002)</b>	time	1.92	2.97	3.92	4.83	5.73	6.64	7.55	8.48	9.43	10.41	10.41	6 / 6				
reaction time	0.151	interval	1.05	0.95	0.91	0.90	0.91	0.91	0.93	0.95	0.98		# of strides	3.92	2.72	2.79	
		velocity	5.21	9.52	10.53	10.99	11.11	10.99	10.99	10.75	10.53	10.20	9.61	47.5	7.65	11.03	10.75

## 2023 World Athletics Championships (Budapest, HUN)

## FINAL

date 20-Aug-23 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
<b>Lyles, Noah (USA) (1997)</b>	0.145	no information available										9.83	6 / 1	# of strides	44.0	
<b>Tebogo, Letsile (BOT) (2003)</b>	0.129	no information available										9.88	3 / 2	# of strides	42.2	
<b>Hughes, Zharnel (GBR) (1995)</b>	0.105	no information available										9.88	5 / 3	# of strides	45.0	
<b>Seville, Oblique (JAM) (2001)</b>	0.148	no information available										9.88	7 / 4	# of strides	48.0	
<b>Coleman, Christian (USA) (1996)</b>	0.137	no information available										9.92	4 / 5	# of strides	47.0	
<b>Sani Brown, Abdul Hakim (JPN) (1996)</b>	0.177	no information available										10.04	8 / 6	# of strides	43.7	
<b>Omanyala, Ferdinand (KEN) (1996)</b>	0.152	no information available										10.07	9 / 7	# of strides	48.0	
<b>Forde, Ryley (JAM) (2001)</b>	0.188	no information available										10.08	2 / 8	# of strides	44.0	

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

## FINAL

date 21-Jul-23 wind 0.6 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
<b>Omanyala, Ferdinand (KEN) (1996)</b>	time	1.91	2.95	3.88	4.75	5.61	6.47	7.32	8.18	9.05	9.92	9.92	4 / 1			
reaction time	0.156	interval	1.04	0.93	0.87	0.86	0.86	0.85	0.86	0.87	0.87		# of strides	3.88	2.59	2.58
		velocity	5.24	9.62	10.75	11.49	11.63	11.76	11.63	11.49	11.49	10.08	48.0	7.73	11.58	11.63
<b>Tebogo, Letsile (BOT) (2003)</b>	time	1.87	2.92	3.87	4.77	5.64	6.50	7.35	8.21	9.06	9.93	9.93	5 / 2			
reaction time	0.138	interval	1.05	0.95	0.90	0.87	0.86	0.85	0.86	0.85	0.87		# of strides	3.87	2.63	2.56
		velocity	5.35	9.52	10.53	11.11	11.49	11.63	11.76	11.63	11.49	10.07	42.5	7.75	11.41	11.72
<b>Blake, Akeem (BOT) (2002)</b>	time	1.87	2.90	3.83	4.72	5.60	6.47	7.34	8.22	9.11	10.00	10.00	3 / 3			
reaction time	0.140	interval	1.03	0.93	0.89	0.88	0.87	0.87	0.88	0.89	0.89		# of strides	3.83	2.64	2.64
		velocity	5.35	9.71	10.75	11.24	11.36	11.49	11.36	11.24	11.24	10.00	47.0	7.83	11.36	11.36
<b>Blake, Yohan (JAM) (1989)</b>	time	1.88	2.92	3.86	4.75	5.63	6.49	7.36	8.24	9.11	10.01	10.01	2 / 4			
reaction time	0.159	interval	1.04	0.94	0.89	0.88	0.86	0.87	0.88	0.87	0.90		# of strides	3.86	2.63	2.62
		velocity	5.32	9.62	10.64	11.24	11.36	11.63	11.49	11.36	11.11	9.99	46.0	7.77	11.41	11.45
<b>Thompson, Kishane (JAM) (2001)</b>	time	1.92	2.95	3.88	4.76	5.63	6.49	7.36	8.23	9.12	10.04	10.04	7 / 5			
reaction time	0.186	interval	1.03	0.93	0.88	0.87	0.86	0.87	0.87	0.89	0.92		# of strides	3.88	2.61	2.63
		velocity	5.21	9.71	10.75	11.36	11.49	11.63	11.49	11.49	11.24	9.96	44.5	7.73	11.49	11.41
<b>Hartmann, Joshua (GER) (1999)</b>	time	1.93	2.99	3.94	4.84	5.72	6.59	7.47	8.35	9.24	10.15	10.15	1 / 6			
reaction time	0.159	interval	1.06	0.95	0.90	0.88	0.87	0.88	0.88	0.89	0.91		# of strides	3.94	2.65	2.65
		velocity	5.18	9.43	10.53	11.11	11.36	11.49	11.36	11.24	10.99	9.85	44.0	7.61	11.32	11.32
<b>Lindsey, Courtney (USA) (1998)</b>	time	1.92	2.96	3.91	4.82	5.71	6.59	7.46	8.35	9.25	10.16	10.16	6 / 7			
reaction time	0.171	interval	1.04	0.95	0.91	0.89	0.88	0.87	0.89	0.90	0.91		# of strides	3.91	2.68	2.66
		velocity	5.21	9.62	10.53	10.99	11.24	11.36	11.49	11.24	11.11	9.84	47.0	7.67	11.19	11.28
<b>Cissé, Arthur (CIV) (1996)</b>	time	1.91	2.96	3.89	4.78	5.67	6.54	7.43	8.33	9.25	10.21	10.21	8 / 8			
reaction time	0.156	interval	1.05	0.93	0.89	0.89	0.87	0.89	0.90	0.92	0.96		# of strides	3.89	2.65	2.71
		velocity	5.24	9.52	10.75	11.24	11.24	11.49	11.24	11.11	10.87	9.79	49.0	7.71	11.32	11.07

## 2023 Kamila Skolimowska Memorial (Silesia, POL)

## FINAL

date 16-Jul-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
<b>Simbine, Akani (RSA) (1993)</b>	time	1.92	2.97	3.91	4.80	5.66	6.52	7.37	8.23	9.09	9.97	9.97	4 / 1			
reaction time	0.150	interval	1.05	0.94	0.89	0.86	0.86	0.85	0.86	0.86	0.88		# of strides	3.91	2.61	2.57
		velocity	5.21	9.52	10.64	11.24	11.63	11.63	11.76	11.63	11.36	10.03	47.7	7.67	11.49	11.67
<b>Kerley, Fred (USA) (1995)</b>	time	1.90	2.93	3.87	4.77	5.64	6.50	7.36	8.23	9.10	9.98	9.98	5 / 2			
reaction time	0.152	interval	1.03	0.94	0.90	0.87	0.86	0.86	0.87	0.87	0.88		# of strides	3.87	2.63	2.60
		velocity	5.26	9.71	10.64	11.11	11.49	11.63	11.63	11.49	11.36	10.02	44.0	7.75	11.41	11.54
<b>Eseme, Emmanuel (CMR) (1993)</b>	time	1.91	2.97	3.91	4.81	5.68	6.54	7.38	8.24	9.09	9.98	9.98	1 / 3			

reaction time	0.141	interval	1.06	0.94	0.90	0.87	0.86	0.84	0.86	0.85	0.89		# of strides	3.91	2.63	2.55
velocity	5.24	9.43	10.64	11.11	11.49	11.63	11.90	11.63	11.76	11.24	10.02		44.2	7.67	11.41	11.76
<b>Charleston, Cravont (USA) (1998)</b>	time	1.86	2.88	3.81	4.71	5.58	6.45	7.32	8.19	9.08	9.99	9.99	6 / 4			
reaction time	0.151	interval	1.02	0.93	0.90	0.87	0.87	0.87	0.87	0.89	0.91		# of strides	3.81	2.64	2.63
velocity	5.38	9.80	10.75	11.11	11.49	11.49	11.49	11.49	11.24	10.99	10.01		46.0	7.87	11.36	11.41
<b>Blake, Yohan (JAM) (1989)</b>	time	1.89	2.93	3.86	4.76	5.64	6.50	7.37	8.23	9.11	10.01	10.01	2 / 5			
reaction time	0.166	interval	1.04	0.93	0.90	0.88	0.86	0.87	0.86	0.88	0.90		# of strides	3.86	2.64	2.61
velocity	5.29	9.62	10.75	11.11	11.36	11.63	11.49	11.63	11.36	11.11	9.99		46.0	7.77	11.36	11.49
<b>Bracy-Williams, Marvin (USA) (199)</b>	time	1.91	2.95	3.89	4.79	5.66	6.53	7.40	8.28	9.18	10.10	10.10	3 / 6			
reaction time	0.138	interval	1.04	0.94	0.90	0.87	0.87	0.87	0.88	0.90	0.92		# of strides	3.89	2.64	2.65
velocity	5.24	9.62	10.64	11.11	11.49	11.49	11.49	11.36	11.11	10.87	9.90		47.0	7.71	11.36	11.32
<b>Blake, Ackeem (JAM) (2002)</b>	time	1.90	2.93	3.87	4.77	5.66	6.53	7.42	8.30	9.20	10.15	10.15	7 / 7			
reaction time	0.148	interval	1.03	0.94	0.90	0.89	0.87	0.89	0.88	0.90	0.95		# of strides	3.87	2.66	2.67
velocity	5.26	9.71	10.64	11.11	11.24	11.49	11.24	11.36	11.11	10.53	9.85		47.0	7.75	11.28	11.24
<b>Austin, Pjai (USA) (2000)</b>	time	1.92	2.97	3.93	4.83	5.72	6.61	7.49	8.38	9.30	10.23	10.23	8 / 8			
reaction time	0.155	interval	1.05	0.96	0.90	0.89	0.89	0.88	0.89	0.92	0.93		# of strides	3.93	2.68	2.69
velocity	5.21	9.52	10.42	11.11	11.24	11.24	11.36	11.24	10.87	10.75	9.78		45.5	7.63	11.19	11.15
<b>Azu, Jeremiah (GBR) (2001)</b>	time	1.91	2.98	3.95	0.86	5.77	6.66	7.55	8.45	9.36	10.31	10.31	9 / 9			
reaction time	0.144	interval	1.07	0.97	-3.09	4.91	0.89	0.89	0.90	0.91	0.95		# of strides	3.95	2.71	2.70
velocity	5.24	9.35	10.31	-3.24	2.04	11.24	11.24	11.11	10.99	10.53	9.70		46.7	7.59	11.07	11.11

## 2023 Bauhaus Galan (Stockholm, SWE)

## FINAL

	date	02-Jul-23	wind	1.0 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
<b>Simbine, Akani (RSA) (1993)</b>	0.150	no information available										10.03	5 / 1	# of strides		47.2		
<b>Prescod, Reece (GBR) (1996)</b>	time	1.92	2.99	3.93	4.83	5.71	6.58	7.45	8.32	9.21	10.14	10.14	4 / 2					
reaction time	0.110	interval	1.07	0.94	0.90	0.88	0.87	0.87	0.87	0.89	0.93		# of strides	3.93	2.65	2.63		
velocity	5.21	9.35	10.64	11.11	11.36	11.49	11.49	11.49	11.24	10.75	9.86		44.0	7.63	11.32	11.41		
<b>Hartmann, Joshua (GER) (1999)</b>	time	1.89	2.97	3.93	4.85	5.75	6.64	7.53	8.43	9.35	10.23	10.23	8 / 3					
reaction time	0.160	interval	1.08	0.96	0.92	0.90	0.89	0.89	0.90	0.92	0.88		# of strides	3.93	2.71	2.71		
velocity	5.29	9.26	10.42	10.87	11.11	11.24	11.24	11.11	10.87	11.36	9.78		44.0	7.63	11.07	11.07		
<b>Bouju, Raphael (NED) (2002)</b>	time	1.89	2.96	3.93	4.84	5.74	6.63	7.51	8.41	9.31	10.24	10.24	6 / 4					
reaction time	0.142	interval	1.07	0.97	0.91	0.90	0.89	0.88	0.90	0.90	0.93		# of strides	3.93	2.70	2.68		
velocity	5.29	9.35	10.31	10.99	11.11	11.24	11.36	11.11	11.11	10.75	9.77		46.0	7.63	11.11	11.19		
<b>Brown, Aaron (CAN) (1992)</b>	time	1.92	2.98	3.94	4.85	5.72	6.61	7.49	8.39	9.30	10.27	10.27	7 / 5					
reaction time	0.147	interval	1.06	0.96	0.91	0.87	0.89	0.88	0.90	0.91	0.97		# of strides	3.94	2.67	2.69		
velocity	5.21	9.43	10.42	10.99	11.49	11.24	11.36	11.11	10.99	10.31	9.74		47.7	7.61	11.24	11.15		
<b>Sani Brown, Abdul Hakim (JPN) (1992)</b>	time	1.91	2.97	3.93	4.83	5.73	6.62	7.51	8.41	9.34	10.33	10.33	2 / 6					
reaction time	0.148	interval	1.06	0.96	0.90	0.90	0.89	0.89	0.90	0.93	0.99		# of strides	3.93	2.69	2.72		
velocity	5.24	9.43	10.42	11.11	11.11	11.24	11.24	11.11	10.75	10.10	9.68		45.0	7.63	11.15	11.03		
<b>Larsson, Henrik (SWE) (1999)</b>	time	1.91	2.99	3.97	4.90	5.81	6.72	7.63	8.55	9.48	10.46	10.46	3 / 7					
reaction time	0.129	interval	1.08	0.98	0.93	0.91	0.91	0.91	0.92	0.93	0.98		# of strides	3.97	2.75	2.76		
velocity	5.24	9.26	10.20	10.75	10.99	10.99	10.99	10.87	10.75	10.20	9.56		45.5	7.56	10.91	10.87		
<b>Vicaut, Jimmy (FRA) (1992)</b>	time	1.97	3.10	4.11	5.11	6.13	7.20	8.36	9.67	11.25	13.34	13.34	1 / 8					
reaction time	0.159	interval	1.13	1.01	1.00	1.02	1.07	1.16	1.31	1.58	2.09		# of strides	4.11	3.09	4.05		
velocity	5.08	8.85	9.90	10.00	9.80	9.35	8.62	7.63	6.33	4.78	7.50		7.30	9.71	7.41			

## National FINAL

	date	02-Jul-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
<b>Hartmann, Joshua (GER) (1999)</b>	time	1.96	3.02	3.98	4.89	5.78	6.67	7.54	8.43	9.33	10.23	10.23	5 / 1					
reaction time	0.153	interval	1.06	0.96	0.91	0.89	0.89	0.87	0.89	0.90	0.90		# of strides	3.98	2.69	2.66		
velocity	5.10	9.43	10.42	10.99	11.24	11.24	11.49	11.24	11.11	11.11	9.78		7.54	11.15	11.28			
<b>Richardson, Benjamin (RSA) (200)</b>	time	1.94	3.01	3.97	4.88	5.77	6.65	7.54	8.42	9.33	10.24	10.24	7 / 2					
reaction time	0.163	interval	1.07	0.96	0.91	0.89	0.88	0.89	0.88	0.91	0.91		# of strides	3.97	2.68	2.68		
velocity	5.15	9.35	10.42	10.99	11.24	11.36	11.24	11.36	10.99	10.99	9.77		7.56	11.19	11.19			
<b>Blake, Jerome (CAN) (1995)</b>	time	2.00	3.07	4.05	4.97	5.87	6.75	7.62	8.51	9.41	10.30	10.30	3 / 3					
reaction time	0.147	interval	1.07	0.98	0.92	0.90	0.88	0.87	0.89	0.90	0.89		# of strides	4.05	2.70	2.66		
velocity	5.00	9.35	10.20	10.87	11.11	11.36	11.49	11.24	11.11	11.24	9.71		7.41	11.11	11.28			
<b>Rogo, Desmond (SWE) (1996)</b>	time	1.99	3.09	4.08	5.03	5.95	6.86	7.77	8.69	9.62	10.55	10.55	6 / 4					
reaction time	0.133	interval	1.10	0.99	0.95	0.92	0.91	0.91	0.92	0.93	0.93		# of strides	4.08	2.78	2.76		

	velocity	5.03	9.09	10.10	10.53	10.87	10.99	10.99	10.87	10.75	10.75	9.48		7.35	10.79	10.87
<b>Hughes, Isak (SWE) (2005)</b>	time	2.00	3.08	4.07	5.01	5.93	6.85	7.76	8.70	9.64	10.57	10.57	4 / 5			
reaction time	0.142	interval	1.08	0.99	0.94	0.92	0.92	0.91	0.94	0.94	0.93		# of strides	4.07	2.78	2.79
	velocity	5.00	9.26	10.10	10.64	10.87	10.87	10.99	10.64	10.64	10.75	9.46		7.37	10.79	10.75
<b>Plesse, Simon (SWE) (2002)</b>	time	1.99	3.06	4.04	4.98	5.92	6.84	7.78	8.73	9.70	10.67	10.67	1 / 6			
reaction time	0.194	interval	1.07	0.98	0.94	0.94	0.92	0.94	0.95	0.97	0.97		# of strides	4.04	2.80	2.86
	velocity	5.03	9.35	10.20	10.64	10.64	10.87	10.64	10.53	10.31	10.31	9.37		7.43	10.71	10.49
<b>Thor, Viktor (SWE) (2000)</b>	time	1.97	3.07	4.07	5.03	5.96	6.90	7.83	8.78	9.74	10.71	10.71	2 / 7			
reaction time	0.145	interval	1.10	1.00	0.96	0.93	0.94	0.93	0.95	0.96	0.97		# of strides	4.07	2.83	2.84
	velocity	5.08	9.09	10.00	10.42	10.75	10.64	10.75	10.53	10.42	10.31	9.34		7.37	10.60	10.56
<b>Wahlgren, Milo (SWE) (2002)</b>	time	2.00	3.09	4.10	5.05	6.00	6.95	7.89	8.84	9.82	10.81	10.81	8 / 8			
reaction time	0.140	interval	1.09	1.01	0.95	0.95	0.95	0.94	0.95	0.98	0.99		# of strides	4.10	2.85	2.87
	velocity	5.00	9.17	9.90	10.53	10.53	10.53	10.64	10.53	10.20	10.10	9.25		7.32	10.53	10.45

**2023 Athletissima (Lausanne, SUI)****B Race**

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
<b>Mancini, Pascal (SUI) (1989)</b>	time	1.94	3.02	4.00	4.93	5.86	6.77	7.69	8.61	9.56	10.52	10.52	6 / 1			
reaction time	0.139	interval	1.08	0.98	0.93	0.93	0.91	0.92	0.92	0.95	0.96		# of strides	4.00	2.77	2.79
	velocity	5.15	9.26	10.20	10.75	10.75	10.99	10.87	10.87	10.53	10.42	9.51		7.50	10.83	10.75
<b>Svensson, Felix (SUI) (1997)</b>	time	1.98	3.07	4.06	5.00	5.93	6.85	7.77	8.70	9.64	10.60	10.60	7 / 2			
reaction time	0.144	interval	1.09	0.99	0.94	0.93	0.92	0.92	0.93	0.94	0.96		# of strides	4.06	2.79	2.79
	velocity	5.05	9.17	10.10	10.64	10.75	10.87	10.87	10.75	10.64	10.42	9.43		7.39	10.75	10.75
<b>Hirsiger, Alexis (SUI) (2005)</b>	time	1.99	3.08	4.08	5.03	5.96	6.90	7.84	8.79	9.75	10.73	10.73	5 / 3			
reaction time	0.183	interval	1.09	1.00	0.95	0.93	0.94	0.94	0.95	0.96	0.98		# of strides	4.08	2.82	2.85
	velocity	5.03	9.17	10.00	10.53	10.75	10.64	10.64	10.53	10.42	10.20	9.32		7.35	10.64	10.53
<b>Csontos, Joël (SUI) (2005)</b>	time	1.95	3.05	4.05	5.01	5.94	6.88	7.82	8.77	9.74	10.74	10.74	8 / 4			
reaction time	0.161	interval	1.10	1.00	0.96	0.93	0.94	0.94	0.95	0.97	1.00		# of strides	4.05	2.83	2.86
	velocity	5.13	9.09	10.00	10.42	10.75	10.64	10.64	10.53	10.31	10.00	9.31		7.41	10.60	10.49
<b>Eichenberger, Joshua (SUI) (1999)</b>	time	1.95	3.05	4.04	5.00	5.94	6.89	7.83	8.79	9.76	10.74	10.74	3 / 5			
reaction time	0.131	interval	1.10	0.99	0.96	0.94	0.95	0.94	0.96	0.97	0.98		# of strides	4.04	2.85	2.87
	velocity	5.13	9.09	10.10	10.42	10.64	10.53	10.64	10.42	10.31	10.20	9.31		7.43	10.53	10.45
<b>Kern, Lucien (SUI) (2002)</b>	time	2.02	3.12	4.12	5.08	6.03	6.97	7.93	8.90	9.89	10.88	10.88	4 / 6			
reaction time	0.149	interval	1.10	1.00	0.96	0.95	0.94	0.96	0.97	0.99	0.99		# of strides	4.12	2.85	2.92
	velocity	4.95	9.09	10.00	10.42	10.53	10.64	10.42	10.31	10.10	10.10	9.19		7.28	10.53	10.27
<b>Pichonnaz, Alan (SUI) (2001)</b>	time	2.10	3.22	4.22	5.18	6.12	7.06	8.01	8.97	9.95	10.94	10.94	1 / 7			
reaction time	0.173	interval	1.12	1.00	0.96	0.94	0.94	0.95	0.96	0.98	0.99		# of strides	4.22	2.84	2.89
	velocity	4.76	8.93	10.00	10.42	10.64	10.64	10.53	10.42	10.20	10.10	9.14		7.11	10.56	10.38
<b>Perrin, Marc (SUI) (1995)</b>	time	1.94	3.01	4.00	4.95	5.90	6.86	7.84	8.83	9.85	10.95	10.95	2 / 8			
reaction time	0.139	interval	1.07	0.99	0.95	0.95	0.96	0.98	0.99	1.02	1.10		# of strides	4.00	2.86	2.99
	velocity	5.15	9.35	10.10	10.53	10.53	10.42	10.20	10.10	9.80	9.09	9.13		7.50	10.49	10.03

**2023 Meeting de Paris (Paris, FRA)****FINAL**

date 09-Jun-23

wind -0.9 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
<b>Lyles, Noah (USA) (1997)</b>	time	1.94	2.99	3.93	4.82	5.69	6.54	7.39	8.24	9.09	9.97	9.97	4 / 1			
reaction time	0.167	interval	1.05	0.94	0.89	0.87	0.85	0.85	0.85	0.85	0.88		# of strides	3.93	2.61	2.55
	velocity	5.15	9.52	10.64	11.24	11.49	11.76	11.76	11.76	11.76	11.36	10.03		7.63	11.49	11.76
<b>Omanyala, Ferdinand (KEN) (1996)</b>	time	1.90	2.94	3.87	4.74	5.61	6.48	7.33	8.19	9.07	9.98	9.98	6 / 2			
reaction time	0.159	interval	1.04	0.93	0.87	0.87	0.87	0.85	0.86	0.88	0.91		# of strides	3.87	2.61	2.59
	velocity	5.26	9.62	10.75	11.49	11.49	11.49	11.76	11.63	11.36	10.99	10.02		7.75	11.49	11.58
<b>Tebogo, Letsile (BOT) (2003)</b>	time	1.86	2.92	3.87	4.77	5.66	6.54	7.40	8.26	9.14	10.05	10.05	7 / 3			
reaction time	0.148	interval	1.06	0.95	0.90	0.89	0.88	0.86	0.86	0.88	0.91		# of strides	3.87	2.67	2.60
	velocity	5.38	9.43	10.53	11.11	11.24	11.36	11.63	11.63	11.36	10.99	9.95		7.75	11.24	11.54
<b>Blake, Yohan (JAM) (1989)</b>	time	1.86	2.91	3.86	4.76	5.65	6.54	7.42	8.31	9.21	10.16	10.16	3 / 4			
reaction time	0.145	interval	1.05	0.95	0.90	0.89	0.89	0.88	0.89	0.90	0.95		# of strides	3.86	2.68	2.67
	velocity	5.38	9.52	10.53	11.11	11.24	11.24	11.36	11.24	11.11	10.53	9.84		7.77	11.19	11.24
<b>Baker, Ronnie (USA) (1993)</b>	time	1.86	2.91	3.85	4.76	5.65	6.54	7.43	8.32	9.22	10.17	10.17	8 / 5			
reaction time	0.151	interval	1.05	0.94	0.91	0.89	0.89	0.89	0.89	0.90	0.95		# of strides	3.85	2.69	2.68
	velocity	5.38	9.52	10.64	10.99	11.24	11.24	11.24	11.24	11.11	10.53	9.83		7.79	11.15	11.19

<b>Azamati, Benjamin (GHA) (1998)</b>	time	1.89	2.94	3.88	4.79	5.68	6.56	7.45	8.35	9.25	10.20	10.20	1 / 6			
	reaction time	0.187	interval	1.05	0.94	0.91	0.89	0.88	0.89	0.90	0.90	0.95	# of strides	3.88	2.68	2.69
	velocity	5.29	9.52	10.64	10.99	11.24	11.36	11.24	11.11	11.11	10.53	9.80	47.5	7.73	11.19	11.15
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	time	1.87	2.92	3.87	4.77	5.66	6.55	7.43	8.33	9.25	10.21	10.21	5 / 7			
	reaction time	0.140	interval	1.05	0.95	0.90	0.89	0.89	0.88	0.90	0.92	0.96	# of strides	3.87	2.68	2.70
	velocity	5.35	9.52	10.53	11.11	11.24	11.24	11.36	11.11	10.87	10.42	9.79	45.0	7.75	11.19	11.11
<b>Mouhamadou, Fall (FRA) (1992)</b>	time	1.91	2.98	3.93	4.84	5.73	6.61	7.50	8.39	9.28	10.22	10.22	2 / 8			
	reaction time	0.152	interval	1.07	0.95	0.91	0.89	0.88	0.89	0.89	0.94		# of strides	3.93	2.68	2.67
	velocity	5.24	9.35	10.53	10.99	11.24	11.36	11.24	11.24	11.24	10.64	9.78	45.5	7.63	11.19	11.24

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

date 04-Jun-23

wind 0.4 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
<b>Prescod, Reece (GBR) (1996)</b>	time	1.90	2.95	3.89	4.79	5.66	6.53	7.39	8.25	9.10	9.99	9.99	6 / 1			
	reaction time	0.126	interval	1.05	0.94	0.90	0.87	0.87	0.86	0.86	0.85	0.89	# of strides	3.89	2.64	2.57
	velocity	5.26	9.52	10.64	11.11	11.49	11.49	11.63	11.63	11.76	11.24	10.01	43.5	7.71	11.36	11.67
<b>Blake, Yohan (JAM) (1989)</b>	time	1.85	2.90	3.85	4.75	5.64	6.52	7.39	8.26	9.14	10.05	10.05	4 / 2			
	reaction time	0.140	interval	1.05	0.95	0.90	0.89	0.88	0.87	0.87	0.88	0.91	# of strides	3.85	2.67	2.62
	velocity	5.41	9.52	10.53	11.11	11.24	11.36	11.49	11.49	11.36	10.99	9.95	46.0	7.79	11.24	11.45
<b>Bouju, Raphael (NED) (2002)</b>	time	1.86	2.91	3.86	4.76	5.65	6.53	7.41	8.29	9.17	10.09	10.09	8 / 3			
	reaction time	0.140	interval	1.05	0.95	0.90	0.89	0.88	0.88	0.88	0.92	<b>PB</b>	# of strides	3.86	2.67	2.64
	velocity	5.38	9.52	10.53	11.11	11.24	11.36	11.36	11.36	11.36	10.87	9.91	45.5	7.77	11.24	11.36
<b>Bracy-Williams, Marvin (USA) (199)</b>	time	1.88	2.94	3.88	4.77	5.65	6.52	7.40	8.28	9.16	10.10	10.10	5 / 4			
	reaction time	0.142	interval	1.06	0.94	0.89	0.88	0.87	0.88	0.88	0.88	0.94	# of strides	3.88	2.64	2.64
	velocity	5.32	9.43	10.64	11.24	11.36	11.49	11.36	11.36	11.36	10.64	9.90	47.0	7.73	11.36	11.36
<b>Baker, Ronnie (USA) (1993)</b>	time	1.87	2.93	3.88	4.79	5.67	6.55	7.43	8.32	9.20	10.13	10.13	7 / 5			
	reaction time	0.135	interval	1.06	0.95	0.91	0.88	0.88	0.88	0.89	0.88	0.93	# of strides	3.88	2.67	2.65
	velocity	5.35	9.43	10.53	10.99	11.36	11.36	11.36	11.24	11.36	10.75	9.87	46.0	7.73	11.24	11.32
<b>Brown, Aaron (CAN) (1992)</b>	time	1.87	2.93	3.88	4.80	5.70	6.59	7.47	8.36	9.24	10.15	10.15	3 / 6			
	reaction time	0.186	interval	1.06	0.95	0.92	0.90	0.89	0.88	0.89	0.88	0.91	# of strides	3.88	2.71	2.65
	velocity	5.35	9.43	10.53	10.87	11.11	11.24	11.36	11.24	11.36	10.99	9.85	48.0	7.73	11.07	11.32
<b>Azamati, Benjamin (GHA) (1998)</b>	time	1.92	2.97	3.91	4.80	5.69	6.56	7.45	8.34	9.24	10.18	10.18	2 / 7			
	reaction time	0.123	interval	1.05	0.94	0.89	0.89	0.87	0.89	0.89	0.90	0.94	# of strides	3.91	2.65	2.68
	velocity	5.21	9.52	10.64	11.24	11.24	11.49	11.24	11.24	11.11	10.64	9.82	47.2	7.67	11.32	11.19
<b>Azu, Jermiah (GBR) (2001)</b>	time	1.88	2.93	3.88	4.79	5.69	6.58	7.47	8.37	9.27	10.21	10.21	9 / 8			
	reaction time	0.135	interval	1.05	0.95	0.91	0.90	0.89	0.89	0.90	0.90	0.94	# of strides	3.88	2.70	2.69
	velocity	5.32	9.52	10.53	10.99	11.11	11.24	11.24	11.11	11.11	10.64	9.79	46.2	7.73	11.11	11.15

**National - Heat 1**

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
<b>Ekpo, Nskiak (NED) (2003)</b>	time	1.93	3.02	3.98	4.91	5.81	6.71	7.61	8.51	9.42	10.35	10.35	8 / 1			
	reaction time	0.141	interval	1.09	0.96	0.93	0.90	0.90	0.90	0.91	0.93	<b>PB</b>	# of strides	3.98	2.73	2.71
	velocity	5.18	9.17	10.42	10.75	11.11	11.11	11.11	11.11	10.99	10.75	9.66		7.54	10.99	11.07
<b>van Gool, Joris (NED) (1998)</b>	time	1.92	2.98	3.94	4.86	5.78	6.69	7.60	8.52	9.44	10.39	10.39	3 / 2			
	reaction time	0.143	interval	1.06	0.96	0.92	0.91	0.91	0.92	0.92	0.95		# of strides	3.94	2.75	2.75
	velocity	5.21	9.43	10.42	10.87	10.87	10.99	10.99	10.87	10.87	10.53	9.62		7.61	10.91	10.91
<b>Paulina, Hensley (NED) (1993)</b>	time	1.93	3.03	4.00	4.93	5.84	6.75	7.65	8.55	9.46	10.40	10.40	5 / 3			
	reaction time	0.110	interval	1.10	0.97	0.93	0.91	0.91	0.90	0.91	0.94		# of strides	4.00	2.75	2.71
	velocity	5.18	9.09	10.31	10.75	10.99	10.99	11.11	11.11	10.99	10.64	9.62		7.50	10.91	11.07
<b>Hoornaert, Valentijn (BEL) (2000)</b>	time	1.96	3.04	4.02	4.95	5.88	6.80	7.72	8.65	9.59	10.57	10.57	9 / 4			
	reaction time	0.137	interval	1.08	0.98	0.93	0.93	0.92	0.93	0.94	0.98		# of strides	4.02	2.78	2.79
	velocity	5.10	9.26	10.20	10.75	10.75	10.87	10.87	10.75	10.64	10.20	9.46		7.46	10.79	10.75
<b>Fini, Cédric (NED) (2003)</b>	time	1.98	3.08	4.08	5.04	5.97	6.88	7.80	8.72	9.65	10.59	10.59	2 / 5			
	reaction time	0.139	interval	1.10	0.96	0.93	0.91	0.92	0.92	0.93	0.94		# of strides	4.08	2.80	2.77
	velocity	5.05	9.09	10.00	10.42	10.75	10.99	10.87	10.87	10.75	10.64	9.44		7.35	10.71	10.83
<b>van der Graaf, Cedrych (NED) (199)</b>	time	1.96	3.04	4.02	4.96	5.89	6.81	7.73	8.67	9.62	10.60	10.60	1 / 6			
	reaction time	0.137	interval	1.08	0.98	0.94	0.93	0.92	0.94	0.95	0.98	<b>PB</b>	# of strides	4.02	2.79	2.81
	velocity	5.10	9.26	10.20	10.64	10.75	10.87	10.87	10.64	10.53	10.20	9.43		7.46	10.75	10.68
<b>Snyders, Antoine (BEL) (1997)</b>	time	2.01	3.12	4.11	5.05	5.97	6.88	7.80	8.72	9.67	10.64	10.64	4 / 7			
	reaction time	0.141	interval	1.11	0.99	0.94	0.92	0.91	0.92	0.95	0.97		# of strides	4.11	2.77	2.79
	velocity	4.98	9.01	10.10	10.64	10.87	10.99	10.87	10.87	10.53	10.31	9.40		7.30	10.83	10.75

<b>Adigida, Onyema (NED) (2000)</b>	time	1.99	3.08	4.07	5.03	5.95	6.87	7.79	8.72	9.66	10.65	10.65	7 / 8				
	reaction time	0.187	interval	1.09	0.99	0.96	0.92	0.92	0.92	0.93	0.94	0.99	# of strides	4.07	2.80	2.79	
			velocity	5.03	9.17	10.10	10.42	10.87	10.87	10.87	10.75	10.64	10.10	9.39	7.37	10.71	10.75

## 2023 Golden Gala Pietro Mennea (Firenze, ITA)

## FINAL

date 02-Jun-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	
<b>Kerley, Fred (USA) (1995)</b>	time		1.92	2.94	3.88	4.77	5.64	6.50	7.35	8.21	9.06	9.94	9.94	4 / 1				
	reaction time	0.157	interval	1.02	0.94	0.89	0.87	0.86	0.85	0.86	0.85	0.88	# of strides	44.0	3.88	2.62	2.56	
			velocity	5.21	9.80	10.64	11.24	11.49	11.63	11.76	11.63	11.76	11.36	10.06	7.73	11.45	11.72	
<b>Omanyala, Ferdinand (KEN) (1996)</b>	time		1.94	2.97	3.90	4.79	5.66	6.53	7.38	8.26	9.14	10.05	10.05	7 / 2				
	reaction time	0.172	interval	1.03	0.93	0.89	0.87	0.87	0.85	0.88	0.88	0.91	# of strides	48.0	3.90	2.63	2.61	
			velocity	5.15	9.71	10.75	11.24	11.49	11.47	11.79	11.36	11.36	10.99	9.95	7.69	11.40	11.50	
<b>Bromell, Trayvon (USA) (1995)</b>	time		1.90	2.93	3.88	4.78	5.66	6.54	7.41	8.29	9.17	10.09	10.09	6 / 3				
	reaction time	0.162	interval	1.03	0.95	0.90	0.88	0.88	0.87	0.88	0.88	0.92	# of strides	47.0	3.88	2.66	2.63	
			velocity	5.26	9.71	10.53	11.11	11.36	11.36	11.49	11.36	11.36	10.87	9.91	7.73	11.28	11.41	
<b>Simbine, Akani (RSA) (1993)</b>	time		1.95	3.00	3.95	4.89	5.80	6.70	7.47	8.34	9.20	10.09	10.09	3 / 4				
	reaction time	0.164	interval	1.05	0.95	0.94	0.91	0.90	0.77	0.87	0.86	0.89	# of strides	47.0	3.95	2.75	2.50	
			velocity	5.13	9.52	10.53	10.64	10.99	11.11	12.99	11.49	11.63	11.24	9.91	7.59	10.91	12.00	
<b>Ceccarelli, Samuele (ITA) (2000)</b>	time		1.91	2.94	3.88	4.78	5.68	6.57	7.45	8.31	9.21	10.13	10.13	8 / 5				
	reaction time	0.160	interval	1.03	0.94	0.90	0.90	0.89	0.88	0.86	0.90	0.92	PB	# of strides	3.88	2.69	2.64	
			velocity	5.24	9.71	10.64	11.11	11.11	11.24	11.36	11.63	11.11	10.87	9.87	47.2	7.73	11.15	11.36
<b>Browning, Rohan (AUS) (1997)</b>	time		1.93	3.00	3.93	4.83	5.68	6.58	7.45	8.34	9.23	10.15	10.15	1 / 6				
	reaction time	0.128	interval	1.07	0.93	0.90	0.85	0.90	0.87	0.89	0.89	0.92	# of strides	46.7	3.93	2.65	2.65	
			velocity	5.18	9.35	10.75	11.11	11.76	11.11	11.49	11.24	11.24	10.87	9.85	7.63	11.32	11.32	
<b>Blake, Yohan (JAM) (1989)</b>	time		1.87	2.92	3.87	4.77	5.66	6.55	7.44	8.33	9.22	10.15	10.15	2 / 7				
	reaction time	0.143	interval	1.05	0.95	0.90	0.89	0.89	0.89	0.89	0.89	0.93	# of strides	47.0	3.87	2.68	2.67	
			velocity	5.35	9.52	10.53	11.11	11.24	11.24	11.24	11.24	11.24	10.75	9.85	7.75	11.19	11.24	
<b>Bracy-Williams, Marvin (USA) (199)</b>	time		1.94	2.98	3.92	4.82	5.70	6.58	7.46	8.34	9.24	10.23	10.23	5 / 8				
	reaction time	0.212	interval	1.04	0.94	0.90	0.88	0.88	0.88	0.88	0.90	0.99	# of strides	47.5	3.92	2.66	2.66	
			velocity	5.15	9.62	10.64	11.11	11.36	11.36	11.36	11.36	11.11	10.10	9.78	7.65	11.28	11.28	

## 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)

## FINAL

date 28-May-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
<b>Kerley, Fred (USA) (1995)</b>	time		1.88	2.91	3.85	4.74	5.61	6.48	7.33	8.19	9.05	9.94	9.94	5 / 1			
	reaction time	0.149	interval	1.03	0.94	0.89	0.87	0.87	0.85	0.86	0.86	0.89	# of strides	44.0	3.85	2.63	2.57
			velocity	5.32	9.71	10.64	11.24	11.49	11.49	11.76	11.63	11.63	11.24	10.06	7.79	11.41	11.67
<b>Simbine, Akani (RSA) (1993)</b>	time		1.93	2.98	3.92	4.81	5.68	6.54	7.39	8.24	9.11	9.99	9.99	3 / 2			
	reaction time	0.162	interval	1.05	0.94	0.89	0.87	0.86	0.85	0.85	0.87	0.88	# of strides	47.0	3.92	2.62	2.57
			velocity	5.18	9.52	10.64	11.24	11.49	11.63	11.76	11.76	11.49	11.36	10.01	7.65	11.45	11.67
<b>Omanyala, Ferdinand (KEN) (1996)</b>	time		1.91	2.98	3.90	4.78	5.65	6.51	7.36	8.26	9.12	10.05	10.05	4 / 3			
	reaction time	0.164	interval	1.07	0.92	0.88	0.87	0.86	0.85	0.90	0.86	0.93	# of strides	47.5	3.90	2.61	2.61
			velocity	5.24	9.35	10.87	11.36	11.49	11.63	11.76	11.11	11.63	10.75	9.95	7.69	11.49	11.49
<b>Tebogo, Letsile (BOT) (2003)</b>	time		1.91	2.96	3.92	4.83	5.71	6.59	7.46	8.32	9.19	10.09	10.09	8 / 4			
	reaction time	0.173	interval	1.05	0.96	0.91	0.88	0.88	0.87	0.86	0.87	0.90	# of strides	43.0	3.92	2.67	2.60
			velocity	5.24	9.52	10.42	10.99	11.36	11.36	11.49	11.63	11.49	11.11	9.91	7.65	11.24	11.54
<b>Bromell, Trayvon (USA) (1995)</b>	time		1.85	2.89	3.83	4.74	5.63	6.51	7.39	8.27	9.16	10.10	10.10	6 / 5			
	reaction time	0.139	interval	1.04	0.94	0.91	0.89	0.88	0.88	0.88	0.89	0.94	# of strides	47.0	3.83	2.68	2.65
			velocity	5.41	9.62	10.64	10.99	11.24	11.36	11.36	11.36	11.24	10.64	9.90	7.83	11.19	11.32
<b>Blake, Yohan (JAM) (1989)</b>	time		1.84	2.92	3.87	4.78	5.68	6.58	7.46	8.35	9.25	10.18	10.18	7 / 6			
	reaction time	0.148	interval	1.08	0.95	0.91	0.90	0.90	0.88	0.89	0.90	0.93	# of strides	46.5	3.87	2.71	2.67
			velocity	5.43	9.26	10.53	10.99	11.11	11.11	11.36	11.24	11.11	10.75	9.82	7.75	11.07	11.24
<b>Azu, Jermiah (GBR) (2001)</b>	time		1.91	2.97	3.92	4.83	5.73	6.62	7.50	8.38	9.27	10.20	10.20	9 / 7			
	reaction time	0.166	interval	1.06	0.95	0.91	0.90	0.89	0.88	0.88	0.89	0.93	# of strides	46.5	3.92	2.70	2.65
			velocity	5.24	9.43	10.53	10.99	11.11	11.24	11.36	11.36	11.24	10.75	9.80	7.65	11.11	11.32
<b>Mouhamadou, Fall (FRA) (1992)</b>	time		2.00	3.06	4.01	4.92	5.80	6.69	7.56	8.44	9.33	10.25	10.25	2 / 8			
	reaction time	0.136	interval	1.06	0.95	0.91	0.88	0.89	0.87	0.88	0.89	0.92	# of strides	46.0	4.01	2.68	2.64
			velocity	5.00	9.43	10.53	10.99	11.36	11.24	11.49	11.36	11.24	10.87	9.76	7.48	11.19	11.36
<b>Machmour, Chakir (MAR) (1994)</b>	time		2.00	3.11	4.10	5.03	5.96	6.88	7.80	8.72	9.65	10.63	10.63	1 / 9			

reaction time	0.178	interval	1.11	0.99	0.93	0.93	0.92	0.92	0.92	0.93	0.98	# of strides	4.10	2.78	2.77
velocity	5.00	9.01	10.10	10.75	10.75	10.87	10.87	10.87	10.75	10.20	9.41	48.5	7.32	10.79	10.83

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

date 08-Sep-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
<b>Bromell, Trayvon (USA) (1995)</b>	time			2.89		4.72		6.45		8.18		9.94	9.94	5 / 1			
	reaction time	0.147	interval			1.83		1.73		1.73		1.76		# of strides			
	velocity		6.92			10.93		11.56		11.56		11.36	10.06	48.5			
<b>Blake, Yohan (JAM) (1989)</b>	time			2.95		4.78		6.52		8.27		10.05	10.05	4 / 2			
	reaction time	0.187	interval			1.83		1.74		1.75		1.78		# of strides			
	velocity		6.78			10.93		11.49		11.43		11.24	9.95	45.0			
<b>Brown, Aaron (CAN) (1992)</b>	time			2.94		4.80		6.57		8.31		10.06	10.06	8 / 3			
	reaction time	0.162	interval			1.86		1.77		1.74		1.75		# of strides			
	velocity		6.80			10.75		11.30		11.49		11.43	9.94	47.0			
<b>Simbine, Akani (RSA) (1993)</b>	time			2.97		4.81		6.56		8.30		10.07	10.07	3 / 4			
	reaction time	0.142	interval			1.84		1.75		1.74		1.77		# of strides			
	velocity		6.73			10.87		11.43		11.49		11.30	9.93	47.0			
<b>Abeykoon, Yupun (SRI) (1994)</b>	time			2.98		4.83		6.58		8.34		10.14	10.14	1 / 5			
	reaction time	0.137	interval			1.85		1.75		1.76		1.80		# of strides			
	velocity		6.71			10.81		11.43		11.36		11.11	9.86	43.5			
<b>Prescod, Reece (GBR) (1996)</b>	time			3.00		4.86		6.62		8.37		10.16	10.16	6 / 6			
	reaction time	0.165	interval			1.86		1.76		1.75		1.79		# of strides			
	velocity		6.67			10.75		11.36		11.43		11.17	9.84	43.2			
<b>King, Kyree (USA) (1994)</b>	time			2.98		4.84		6.61		8.38		10.18	10.18	7 / 7			
	reaction time	0.151	interval			1.86		1.77		1.77		1.80		# of strides			
	velocity		6.71			10.75		11.30		11.30		11.11	9.82	47.2			
<b>de Grasse, André (CAN) (1994)</b>	time			3.02		4.89		6.65		8.41		10.21	10.21	2 / 8			
	reaction time	0.137	interval			1.87		1.76		1.76		1.80		# of strides			
	velocity		6.62			10.70		11.36		11.36		11.11	9.79	46.2			

**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
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	0.153	no information available										=CR	9.95	6 / 1	# of strides	44.5	
<b>Hughes, Zharnel (GBR) (1995)</b>	0.135	no information available											9.99	3 / 2	# of strides	46.0	
<b>Azu, Jeremiah (GBR) (2001)</b>	0.140	no information available										PB	10.13	8 / 3	# of strides	46.0	
<b>Volko, Ján (SVK) (1996)</b>	0.163	no information available											10.16	1 / 4	# of strides	48.5	
<b>Fall, Mouhamadou (FRA) (1992)</b>	0.157	no information available											10.17	2 / 5	# of strides	44.7	
<b>Olatunde, Israel (IRL) (2002)</b>	0.152	no information available										NR PB	10.17	7 / 6	# of strides	46.0	
<b>Prescod, Reece (GBR) (1996)</b>	0.156	no information available											10.18	5 / 7	# of strides	43.7	
<b>Ali, Chituru (ITA) (1999)</b>	0.141	no information available											10.28	4 / 8	# of strides	41.2	

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

date 06-Aug-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
<b>Bromell, Trayvon (USA) (1995)</b>	time			2.89		4.73		6.47		8.19		9.95	9.95	4 / 1			
	reaction time	0.138	interval			1.84		1.74		1.72		1.76		# of strides			
	velocity		6.92			10.87		11.49		11.63		11.36	10.05	47.7			
<b>Bracy, Marvin (USA) (1993)</b>	time			2.90		4.73		6.46		8.20		10.00	10.00	6 / 2			
	reaction time	0.130	interval			1.83		1.73		1.74		1.80		# of strides			
	velocity		6.90			10.93		11.56		11.49		11.11	10.00	47.7			
<b>Blake, Ackeem (JAM) (2002)</b>	time			2.92		4.75		6.46		8.22		10.00	10.00	1 / 3			
	reaction time	0.159	interval			1.83		1.71		1.76		1.78		# of strides			
	velocity		6.85			10.93		11.70		11.36		11.24	10.00	46.0			
<b>Coleman, Christian (USA) (1996)</b>	time			2.90		4.74		6.50		8.28		10.13	10.13	5 / 4			
	reaction time	0.132	interval			1.84		1.76		1.78		1.85		# of strides			
	velocity		6.90			10.87		11.36		11.24		10.81	9.87	47.7			
<b>Blake, Yohan (JAM) (1989)</b>	time			2.93		4.79		6.55		8.31		10.13	10.13	3 / 5			
	reaction time	0.148	interval			1.86		1.76		1.76		1.82		# of strides			
	velocity		6.83			10.75		11.36		11.36		10.99	9.87	46.5			
<b>Hall, Elijah (USA) (1994)</b>	time			3.00		4.86		6.61		8.35		10.14	10.14	2 / 6			
	reaction time	0.119	interval			1.86		1.75		1.74		1.79		# of strides			
	velocity		6.67			10.75		11.43		11.49		11.17	9.86	47.2			



<b>Sani Brown, Abdul Hakim (JPN) (1time)</b>	2.93	4.78	6.54	8.31	10.15	10.15	8 / 7
reaction time	0.155	interval	1.85	1.76	1.77	1.84	# of strides
velocity	6.83	10.81	11.36	11.30	10.87	9.85	44.0
<b>Simbine, Akani (RSA) (1993)</b>	2.99	4.88	6.65	8.41	10.21	10.21	7 / 8
reaction time	0.120	interval	1.89	1.77	1.76	1.80	# of strides
velocity	6.69	10.58	11.30	11.36	11.11	9.79	47.2
<b>King, Kyree (USA) (1994)</b>	3.00	4.88	6.66	8.45	10.29	10.29	9 / 9
reaction time	0.174	interval	1.88	1.78	1.79	1.84	# of strides
velocity	6.67	10.64	11.24	11.17	10.87	9.72	48.0

## 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
<b>Sekiguchi, Yuta (JPN) (2004)</b>	time	1.86	2.94	3.91	4.83	5.74	6.65	7.57	8.49	9.42	10.38	10.38	6 / 1			
reaction time	0.157	interval	1.08	0.97	0.92	0.91	0.91	0.92	0.92	0.93	0.96	<b>PB</b>	# of strides	3.91	2.74	2.77
velocity		5.38	9.26	10.31	10.87	10.99	10.99	10.87	10.87	10.75	10.42	9.63	48.0	7.67	10.95	10.83
<b>Tachibana, Kouei (JPN) (2004)</b>	time	1.89	2.98	3.96	4.90	5.83	6.75	7.68	8.61	9.57	10.54	10.54	4 / 2			
reaction time	0.139	interval	1.09	0.98	0.94	0.93	0.92	0.93	0.93	0.96	0.97	<b>=PB</b>	# of strides	3.96	2.79	2.82
velocity		5.29	9.17	10.20	10.64	10.75	10.87	10.75	10.75	10.42	10.31	9.49	48.7	7.58	10.75	10.64
<b>Ekejunia, Ruo (JPN) (2004)</b>	time	1.93	3.03	4.02	4.95	5.87	6.78	7.70	8.63	9.57	10.54	10.54	5 / 3			
reaction time	0.141	interval	1.10	0.99	0.93	0.92	0.91	0.92	0.93	0.94	0.97		# of strides	4.02	2.76	2.79
velocity		5.18	9.09	10.10	10.75	10.87	10.99	10.87	10.75	10.64	10.31	9.49	49.0	7.46	10.87	10.75
<b>Kojima, Takuma (JPN) (2004)</b>	time	1.90	2.99	3.97	4.92	5.85	6.78	7.71	8.65	9.60	10.57	10.57	7 / 4			
reaction time	0.150	interval	1.09	0.98	0.95	0.93	0.93	0.93	0.94	0.95	0.97		# of strides	3.97	2.81	2.82
velocity		5.26	9.17	10.20	10.53	10.75	10.75	10.75	10.64	10.53	10.31	9.46	50.2	7.56	10.68	10.64
<b>Kuroki, Kaito (JPN) (2005)</b>	time	1.89	2.99	3.99	4.94	5.88	6.81	7.75	8.71	9.68	10.67	10.67	3 / 5			
reaction time	0.149	interval	1.10	1.00	0.95	0.94	0.93	0.94	0.96	0.97	0.99		# of strides	3.99	2.82	2.87
velocity		5.29	9.09	10.00	10.53	10.64	10.75	10.64	10.42	10.31	10.10	9.37	48.5	7.52	10.64	10.45
<b>Tsurumaki, Yota (JPN) (2005)</b>	time	1.91	3.02	4.02	4.98	5.92	6.86	7.80	8.75	9.71	10.70	10.70	9 / 6			
reaction time	0.150	interval	1.11	1.00	0.96	0.94	0.94	0.94	0.95	0.96	0.99		# of strides	4.02	2.84	2.85
velocity		5.24	9.01	10.00	10.42	10.64	10.64	10.64	10.53	10.42	10.10	9.35	47.7	7.46	10.56	10.53
<b>Tamura, Riki (JPN) (2004)</b>	time	1.89	3.00	4.00	4.95	5.90	6.84	7.78	8.74	9.72	10.71	10.71	8 / 7			
reaction time	0.126	interval	1.11	1.00	0.95	0.95	0.94	0.94	0.96	0.98	0.99		# of strides	4.00	2.84	2.88
velocity		5.29	9.01	10.00	10.53	10.53	10.64	10.64	10.42	10.20	10.10	9.34	47.5	7.50	10.56	10.42
<b>Senda, Mizuki (JPN) (2004)</b>	time	1.93	3.05	4.06	5.02	5.97	6.91	7.85	8.80	9.77	10.75	10.75	2 / 8			
reaction time	0.131	interval	1.12	1.01	0.96	0.95	0.94	0.94	0.95	0.97	0.98		# of strides	4.06	2.85	2.86
velocity		5.18	8.93	9.90	10.42	10.53	10.64	10.64	10.53	10.31	10.20	9.30	48.0	7.39	10.53	10.49

## 2022 Commonwealth Games (Birmingham, GBR)

### FINAL

date 03-Aug-22 wind -0.9 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
<b>Omanyala, Ferdinand (KEN) (1996)</b>	time	2.9	4.7	6.4	8.2	10.02	10.02	3 / 1								
reaction time	interval		1.80	1.70	1.80	1.82		# of strides								
velocity		6.90	11.11	11.76	11.11	10.99	9.98	48.7								
<b>Simbine, Akani (RSA) (1993)</b>	time	2.9	4.8	6.6	8.2	10.13	10.13	4 / 2								
reaction time	interval		1.90	1.80	1.60	1.93		# of strides								
velocity		6.90	10.53	11.11	12.50	10.36	9.87	48.7								
<b>Abeykoon, Yupun (SRI) (1994)</b>	time	2.9	4.8	6.5	8.3	10.14	10.14	2 / 3								
reaction time	interval		1.90	1.70	1.80	1.84		# of strides								
velocity		6.90	10.53	11.76	11.11	10.87	9.86	43.7								
<b>Azamati, Benjamin (GHA) (1998)</b>	time	3.0	4.8	6.6	8.3	10.16	10.16	1 / 4								
reaction time	interval		1.80	1.80	1.70	1.86		# of strides								
velocity		6.67	11.11	11.11	11.76	10.75	9.84	47.0								
<b>Azu, Jeremiah (GBR) (2001)</b>	time	2.9	4.8	6.6	8.3	10.19	10.19	7 / 5								
reaction time	interval		1.90	1.80	1.70	1.89		# of strides								
velocity		6.90	10.53	11.11	11.76	10.58	9.81	48.0								
<b>Browning, Rohan (AUS) (1997)</b>	time	2.9	4.7	6.5	8.3	10.20	10.20	8 / 6								
reaction time	interval		1.80	1.80	1.80	1.90		# of strides								
velocity		6.90	11.11	11.11	11.11	10.53	9.80	46.7								
<b>Eseme, Emmanuel (CMR) (1993)</b>	time	3.0	4.9	6.6	8.4	10.24	10.24	5 / 7								

reaction time	interval	1.90	1.70	1.80	1.84		# of strides
	velocity	6.67	10.53	11.76	11.11	10.87	44.7
<b>Mitchell-Blake, Nethaneel (GBR)</b>	time	3.0	5.0	6.8	8.7	11.10	6 / 8
reaction time	interval	2.00	1.80	1.90	2.40		# of strides
	velocity	6.67	10.00	11.11	10.53	8.33	45.0

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

	date	16-Jul-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
<b>Kerley, Fred (USA) (1995)</b>	time	0.119	no information available												9.86	4 / 1		# of strides	43.0
<b>Bracy, Marvin (USA) (1993)</b>	time	0.118	no information available												9.88	3 / 2		# of strides	48.0
<b>Bromell, Trayvon (USA) (1995)</b>	time	0.110	no information available												9.88	8 / 3		# of strides	47.0
<b>Seville, Oblique (JAM) (2001)</b>	time	0.154	no information available												9.97	6 / 4		# of strides	49.0
<b>Simbine, Akani (RSA) (1993)</b>	time	0.129	no information available												10.01	5 / 5		# of strides	47.5
<b>Coleman, Christian (USA) (1996)</b>	time	0.104	no information available												10.01	7 / 6		# of strides	47.0
<b>Sani Brown, Abdul Hakim (JPN) (1992)</b>	time	0.147	no information available												10.06	1 / 7		# of strides	44.0
<b>Brown, Aaron (CAN) (1992)</b>	time	0.155	no information available												10.07	2 / 8		# of strides	47.7

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

	date	30-Jun-22	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
<b>Simbine, Akani (RSA) (1993)</b>	time				3.02	4.86	6.59	8.30	10.02	10.02				10.02	5 / 1				
reaction time	0.157	interval				1.84	1.73	1.71	1.72						# of strides				
		velocity			6.62	10.87	11.56	11.70	11.63	9.98					47.0				
<b>Prescod, Reece (GBR) (1996)</b>	time				3.05	4.90	6.64	8.37	10.15	10.15				10.15	6 / 2				
reaction time	0.163	interval				1.85	1.74	1.73	1.78						# of strides				
		velocity			6.56	10.81	11.49	11.56	11.24	9.85					43.7				
<b>Vicaud, Jimmy (FRA) (1992)</b>	time				3.04	4.89	6.66	8.42	10.19	10.19				10.19	7 / 3				
reaction time	0.164	interval				1.85	1.77	1.76	1.77						# of strides				
		velocity			6.58	10.81	11.30	11.36	11.30	9.81					46.0				
<b>Abeykoon, Yupun (SRI) (1994)</b>	time				3.14	4.98	6.71	8.45	10.21	10.21				10.21	4 / 4				
reaction time	0.279	interval				1.84	1.73	1.74	1.76						# of strides				
		velocity			6.37	10.87	11.56	11.49	11.36	9.79					43.2				
<b>Fall, Mouhamadou (FRA) (1992)</b>	time				3.03	4.89	6.67	8.45	10.24	10.24				10.24	8 / 5				
reaction time	0.152	interval				1.86	1.78	1.78	1.79						# of strides				
		velocity			6.60	10.75	11.24	11.24	11.17	9.77					46.0				
<b>van Gool, Joris (NED) (1998)</b>	time				3.03	4.89	6.69	8.51	10.38	10.38				10.38	1 / 6				
reaction time	0.157	interval				1.86	1.80	1.82	1.87						# of strides				
		velocity			6.60	10.75	11.11	10.99	10.70	9.63					47.0				
<b>Browning, Rohan (AUS) (1997)</b>	time				3.13	4.98	6.76	8.56	10.38	10.38				10.38	2 / 7				
reaction time	0.288	interval				1.85	1.78	1.80	1.82						# of strides				
		velocity			6.39	10.81	11.24	11.11	10.99	9.63					46.2				
<b>Larsson, Henrik (SWE) (1999)</b>	time				3.05	4.94	6.75	8.56	10.40	10.40				10.40	3 / 8				
reaction time	0.143	interval				1.89	1.81	1.81	1.84						# of strides				
		velocity			6.56	10.58	11.05	11.05	10.87	9.62					46.7				

**2022 Meeting de Paris (Paris, FRA)****FINAL**

	date	18-Jun-22	wind	-1.6 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Azamati, Benjamin (GHA) (1998)</b>	time				2.99	4.86	6.66	8.44	10.25	10.25				10.25	4 / 1				
reaction time	0.182	interval				1.87	1.80	1.78	1.81						# of strides				
		velocity			6.69	10.70	11.11	11.24	11.05	9.76									
<b>Fall, Mouhamadou (FRA) (1992)</b>	time				2.98	4.87	6.68	8.48	10.32	10.32				10.32	5 / 2				
reaction time	0.142	interval				1.89	1.81	1.80	1.84						# of strides				
		velocity			6.71	10.58	11.05	11.11	10.87	9.69									
<b>Vicaud, Jimmy (FRA) (1992)</b>	time				3.01	4.89	6.70	8.50	10.34	10.34				10.34	3 / 3				
reaction time	0.144	interval				1.88	1.81	1.80	1.84						# of strides				
		velocity			6.64	10.64	11.05	11.11	10.87	9.67									
<b>Priam, Aymeric (FRA) (2000)</b>	time				3.00	4.88	6.69	8.50	10.35	10.35				10.35	1 / 4				
reaction time	0.144	interval				1.88	1.81	1.81	1.85						# of strides				
		velocity			6.67	10.64	11.05	11.05	10.81	9.66									
<b>Bruintjies, Henricho (RSA) (1993)</b>	time				2.97	4.85	6.68	8.50	10.38	10.38				10.38	2 / 5				
reaction time	0.144	interval				1.88	1.83	1.82	1.88						# of strides				
		velocity			6.73	10.64	10.93	10.99	10.64	9.63									

<b>Safo-Antwi, Sean (GHA) (1990)</b>	time	2.96	4.85	6.69	8.53	10.45	10.45	7 / 6
	reaction time 0.125	interval	1.89	1.84	1.84	1.92		# of strides
	velocity	6.76	10.58	10.87	10.87	10.42	9.57	
<b>Taftian, Hassan (IRI) (1993)</b>	time	3.04	4.94	6.79	8.62	10.52	10.52	8 / 7
	reaction time 0.140	interval	1.90	1.85	1.83	1.90		# of strides
	velocity	6.58	10.53	10.81	10.93	10.53	9.51	
<b>Erius, Jeff (FRA) (2004)</b>	time	3.07	4.98	6.84	8.71	10.62	10.62	6 / 8
	reaction time 0.160	interval	1.91	1.86	1.87	1.91		# of strides
	velocity	6.51	10.47	10.75	10.70	10.47	9.42	

**2022 Bislett Games (Oslo, NOR)****FINAL**

date 16-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
<b>de Grasse, André (CAN) (1994)</b>	time	2.97	4.82	6.58	8.30	10.05	10.05	5 / 1								
	reaction time 0.146	interval	1.85	1.76	1.72	1.75		# of strides								
	velocity	6.73	10.81	11.36	11.63	11.43	9.95	48.0								
<b>Prescod, Reece (GBR) (1996)</b>	time	2.99	4.85	6.60	8.32	10.06	10.06	3 / 2								
	reaction time 0.135	interval	1.86	1.75	1.72	1.74		# of strides								
	velocity	6.69	10.75	11.43	11.63	11.49	9.94	43.7								
<b>Simbine, Akani (RSA) (1993)</b>	time	2.96	4.81	6.57	8.32	10.09	10.09	4 / 3								
	reaction time 0.136	interval	1.85	1.76	1.75	1.77		# of strides								
	velocity	6.76	10.81	11.36	11.43	11.30	9.91	48.0								
<b>Azamati, Benjamin (GHA) (1998)</b>	time	2.98	4.82	6.57	8.33	10.15	10.15	6 / 5								
	reaction time 0.205	interval	1.84	1.75	1.76	1.82		# of strides								
	velocity	6.71	10.87	11.43	11.36	10.99	9.85	47.0								
<b>Abeykoon, Yupun (SRI) (1994)</b>	time	3.01	4.86	6.60	8.35	10.16	10.16	7 / 5								
	reaction time 0.171	interval	1.85	1.74	1.75	1.81		# of strides								
	velocity	6.64	10.81	11.49	11.43	11.05	9.84	44.0								
<b>Sani Brown, Abdul Hakim (JPN) (1994)</b>	time	2.98	4.82	6.58	8.36	10.18	10.18	8 / 6								
	reaction time 0.168	interval	1.84	1.76	1.78	1.82		# of strides								
	velocity	6.71	10.87	11.36	11.24	10.99	9.82	44.2								
<b>Browning, Rohan (AUS) (1997)</b>	time	2.99	4.87	6.67	8.46	10.28	10.28	2 / 7								
	reaction time 0.141	interval	1.88	1.80	1.79	1.82		# of strides								
	velocity	6.69	10.64	11.11	11.17	10.99	9.73	46.7								
<b>Edoburun, Ojie (GBR) (1996)</b>	time	3.01	4.90	6.70	8.48	10.30	10.30	1 / 8								
	reaction time 0.143	interval	1.89	1.80	1.78	1.82		# of strides								
	velocity	6.64	10.58	11.11	11.24	10.99	9.71	44.2								

**2022 Golden Gala Pietro Mennea (Rome, ITA)****FINAL**

date 09-Jun-22 wind -0.2 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
<b>Kerley, Fred (USA) (1995)</b>	time	2.93	4.76	6.48	8.18	9.92	9.92	5 / 1								
	reaction time 0.137	interval	1.83	1.72	1.70	1.74		# of strides								
	velocity	6.83	10.93	11.63	11.76	11.49	10.08	44.0								
<b>King, Kyree (USA) (1994)</b>	time	2.95	4.80	6.56	8.33	10.14	10.14	6 / 2								
	reaction time 0.147	interval	1.85	1.76	1.77	1.81		# of strides								
	velocity	6.78	10.81	11.36	11.30	11.05	9.86	47.0								
<b>Charleston, Cravont (USA) (1998)</b>	time	2.97	4.82	6.58	8.35	10.17	10.17	3 / 3								
	reaction time 0.139	interval	1.85	1.76	1.77	1.82		# of strides								
	velocity	6.73	10.81	11.36	11.30	10.99	9.83	48.0								
<b>Ellis, Nigel (JAM) (1997)</b>	time	2.94	4.81	6.56	8.33	10.17	10.17	1 / 4								
	reaction time 0.131	interval	1.87	1.75	1.77	1.84		# of strides								
	velocity	6.80	10.70	11.43	11.30	10.87	9.83	49.0								
<b>Erasmus, Emile (RSA) (1992)</b>	time	2.96	4.80	6.57	8.35	10.22	10.22	9 / 5								
	reaction time 0.142	interval	1.84	1.77	1.78	1.87		# of strides								
	velocity	6.76	10.87	11.30	11.24	10.70	9.78	44.0								
<b>Ali, Chituru (ITA) (1999)</b>	time	2.97	4.85	6.63	8.41	10.25	10.25	8 / 6								
	reaction time 0.121	interval	1.88	1.78	1.78	1.84		# of strides								
	velocity	6.73	10.64	11.24	11.24	10.87	9.76	42.5								
<b>Rodgers, Michael (USA) (1985)</b>	time	2.99	4.87	6.65	8.43	10.29	10.29	2 / 7								

reaction time	0.144	interval		1.88	1.78	1.78	1.86		# of strides
		velocity	6.69	10.64	11.24	11.24	10.75	9.72	45.5
<b>Young, Isiah (USA) (1990)</b>	time		2.98	4.87	6.67	8.48	10.35	10.35	4 / 8
reaction time	0.125	interval		1.89	1.80	1.81	1.87		# of strides
		velocity	6.71	10.58	11.11	11.05	10.70	9.66	48.0
<b>Ansah-Pepurah, Lucas (GER) (2000)</b>	time		2.97	4.85	6.67	8.49	10.39	10.39	7 / 9
reaction time	0.134	interval		1.88	1.82	1.82	1.90		# of strides
		velocity	6.73	10.64	10.99	10.99	10.53	9.62	46.5

**2022 FBK Games (Hengelo, NED)****FINAL**

		date	06-Jun-22	wind	-0.3 m/s											<i>Omega Timing (2022) - continental tour race analysis</i>		
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Blake, Johan (JAM) (1989)</b>	time			2.9	4.7	6.5	8.3	10.11	10.11	10.11	10.11	10.11	10.11	10.11	4 / 1			
reaction time	0.140	interval			1.80	1.80	1.80	1.81							# of strides			
		velocity	6.90	11.11	11.11	11.11	11.05	9.89	47.0									
<b>King, Kyree (USA) (1994)</b>	time			3.0	4.8	6.6	8.3	10.23	10.23	10.23	10.23	10.23	10.23	5 / 2				
reaction time	0.153	interval			1.80	1.80	1.70	1.93							# of strides			
		velocity	6.67	11.11	11.11	11.76	10.36	9.78	48.0									
<b>Erasmus, Emile (RSA) (1992)</b>	time			2.9	4.8	6.5	8.3	10.35	10.25	10.25	10.25	10.25	10.25	6 / 3				
reaction time	0.137	interval			1.90	1.70	1.80	2.05							# of strides			
		velocity	6.90	10.53	11.76	11.11	9.76	9.76	44.5									
<b>Azu, Jeremiah (GBR) (2001)</b>	time			2.9	4.8	6.6	8.4	10.28	10.28	10.28	10.28	10.28	10.28	7 / 4				
reaction time	0.143	interval			1.90	1.80	1.80	1.88							# of strides			
		velocity	6.90	10.53	11.11	11.11	10.64	9.73	47.0									
<b>van Gool, Joris (NED) (1998)</b>	time			2.9	4.8	6.6	8.4	10.38	10.38	10.38	10.38	10.38	10.38	8 / 5				
reaction time	0.141	interval			1.90	1.80	1.80	1.98							# of strides			
		velocity	6.90	10.53	11.11	11.11	10.10	9.63	47.0									
<b>Tracey, Tyquendo (JAM) (1993)</b>	time			2.9	4.8	6.6	8.5	10.41	10.41	10.41	10.41	10.41	10.41	2 / 6				
reaction time	0.144	interval			1.90	1.80	1.90	1.91							# of strides			
		velocity	6.90	10.53	11.11	10.53	10.47	9.61	47.0									
<b>Aikines-Aryeetey, Harry (GBR) (1991)</b>	time			3.0	4.9	6.7	8.6	10.52	10.52	10.52	10.52	10.52	10.52	1 / 7				
reaction time	0.146	interval			1.90	1.80	1.90	1.92							# of strides			
		velocity	6.67	10.53	11.11	10.53	10.42	9.51	49.0									
<b>Ramdhan, Tommy (GBR) (1996)</b>	time			3.0	5.0	6.8	8.6	10.60	10.60	10.60	10.60	10.60	10.60	9 / 8				
reaction time	0.160	interval			2.00	1.80	1.80	2.00							# of strides			
		velocity	6.67	10.00	11.11	11.11	10.00	9.43	47.2									
<b>Martina, Churandy (NED) (1984)</b>	time			3.1	5.0	6.9	8.7	10.61	10.61	10.61	10.61	10.61	10.61	3 / 9				
reaction time	0.141	interval			1.90	1.90	1.80	1.91							# of strides			
		velocity	6.45	10.53	10.53	11.11	10.47	9.43	46.5									

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

		date	04-Jun-02	wind	0.1 m/s											<i>Takefu (2023) - performance analysis of decathlon athletes in the 2022 season</i>		
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Okuda, Keisuke (JPN) (1996)</b>	time			1.94	3.06	4.07	5.03	5.98	6.92	7.87	8.83	9.81	10.82	10.82	5 / 1			
reaction time		interval			1.12	1.01	0.96	0.95	0.94	0.95	0.96	0.98	1.01		# of strides	4.07	2.85	2.89
		velocity	5.15	8.93	9.90	10.42	10.53	10.64	10.53	10.42	10.20	9.90	9.24			7.37	10.53	10.38
<b>Nakamura, Akihiko (JPN) (1990)</b>	time			1.93	3.05	4.07	5.04	6.00	6.96	7.93	8.91	9.91	10.93	10.93	4 / 3			
reaction time		interval			1.12	1.02	0.97	0.96	0.96	0.97	0.98	1.00	1.02		# of strides	4.07	2.89	2.95
		velocity	5.18	8.93	9.80	10.31	10.42	10.42	10.31	10.20	10.00	9.80	9.15			7.37	10.38	10.17
<b>Tau, Shun (JPN) (1997)</b>	time			1.97	3.11	4.14	5.13	6.10	7.07	8.05	9.05	10.07	11.12	11.12	9 / 7			
reaction time		interval			1.14	1.03	0.99	0.97	0.97	0.98	1.00	1.02	1.05		# of strides	4.14	2.93	3.00
		velocity	5.08	8.77	9.71	10.10	10.31	10.31	10.20	10.00	9.80	9.52	8.99			7.25	10.24	10.00
<b>Ushiro, Keisuke (JPN) (1986)</b>	time			2.05	3.20	4.26	5.28	6.28	7.28	8.30	9.32	10.37	11.45	11.45	2 / 9			
reaction time		interval			1.15	1.06	1.02	1.00	1.00	1.02	1.02	1.05	1.08		# of strides	4.26	3.02	3.09
		velocity	4.88	8.70	9.43	9.80	10.00	10.00	9.80	9.80	9.52	9.26	8.73			7.04	9.93	9.71

**2022 Prefontaine Classic (Eugene, OR)****FINAL**

		date	28-May-22	wind	-0.2 m/s											<i>Omega Timing (2022) - diamond league race analysis</i>		
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bromell, Trayvon (USA) (1995)</b>	time			2.87	4.70	6.45	8.17	9.93	11.63	13.36	15.09	16.81	18.53	18.53	6 / 1			
reaction time	0.123	interval			1.83	1.75	1.72	1.76							# of strides			
		velocity	6.97	10.93	11.43	11.43	11.63	11.36	10.07	9.45	8.83	8.21	7.59			47.5		

<b>Kerley, Fred (USA) (1995)</b>	time	2.90	4.75	6.50	8.24	9.98	9.98	4 / 2
	reaction time	0.137	interval	1.85	1.75	1.74	1.74	# of strides
	velocity	6.90	10.81	11.43	11.49	11.49	10.02	43.5
<b>Coleman, Christian (USA) (1996)</b>	time	2.88	4.70	6.45	8.23	10.04	10.04	5 / 3
	reaction time	0.136	interval	1.82	1.75	1.78	1.81	# of strides
	velocity	6.94	10.99	11.43	11.24	11.05	9.96	48.0
<b>Lyles, Noah (USA) (1997)</b>	time	3.00	4.84	6.58	8.31	10.05	10.05	7 / 4
	reaction time	0.144	interval	1.84	1.74	1.73	1.74	# of strides
	velocity	6.67	10.87	11.49	11.56	11.49	9.95	46.0
<b>Tebogo, Letsile (BOT) (2003)</b>	time	2.95	4.79	6.55	8.31	10.12	10.12	8 / 5
	reaction time	0.169	interval	1.84	1.76	1.76	1.81	# of strides
	velocity	6.78	10.87	11.36	11.36	11.05	9.88	43.0
<b>Knighton, Erriyon (USA) (2004)</b>	time	2.96	4.78	6.54	8.31	10.14	10.14	1 / 6
	reaction time	0.133	interval	1.82	1.76	1.77	1.83	# of strides
	velocity	6.76	10.99	11.36	11.30	10.93	9.86	43.5
<b>King, Kyree (USA) (1994)</b>	time	2.97	4.81	6.58	8.36	10.16	10.16	2 / 7
	reaction time	0.167	interval	1.84	1.77	1.78	1.80	# of strides
	velocity	6.73	10.87	11.30	11.24	11.11	9.84	48.0
<b>Bednarek, Kenneth (USA) (1998)</b>	time	2.99	4.86	6.62	8.38	10.18	10.18	9 / 8
	reaction time	0.160	interval	1.87	1.76	1.76	1.80	# of strides
	velocity	6.69	10.70	11.36	11.36	11.11	9.82	45.5
<b>de Grasse, André (CAN) (1994)</b>	time	3.01	4.88	6.66	8.43	10.21	10.21	3 / 9
	reaction time	0.136	interval	1.87	1.78	1.77	1.78	# of strides
	velocity	6.64	10.70	11.24	11.30	11.24	9.79	47.0

**2022 Müller Birmingham Diamond League (Birmingham, GBR)****FINAL**

date 21-May-22 wind -0.2 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
<b>Brown, Aaron (CAN) (1992)</b>	time		2.94		4.82		6.61		8.37		10.13	10.13	8 / 1			
	reaction time	0.149	interval		1.88		1.79		1.76		1.76		# of strides			
	velocity		6.80		10.64		11.17		11.36		11.36		9.87	47.0		
<b>Blake, Yohan (JAM) (1989)</b>	time		2.93		4.80		6.58		8.36		10.18	10.18	2 / 2			
	reaction time	0.145	interval		1.87		1.78		1.78		1.82		# of strides			
	velocity		6.83		10.70		11.24		11.24		10.99		9.82	46.7		
<b>Blake, Jerome (CAN) (1995)</b>	time		3.02		4.90		6.67		8.42		10.20	10.20	4 / 3			
	reaction time	0.154	interval		1.88		1.77		1.75		1.78		# of strides			
	velocity		6.62		10.64		11.30		11.43		11.24		9.80	43.0		
<b>de Grasse, André (CAN) (1994)</b>	time		3.01		4.89		6.67		8.43		10.24	10.24	6 / 4			
	reaction time	0.141	interval		1.88		1.78		1.76		1.81		# of strides			
	velocity		6.64		10.64		11.24		11.36		11.05		9.77	47.5		
<b>Mitchell-Blake, Nethaneel (GBR) (2017)</b>	time		2.99		4.87		6.66		8.45		10.31	10.31	9 / 5			
	reaction time	0.154	interval		1.88		1.79		1.79		1.86		# of strides			
	velocity		6.69		10.64		11.17		11.17		10.75		9.70	45.2		
<b>Gemili, Adam (GBR) (1993)</b>	time		3.00		4.89		6.70		8.51		10.38	10.38	1 / 6			
	reaction time	0.139	interval		1.89		1.81		1.81		1.87		# of strides			
	velocity		6.67		10.58		11.05		11.05		10.70		9.63	48.0		
<b>Prescod, Reece (GBR) (1996)</b>	time		3.08		5.01		6.86		8.72		10.65	10.65	7 / 7			
	reaction time	0.136	interval		1.93		1.85		1.86		1.93		# of strides			
	velocity		6.49		10.36		10.81		10.75		10.36		9.39	44.0		

**2022 Michitaka Kinami Memorial (Osaka, JPN)****Decathlon - Heat 2**

date 30-Apr-22 wind -0.2 m/s

Takefu (2023) - performance analysis of decathlon athletes in the 2022 season

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Okuda, Keisuke (JPN) (1996)</b>	time	1.92	3.03	4.03	4.99	5.93	6.87	7.80	8.75	9.72	10.71	10.71	8 / 1			
	reaction time	0.117	interval		1.00	0.96	0.94	0.93	0.95	0.97	0.99		# of strides	4.03	2.84	2.85
	velocity		5.21	9.01	10.00	10.42	10.64	10.64	10.75	10.53	10.31	10.10	9.34		7.44	10.56
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.97	3.09	4.12	5.11	6.08	7.05	8.02	9.01	10.03	11.06	11.06	3 / 2			
	reaction time	0.134	interval		1.12	1.03	0.99	0.97	0.99	1.02	1.03		# of strides	4.12	2.93	2.98
	velocity		5.08	8.93	9.71	10.10	10.31	10.31	10.10	9.80	9.71	9.04		7.28	10.24	10.07

**Decathlon - Heat 1**

date 30-Apr-22 wind -0.2 m/s

Takefu (2023) - performance analysis of decathlon athletes in the 2022 season

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
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<b>Maruyama, Yuma (JPN) (1998)</b>	time	1.98	3.13	4.16	5.15	6.12	7.08	8.04	9.01	10.00	11.01	11.01	9 / 2				
	reaction time	0.130	interval	1.15	1.03	0.99	0.97	0.96	0.96	0.97	0.99	1.01		# of strides	4.16	2.92	2.92
		velocity	5.05	8.70	9.71	10.10	10.31	10.42	10.42	10.31	10.10	9.90	9.08		7.21	10.27	10.27
<b>Taue, Shun (JPN) (1997)</b>	time	1.95	3.09	4.13	5.13	6.11	7.09	8.07	9.07	10.09	11.14	11.14	6 / 3				
	reaction time	0.132	interval	1.14	1.04	1.00	0.98	0.98	0.98	1.00	1.02	1.05		# of strides	4.13	2.96	3.00
		velocity	5.13	8.77	9.62	10.00	10.20	10.20	10.20	10.00	9.80	9.52	8.98		7.26	10.14	10.00
<b>Isa, Yoshinori (JPN) (1993)</b>	time	2.04	3.22	4.31	5.35	6.37	7.40	8.43	9.49	10.56	11.66	11.66	7 / 7				
	reaction time	0.148	interval	1.18	1.09	1.04	1.02	1.03	1.03	1.06	1.07	1.10		# of strides	4.31	3.09	3.16
		velocity	4.90	8.47	9.17	9.62	9.80	9.71	9.71	9.43	9.35	9.09	8.58		6.96	9.71	9.49

**2021 Weltklasse (Zürich, SUI)****FINAL**

	date	09-Sep-21	wind	-0.4 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
<b>Kerley, Fred (USA) (1995)</b>	time			2.9			4.8			6.5			8.2		9.87	9.87	5 / 1
	reaction time	0.134	interval				1.90			1.70			1.70		1.67		# of strides
		velocity		6.90			10.53			11.76			11.76		11.98	10.13	44.0
<b>de Grasse, André (CAN) (1994)</b>	time			3.0			4.8			6.5			8.2		9.89	9.89	6 / 2
	reaction time	0.110	interval				1.80			1.70			1.70		1.69	=PB	# of strides
		velocity		6.67			11.11			11.76			11.76		11.83	10.11	46.2
<b>Baker, Ronnie (USA) (1993)</b>	time			2.9			4.7			6.4			8.2		9.91	9.91	4 / 3
	reaction time	0.134	interval				1.80			1.70			1.80		1.71		# of strides
		velocity		6.90			11.11			11.76			11.11		11.70	10.09	44.7
<b>Bromell, Trayvon (USA) (1995)</b>	time			2.9			4.8			6.5			8.2		9.96	9.96	7 / 4
	reaction time	0.127	interval				1.90			1.70			1.70		1.76		# of strides
		velocity		6.90			10.53			11.76			11.76		11.36	10.04	46.5
<b>Simbine, Akani (RSA) (1993)</b>	time			3.0			4.9			6.6			8.3		10.10	10.10	8 / 5
	reaction time	0.113	interval				1.90			1.70			1.70		1.80		# of strides
		velocity		6.67			10.53			11.76			11.76		11.11	9.90	48.0
<b>Browning, Rohan (AUS) (1997)</b>	time			3.0			4.8			6.6			8.4		10.18	10.18	2 / 6
	reaction time	0.127	interval				1.80			1.80			1.80		1.78		# of strides
		velocity		6.67			11.11			11.11			11.11		11.24	9.82	47.0
<b>Norman, Michael (USA) (1997)</b>	time			3.0			4.9			6.6			8.4		10.23	10.23	3 / 7
	reaction time	0.152	interval				1.90			1.70			1.80		1.83		# of strides
		velocity		6.67			10.53			11.76			11.11		10.93	9.78	45.0
<b>Wicki, Silvan (SUI) (1995)</b>	time			3.0			4.9			6.7			8.5		10.25	10.25	9 / 8
	reaction time	0.127	interval				1.90			1.80			1.80		1.75		# of strides
		velocity		6.67			10.53			11.11			11.11		11.43	9.76	48.0
<b>Mudiyansele, Yupun Abeykoon</b>	time			3.0			4.9			6.7			8.4		10.25	10.25	1 / 9
	reaction time	0.120	interval				1.90			1.80			1.70		1.85		# of strides
		velocity		6.67			10.53			11.11			11.76		10.81	9.76	43.2

**2021 Memorial van Damme (Brussels, BEL)****FINAL**

	date	03-Sep-21	wind	0.1 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
<b>Kerley, Fred (USA) (1995)</b>	time			3.0			4.8			6.5			8.3		9.94	9.94	5 / 1
	reaction time	0.149	interval				1.80			1.70			1.80		1.64		# of strides
		velocity		6.67			11.11			11.76			11.11		12.20	10.06	44.3
<b>Bromell, Trayvon (USA) (1995)</b>	time			2.9			4.8			6.5			8.2		9.97	9.97	3 / 2
	reaction time	0.138	interval				1.90			1.70			1.70		1.77		# of strides
		velocity		6.90			10.53			11.76			11.76		11.30	10.03	47.0
<b>Norman, Michael (USA) (1997)</b>	time			2.9			4.8			6.5			8.2		9.98	9.98	7 / 3
	reaction time	0.141	interval				1.90			1.70			1.70		1.78		# of strides
		velocity		6.90			10.53			11.76			11.76		11.24	10.02	44.0
<b>Omurwa, Ferdinand (KEN) (1996)</b>	time			3.0			4.8			6.6			8.3		10.02	10.02	6 / 4
	reaction time	0.134	interval				1.80			1.80			1.70		1.72		# of strides
		velocity		6.67			11.11			11.11			11.76		11.63	9.98	47.3
<b>Browning, Rohan (AUS) (1997)</b>	time			3.0			4.8			6.6			8.4		10.14	10.14	2 / 5
	reaction time	0.120	interval				1.80			1.80			1.80		1.74		# of strides
		velocity		6.67			11.11			11.11			11.11		11.49	9.86	47.0
<b>Simbine, Akani (RSA) (1993)</b>	time			3.0			4.9			6.7			8.4		10.18	10.18	4 / 6
	reaction time	0.150	interval				1.90			1.80			1.70		1.78		# of strides
		velocity															

	velocity	6.67	10.53	11.11	11.76	11.24	9.82	48.0
<b>Fall, Mouhamadou (FRA) (1992)</b>	time	3.0	4.9	6.7	8.4	10.19	10.19	8 / 7
	reaction time	0.147	interval	1.90	1.80	1.79		# of strides
	velocity	6.67	10.53	11.11	11.76	11.17	9.81	46.0
<b>Cissé, Arthur (CIV) (1996)</b>	time	3.0	4.9	6.7	8.5	10.34	10.34	1 / 8
	reaction time	0.162	interval	1.90	1.80	1.84		# of strides
	velocity	6.67	10.53	11.11	11.11	10.87	9.67	49.0

**2021 Prefontaine Classic (Eugene, OR)****FINAL**

		date	21-Aug-21	wind	2.9 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
<b>de Grasse, André (CAN) (1994)</b>	time			3.0	4.8	6.4	8.1	9.74	9.74	6 / 1								
	reaction time	0.129	interval		1.80	1.60	1.70	1.64										
	velocity			6.67	11.11	12.50	11.76	12.20	10.27	45.7								
<b>Kerley, Fred (USA) (1995)</b>	time			3.0	4.8	6.5	8.1	9.78	9.78	5 / 2								
	reaction time	0.137	interval		1.80	1.70	1.60	1.68										
	velocity			6.67	11.11	11.76	12.50	11.90	10.22	43.5								
<b>Baker, Ronnie (USA) (1993)</b>	time			3.0	4.7	6.4	8.1	9.82	9.82	2 / 3								
	reaction time	0.138	interval		1.70	1.70	1.70	1.72										
	velocity			6.67	11.76	11.76	11.76	11.63	10.18	45.2								
<b>Bromell, Trayvon (USA) (1995)</b>	time			3.0	4.8	6.5	8.2	9.86	9.86	7 / 4								
	reaction time	0.134	interval		1.80	1.70	1.70	1.66										
	velocity			6.67	11.11	11.76	11.76	12.05	10.14	46.0								
<b>Norman, Michael (USA) (1997)</b>	time			3.0	4.8	6.5	8.2	9.90	9.90	9 / 5								
	reaction time	0.133	interval		1.80	1.70	1.70	1.70										
	velocity			6.67	11.11	11.76	11.76	11.76	10.10	44.0								
<b>Gatlin, Justin (USA) (1982)</b>	time			3.0	4.8	6.5	8.2	9.93	9.93	3 / 6								
	reaction time	0.142	interval		1.80	1.70	1.70	1.73										
	velocity			6.67	11.11	11.76	11.76	11.56	10.07	44.2								
<b>Simbine, Akani (RSA) (1993)</b>	time			3.0	4.8	6.6	8.3	9.95	9.95	4 / 7								
	reaction time	0.132	interval		1.80	1.80	1.70	1.65										
	velocity			6.67	11.11	11.11	11.76	12.12	10.05	47.0								
<b>Young, Isiah (USA) (1990)</b>	time			3.0	4.8	6.5	8.3	9.98	9.98	8 / 8								
	reaction time	0.120	interval		1.80	1.70	1.80	1.68										
	velocity			6.67	11.11	11.76	11.11	11.90	10.02	46.5								
<b>Gillespie Cravon (USA) (1996)</b>	time			3.0	4.8	6.6	8.3	10.09	10.09	1 / 9								
	reaction time	0.145	interval		1.80	1.80	1.70	1.79										
	velocity			6.67	11.11	11.11	11.76	11.17	9.91	46.2								

**2020 Olympic Games (Tokyo, JPN)****FINAL**

		date	01-Aug-21	wind	0.1 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
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	time					3.67			6.31	7.92	9.80	9.80	9.80	9.80	3 / 1			
	reaction time	0.161	interval						2.64	3.49	1.88	AR						
	velocity					8.17			11.36	5.73	10.64	10.20	10.20	45.0	8.17	2.64	11.36	
<b>Kerley, Fred (USA) (1995)</b>	time					3.79			6.39	8.10	9.84	9.84	9.84	9.84	5 / 2			
	reaction time	0.128	interval						2.60	3.45	1.74	PB						
	velocity					7.92			11.54	5.80	11.49	10.16	10.16	42.7	7.92	2.60	11.54	
<b>de Grasse, André (CAN) (1994)</b>	time					3.88			6.48	8.17	9.90	9.90	9.90	9.90	9 / 3			
	reaction time	0.155	interval						2.60	3.42	1.73	PB						
	velocity					7.73			11.54	5.85	11.56	10.10	10.10	46.0	7.73	2.60	11.54	
<b>Simbine, Akani (RSA) (1993)</b>	time					3.88			6.50	8.20	9.93	9.93	9.93	9.93	2 / 4			
	reaction time	0.141	interval						2.62	3.43	1.73							
	velocity					7.73			11.45	5.83	11.56	10.07	10.07	47.0	7.73	2.62	11.45	
<b>Baker, Ronnie (USA) (1993)</b>	time					3.81			6.43	8.15	9.95	9.95	9.95	9.95	7 / 5			
	reaction time	0.148	interval						2.62	3.52	1.80							
	velocity					7.87			11.45	5.68	11.11	10.05	10.05	45.2	7.87	2.62	11.45	
<b>Su Bingtian (CHN) (1989)</b>	time					3.70			6.48	8.20	9.98	9.98	9.98	9.98	6 / 6			
	reaction time	0.167	interval						2.78	3.50	1.78							
	velocity					8.11			10.79	5.71	11.24	10.02	10.02	46.7	8.11	2.78	10.79	

<b>Adegoke, Enoch (NGR) (2000)</b>	time		3.84		6.56		dnf		8 / --
	reaction time	0.157	interval		2.72			# of strides	3.84 2.72
			velocity		7.81		11.03		7.81 11.03

**Hughes, Zarnel (GBR) (1995)** **DQ** 4 / --

**Semi-Final 3**

date 01-Aug-21 wind 0.9 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
<b>Su Bingtian (CHN) (1989)</b>	time				3.73			6.29		8.03		9.83	9.83	4 / 1			
	reaction time	0.142	interval				2.56		3.54		1.80	<b>AR</b>	# of strides	3.73	2.56		
			velocity		8.04		11.72		5.65		11.11	10.17	48.0	8.04	11.72		
<b>Baker, Ronnie (USA) (1993)</b>	time				3.82			6.37		8.06		9.83	9.83	6 / 2			
	reaction time	0.190	interval				2.55		3.46		1.77	<b>PB</b>	# of strides	3.82	2.55		
			velocity		7.85		11.76		5.78		11.30	10.17	44.2	7.85	11.76		
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	time				3.84			6.40		8.08		9.84	9.84	5 / 3			
	reaction time	0.179	interval				2.56		3.44		1.76	<b>AR</b>	# of strides	3.84	2.56		
			velocity		7.81		11.72		5.81		11.36	10.16	45.0	7.81	11.72		
<b>Simbine, Akani (RSA) (1993)</b>	time				3.86			6.46		8.16		9.90	9.90	7 / 4			
	reaction time	0.140	interval				2.60		3.44		1.74		# of strides	3.86	2.60		
			velocity		7.77		11.54		5.81		11.49	10.10	47.0	7.77	11.54		

**2021 Japanese High School National Championships (Fukui, JPN)****FINAL**

date 29-Jul-21 wind 1.8 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Yanagita, Hiroki (JPN) (2003)</b>	time		1.91	2.98	3.94	4.86	5.76	6.65	7.55	8.45	9.37	10.31	10.31	6 / 1			
	reaction time	0.139	interval		1.07	0.96	0.92	0.90	0.89	0.90	0.92	0.94	# of strides	3.94	2.71	2.72	
			velocity		5.24	9.35	10.42	10.87	11.11	11.24	11.11	10.87	9.70	7.61	11.07	11.03	
<b>Inoue, Naoki (JPN) (2003)</b>	time		1.92	3.00	3.98	4.91	5.83	6.75	7.66	8.58	9.51	10.45	10.45	3 / 2			
	reaction time	0.160	interval		1.08	0.98	0.93	0.92	0.92	0.91	0.92	0.93	<b>PB</b>	# of strides	3.98	2.77	2.76
			velocity		5.21	9.26	10.20	10.75	10.87	10.99	10.87	10.75	9.57	7.54	10.83	10.87	
<b>Atago, Rai (JPN) (2003)</b>	time		1.92	3.01	3.99	4.93	5.85	6.76	7.67	8.59	9.52	10.47	10.47	4 / 3			
	reaction time	0.133	interval		1.09	0.98	0.94	0.92	0.91	0.91	0.92	0.93	<b>PB</b>	# of strides	3.99	2.77	2.76
			velocity		5.21	9.17	10.20	10.64	10.87	10.99	10.87	10.75	9.55	7.52	10.83	10.87	
<b>Saga, Aki (JPN) (2003)</b>	time		1.92	3.01	4.00	4.93	5.85	6.76	7.67	8.60	9.55	10.52	10.52	7 / 4			
	reaction time	0.158	interval		1.09	0.99	0.93	0.92	0.91	0.91	0.93	0.95	0.97	# of strides	4.00	2.76	2.79
			velocity		5.21	9.17	10.10	10.75	10.87	10.99	10.99	10.75	10.31	9.51	7.50	10.87	10.75
<b>Shikata, Makoto (JPN) (2003)</b>	time		1.92	3.01	3.99	4.93	5.85	6.77	7.69	8.62	9.56	10.52	10.52	1 / 5			
	reaction time	0.115	interval		1.09	0.98	0.94	0.92	0.92	0.92	0.93	0.94	<b>PB</b>	# of strides	3.99	2.78	2.79
			velocity		5.21	9.17	10.20	10.64	10.87	10.87	10.87	10.75	10.64	9.51	7.52	10.79	10.75
<b>Kuboi, So (JPN) (2003)</b>	time		1.90	2.99	3.97	4.90	5.82	6.74	7.66	8.60	9.55	10.53	10.53	5 / 6			
	reaction time	0.119	interval		1.09	0.98	0.93	0.92	0.92	0.92	0.94	0.95	0.98	# of strides	3.97	2.77	2.81
			velocity		5.26	9.17	10.20	10.75	10.87	10.87	10.87	10.64	10.53	9.50	7.56	10.83	10.68
<b>Terasawa, Daiti (JPN) (2003)</b>	time		1.97	3.07	4.05	4.99	5.91	6.82	7.74	8.67	9.62	10.59	10.59	2 / 7			
	reaction time	0.138	interval		1.10	0.98	0.94	0.92	0.91	0.92	0.93	0.95	0.97	# of strides	4.05	2.77	2.80
			velocity		5.08	9.09	10.20	10.64	10.87	10.99	10.87	10.75	10.53	9.44	7.41	10.83	10.71
<b>Mori, Yuhi (JPN) (2003)</b>	time		1.96	3.05	4.04	4.99	5.92	6.85	7.78	8.72	9.67	10.62	10.62	8 / 8			
	reaction time	0.159	interval		1.09	0.99	0.95	0.93	0.93	0.93	0.94	0.95	0.95	# of strides	4.04	2.81	2.82
			velocity		5.10	9.17	10.10	10.53	10.75	10.75	10.75	10.64	10.53	9.42	7.43	10.68	10.64

**2021 Müller British Grand Prix (Gateshead, GBR)****FINAL**

date 13-Jul-21 wind 0.4 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
<b>Bromell, Trayvon (USA) (1995)</b>	time			3.0		4.8		6.5		8.3		9.98	9.98	4 / 1			
	reaction time	0.173	interval			1.80		1.70		1.80		1.68	# of strides				
			velocity		6.67		11.11		11.76		11.11	11.90	10.02	47.2			
<b>Ujah, Chijindu (GBR) (1994)</b>	time			3.0		4.8		6.6		8.3		10.10	10.10	2 / 2			
	reaction time	0.156	interval			1.80		1.80		1.70		1.80	# of strides				
			velocity		6.67		11.11		11.11		11.76	11.11	9.90	45.2			
<b>Hughes, Zharnel (GBR) (1995)</b>	time			3.1		4.9		6.7		8.4		10.13	10.13	6 / 3			
	reaction time	0.139	interval			1.80		1.80		1.70		1.73	# of strides				
			velocity		6.45		11.11		11.11		11.76	11.56	9.87	46.0			
<b>de Grasse, André (CAN) (1994)</b>	time			3.1		5.0		6.7		8.4		10.13	10.13	3 / 4			
	reaction time	0.176	interval			1.90		1.70		1.70		1.73	# of strides				



	velocity		6.45	10.53	11.76	11.76	11.56	9.87	46.0	
<b>Kerley, Fred (USA) (1995)</b>	time		3.0	4.9	6.6	8.4	10.13	10.13	5 / 5	
reaction time	0.118	interval		1.90	1.70	1.80	1.73		# of strides	
	velocity		6.67	10.53	11.76	11.11	11.56	9.87	44.5	
<b>Rodgers, Michael (USA) (1985)</b>	time		3.0	4.9	6.6	8.4	10.17	10.17	7 / 6	
reaction time	0.175	interval		1.90	1.70	1.80	1.77		# of strides	
	velocity		6.67	10.53	11.76	11.11	11.30	9.83	45.5	
<b>Young, Isiah (USA) (1990)</b>	time		3.0	4.9	6.7	8.4	10.21	10.21	1 / 7	
reaction time	0.168	interval		1.90	1.80	1.70	1.81		# of strides	
	velocity		6.67	10.53	11.11	11.76	11.05	9.79	48.0	
<b>Gemili, Adam (GBR) (1993)</b>	time		3.1	5.0	6.7	8.5	10.21	10.21	8 / 8	
reaction time	0.149	interval		1.90	1.70	1.80	1.71		# of strides	
	velocity		6.45	10.53	11.76	11.11	11.70	9.79	47.2	

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

#### FINAL

date 09-Jul-21 wind 0.3 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
<b>Baker, Ronnie (USA) (1993)</b>	time			3.0		4.8		6.5		8.2		9.91	9.91	3 / 1			
reaction time	0.176	interval				1.80		1.70		1.70		1.71		# of strides			
	velocity			6.67		11.11		11.76		11.76		11.70	10.09	45.5			
<b>Simbine, Akani (RSA) (1993)</b>	time			3.0		4.8		6.6		8.3		9.98	9.98	4 / 2			
reaction time	0.153	interval				1.80		1.80		1.70		1.68		# of strides			
	velocity			6.67		11.11		11.11		11.76		11.90	10.02	47.5			
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	time			3.0		4.8		6.6		8.3		9.99	9.99	7 / 3			
reaction time	0.204	interval				1.80		1.80		1.70		1.69		# of strides			
	velocity			6.67		11.11		11.11		11.76		11.83	10.01	45.7			
<b>de Grasse, André (CAN) (1994)</b>	time			3.0		4.9		6.6		8.3		10.00	10.00	2 / 4			
reaction time	0.148	interval				1.90		1.70		1.70		1.70		# of strides			
	velocity			6.67		10.53		11.76		11.76		11.76	10.00	46.5			
<b>Bromell, Trayvon (USA) (1995)</b>	time			3.0		4.8		6.5		8.3		10.01	10.01	5 / 5			
reaction time	0.147	interval				1.80		1.70		1.80		1.71		# of strides			
	velocity			6.67		11.11		11.76		11.11		11.70	9.99	46.7			
<b>Kerley, Fred (USA) (1995)</b>	time			3.0		4.9		6.6		8.4		10.15	10.15	6 / 6			
reaction time	0.153	interval				1.90		1.70		1.80		1.75		# of strides			
	velocity			6.67		10.53		11.76		11.11		11.43	9.85	44.0			
<b>Tortu, Filippo (ITA) (1998)</b>	time			3.1		4.9		6.7		8.4		10.17	10.17	1 / 7			
reaction time	0.179	interval				1.80		1.80		1.70		1.77		# of strides			
	velocity			6.45		11.11		11.11		11.76		11.30	9.83	44.5			
<b>Vicaut, Jimmy (FRA) (19920)</b>	time			3.1		5.0		6.7		8.4		10.17	10.17	8 / --			
reaction time	0.216	interval				1.90		1.70		1.70		1.77	DQ	# of strides			
	velocity			6.45		10.53		11.76		11.76		11.30	9.83	46.0			

### 2021 Bauhaus Galan (Stockholm, SWE)

#### FINAL

date 04-Jul-21 wind -0.8 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
<b>Baker, Ronnie (USA) (1993)</b>	time			2.9		4.8		6.5		8.3		10.03	10.03	4 / 1			
reaction time	0.149	interval				1.90		1.70		1.80		1.73		# of strides			
	velocity			6.90		10.53		11.76		11.11		11.56	9.97	46.0			
<b>Jacobs, Lamont Marcell (ITA) (199)</b>	time			3.0		4.8		6.5		8.3		10.05	10.05	3 / 2			
reaction time	0.138	interval				1.80		1.70		1.80		1.75		# of strides			
	velocity			6.67		11.11		11.76		11.11		11.43	9.95	46.0			
<b>Ujah, Chijindu (GBR) (1994)</b>	time			3.0		4.8		6.6		8.3		10.10	10.10	6 / 3			
reaction time	0.150	interval				1.80		1.80		1.70		1.80		# of strides			
	velocity			6.67		11.11		11.11		11.76		11.11	9.90	45.5			
<b>Young, Isiah (USA) (1990)</b>	time			3.0		4.8		6.6		8.4		10.13	10.13	2 / 4			
reaction time	0.142	interval				1.80		1.80		1.80		1.73		# of strides			
	velocity			6.67		11.11		11.11		11.11		11.56	9.87	47.2			
<b>Brown, Aaron (CAN) (1992)</b>	time			3.0		4.9		6.7		8.4		10.18	10.18	8 / 5			
reaction time	0.147	interval				1.90		1.80		1.70		1.78		# of strides			
	velocity			6.67		10.53		11.11		11.76		11.24	9.82	47.2			

<b>Blake, Jerome (CAN) (1995)</b>	time	3.0	4.9	6.7	8.4	10.18	10.18	1 / 6	
reaction time	0.147	interval	1.90	1.80	1.70	1.78		# of strides	
		velocity	6.67	10.53	11.11	11.76	11.24	9.82	42.7
<b>Bracy, Marvin (USA) (1993)</b>	time	3.0	4.8	6.6	8.4	10.19	10.19	5 / 7	
reaction time	0.132	interval	1.80	1.80	1.80	1.79		# of strides	
		velocity	6.67	11.11	11.11	11.11	11.17	9.81	48.0
<b>Larsson, Henrik (SWE) (1999)</b>	time	3.0	4.9	6.7	8.6	10.39	10.39	7 / 8	
reaction time	0.124	interval	1.90	1.80	1.90	1.79		# of strides	
		velocity	6.67	10.53	11.11	10.53	11.17	9.62	47.0

**National FINAL**

		date	04-Jul-21	wind	0.5 m/s											<i>Omega Timing (2021) - diamond league race analysis</i>			
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Blake, Jerome (CAN) (1995)</b>	time		3.0										10.15	10.15	3 / 1				
reaction time	0.140	interval											1.75	<b>PB</b>					
		velocity	6.67	10.53	11.11	11.76	11.43	9.85	42.2										
<b>Fall, Mouhamadou (FRA) (1992)</b>	time		3.0										10.16	10.16	5 / 2				
reaction time	0.154	interval											1.76						
		velocity	6.67	10.53	11.11	11.76	11.36	9.84	44.5										
<b>Camara, Ebrima (GAM) (1996)</b>	time		3.0										10.31	10.31	2 / 3				
reaction time	0.141	interval											1.81						
		velocity	6.67	11.11	11.11	10.53	11.05	9.70	47.7										
<b>Safo-Antwi, Sean (GHA) (1990)</b>	time		3.0										10.39	10.39	7 / 4				
reaction time	0.146	interval											1.89						
		velocity	6.67	10.53	11.11	11.11	10.58	9.62	46.7										
<b>Jones, Thomas (SWE) (2001)</b>	time		3.0										10.46	10.46	4 / 5				
reaction time	0.144	interval											1.86	<b>PB</b>					
		velocity	6.67	10.53	10.53	11.11	10.75	9.56	48.5										
<b>Rogo, Desmond (SWE) (1996)</b>	time		3.1										10.54	10.54	1 / 6				
reaction time	0.138	interval											1.84	<b>PB</b>					
		velocity	6.45	10.53	10.53	11.11	10.87	9.49	46.0										
<b>Thor, Viktor (SWE) (2000)</b>	time		3.1										10.65	10.65	8 / 7				
reaction time	0.145	interval											1.85						
		velocity	6.45	10.53	10.53	10.53	10.81	9.39	47.5										
<b>Rose, Odain (SWE) (1992)</b>	time		3.0										10.66	10.66	6 / 8				
reaction time	0.146	interval											1.96						
		velocity	6.67	10.00	11.11	10.53	10.20	9.38	48.0										

**2021 Bislett Games (Oslo, NOR)****National FINAL**

		date	01-Jul-21	wind	0.2 m/s											<i>Omega Timing (2021) - diamond league race analysis</i>			
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Kashafali, Salum Ageze (NOR) (19)</b>	time		3.0										10.58	10.58	5 / 1				
reaction time	0.132	interval											1.88						
		velocity	6.67	10.00	11.11	10.53	10.64	9.45											
<b>Bøe, Filip (NOR) (2000)</b>	time		3.0										10.68	10.68	6 / 2				
reaction time	0.129	interval											1.88	<b>PB</b>					
		velocity	6.67	10.00	10.53	10.53	10.64	9.36											
<b>Pettersen, Even (NOR) (1993)</b>	time		3.1										10.70	10.70	4 / 3				
reaction time	0.125	interval											1.90						
		velocity	6.45	10.53	10.53	10.53	10.53	9.35											
<b>Kjerpset, Øyvind (NOR) (1991)</b>	time		3.1										10.77	10.77	2 / 4				
reaction time	0.150	interval											1.87						
		velocity	6.45	10.00	10.53	10.53	10.70	9.29											
<b>Bifuko, Patrick Monga (NOR) (199)</b>	time		3.1										10.78	10.78	7 / 5				
reaction time	0.135	interval											1.98						
		velocity	6.45	10.00	10.53	11.11	10.10	9.28											
<b>Johnsen, Daniel (NOR) (1998)</b>	time		3.1										10.95	10.95	3 / 6				
reaction time	0.108	interval											2.05						
		velocity	6.45	10.00	10.53	10.53	9.76	9.13											
<b>Sverd, Vegard Dragsund (NOR) (1)</b>	time		3.2										11.21	11.21	1 / 8				
reaction time	0.151	interval											2.01						
		velocity	6.25	10.00	10.00	10.00	9.95	8.92											

## 2021 Golden Gala Pietro Mennea (Florence, ITA)

## FINAL

date 10-Jun-21 wind -0.1 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
Simbine, Akani (RSA) (1993)	time		3.0		4.9		6.6		8.3		10.08	10.08	5 / 1			
	reaction time	0.147			1.90		1.70		1.70		1.78		# of strides			
	velocity		6.67		10.53		11.76		11.76		11.24	9.92	48.5			
Ujah, Chijindu (GBR) (1994)	time		3.0		4.9		6.6		8.4		10.10	10.10	3 / 2			
	reaction time	0.156			1.90		1.70		1.80		1.70		# of strides			
	velocity		6.67		10.53		11.76		11.11		11.76	9.90	45.7			
Matadi, Emmanuel (LBR) (1991)	time		3.0		4.9		6.6		8.4		10.16	10.16	7 / 3			
	reaction time	0.146			1.90		1.70		1.80		1.76		# of strides			
	velocity		6.67		10.53		11.76		11.11		11.36	9.84	46.2			
Mudiyansele, Yupun Abeykoon	time		3.0		4.9		6.6		8.4		10.16	10.16	1 / 4			
	reaction time	0.153			1.90		1.70		1.80		1.76		# of strides			
	velocity		6.67		10.53		11.76		11.11		11.36	9.84	43.5			
Rodgers, Michael (USA) (1985)	time		3.0		4.9		6.7		8.4		10.25	10.25	4 / 5			
	reaction time	0.139			1.90		1.80		1.70		1.85		# of strides			
	velocity		6.67		10.53		11.11		11.76		10.81	9.76	46.0			
Cissé, Arthur (CIV) (1996)	time		3.0		4.9		6.6		8.4		10.35	10.35	6 / 6			
	reaction time	0.136			1.90		1.70		1.80		1.95		# of strides			
	velocity		6.67		10.53		11.76		11.11		10.26	9.66	49.2			
Greene, Cejhae (ANT) (1995)	time		3.0		4.9		6.7		8.6		10.39	10.39	2 / 7			
	reaction time	0.138			1.90		1.80		1.90		1.79		# of strides			
	velocity		6.67		10.53		11.11		10.53		11.17	9.62	49.0			
Harvey, Jak Ali (TUR) (1989)	time		3.1		5.0		6.8		8.6		10.46	10.46	8 / 8			
	reaction time	0.153			1.90		1.80		1.80		1.86		# of strides			
	velocity		6.45		10.53		11.11		11.11		10.75	9.56	46.5			

## 2021 Fuse Sprint (Tottori, JPN)

## FINAL

date 06-Jun-21 wind 2.0 m/s

Miyashiro (2021) - [https://twitter.com/miyashiro\\_kenji/status/1405866149754019845?s=21](https://twitter.com/miyashiro_kenji/status/1405866149754019845?s=21)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Yamagata, Ryota (JPN) (1992)	time		1.83		2.88		3.82		4.71		5.58	6.44	7.30	8.17	9.05	9.95
	reaction time	0.127			1.05		0.94		0.89		0.87	0.86	0.86	0.87	0.88	0.90
	velocity		5.46		9.52		10.64		11.24		11.49	11.63	11.63	11.49	11.36	11.11
Tada, Shuhei (JPN) (1996)	time		1.83		2.87		3.81		4.70		5.57	6.44	7.31	8.19	9.09	10.01
	reaction time	0.136			1.04		0.94		0.89		0.87	0.87	0.87	0.88	0.90	0.92
	velocity		5.46		9.62		10.64		11.24		11.49	11.49	11.49	11.36	11.11	10.87

## 2021 Shimane High School Championships (Honshu, JPN)

## FINAL

date 29-May-21 wind 3.3 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
藤原 琉成	time				4.12		7.00				9.80	10.79	10.79	3 / 1		
	reaction time						2.88				2.80	0.99	# of strides	4.12	2.88	2.80
	velocity				7.28		10.42				10.71	10.10	9.27	50.7	7.28	10.42
吉地 颯太	time				4.08		6.98				9.82	10.80	10.80	4 / 2		
	reaction time						2.90				2.84	0.98	# of strides	4.08	2.90	2.84
	velocity				7.35		10.34				10.56	10.20	9.26	49.5	7.35	10.34
岡本 亮太郎	time				4.13		7.02				9.85	10.84	10.84	6 / 3		
	reaction time						2.89				2.83	0.99	# of strides	4.13	2.89	2.83
	velocity				7.26		10.38				10.60	10.10	9.23	52.0	7.26	10.38
西尾 心虎	time				4.03		6.97				9.87	10.89	10.89	5 / 4		
	reaction time						2.94				2.90	1.02	# of strides	4.03	2.94	2.90
	velocity				7.44		10.20				10.34	9.80	9.18	46.5	7.44	10.20
川端 涼太	time				4.08		7.00				9.87	10.89	10.89	8 / 5		
	reaction time						2.92				2.87	1.02	# of strides	4.08	2.92	2.87
	velocity				7.35		10.27				10.45	9.80	9.18	50.3	7.35	10.27
高野 翔大	time				4.08		7.03				9.93	10.96	10.96	1 / 6		
	reaction time						2.95				2.90	1.03	# of strides	4.08	2.95	2.90
	velocity				7.35		10.17				10.34	9.71	9.12	52.3	7.35	10.17
岩崎 颯春	time				4.13		7.10				10.02	11.03	11.03	7 / 7		
	reaction time						2.97				2.92	1.01	# of strides	4.13	2.97	2.92
	velocity															

	velocity	7.26	10.10	10.27	9.90	9.07	54.7	7.26	10.10	10.27
山本 俊介	time	4.13	7.13	10.08	11.11	11.11	2 / 8			
	reaction time	interval	3.00	2.95	1.03	11.11	# of strides	4.13	3.00	2.95
	velocity	7.26	10.00	10.17	9.71	9.00	49.3	7.26	10.00	10.17

## 2021 Doha Diamond League (Doha, QAT)

## FINAL

date 28-May-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
Ogunode, Femi (QAT) (1991)	time		3.0		4.8		6.6		8.3		10.00	10.00	5 / 1			
	reaction time	0.146	interval		1.80		1.80		1.70		1.70		# of strides			
	velocity		6.67		11.11		11.11		11.76		11.76	10.00	46.0			
Youssef, Mahamat Goubaye (CH)	time		3.2		5.0		6.8		8.5		10.26	10.26	4 / 2			
	reaction time	0.163	interval		1.80		1.80		1.70		1.76	PB	# of strides			
	velocity		6.25		11.11		11.11		11.76		11.36	9.75	44.0			
Barrow, Owaab (QAT) (2001)	time		3.1		5.0		6.8		8.7		10.46	10.46	8 / 3			
	reaction time	0.152	interval		1.90		1.80		1.90		1.76	PB	# of strides			
	velocity		6.45		10.53		11.11		10.53		11.36	9.56	46.0			
Ibrahim, Mahmoud Hafiz (KSA) (1998)	time		3.1		5.0		6.8		8.7		10.48	10.48	7 / 4			
	reaction time	0.138	interval		1.90		1.80		1.90		1.78		# of strides			
	velocity		6.45		10.53		11.11		10.53		11.24	9.54	47.0			
Özer, Kayhan (TUR) (1998)	time		3.1		5.0		6.8		8.7		10.48	10.48	6 / 5			
	reaction time	0.142	interval		1.90		1.80		1.90		1.78		# of strides			
	velocity		6.45		10.53		11.11		10.53		11.24	9.54	47.0			
Khalid, Mahamat Zakaria (QAT) (2001)	time		3.1		5.0		6.9		8.8		10.59	10.59	2 / 6			
	reaction time	0.142	interval		1.90		1.90		1.90		1.79		# of strides			
	velocity		6.45		10.53		10.53		10.53		11.17	9.44	48.0			
Zamzoun Al-Absi, Saeed Othman	time		3.1		5.1		6.9		8.8		10.60	10.60	1 / 7			
	reaction time	0.111	interval		2.00		1.80		1.90		1.80	PB	# of strides			
	velocity		6.45		10.00		11.11		10.53		11.11	9.43	46.5			
Ogunode, Tosin (QAT) (1994)	time		3.4		5.3		7.1		8.9		10.72	10.72	3 / 8			
	reaction time	0.202	interval		1.90		1.80		1.80		1.82		# of strides			
	velocity		5.88		10.53		11.11		11.11		10.99	9.33	46.2			

## 2020 Japanese U20 National Championships (Hiroshima, JPN)

## FINAL

date 24-Oct-20 wind -2.4 m/s

Kobayashi (2020) - national high school and U20 national championships

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Hayashi, Kanata (JPN) (2001)	time	1.91	3.00	4.00	4.95	5.90	6.84	7.79	8.75	9.73	10.72	10.72	3 / 1			
	reaction time	0.144	interval	1.09	1.00	0.95	0.95	0.94	0.95	0.96	0.98	0.99	# of strides	4.00	2.84	2.89
	velocity	5.24	9.17	10.00	10.53	10.53	10.64	10.53	10.42	10.20	10.10	9.33	50.2	7.50	10.56	10.38
Hirano, Shodai (JPN) (2001)	time	1.93	3.02	4.01	4.97	5.92	6.86	7.82	8.78	9.77	10.78	10.78	7 / 2			
	reaction time	0.155	interval	1.09	0.99	0.96	0.95	0.94	0.96	0.96	0.99	1.01	# of strides	4.01	2.85	2.91
	velocity	5.18	9.17	10.10	10.42	10.53	10.64	10.42	10.42	10.10	9.90	9.28	49.3	7.48	10.53	10.31
Shitara, Oga (JPN) (2001)	time	1.94	3.04	4.04	5.01	5.96	6.91	7.86	8.83	9.81	10.80	10.80	5 / 3			
	reaction time	0.163	interval	1.10	1.00	0.97	0.95	0.95	0.97	0.98	0.99		# of strides	4.04	2.87	2.90
	velocity	5.15	9.09	10.00	10.31	10.53	10.53	10.53	10.31	10.20	10.10	9.26	47.5	7.43	10.45	10.34
Miyauchi, Kazuya (JPN) (2001)	time	1.93	3.04	4.04	5.01	5.96	6.90	7.85	8.82	9.80	10.81	10.81	8 / 4			
	reaction time	0.167	interval	1.11	1.00	0.97	0.95	0.94	0.95	0.97	0.98	1.01	# of strides	4.04	2.86	2.90
	velocity	5.18	9.01	10.00	10.31	10.53	10.64	10.53	10.31	10.20	9.90	9.25	52.3	7.43	10.49	10.34
Nakamura, Shota (JPN) (2001)	time	1.93	3.03	4.04	5.00	5.95	6.90	7.86	8.83	9.82	10.83	10.83	6 / 5			
	reaction time	0.149	interval	1.10	1.01	0.96	0.95	0.95	0.96	0.97	0.99	1.01	# of strides	4.04	2.86	2.92
	velocity	5.18	9.09	9.90	10.42	10.53	10.53	10.42	10.31	10.10	9.90	9.23	52.7	7.43	10.49	10.27
Fukagawa, Shinpei (JPN) (2002)	time	1.97	3.08	4.09	5.05	6.01	6.96	7.93	8.90	9.90	10.92	10.92	4 / 6			
	reaction time	0.164	interval	1.11	1.01	0.96	0.96	0.95	0.97	0.97	1.00	1.02	# of strides	4.09	2.87	2.94
	velocity	5.08	9.01	9.90	10.42	10.42	10.53	10.31	10.31	10.00	9.80	9.16	51.8	7.33	10.45	10.20

## Heat 3

date 24-Oct-20 wind -1.5 m/s

Kobayashi (2020) - national high school and U20 national championships

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fukagawa, Shinpei (JPN) (2002)	time	1.90	3.01	4.01	4.97	5.91	6.85	7.80	8.75	9.73	10.72	10.72	4 / 1			
	reaction time	0.140	interval	1.11	1.00	0.96	0.94	0.94	0.95	0.98	0.99		# of strides	4.01	2.84	2.88
	velocity	5.26	9.01	10.00	10.42	10.64	10.64	10.53	10.53	10.20	10.10	9.33	51.9	7.48	10.56	10.42
Miyauchi, Kazuya (JPN) (2001)	time	1.93	3.04	4.05	5.02	5.97	6.92	7.87	8.83	9.81	10.81	10.81	3 / 2			
	reaction time	0.163	interval	1.11	1.01	0.97	0.95	0.95	0.95	0.96	0.98	1.00	# of strides	4.05	2.87	2.89

velocity	5.18	9.01	9.90	10.31	10.53	10.53	10.53	10.42	10.20	10.00	9.25	52.2	7.41	10.45	10.38
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**Heat 2**

date		24-Oct-20		wind		-0.2 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Hayashi, Kanata (JPN) (2001)</b>	time	1.90	2.98	3.97	4.91	5.84	6.77	7.71	8.66	9.63	10.62	10.62	5 / 1				
	0.149 interval		1.08	0.99	0.94	0.93	0.93	0.94	0.95	0.97	0.99		# of strides	3.97	2.80	2.86	
	velocity	5.26	9.26	10.10	10.64	10.75	10.75	10.64	10.53	10.31	10.10	9.42	49.3	7.56	10.71	10.49	
<b>Nakamura, Shota (JPN) (2001)</b>	time	1.98	3.08	4.08	5.03	5.96	6.90	7.84	8.79	9.76	10.76	10.76	4 / 2				
	0.160 interval		1.10	1.00	0.95	0.93	0.94	0.94	0.95	0.97	1.00		# of strides	4.08	2.82	2.86	
	velocity	5.05	9.09	10.00	10.53	10.75	10.64	10.64	10.53	10.31	10.00	9.29	50.2	7.35	10.64	10.49	

**Heat 1**

date		24-Oct-20		wind		-1.1 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Shitara, Oga (JPN) (2001)</b>	time	1.92	3.02	4.02	4.97	5.91	6.85	7.78	8.73	9.69	10.66	10.66	3 / 1				
	0.135 interval		1.10	1.00	0.95	0.94	0.94	0.93	0.95	0.96	0.97		# of strides	4.02	2.83	2.84	
	velocity	5.21	9.09	10.00	10.53	10.64	10.64	10.75	10.53	10.42	10.31	9.38	47.5	7.46	10.60	10.56	
<b>Hirano, Shodai (JPN) (2001)</b>	time	1.94	3.04	4.03	4.99	5.93	6.87	7.81	8.78	9.76	10.77	10.77	5 / 2				
	0.143 interval		1.10	0.99	0.96	0.94	0.94	0.94	0.97	0.98	1.01		# of strides	4.03	2.84	2.89	
	velocity	5.15	9.09	10.10	10.42	10.64	10.64	10.64	10.31	10.20	9.90	9.29	49.0	7.44	10.56	10.38	

**2020 Japanese High School National Championships (Hiroshima, JPN)****A FINAL**

date		24-Oct-20		wind		0.6 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Miwa, Sota (JPN) (2002)</b>	time	1.95	3.04	4.02	4.95	5.87	6.78	7.69	8.61	9.54	10.48	10.48	4 / 1				
	0.173 interval		1.09	0.98	0.93	0.92	0.91	0.91	0.92	0.93	0.94		# of strides	4.02	2.76	2.76	
	velocity	5.13	9.17	10.20	10.75	10.87	10.99	10.99	10.87	10.75	10.64	9.54	47.5	7.46	10.87	10.87	
<b>重谷 大樹</b>	time	1.90	2.99	3.98	4.92	5.85	6.77	7.70	8.63	9.58	10.54	10.54	6 / 2				
	0.155 interval		1.09	0.99	0.94	0.93	0.92	0.93	0.93	0.95	0.96		# of strides	3.98	2.79	2.81	
	velocity	5.26	9.17	10.10	10.64	10.75	10.87	10.75	10.75	10.53	10.42	9.49	48.6	7.54	10.75	10.68	
<b>Shimada, Kaishin (JPN) (2002)</b>	time	1.93	3.02	4.00	4.94	5.87	6.78	7.70	8.63	9.58	10.55	10.55	5 / 3				
	0.164 interval		1.09	0.98	0.94	0.93	0.91	0.92	0.93	0.95	0.97		# of strides	4.00	2.78	2.80	
	velocity	5.18	9.17	10.20	10.64	10.75	10.99	10.87	10.75	10.53	10.31	9.48	52.2	7.50	10.79	10.71	
<b>Taka, Shohei (JPN) (2002)</b>	time	1.92	3.02	4.02	4.97	5.91	6.84	7.77	8.70	9.65	10.61	10.61	8 / 4				
	0.173 interval		1.10	1.00	0.95	0.94	0.93	0.93	0.93	0.95	0.96		# of strides	4.02	2.82	2.81	
	velocity	5.21	9.09	10.00	10.53	10.64	10.75	10.75	10.75	10.53	10.42	9.43	53.6	7.46	10.64	10.68	
<b>加藤 慎之介</b>	time	1.98	3.08	4.07	5.02	5.95	6.87	7.79	8.72	9.66	10.62	10.62	1 / 5				
	0.173 interval		1.10	0.99	0.95	0.93	0.92	0.92	0.93	0.94	0.96		# of strides	4.07	2.80	2.79	
	velocity	5.05	9.09	10.10	10.53	10.75	10.87	10.87	10.75	10.64	10.42	9.42	49.2	7.37	10.71	10.75	
<b>Fujiwara, Hiroto (JPN) (2003)</b>	time	1.98	3.07	4.06	5.00	5.92	6.85	7.77	8.71	9.67	10.65	10.65	3 / 6				
	0.174 interval		1.09	0.99	0.94	0.92	0.93	0.92	0.94	0.96	0.98		# of strides	4.06	2.79	2.82	
	velocity	5.05	9.17	10.10	10.64	10.87	10.75	10.87	10.64	10.42	10.20	9.39	47.8	7.39	10.75	10.64	

**Heat 5**

date		24-Oct-20		wind		0.3 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Miwa, Sota (JPN) (2002)</b>	time	1.93	3.01	3.98	4.90	5.80	6.70	7.60	8.51	9.44	10.39	10.39	5 / 1				
	0.160 interval		1.08	0.97	0.92	0.90	0.90	0.90	0.91	0.93	0.95		# of strides	3.98	2.72	2.74	
	velocity	5.18	9.26	10.31	10.87	11.11	11.11	11.11	10.99	10.75	10.53	9.62	46.5	7.54	11.03	10.95	

**Heat 4**

date		24-Oct-20		wind		0.8 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Taka, Shohei (JPN) (2002)</b>	time	1.88	2.97	3.96	4.91	5.84	6.77	7.70	8.65	9.60	10.58	10.58	5 / 1				
	0.140 interval		1.09	0.99	0.95	0.93	0.93	0.93	0.95	0.98		# of strides	3.96	2.81	2.83		
	velocity	5.32	9.17	10.10	10.53	10.75	10.75	10.75	10.53	10.53	10.20	9.45	53.2	7.58	10.68	10.60	

**Heat 3**

date		24-Oct-20		wind		2.0 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>重谷 大樹</b>	time	1.90	2.97	3.94	4.87	5.79	6.70	7.61	8.54	9.48	10.44	10.44	5 / 1				
	0.150 interval		1.07	0.97	0.93	0.92	0.91	0.91	0.93	0.94	0.96		# of strides	3.94	2.76	2.78	
	velocity	5.26	9.35	10.31	10.75	10.87	10.99	10.99	10.75	10.64	10.42	9.58	48.5	7.61	10.87	10.79	

**Heat 2**

date		24-Oct-20		wind		0.2 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Shimada, Kaishin (JPN) (2002)</b>	time	1.89	2.97	3.95	4.88	5.80	6.71	7.63	8.57	9.52	10.51	10.51	3 / 1				
	0.142 interval		1.08	0.98	0.93	0.92	0.91	0.92	0.94	0.95	0.99		# of strides	3.95	2.76	2.81	
	velocity	5.29	9.26	10.20	10.75	10.87	10.99	10.87	10.64	10.53	10.10	9.51	52.2	7.59	10.87	10.68	

**Heat 1**

date		24-Oct-20		wind		2.0 m/s		Kobayashi (2020) - national high school and U20 national championships									
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	

<b>Fujiwara, Hiroto (JPN) (2003)</b>	time	1.94	3.02	3.99	4.93	5.84	6.75	7.67	8.60	9.55	10.53	10.53	5 / 1				
reaction time	0.153	interval	1.08	0.97	0.94	0.91	0.91	0.92	0.93	0.95	0.98		# of strides	3.99	2.76	2.80	
		velocity	5.15	9.26	10.31	10.64	10.99	10.99	10.87	10.75	10.53	10.20	9.50	47.8	7.52	10.87	10.71
<b>加藤 慎之介</b>	time	1.96	3.05	4.04	4.98	5.90	6.82	7.73	8.65	9.59	10.54	10.54	3 / 2				
reaction time	0.175	interval	1.09	0.99	0.94	0.92	0.92	0.91	0.92	0.94	0.95		# of strides	4.04	2.78	2.77	
		velocity	5.10	9.17	10.10	10.64	10.87	10.87	10.99	10.87	10.64	10.53	9.49	49.2	7.43	10.79	10.83

## 2020 Japanese National Championships (Niigata, JPN)

## FINAL

	date	02-Oct-20	wind	-0.2 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.86	2.92	3.89	4.81	5.70	6.60	7.49	8.40	9.32	10.27	10.27	7 / 1				
reaction time	0.127	interval	1.06	0.97	0.92	0.89	0.90	0.89	0.91	0.92	0.95		# of strides	3.89	2.71	2.72	
		velocity	5.38	9.43	10.31	10.87	11.24	11.11	11.24	10.99	10.87	10.53	9.74	49.0	7.71	11.07	11.03
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.89	2.97	3.93	4.85	5.75	6.64	7.53	8.43	9.34	10.28	10.28	4 / 2				
reaction time	0.154	interval	1.08	0.96	0.92	0.90	0.89	0.89	0.90	0.91	0.94		# of strides	3.93	2.71	2.70	
		velocity	5.29	9.26	10.42	10.87	11.11	11.24	11.11	10.99	10.64	9.73	47.0	7.63	11.07	11.11	
<b>Koike, Yuki (JPN) (1995)</b>	time	1.90	2.98	3.94	4.86	5.76	6.65	7.54	8.44	9.36	10.30	10.30	5 / 3				
reaction time	0.148	interval	1.08	0.96	0.92	0.90	0.89	0.89	0.90	0.92	0.94		# of strides	3.94	2.71	2.71	
		velocity	5.26	9.26	10.42	10.87	11.11	11.24	11.11	10.87	10.64	9.71	51.0	7.61	11.07	11.07	
<b>Iizuka, Shota (JPN) (1991)</b>	time	1.89	2.97	3.94	4.87	5.77	6.67	7.56	8.47	9.39	10.33	10.33	9 / 4				
reaction time	0.139	interval	1.08	0.97	0.93	0.90	0.90	0.89	0.91	0.92	0.94		# of strides	3.94	2.73	2.72	
		velocity	5.29	9.26	10.31	10.75	11.11	11.11	11.24	10.99	10.87	10.64	9.68	50.0	7.61	10.99	11.03
<b>Tada, Shushei (JPN) (1996)</b>	time	1.85	2.91	3.87	4.78	5.68	6.58	7.49	8.41	9.36	10.34	10.34	6 / 5				
reaction time	0.142	interval	1.06	0.96	0.91	0.90	0.90	0.91	0.92	0.95	0.98		# of strides	3.87	2.71	2.78	
		velocity	5.41	9.43	10.42	10.99	11.11	11.11	10.99	10.87	10.53	10.20	9.67	49.0	7.75	11.07	10.79
<b>Suzuki, Ryota (JPN) (1999)</b>	time	1.87	2.95	3.93	4.86	5.77	6.68	7.59	8.52	9.45	10.41	10.41	3 / 6				
reaction time	0.132	interval	1.08	0.98	0.93	0.91	0.91	0.91	0.93	0.93	0.96		# of strides	3.93	2.75	2.77	
		velocity	5.35	9.26	10.20	10.75	10.99	10.99	10.99	10.75	10.75	10.42	9.61	50.2	7.63	10.91	10.83
<b>Yanagita, Hiroki (JPN) (2003)</b>	time	1.90	2.97	3.94	4.86	5.76	6.67	7.58	8.50	9.45	10.43	10.43	2 / 7				
reaction time	0.151	interval	1.07	0.97	0.92	0.90	0.91	0.91	0.92	0.95	0.98		# of strides	3.94	2.73	2.78	
		velocity	5.26	9.35	10.31	10.87	11.11	10.99	10.99	10.87	10.53	10.20	9.59	44.5	7.61	10.99	10.79
<b>Takeda, Ippei (JPN) (1997)</b>	time	1.88	2.96	3.94	4.88	5.80	6.72	7.64	8.58	9.54	10.52	10.52	8 / 8				
reaction time	0.146	interval	1.08	0.98	0.94	0.92	0.92	0.92	0.94	0.96	0.98		# of strides	3.94	2.78	2.82	
		velocity	5.32	9.26	10.20	10.64	10.87	10.87	10.64	10.42	10.20	9.51	50.2	7.61	10.79	10.64	

## Heat 6

	date	01-Oct-20	wind	0.1 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Miwa, Sota (JPN) (2002)</b>	time	1.93	3.02	4.00	4.93	5.85	6.75	7.66	8.58	9.51	10.45	10.45	3 / 2				
reaction time	0.146	interval	1.09	0.98	0.93	0.92	0.90	0.91	0.92	0.93	0.94		# of strides	4.00	2.75	2.76	
		velocity	5.18	9.17	10.20	10.75	10.87	11.11	10.99	10.87	10.75	10.64	9.57	49.6	7.50	10.91	10.87

## Heat 5

	date	01-Oct-20	wind	-0.2 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Suzuki, Ryota (JPN) (1999)</b>	time	1.87	2.95	3.93	4.86	5.77	6.68	7.59	8.52	9.45	10.41	10.40	6 / 2				
reaction time	0.135	interval	1.08	0.98	0.93	0.91	0.91	0.91	0.93	0.93	0.96		# of strides	3.93	2.75	2.77	
		velocity	5.35	9.26	10.20	10.75	10.99	10.99	10.99	10.75	10.75	10.42	9.62	52.2	7.63	10.91	10.83

## Heat 4

	date	01-Oct-20	wind	-0.3 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time	1.90	2.97	3.94	4.86	5.77	6.67	7.58	8.50	9.44	10.40	10.40	6 / 2				
reaction time	0.137	interval	1.07	0.97	0.92	0.91	0.90	0.91	0.92	0.94	0.96		# of strides	3.94	2.73	2.77	
		velocity	5.26	9.35	10.31	10.87	10.99	11.11	10.99	10.87	10.64	10.42	9.62	52.5	7.61	10.99	10.83

## Heat 2

	date	01-Oct-20	wind	0.2 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Dede, Bruno Chikwadoro (JPN)</b>	time	1.91	2.98	3.94	4.87	5.77	6.68	7.59	8.51	9.46	10.43	10.43	6 / 3				
reaction time	0.134	interval	1.07	0.96	0.93	0.90	0.91	0.91	0.92	0.95	0.97		# of strides	3.94	2.74	2.78	
		velocity	5.24	9.35	10.42	10.75	11.11	10.99	10.99	10.87	10.53	10.31	9.59	49.5	7.61	10.95	10.79

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

## Decathlon - Heat 3

	date	26-Sep-20	wind	0.2 m/s	Matsubayashi (2020) - research on athlete performance and technique- 2020 data book												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Taue, Shun (JPN) (1997)</b>	time	2.01	3.14	4.17	5.15	6.11	7.07	8.03	9.01	10.00	11.01	11.01	8 / 5				
reaction time		interval	1.13	1.03	0.98	0.96	0.96	0.96	0.98	0.99	1.01		# of strides	4.17	2.90	2.93	
		velocity	4.98	8.85	9.71	10.20	10.42	10.42	10.42	10.20	10.10	9.90	9.08		7.19	10.34	10.24
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.97	3.10	4.12	5.11	6.08	7.04	8.02	9.00	10.00	11.02	11.02	5 / 6				
reaction time		interval	1.13	1.02	0.99	0.97	0.96	0.98	0.98	1.00	1.02		# of strides	4.12	2.92	2.96	

velocity	5.08	8.85	9.80	10.10	10.31	10.42	10.20	10.20	10.00	9.80	9.07	7.28	10.27	10.14
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**Decathlon - Heat 1**

		date	26-Sep-20	wind	0.2 m/s	<i>Matsubayashi (2020) - research on athlete performance and technique- 2020 data book</i>														
						10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time					2.05	3.20	4.25	5.26	6.26	7.25	8.26	9.29	10.34	11.41	11.41	5 / 4			
	reaction time																# of strides	4.25	3.00	3.09
	velocity					4.88	8.70	9.52	9.90	10.00	10.10	9.90	9.71	9.52	9.35	8.76		7.06	10.00	9.71

**2020 All Japan Corporate Championships (Kumagaya, JPN)****FINAL**

		date	20-Sep-20	wind	1.2 m/s	<i>Ohnuma (2020) - men's 100m race analysis at major competitions in 2020</i>														
						10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Kusano, Seiya (JPN) (1988)</b>	time					1.87	2.93	3.90	4.81	5.71	6.61	7.51	8.42	9.35	10.30	10.30	3 / 1			
	reaction time	0.123															# of strides	3.90	2.71	2.74
	velocity					5.35	9.43	10.31	10.99	11.11	11.11	11.11	10.99	10.75	10.53	9.71		50.4	7.69	11.07
<b>Yamashita, Jun (JPN) (1997)</b>	time					1.92	2.99	3.96	4.88	5.78	6.68	7.58	8.49	9.42	10.37	10.37	6 / 4			
	reaction time	0.128															# of strides	3.96	2.72	2.74
	velocity					5.21	9.35	10.31	10.87	11.11	11.11	11.11	10.99	10.75	10.53	9.64		47.5	7.58	11.03

**2020 Golden Gala Pietro Mennea (Rome, ITA)****FINAL**

		date	17-Sep-20	wind	0.3 m/s	<i>Omega Timing (2020) - diamond league race analysis</i>														
						10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Simbine, Akani (RSA) (1993)</b>	time						3.0		4.8		6.5		8.2		9.96	9.96	5 / 1			
	reaction time	0.144							1.78		1.70		1.70		1.76		# of strides			
	velocity						6.62		11.24		11.76		11.76		11.36	6.02		48.2		
<b>Cissé, Arthur (CIV) (1996)</b>	time						3.0		4.8		6.5		8.2		10.04	10.04	2 / 2			
	reaction time	0.136							1.81		1.69		1.70		1.84		# of strides			
	velocity						6.67		11.05		11.83		11.76		10.87	5.98		48.0		
<b>Tortu, Filippo (ITA) (1998)</b>	time						3.0		4.9		6.6		8.4		10.09	10.09	6 / 3			
	reaction time	0.151							1.82		1.76		1.78		1.69		# of strides			
	velocity						6.58		10.99		11.36		11.24		11.83	5.95		44.0		
<b>Jacobs, Lamont Marcell (ITA) (1999)</b>	time						3.0		4.8		6.6		8.4		10.11	10.11	4 / 4			
	reaction time	0.134							1.80		1.80		1.80		1.71		# of strides			
	velocity						6.67		11.11		11.11		11.11		11.70	5.93		45.0		
<b>Rodgers, Michael (USA) (1985)</b>	time						3.0		4.8		6.6		8.4		10.12	10.12	3 / 5			
	reaction time	0.153							1.80		1.80		1.80		1.72		# of strides			
	velocity						6.67		11.11		11.11		11.11		11.63	5.93		45.0		
<b>Forte, Julian (JAM) (1993)</b>	time						3.0		4.8		6.6		8.4		10.15	10.15	7 / 6			
	reaction time	0.132							1.80		1.80		1.80		1.75		# of strides			
	velocity						6.67		11.11		11.11		11.11		11.43	5.91		45.0		
<b>Almas, Deniz (GER) (1997)</b>	time						3.0		4.9		6.7		8.5		10.27	10.27	8 / 7			
	reaction time	0.143							1.90		1.80		1.80		1.77		# of strides			
	velocity						6.67		10.53		11.11		11.11		11.30	5.84		49.5		
<b>Fall, Mouhamadou (FRA) (1992)</b>	time						3.1		4.9		6.7		8.5		10.29	10.29	1 / 8			
	reaction time	0.143							1.80		1.80		1.80		1.79		# of strides			
	velocity						6.45		11.11		11.11		11.11		11.17	5.83		45.7		
<b>Burke, Mario (BAR) (1997)</b>	time						3.0		4.9		6.7		8.5		10.34	10.34	9 / 9			
	reaction time	0.123							1.90		1.80		1.80		1.84		# of strides			
	velocity						6.67		10.53		11.11		11.11		10.87	5.80		45.7		

**2020 Shimane High School Championships (Honshu, JPN)****FINAL**

		date	11-Jul-20	wind	1.5 m/s	<i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>														
						10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>齊藤 樹</b>	time							4.03			6.83			9.72	10.70	10.70	6 / 1			
	reaction time										2.80			2.89	0.98		# of strides	4.03	2.80	2.89
	velocity							7.44			10.71			10.38	10.20	9.35		49.7	7.44	10.71
<b>門谷 昇星</b>	time							4.05			6.88			9.78	10.70	10.79	5 / 2			
	reaction time										2.83			2.90	0.92		# of strides	4.05	2.83	2.90
	velocity							7.41			10.60			10.34	10.87	9.27		50.0	7.41	10.60
<b>渡部 翔</b>	time							4.08			6.90			9.80	10.80	10.80	4 / 3			
	reaction time										2.82			2.90	1.00		# of strides	4.08	2.82	2.90
	velocity							7.35			10.64			10.34	10.00	9.26		51.5	7.35	10.64
<b>吉地 颯太</b>	time							4.18			7.00			9.97	10.99	10.99	1 / 4			
	reaction time										2.82			2.97	1.02		# of strides	4.18	2.82	2.97
	velocity							7.18			10.64			10.10	9.80	9.10		51.5	7.18	10.64

井上 創亮	time	4.17	7.02	10.02	11.06	11.06	7 / 5						
	reaction time		2.85	3.00	1.04		# of strides	4.17	2.85	3.00			
	velocity	7.19	10.53	10.00	9.62	9.04	51.5	7.19	10.53	10.00			
大矢 峻輔	time	4.08	7.00	10.08	11.16	11.16	8 / 6						
	reaction time		2.92	3.08	1.08		# of strides	4.08	2.92	3.08			
	velocity	7.35	10.27	9.74	9.26	8.96	52.5	7.35	10.27	9.74			
堀 汐音	time	4.18	7.08	10.17	11.23	11.23	3 / 7						
	reaction time		2.90	3.09	1.06		# of strides	4.18	2.90	3.09			
	velocity	7.18	10.34	9.71	9.43	8.90	50.0	7.18	10.34	9.71			
牧原 和史	time	4.30	7.22	10.23	11.23	11.23	2 / 8						
	reaction time		2.92	3.01	1.00		# of strides	4.30	2.92	3.01			
	velocity	6.98	10.27	9.97	10.00	8.90	47.3	6.98	10.27	9.97			

## 2020 World Athletics Trials (Fuji, JPN)

## Race 2

date	06-Sep-20	wind	-0.9 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
lizuka, Shota (JPN) (1991)	time	1.88	2.96	3.93	4.85	5.75	6.63	7.52	8.41	9.32	10.25	10.25	/ 1			
reaction time	interval		1.08	0.97	0.92	0.90	0.88	0.89	0.89	0.91	0.93		# of strides	3.93	2.70	2.69
	velocity	5.32	9.26	10.31	10.87	11.11	11.36	11.24	11.24	10.99	10.75	9.76	50.6	7.63	11.11	11.15

## Race 1

date	06-Sep-20	wind	0.6 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Taka, Shoei (JPN) (2002)	time	1.88	2.99	3.99	4.95	5.88	6.81	7.74	8.68	9.63	10.61	10.61	/ 5			
reaction time	interval		1.11	1.00	0.96	0.93	0.93	0.93	0.94	0.95	0.98	=PB	# of strides	3.99	2.82	2.82
	velocity	5.32	9.01	10.00	10.42	10.75	10.75	10.75	10.64	10.53	10.20	9.43	55.8	7.52	10.64	10.64

## 2020 Athlete Night Games (Fukui, JPN)

## FINAL

date	29-Aug-20	wind	1.0 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Cambridge, Aska (JPN) (1993)	time	1.87	2.94	3.89	4.79	5.67	6.53	7.39	8.26	9.13	10.03	10.03	/ 1			
reaction time	interval		1.07	0.95	0.90	0.88	0.86	0.86	0.87	0.87	0.90	PB	# of strides	3.89	2.64	2.60
	velocity	5.35	9.35	10.53	11.11	11.36	11.63	11.63	11.49	11.49	11.11	9.97	48.5	7.71	11.36	11.54
Kiryu, Yoshihide (JPN) (1995)	time	1.84	2.91	3.86	4.77	5.65	6.52	7.39	8.27	9.16	10.06	10.06	/ 2			
reaction time	interval		1.07	0.95	0.91	0.88	0.87	0.87	0.88	0.89	0.90		# of strides	3.86	2.66	2.64
	velocity	5.43	9.35	10.53	10.99	11.36	11.49	11.49	11.36	11.24	11.11	9.94	49.6	7.77	11.28	11.36
Koike, Yuki (JPN) (1995)	time	1.93	3.01	3.97	4.88	5.76	6.64	7.51	8.39	9.28	10.19	10.19	/ 3			
reaction time	interval		1.08	0.96	0.91	0.88	0.88	0.87	0.88	0.89	0.91		# of strides	3.97	2.67	2.64
	velocity	5.18	9.26	10.42	10.99	11.36	11.36	11.49	11.36	11.24	10.99	9.81	52.1	7.56	11.24	11.36
Tada, Shuhei (JPN) (1996)	time	1.87	2.93	3.88	4.79	5.68	6.56	7.45	8.35	9.27	10.21	10.21	/ 4			
reaction time	interval		1.06	0.95	0.91	0.89	0.88	0.89	0.90	0.92	0.94		# of strides	3.88	2.68	2.71
	velocity	5.35	9.43	10.53	10.99	11.24	11.36	11.24	11.11	10.87	10.64	9.79	50.4	7.73	11.19	11.07

## Heat 2

date	29-Aug-20	wind	1.5 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tada, Shuhei (JPN) (1996)	time	1.84	2.91	3.86	4.77	5.66	6.54	7.43	8.33	9.24	10.18	10.18	/ 1			
reaction time	interval		1.07	0.95	0.91	0.89	0.88	0.89	0.90	0.91	0.94		# of strides	3.86	2.68	2.70
	velocity	5.43	9.35	10.53	10.99	11.24	11.36	11.24	11.11	10.99	10.64	9.82	51.5	7.77	11.19	11.11
Mizukubo, Soshi (JPN) (1999)	time	1.86	2.94	3.92	4.85	5.75	6.64	7.53	8.42	9.33	10.26	10.26	/ 2			
reaction time	interval		1.08	0.98	0.93	0.90	0.89	0.89	0.89	0.91	0.93		# of strides	3.92	2.72	2.69
	velocity	5.38	9.26	10.20	10.75	11.11	11.24	11.24	11.24	10.99	10.75	9.75	48.8	7.65	11.03	11.15
Shiraishi, Kirara (JPN) (1996)	time	1.87	2.95	3.93	4.86	5.76	6.66	7.55	8.46	9.38	10.31	10.31	/ 3			
reaction time	interval		1.08	0.98	0.93	0.90	0.90	0.89	0.91	0.92	0.93		# of strides	3.93	2.73	2.72
	velocity	5.35	9.26	10.20	10.75	11.11	11.11	11.24	10.99	10.87	10.75	9.70	49.6	7.63	10.99	11.03

## 2020 Seiko Golden Grand Prix (Tokyo, JPN)

## Heat 3

date	23-Aug-20	wind	0.7 m/s	Ohunma (2020) - men's 100m race analysis at major competitions in 2020												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Takeda, Ippei (JPN) (1997)	time	1.87	2.95	3.91	4.83	5.73	6.63	7.52	8.42	9.33	10.25	10.25	9 / 3			
reaction time	0.149 interval		1.08	0.96	0.92	0.90	0.90	0.89	0.90	0.91	0.92	PB	# of strides	3.91	2.72	2.70
	velocity	5.35	9.26	10.42	10.87	11.11	11.11	11.24	11.11	10.99	10.87	9.76	51.8	7.67	11.03	11.11
Yanagita, Hiroki (JPN) (2003)	time	1.87	2.95	3.91	4.83	5.73	6.63	7.52	8.42	9.33	10.25	10.27	3 / 4			
reaction time	0.157 interval		1.08	0.96	0.92	0.90	0.90	0.89	0.90	0.91	0.92	PB	# of strides	3.91	2.72	2.70
	velocity	5.35	9.26	10.42	10.87	11.11	11.11	11.24	11.11	10.99	10.87	9.74	46.9	7.67	11.03	11.11
Inoue, Mizuki (JPN) (2003)	time	1.88	2.96	3.95	4.89	5.82	6.74	7.67	8.62	9.57	10.55	10.55	2 / 8			
reaction time	0.151 interval		1.08	0.99	0.94	0.93	0.92	0.93	0.95	0.95	0.98		# of strides	3.95	2.79	2.83



	velocity	5.32	9.26	10.10	10.64	10.75	10.87	10.75	10.53	10.53	10.20	9.48	51.9	7.59	10.75	10.60
<b>Goto, Tatsuki (JPN) (2002)</b>	time	1.95	3.06	4.07	5.04	5.99	6.94	7.90	8.87	9.86	10.87	10.87	1 / 9			
	reaction time	0.158	interval	1.11	1.01	0.97	0.95	0.96	0.97	0.99	1.01		# of strides	4.07	2.87	2.92
	velocity	5.13	9.01	9.90	10.31	10.53	10.53	10.42	10.31	10.10	9.90	9.20	50.9	7.37	10.45	10.27

**Heat 2**

date 23-Aug-20 wind 0.7 m/s Ohunma (2020) - men's 100m race analysis at major competitions in 2020

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Kawata, Kosuke (JPN) (2003)</b>	time	1.87	2.96	3.94	4.89	5.81	6.73	7.65	8.58	9.53	10.49	10.49	3 / 5				
	reaction time	0.128	interval	1.09	0.98	0.95	0.92	0.92	0.93	0.95	0.96		# of strides	3.94	2.79	2.80	
	velocity	5.35	9.17	10.20	10.53	10.87	10.87	10.87	10.75	10.53	10.42	9.53	53.2	7.61	10.75	10.71	
<b>Fujiwara, Hiroto (JPN) (2003)</b>	time	1.92	3.02	4.01	4.95	5.87	6.78	7.70	8.64	9.59	10.58	10.58	2 / 7				
	reaction time	0.151	interval	1.10	0.99	0.94	0.92	0.91	0.92	0.94	0.95	0.99	PB	# of strides	4.01	2.77	2.81
	velocity	5.21	9.09	10.10	10.64	10.87	10.99	10.87	10.64	10.53	10.10	9.45	51.2	7.48	10.83	10.68	

**Heat 1**

date 23-Aug-20 wind -0.3 m/s Ohunma (2020) - men's 100m race analysis at major competitions in 2020

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Yamagata, Ryota (JPN) (1992)</b>	time	1.87	2.94	3.91	4.84	5.76	6.67	7.59	8.52	9.46	10.42	10.42	6 / 3				
	reaction time	0.125	interval	1.07	0.97	0.93	0.92	0.91	0.92	0.93	0.96		# of strides	3.91	2.76	2.79	
	velocity	5.35	9.35	10.31	10.75	10.87	10.99	10.87	10.75	10.64	10.42	9.60	52.6	7.67	10.87	10.75	
<b>Izawa, Makoto (JPN) (2002)</b>	time	1.87	2.93	3.90	4.82	5.73	6.64	7.55	8.48	9.44	10.42	10.42	2 / 4				
	reaction time	0.107	interval	1.06	0.97	0.92	0.91	0.91	0.93	0.96	0.98		PB	# of strides	3.90	2.74	2.80
	velocity	5.35	9.43	10.31	10.87	10.99	10.99	10.99	10.75	10.42	10.20	9.60	50.0	7.69	10.95	10.71	

**2020 Millrose Games (New York, NY)****FINAL**date 08-Feb-20 PrimeTime Timing (2020.02.08) - <http://results.nyrrmillrosegames.org/>

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Baker, Ronnie (USA) (1993)</b>	time	2.02	3.02	3.91	4.80	5.66	6.54	6.54	3 / 1			
	reaction time	0.194	interval	1.00	0.89	0.89	0.86	0.88	# of strides	3.91	2.63	
	velocity	4.95	10.00	11.24	11.24	11.63	11.36	9.17	30.2	7.67	11.41	
<b>Kemp, Demek (USA) (1996)</b>	time	1.99	3.00	3.92	4.81	5.69	6.56	6.56	4 / 2			
	reaction time	0.162	interval	1.01	0.92	0.89	0.88	0.87	# of strides	3.92	2.64	
	velocity	5.03	9.90	10.87	11.24	11.36	11.49	9.15	30.5	7.65	11.36	
<b>Ratray, Ke Vaughn (JAM) (1996)</b>	time	2.03	3.04	3.96	4.86	5.76	6.62	6.62	7 / 3			
	reaction time	0.152	interval	1.01	0.92	0.90	0.90	0.86	# of strides	3.96	2.66	
	velocity	4.93	9.90	10.87	11.11	11.11	11.63	9.06	30.2	7.58	11.28	
<b>Bracy, Marvin (USA) (1993)</b>	time		3.11	4.04	4.94	5.84	6.67	6.67	6 / 4			
	reaction time	0.171	interval		0.93	0.90	0.83		# of strides	4.04	2.63	
	velocity		6.43	10.75	11.11	11.11	12.05	9.00	31.2	7.43	11.41	
<b>Gillespie, Cravon (USA) (1996)</b>	time		3.10	4.03	4.95	5.84	6.70	6.70	2 / 5			
	reaction time	0.212	interval		0.93	0.92	0.89	0.86	# of strides	4.03	2.67	
	velocity		6.45	10.75	10.87	11.24	11.63	8.96	29.7	7.44	11.24	
<b>Koike, Yuki (JPN) (1995)</b>	time		3.12	4.05	4.95	5.81	6.71	6.71	5 / 6			
	reaction time	0.164	interval		0.93	0.90	0.86	0.90	# of strides	4.05	2.66	
	velocity		6.41	10.75	11.11	11.63	11.11	8.94	33.5	7.41	11.28	
<b>Bascom, Jeremy (GUY) (1981)</b>	time		3.10	4.04	4.98	5.90	6.81	6.81	8 / 7			
	reaction time	0.160	interval		0.94	0.94	0.92	0.91	# of strides	4.04	2.77	
	velocity		6.45	10.64	10.64	10.87	10.99	8.81	31.7	7.43	10.83	
<b>Williams, Mustaqeem (USA) (1995)</b>	time		3.18	4.15	5.07	6.00	6.86	6.86	1 / 8			
	reaction time	0.207	interval		0.97	0.92	0.93	0.86	# of strides	4.15	2.71	
	velocity		6.29	10.31	10.87	10.75	11.63	8.75	31.5	7.23	11.07	

**2020 New Balance Indoor Grand Prix (Boston, MA)****FINAL**date 25-Jan-19 PrimeTime Timing (2020) - <https://results.nbindoorgrandprix.com/>

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Kemp, Demek (USA) (1996)</b>	time	2.05	3.04	3.95	4.85	5.74	6.50	6.50	3 / 1			
	reaction time		interval	0.99	0.91	0.90	0.89	0.76	PB	# of strides	3.95	2.55
	velocity	4.88	10.10	10.99	11.11	11.24	13.16	9.23	30.7	7.59	11.76	
<b>Walter, Keitavious (USA) (1996)</b>	time	2.11	3.13	4.06	4.96	5.85	6.61	6.61	1 / 2			
	reaction time		interval	1.02	0.93	0.90	0.89	0.76	# of strides	4.06	2.55	
	velocity	4.74	9.80	10.75	11.11	11.24	13.16	9.08	31.0	7.39	11.76	
<b>Xu Zhouzheng (CHN) (1995)</b>	time	2.13	3.16	4.09	5.00	5.89	6.68	6.68	8 / 3			
	reaction time		interval	1.03	0.93	0.91	0.89	0.79	# of strides	4.09	2.59	
	velocity	4.69	9.71	10.75	10.99	11.24	12.66	8.98	29.7	7.33	11.58	

<b>Koike, Yuki (JPN) (1995)</b>	time	2.14	3.17	4.11	5.02	5.92	6.69		6.69	5 / 4		
	reaction time	interval	1.03	0.94	0.91	0.90	0.77		<b>PB</b>	# of strides	4.11	2.58
	velocity	4.67	9.71	10.64	10.99	11.11	12.99		8.97	33.0	7.30	11.63
<b>Powell, Asafa (JAM) (1982)</b>	time	2.13	3.15	4.09	5.01	5.89	6.71		6.71	7 / 5		
	reaction time	interval	1.02	0.94	0.92	0.88	0.82		8.94	# of strides	4.09	2.62
	velocity	4.69	9.80	10.64	10.87	11.36	12.20		8.94	29.2	7.33	11.45
<b>Aikines-Aryeetey, Harry (GBR) (1991)</b>	time	2.15	3.21	4.16	5.08	5.98	6.73		6.73	2 / 6		
	reaction time	interval	1.06	0.95	0.92	0.90	0.75		8.92	# of strides	4.16	2.57
	velocity	4.65	9.43	10.53	10.87	11.11	13.33		8.92	31.5	7.21	11.67
<b>Bromell, Trayvon (USA) (1995)</b>	time	2.14	3.17	4.13	5.06	5.96	6.84		6.84	6 / 7		
	reaction time	interval	1.03	0.96	0.93	0.90	0.88		8.77	# of strides	4.13	2.71
	velocity	4.67	9.71	10.42	10.75	11.11	11.36		8.77	31.0	7.26	11.07

**2019 National Sports Festival (Hitachinaka, JPN)****FINAL**

date 05-Oct-19 wind -0.1 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
<b>Higashida, Akihiro (JPN) (1995)</b>	time			3.93		5.75					10.34	10.34	4 / 1			
	reaction time	0.154				1.82					4.59		# of strides	3.93		
	velocity			7.63		3.48					10.89	9.67	47.2	7.63		
<b>Matsuo, Ryuga (JPN) (1998)</b>	time			3.97		5.79					10.40	10.40	5 / 2			
	reaction time	0.144				1.82					4.61		# of strides	3.97		
	velocity			7.56		3.45					10.85	9.62	47.7	7.56		
<b>Someya, Yoshihiro (JPN) (1998)</b>	time			4.00		5.84					10.49	10.49	3 / 3			
	reaction time	0.170				1.84					4.65		# of strides	4.00		
	velocity			7.50		3.42					10.75	9.53	46.0	7.50		
<b>Nagata, Shunto (JPN) (1996)</b>	time			3.96		5.81					10.52	10.52	2 / 4			
	reaction time	0.138				1.85					4.71		# of strides	3.96		
	velocity			7.58		3.44					10.62	9.51	50.5	7.58		
<b>Iwasaki, Kotaro (JPN) (1996)</b>	time			3.91		5.75					10.53	10.53	9 / 5			
	reaction time	0.147				1.84					4.78		# of strides	3.91		
	velocity			7.67		3.48					10.46	9.50	49.2	7.67		
<b>Minamiyama, Yoshiki (JPN) (1998)</b>	time			3.97		5.84					10.54	10.54	8 / 6			
	reaction time	0.132				1.87					4.70		# of strides	3.97		
	velocity			7.56		3.42					10.64	9.49	50.0	7.56		
<b>Sosui, Mizukubo (JPN) (1999)</b>	time			4.03		5.91					10.55	10.55	6 / 7			
	reaction time	0.149				1.88					4.64		# of strides	4.03		
	velocity			7.44		3.38					10.78	9.48	47.2	7.44		
<b>Kawakami, Takuya (JPN) (1995)</b>	time			3.97		5.81					10.70	10.70	7 / 8			
	reaction time	0.140				1.84					4.89		# of strides	3.97		
	velocity			7.56		3.44					10.22	9.35	49.0	7.56		

**U20 FINAL**

date 04-Oct-19 wind -2.3 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
<b>Ikeda, Seiryō (JPN) (2002)</b>	time			4.04		5.95					10.73	10.73	4 / 1			
	reaction time	0.145				1.91					4.78		# of strides	4.04		
	velocity			7.43		3.36					10.46	9.32	7.43			
<b>Nakamura, Shota (JPN) (2001)</b>	time			4.04		5.96					10.78	10.78	2 / 2			
	reaction time	0.153				1.92					4.82		# of strides	4.04		
	velocity			7.43		3.36					10.37	9.28	7.43			
<b>Inoue, Mizuki (JPN) (2003)</b>	time			4.04		5.96					10.78	10.78	6 / 3			
	reaction time	0.164				1.92					4.82		# of strides	4.04		
	velocity			7.43		3.36					10.37	9.28	7.43			
<b>Fujiwara, Hiroto (JPN) (2003)</b>	time			4.09		6.00					10.85	10.85	5 / 4			
	reaction time	0.151				1.91					4.85		# of strides	4.09		
	velocity			7.33		3.33					10.31	9.22	7.33			
<b>Akiyama, Yuki (JPN) (2001)</b>	time			4.06		6.00					10.88	10.88	9 / 5			
	reaction time	0.154				1.94					4.88		# of strides	4.06		
	velocity			7.39		3.33					10.25	9.19	7.39			
<b>Miyauchi, Kazuya (JPN) (2001)</b>	time			4.06		5.98					10.90	10.90	7 / 6			
	reaction time	0.156				1.92					4.92		# of strides	4.06		
	velocity			7.39		3.34					10.16	9.17	7.39			

<b>Hayashi, Kanata (JPN) (2001)</b>	time		4.06		6.00						10.92	10.92	8 / 7			
	reaction time	0.155	interval		1.94						4.92		# of strides	4.06		
			velocity		7.39		3.33				10.16	9.16		7.39		
<b>Iwamoto, Kosuke (JPN) (2002)</b>	time		4.12		6.10						11.01	11.01	3 / 8			
	reaction time	0.154	interval		1.98						4.91		# of strides	4.12		
			velocity		7.28		3.28				10.18	9.08		7.28		

### U18 FINAL

		date	04-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			
<b>Tsubasa, Suzuki (JPN) (2003)</b>	time				4.11		6.05					10.95	10.95	5 / 1						
	reaction time	0.138	interval		1.94							4.90		# of strides	4.11					
			velocity		7.30		3.31					10.20	9.13		7.30					
<b>Ogi, Machii (JPN) (2003)</b>	time				4.06		6.01					10.96	10.96	7 / 2						
	reaction time	0.143	interval		1.95							4.95		# of strides	4.06					
			velocity		7.39		3.33					10.10	9.12		7.39					
<b>Terasawa, Daichi (JPN) (2003)</b>	time				4.14		6.06					11.07	11.07	4 / 3						
	reaction time	0.176	interval		1.92							5.01		# of strides	4.14					
			velocity		7.25		3.30					9.98	9.03		7.25					
<b>Sugimoto, Yuya (JPN) (2003)</b>	time				4.11		6.06					11.11	11.11	2 / 4						
	reaction time	0.175	interval		1.95							5.05		# of strides	4.11					
			velocity		7.30		3.30					9.90	9.00		7.30					
<b>Hoshida, Daichi (JPN) (2003)</b>	time				4.14		6.13					11.13	11.13	3 / 5						
	reaction time	0.182	interval		1.99							5.00		# of strides	4.14					
			velocity		7.25		3.26					10.00	8.98		7.25					
<b>Tateno, Shunki (JPN) (2003)</b>	time				4.21		6.21					11.18	11.18	6 / 6						
	reaction time	0.182	interval		2.00							4.97		# of strides	4.21					
			velocity		7.13		3.22					10.06	8.94		7.13					
<b>山本 永遠 (JPN) (2003)</b>	time				4.15		6.16					11.21	11.21	9 / 7						
	reaction time	0.150	interval		2.01							5.05		# of strides	4.15					
			velocity		7.23		3.25					9.90	8.92		7.23					
<b>Nakayama, Tomoki (JPN) (2004)</b>	time				4.18		6.20					11.30	11.30	8 / 8						
	reaction time	0.167	interval		2.02							5.10		# of strides	4.18					
			velocity		7.18		3.23					9.80	8.85		7.18					

### 2019 IAAF World Championships (Doha, QAT)

		date	28-Sep-19		wind	0.6 m/s												Hayato (2019) - race analysis of men's 100m at major comeptions in 2019		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
<b>Coleman, Christian (USA) (1996)</b>	time		1.83	2.85	3.77	4.64	5.48	6.32	7.16	8.01	8.88	9.76	9.76	4 / 1						
	reaction time	0.128	interval		1.02	0.92	0.87	0.84	0.84	0.85	0.87	0.88	<b>PB</b>	# of strides	3.77	2.55	2.56			
			velocity		5.46	9.80	10.87	11.49	11.90	11.90	11.76	11.49	11.36		47.0	7.96	11.76			
<b>Gatlin, Justin (USA) (1982)</b>	time		1.84	2.88	3.81	4.70	5.56	6.42	7.27	8.13	9.00	9.89	9.89	3 / 2						
	reaction time	0.148	interval		1.04	0.93	0.89	0.86	0.86	0.85	0.86	0.87	0.89	# of strides	3.81	2.61	2.58			
			velocity		5.43	9.62	10.75	11.24	11.63	11.63	11.76	11.63	11.49		44.0	7.87	11.49			
<b>de Grasse, Andre (CAN) (1994)</b>	time		1.88	2.94	3.88	4.77	5.63	6.48	7.32	8.17	9.03	9.99	9.90	6 / 3						
	reaction time	0.140	interval		1.06	0.94	0.89	0.86	0.85	0.84	0.85	0.86	0.96	<b>PB</b>	# of strides	3.88	2.60	2.55		
			velocity		5.32	9.43	10.64	11.24	11.63	11.76	11.90	11.76	11.63		46.7	7.73	11.54			
<b>Simbine, Akani (RSA) (1993)</b>	time		1.87	2.92	3.85	4.74	5.60	6.46	7.31	8.17	9.04	9.93	9.93	5 / 4						
	reaction time	0.117	interval		1.05	0.93	0.89	0.86	0.86	0.85	0.86	0.87	0.89	# of strides	3.85	2.61	2.58			
			velocity		5.35	9.52	10.75	11.24	11.63	11.63	11.76	11.63	11.49		48.0	7.79	11.49			
<b>Blake, Yohan (JAM) (1989)</b>	0.142		no information available										9.97	8 / 5	# of strides	45.2				
<b>Hughes, Zharnel (GBR) (1995)</b>	time		1.91	2.97	3.91	4.80	5.66	6.52	7.37	8.23	9.11	10.03	10.03	7 / 6						
	reaction time	0.119	interval		1.06	0.94	0.89	0.86	0.86	0.85	0.86	0.88	0.92	# of strides	3.91	2.61	2.59			
			velocity		5.24	9.43	10.64	11.24	11.63	11.63	11.76	11.63	11.36		45.0	7.67	11.49			
<b>Tortu, Filippo (ITA) (1998)</b>	0.158		no information available										10.07	2 / 7	# of strides	44.0				
<b>Brown, Aaron (CAN) (1992)</b>	0.155		no information available										10.08	9 / 8	# of strides	47.2				

### Semi-Final 2

		date	28-Sep-19		wind	-0.1 m/s												Hayato (2019) - race analysis of men's 100m at major comeptions in 2019		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
<b>Xie Zhenye (CHN) (1993)</b>	time		1.93	2.98	3.91	4.81	5.68	6.55	7.43	8.31	9.21	10.14	10.14	9 / 4						
	reaction time	0.188	interval		1.05	0.93	0.90	0.87	0.87	0.88	0.88	0.90	0.93	# of strides	3.91	2.64	2.66			
			velocity		5.18	9.52	10.75	11.11	11.49	11.49	11.36	11.36	11.11		47.5	7.67	11.36			

## Heat 4

		date	27-Sep-19	wind	-0.3 m/s											<i>Hayato (2019) - race analysis of men's 100m at major comeptions in 2019</i>				
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Su Bingtian (CHN) (1989)</b>	time			1.86	2.92	3.88	4.79	5.68	6.57	7.46	8.36	9.28	10.21	10.21	8 / 5					
	reaction time	0.129	interval		1.06	0.96	0.91	0.89	0.89	0.89	0.90	0.92	0.93		# of strides	3.88	2.69	2.71		
	velocity			5.38	9.43	10.42	10.99	11.24	11.24	11.24	11.11	10.87	10.75	9.79	48.0	7.73	11.15	11.07		

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

## FINAL

		date	09-Sep-19	wind	-1.1 m/s											<i>European Athletics (2019) - race analysis</i>				
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Rodgers, Michael (USA) (1985)</b>	time							5.85					10.20	10.20	3 / 1					
	reaction time	0.152	interval										4.35		# of strides					
	velocity							8.55					11.49	9.80	46.0					
<b>Belcher, Christopher (USA) (1994)</b>	time							5.89					10.25	10.25	9 / 2					
	reaction time	0.158	interval										4.36		# of strides					
	velocity							8.49					11.47	9.76	48.7					
<b>Kemp, Demek (USA) (1996)</b>	time							5.83					10.28	10.28	7 / 3					
	reaction time	0.206	interval										4.45		# of strides					
	velocity							8.58					11.24	9.73	47.0					
<b>Tortu, Filippo (ITA) (1998)</b>	time							5.89					10.29	10.29	4 / 4					
	reaction time	0.180	interval										4.40		# of strides					
	velocity							8.49					11.36	9.72	45.0					
<b>Edoburun, Ojie (GBR) (1996)</b>	time							5.88					10.31	10.31	6 / 5					
	reaction time	0.148	interval										4.43		# of strides					
	velocity							8.50					11.29	9.70	44.0					
<b>Garia, Christopher (NED) (1992)</b>	time							5.89					10.46	10.46	2 / 6					
	reaction time	0.158	interval										4.57		# of strides					
	velocity							8.49					10.94	9.56	46.5					
<b>Domogala, Patrick (GER) (1993)</b>	time							6.03					10.57	10.57	8 / 7					
	reaction time	0.157	interval										4.54		# of strides					
	velocity							8.29					11.01	9.46	45.0					

## 2019 Japanese World Championships Trials (Fujiyoshida, JPN)

## A FINAL

		date	01-Sep-19	wind	1.0 m/s											<i>Hayato (2019) - race analysis of men's 100m at major comeptions in 2019</i>				
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Kawakami, Takuya (JPN) (1995)</b>	time			1.83	2.88	3.83	4.74	5.63	6.53	7.42	8.34	9.27	10.22	10.22	3 / 4					
	reaction time		interval		1.05	0.95	0.91	0.89	0.90	0.89	0.92	0.93	0.95	<b>PB</b>	# of strides	3.83	2.70	2.74		
	velocity			5.46	9.52	10.53	10.99	11.24	11.11	11.24	10.87	10.75	10.53	9.78	51.2	7.83	11.11	10.95		

## B FINAL

		date	01-Sep-19	wind	0.9 m/s											<i>Hayato (2019) - race analysis of men's 100m at major comeptions in 2019</i>				
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Miyagi, Tatsuro (JPN) (1997)</b>	time			1.92	3.00	3.97	4.89	5.79	6.67	7.56	8.44	9.34	10.25	10.25	6 / 1					
	reaction time		interval		1.08	0.97	0.92	0.90	0.88	0.89	0.88	0.90	0.91		# of strides	3.97	2.70	2.67		
	velocity			5.21	9.26	10.31	10.87	11.11	11.36	11.24	11.36	11.11	10.99	9.76	49.0	7.56	11.11	11.24		

## 2019 Weltklasse (Zürich, SUI)

## FINAL

		date	29-Aug-19	wind	-0.4 m/s											<i>Omega Timing (2019) - diamond league race analysis</i>				
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Lyles, Noah (USA) (1997)</b>	time				3.1		4.9		6.6		8.3		9.98	9.98	4 / 1					
	reaction time	0.154	interval				1.8		1.7		1.7		1.68		# of strides					
	velocity				6.45		11.11		11.76		11.76		11.90	10.02	46.5					
<b>Xie Zhenye (CHN) (1993)</b>	time				3.0		4.8		6.6		8.3		10.04	10.04	9 / 2					
	reaction time	0.143	interval				1.8		1.8		1.7		1.74		# of strides					
	velocity				6.67		11.11		11.11		11.76		11.49	9.96	47.0					
<b>Blake, Yohan (JAM) (1989)</b>	time				3.0		4.9		6.6		8.4		10.07	10.07	2 / 3					
	reaction time	0.170	interval				1.9		1.7		1.8		1.67		# of strides					
	velocity				6.67		10.53		11.76		11.11		11.98	9.93	46.0					
<b>Gatlin, Justin (USA) (1982)</b>	time				3.0		4.9		6.6		8.3		10.08	10.08	3 / 4					
	reaction time	0.153	interval				1.9		1.7		1.7		1.78		# of strides					
	velocity				6.67		10.53		11.76		11.76		11.24	9.92	44.0					
<b>Simbine, Akani (RSA) (1993)</b>	time				3.0		4.9		6.6		8.4		10.10	10.10	5 / 5					
	reaction time	0.142	interval				1.9		1.7		1.8		1.70		# of strides					
	velocity				6.67		10.53		11.76		11.11		11.76	9.90	48.0					
<b>Hughes, Zharnel (GBR) (1995)</b>	time				3.1		5.0		6.7		8.4		10.15	10.15	6 / 6					
	reaction time	0.113	interval				1.9		1.7		1.7		1.75		# of strides					

	velocity		6.45	10.53	11.76	11.76	11.43	9.85	46.0
<b>Gemili, Adam (GBR) (1993)</b>	time		3.1	4.9	6.7	8.4	10.15	10.15	1 / 7
reaction time	0.130	interval		1.8	1.8	1.7	1.75		# of strides
	velocity		6.45	11.11	11.11	11.76	11.43	9.85	47.0
<b>Rodgers, Michael (USA) (1985)</b>	time		3.0	4.9	6.6	8.4	10.16	10.16	8 / 8
reaction time	0.146	interval		1.9	1.7	1.8	1.76		# of strides
	velocity		6.67	10.53	11.76	11.11	11.36	9.84	45.2
<b>Wilson, Alex (SUI) (1990)</b>	time		3.1	5.0	6.8	8.6	10.40	10.40	7 / 9
reaction time	0.121	interval		1.9	1.8	1.8	1.80		# of strides
	velocity		6.45	10.53	11.11	11.11	11.11	9.62	46.2

**2019 Müller Grand Prix (Birmingham, GBR)****FINAL**

		date	18-Aug-19	wind	2.0 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
<b>Blake, Yohan (JAM) (1989)</b>	time				3.0	4.9	6.6	8.3	10.07	10.07				10.07	4 / 1				
reaction time	0.144	interval				1.9	1.7	1.7	1.77						# of strides				
	velocity				6.67	10.53	11.76	11.76						9.93	46.0				
<b>Gemili, Adam (GBR) (1993)</b>	time				3.0	4.9	6.6	8.4	10.07	10.07				10.07	6 / 2				
reaction time	0.136	interval				1.9	1.7	1.8	1.67						# of strides				
	velocity				6.67	10.53	11.76	11.11	11.98					9.93	47.5				
<b>Rodgers, Michael (USA) (1985)</b>	time				3.0	4.9	6.6	8.4	10.09	10.09				10.09	7 / 3				
reaction time	0.147	interval				1.9	1.7	1.8	1.69						# of strides				
	velocity				6.67	10.53	11.76	11.11	11.83					9.91	44.7				
<b>Belcher, Christopher (USA) (1994)</b>	time				3.0	4.9	6.7	8.4	10.13	10.13				10.13	5 / 4				
reaction time	0.153	interval				1.9	1.8	1.7	1.73						# of strides				
	velocity				6.67	10.53	11.11	11.76	11.56					9.87	49.0				
<b>de Grasse, Andre (CAN) (1994)</b>	time				3.1	4.9	6.7	8.4	10.13	10.13				10.13	8 / 5				
reaction time	0.133	interval				1.8	1.8	1.7	1.73						# of strides				
	velocity				6.45	11.11	11.11	11.76	11.56					9.87	46.5				
<b>Tracey, Tyquendo (JAM) (1993)</b>	time				3.0	4.9	6.6	8.4	10.14	10.14				10.14	3 / 6				
reaction time	0.133	interval				1.9	1.7	1.8	1.74						# of strides				
	velocity				6.67	10.53	11.76	11.11	11.49					9.86	46.5				
<b>Simbine, Akani (RSA) (1993)</b>	time				3.1	4.9	6.7	8.4	10.15	10.15				10.15	2 / 7				
reaction time	0.122	interval				1.8	1.8	1.7	1.75						# of strides				
	velocity				6.45	11.11	11.11	11.76	11.43					9.85	48.0				
<b>Xie Zhenye (CHN) (1993)</b>	time				3.1	4.9	6.6	8.4	10.17	10.17				10.17	9 / 8				
reaction time	0.153	interval				1.8	1.7	1.8	1.77						# of strides				
	velocity				6.45	11.11	11.76	11.11	11.30					9.83	47.5				

**Heat 2**

		date	18-Aug-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
<b>Rodgers, Michael (USA) (1985)</b>	time				3.1	4.9	6.6	8.4	10.16	10.16				10.16	7 / 1				
reaction time	0.164	interval				1.8	1.7	1.8	1.76						# of strides				
	velocity				6.45	11.11	11.76	11.11						9.84					
<b>Blake, Yohan (JAM) (1989)</b>	time				3.0	4.9	6.6	8.4	10.18	10.18				10.18	6 / 2				
reaction time	0.144	interval				1.9	1.7	1.8	1.78						# of strides				
	velocity				6.67	10.53	11.76	11.11	11.24					9.82					
<b>Xie Zhenye (CHN) (1993)</b>	time				3.0	4.9	6.6	8.4	10.19	10.19				10.19	5 / 3				
reaction time	0.160	interval				1.9	1.7	1.8	1.79						# of strides				
	velocity				6.67	10.53	11.76	11.11	11.17					9.81					
<b>Cissé, Arthur (CIV) (1996)</b>	time				3.0	4.9	6.6	8.4	10.29	10.29				10.29	4 / 4				
reaction time	0.165	interval				1.9	1.7	1.8	1.89						# of strides				
	velocity				6.67	10.53	11.76	11.11	10.58					9.72					
<b>Su Bingtian (CHN) (1989)</b>	time				3.1	4.9	6.7	8.5	10.36	10.36				10.36	8 / 5				
reaction time	0.143	interval				1.8	1.8	1.8	1.86						# of strides				
	velocity				6.45	11.11	11.11	11.11	10.75					9.65					
<b>Glave, Romell (JAM) (1999)</b>	time				3.2	5.0	6.8	8.6	10.42	10.42				10.42	3 / 6				
reaction time	0.109	interval				1.8	1.8	1.8	1.82						# of strides				
	velocity				6.25	11.11	11.11	11.11	10.99					9.60					
<b>Bromby, Oliver (GBR) (1998)</b>	time				3.1	5.0	6.8	8.6	10.44	10.44				10.44	2 / 7				

reaction time	0.158	interval		1.9	1.8	1.8	1.84		# of strides
		velocity	6.45	10.53	11.11	11.11	10.87	9.58	
<b>Kemp, Demek (USA) (1996)</b>	time		3.0	4.9	6.7	8.5	10.44	10.44	9 / 8
reaction time	0.151	interval		1.9	1.8	1.8	1.94		# of strides
		velocity	6.67	10.53	11.11	11.11	10.31	9.58	

## Heat 1

		date	18-Aug-19	wind	0.7 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
<b>Gemili, Adam (GBR) (1993)</b>	time				3.0		4.9		6.6		8.3		10.08	10.08	7 / 1			
reaction time	0.138	interval					1.9		1.7		1.7		1.78		# of strides			
		velocity			6.67		10.53		11.76		11.76		11.24	9.92				
<b>Belcher, Christopher (USA) (1994)</b>	time				3.0		4.8		6.6		8.4		10.09	10.09	8 / 2			
reaction time	0.136	interval					1.8		1.8		1.8		1.69		# of strides			
		velocity			6.67		11.11		11.11		11.11		11.83	9.91				
<b>de Grasse, Andre (CAN) (1994)</b>	time				3.1		4.9		6.7		8.4		10.14	10.14	4 / 3			
reaction time	0.136	interval					1.8		1.8		1.7		1.74		# of strides			
		velocity			6.45		11.11		11.11		11.76		11.49	9.86				
<b>Simbine, Akani (RSA) (1993)</b>	time				3.0		4.9		6.6		8.4		10.15	10.15	5 / 4			
reaction time	0.139	interval					1.9		1.7		1.8		1.75		# of strides			
		velocity			6.67		10.53		11.76		11.11		11.43	9.85				
<b>Tracey, Tyquendo (JAM) (1993)</b>	time				3.0		4.9		6.7		8.4		10.19	10.19	3 / 5			
reaction time	0.142	interval					1.9		1.8		1.7		1.79		# of strides			
		velocity			6.67		10.53		11.11		11.76		11.17	9.81				
<b>Koike, Yuki (JPN) (1995)</b>	time				3.0		4.9		6.7		8.5		10.31	10.31	6 / 6			
reaction time	0.144	interval					1.9		1.8		1.8		1.81		# of strides			
		velocity			6.67		10.53		11.11		11.11		11.05	9.70				
<b>Burrell, Cameron (USA) (1994)</b>	time				3.1		4.9		6.7		8.5		10.36	10.36	2 / 7			
reaction time	0.117	interval					1.8		1.8		1.8		1.86		# of strides			
		velocity			6.45		11.11		11.11		11.11		10.75	9.65				
<b>Aikines-Aryeetey, Harry (GBR) (1994)</b>	time				3.1		5.0		6.8		8.6		10.37	10.37	9 / 8			
reaction time	0.135	interval					1.9		1.8		1.8		1.77		# of strides			
		velocity			6.45		10.53		11.11		11.11		11.30	9.64				

## 2019 Japanese National High School Championships (Okinawa, JPN)

## FINAL

		date	05-Aug-19	wind	2.9 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	
<b>Uzawa, Towa (JPN) (2002)</b>	time			1.92	2.98	3.93	4.83	5.71	6.59	7.47	8.36	9.26	10.19	10.19	5 / 1				
reaction time		interval			1.06	0.95	0.90	0.88	0.88	0.88	0.89	0.90	0.93		# of strides	3.93	2.66	2.67	
		velocity			5.21	9.43	10.53	11.11	11.36	11.36	11.36	11.24	11.11	10.75	9.81	47.2	7.63	11.28	11.24
<b>Hayashi, Kanata (JPN) (2001)</b>	time			1.89	2.95	3.91	4.82	5.72	6.61	7.50	8.41	9.33	10.29	10.29	4 / 2				
reaction time		interval			1.06	0.96	0.91	0.90	0.89	0.89	0.91	0.92	0.96		# of strides	3.91	2.70	2.72	
		velocity			5.29	9.43	10.42	10.99	11.11	11.24	11.24	10.99	10.87	10.42	9.72	47.0	7.67	11.11	11.03
<b>Iwamoto, Kosuke (JPN) (2002)</b>	time			1.94	3.02	3.98	4.90	5.80	6.70	7.60	8.51	9.45	10.43	10.43	8 / 3				
reaction time		interval			1.08	0.96	0.92	0.90	0.90	0.90	0.91	0.94	0.98		# of strides	3.98	2.72	2.75	
		velocity			5.15	9.26	10.42	10.87	11.11	11.11	11.11	10.99	10.64	10.20	9.59	48.0	7.54	11.03	10.91
<b>Tsukagichi, Teppei (JPN) (2001)</b>	time			1.92	3.01	3.99	4.92	5.83	6.72	7.63	8.54	9.47	10.43	10.43	/ 4				
reaction time		interval			1.09	0.98	0.93	0.91	0.89	0.91	0.91	0.93	0.96		# of strides	3.99	2.73	2.75	
		velocity			5.21	9.17	10.20	10.75	10.99	11.24	10.99	10.99	10.75	10.42	9.59	7.52	10.99	10.91	
<b>Nakamura, Shota (JPN) (2001)</b>	time			1.93	3.01	3.99	4.92	5.83	6.73	7.63	8.55	9.49	10.47	10.47	/ 5				
reaction time		interval			1.08	0.98	0.93	0.91	0.90	0.90	0.92	0.94	0.98		# of strides	3.99	2.74	2.76	
		velocity			5.18	9.26	10.20	10.75	10.99	11.11	11.11	10.87	10.64	10.20	9.55	7.52	10.95	10.87	
<b>Shitara, Oga (JPN) (2001)</b>	time			1.93	3.03	4.01	4.95	5.87	6.78	7.69	8.62	9.55	10.52	10.52	/ 6				
reaction time		interval			1.10	0.98	0.94	0.92	0.91	0.91	0.93	0.93	0.97		# of strides	4.01	2.77	2.77	
		velocity			5.18	9.09	10.20	10.64	10.87	10.99	10.99	10.75	10.75	10.31	9.51	7.48	10.83	10.83	
<b>Miyauchi, Kazuya (JPN) (2001)</b>	time			1.94	3.02	3.99	4.92	5.83	6.74	7.66	8.59	9.54	10.52	10.52	/ 7				
reaction time		interval			1.08	0.97	0.93	0.91	0.91	0.92	0.93	0.95	0.98		# of strides	3.99	2.75	2.80	
		velocity			5.15	9.26	10.31	10.75	10.99	10.99	10.87	10.75	10.53	10.20	9.51	7.52	10.91	10.71	
<b>Fujiwara, Hiroto (JPN) (2003)</b>	time			1.95	3.03	4.01	4.94	5.85	6.76	7.67	8.60	9.55	10.54	10.54	/ 8				
reaction time		interval			1.08	0.98	0.93	0.91	0.91	0.91	0.93	0.95	0.99		# of strides	4.01	2.75	2.79	
		velocity			5.13	9.26	10.20	10.75	10.99	10.99	10.99	10.75	10.53	10.10	9.49	7.48	10.91	10.75	

## 2019 Chinese World Championships Trials (Shenyang, CHN)

## FINAL

date 02-Aug-19 wind 0.1 m/s

Jiang (2019) - data analysis of men'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
Xie Zhenye (CHN) (1993)	time	1.92	2.94	3.90	4.78	5.66	6.52	7.38	8.25	9.13	10.03	10.03	5 / 1			
	reaction time		1.02	0.96	0.88	0.88	0.86	0.86	0.87	0.88	0.90		# of strides	3.90	2.62	2.61
	velocity	5.21	9.80	10.42	11.36	11.36	11.63	11.63	11.49	11.36	11.11	9.97	46.7	7.69	11.45	11.49
Su Bingtian (CHN) (1989)	time	1.86	2.89	3.85	4.76	5.65	6.53	7.42	8.33	9.24	10.19	10.19	4 / 2			
	reaction time		1.03	0.96	0.91	0.89	0.88	0.89	0.91	0.91	0.95		# of strides	3.85	2.68	2.71
	velocity	5.38	9.71	10.42	10.99	11.24	11.36	11.24	10.99	10.99	10.53	9.81	48.0	7.79	11.19	11.07
Xu Zhouzheng (CHN) (1995)	time	1.94	2.95	3.90	4.81	5.70	6.57	7.46	8.36	9.26	10.20	10.20	3 / 3			
	reaction time		1.01	0.95	0.91	0.89	0.87	0.89	0.90	0.90	0.94		# of strides	3.90	2.67	2.69
	velocity	5.15	9.90	10.53	10.99	11.24	11.49	11.24	11.11	11.11	10.64	9.80	46.0	7.69	11.24	11.15
Liang Jinsheng (CHN) (1996)	time	1.92	2.98	3.92	4.84	5.73	6.63	7.52	8.40	9.29	10.21	10.21	6 / 4			
	reaction time		1.06	0.94	0.92	0.89	0.90	0.89	0.88	0.89	0.92		# of strides	3.92	2.71	2.66
	velocity	5.21	9.43	10.64	10.87	11.24	11.11	11.24	11.36	11.24	10.87	9.79	43.2	7.65	11.07	11.28
Wu Zhiqiang (CHN) (1994)	time	1.93	2.99	3.94	4.86	5.74	6.62	7.52	8.42	9.33	10.27	10.27	7 / 5			
	reaction time		1.06	0.95	0.92	0.88	0.88	0.90	0.90	0.91	0.94		# of strides	3.94	2.68	2.71
	velocity	5.18	9.43	10.53	10.87	11.36	11.36	11.11	11.11	10.99	10.64	9.74	48.0	7.61	11.19	11.07
Xuan Dajun (CHN) (1998)	time	1.89	2.96	3.92	4.84	5.74	6.64	7.54	8.45	9.36	10.29	10.29	8 / 6			
	reaction time		1.07	0.96	0.92	0.90	0.90	0.90	0.91	0.91	0.93	PB	# of strides	3.92	2.72	2.72
	velocity	5.29	9.35	10.42	10.87	11.11	11.11	11.11	10.99	10.99	10.75	9.72	48.5	7.65	11.03	11.03
Quan Yingrui (CHN) (1997)	time	1.95	3.01	3.97	4.89	5.79	6.68	7.59	8.50	9.43	10.39	10.39	2 / 7			
	reaction time		1.06	0.96	0.92	0.90	0.89	0.91	0.91	0.93	0.96	PB	# of strides	3.97	2.71	2.75
	velocity	5.13	9.43	10.42	10.87	11.11	11.24	10.99	10.99	10.75	10.42	9.62	45.2	7.56	11.07	10.91
Mi Hong (CHN) (1993)	time	1.93	2.98	3.95	4.88	5.81	6.72	7.65	8.58	9.52	10.51	10.51	1 / 8			
	reaction time		1.05	0.97	0.93	0.93	0.91	0.93	0.93	0.94	0.99		# of strides	3.95	2.77	2.80
	velocity	5.18	9.52	10.31	10.75	10.75	10.99	10.75	10.75	10.64	10.10	9.51	47.2	7.59	10.83	10.71

## 2019 Müller Anniversary Games (London, GBR)

## FINAL

date 20-Jul-19 wind 0.5 m/s

Hayato (2019) - race analysis of men's 100m at major comeptions in 2019

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Koike, Yuki (JPN) (1995)	time	1.88	2.91	3.85	4.74	5.61	6.47	7.34	8.21	9.09	9.98	9.98	2 / 4			
	reaction time	0.137	1.03	0.94	0.89	0.87	0.86	0.87	0.87	0.88	0.89	PB	# of strides	3.85	2.62	2.62
	velocity	5.32	9.71	10.64	11.24	11.49	11.63	11.49	11.49	11.36	11.24	10.02	51.0	7.79	11.45	11.45

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

## FINAL

date 12-Jul-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
Gatlin, Justin (USA) (1982)	time					5.8					9.91	9.91	3 / 1			
	reaction time	0.195									4.11		# of strides			
	velocity					8.62					12.17	10.09	44.0			
Lyles, Noah (USA) (1997)	time					5.7					9.92	9.92	5 / 2			
	reaction time	0.149									4.22		# of strides			
	velocity					8.77					11.85	10.08	46.0			
Rodgers, Michael (USA) (1985)	time					5.7					10.01	10.01	7 / 3			
	reaction time	0.133									4.31		# of strides			
	velocity					8.77					11.60	9.99	45.0			
Simbine, Akani (RSA) (1993)	time					5.7					10.04	10.04	2 / 4			
	reaction time	0.140									4.34		# of strides			
	velocity					8.77					11.52	9.96	48.2			
Gillespie, Cravon (USA) (1996)	time					5.8					10.14	10.14	6 / 5			
	reaction time	0.141									4.34		# of strides			
	velocity					8.62					11.52	9.86	47.0			
Vicaut, Jimmy (FRA) (1992)	time					5.8					10.17	10.17	8 / 6			
	reaction time	0.160									4.37		# of strides			
	velocity					8.62					11.44	9.83	46.2			
Cissé, Arthur (CIV) (1996)	time					6.0					10.25	10.25	1 / 7			
	reaction time	0.184									4.25		# of strides			
	velocity					8.33					11.76	9.76	48.5			
Oduduru, Divine (NGR) (1996)	time					5.7					10.26	10.26	4 / 8			
	reaction time	0.148									4.56		# of strides			
	velocity					8.77					10.96	9.75	44.0			

## 2019 Athletissima (Lausanne, SUI)

## FINAL

		date	05-Jul-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				
Gatlin, Justin (USA) (1982)	time						5.7					9.92	9.92	6 / 1							
	reaction time	0.153										4.22		# of strides							
	velocity						8.77					11.85	10.08	44.2							
Rodgers, Michael (USA) (1985)	time						5.7					10.01	10.01	5 / 2							
	reaction time	0.147										4.31		# of strides							
	velocity						8.77					11.60	9.99	45.0							
Brown, Aaron (CAN) (1992)	time						5.8					10.07	10.07	8 / 3							
	reaction time	0.142										4.27		# of strides							
	velocity						8.62					11.71	9.93	46.5							
Cissé, Arthur (CIV) (1996)	time						5.7					10.08	10.08	4 / 4							
	reaction time	0.154										4.38		# of strides							
	velocity						8.77					11.42	9.92	48.7							
Burrell, Cameron (USA) (1994)	time						5.8					10.18	10.18	2 / 5							
	reaction time	0.126										4.38		# of strides							
	velocity						8.62					11.42	9.82	48.2							
Quinn, Devin (USA) (1996)	time						5.8					10.19	10.19	3 / 6							
	reaction time	0.151										4.39		# of strides							
	velocity						8.62					11.39	9.81	45.0							
Williams, Kendal (USA) (1995)	time						5.8					10.20	10.20	7 / 7							
	reaction time	0.138										4.40		# of strides							
	velocity						8.62					11.36	9.80	47.2							
Allen, Devon (USA) (1994)	time						5.9					10.33	10.33	1 / 8							
	reaction time	0.129										4.43		# of strides							
	velocity						8.47					11.29	9.68	45.7							

## 2019 Japanese National Championships (Fukuoka, JPN)

## FINAL

		date	28-Jun-19		wind		-0.3 m/s												Hayato (2019) - race analysis of men's 100m at major comeptions in 2019		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
Sani Brown, Abdul Hakim (JPN) (1991)	time		1.90	2.93	3.86	4.75	5.62	6.48	7.35	8.22	9.11	10.02	10.02	4 / 1							
	reaction time	0.153		1.03	0.93	0.89	0.87	0.86	0.87	0.87	0.89	0.91		# of strides	3.86	2.62	2.63				
	velocity		5.26	9.71	10.75	11.24	11.49	11.63	11.49	11.49	11.24	10.99	9.98	44.0	7.77	11.45	11.41				
Iizuka, Shota (JPN) (1991)	time		1.91	2.97	3.93	4.84	5.73	6.61	7.50	8.39	9.31	10.24	10.24	9 / 4							
	reaction time	0.154		1.06	0.96	0.91	0.89	0.88	0.89	0.89	0.92	0.93		# of strides	3.93	2.68	2.70				
	velocity		5.24	9.43	10.42	10.99	11.24	11.36	11.24	11.24	10.87	10.75	9.77	48.7	7.63	11.19	11.11				

## Semi-Final 2

		date	27-Jun-19		wind		0.1 m/s												Hayato (2019) - race analysis of men's 100m at major comeptions in 2019		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
Cambridge, Aska (JPN) (1993)	time		1.87	2.95	3.91	4.82	5.71	6.59	7.47	8.36	9.27	10.20	10.20	7 / 2							
	reaction time	0.129		1.08	0.96	0.91	0.89	0.88	0.88	0.89	0.91	0.93		# of strides	3.91	2.68	2.68				
	velocity		5.35	9.26	10.42	10.99	11.24	11.36	11.36	11.24	10.99	10.75	9.80	46.2	7.67	11.19	11.19				
Mizukubo, Soshi (JPN) (1999)	time		1.87	2.95	3.92	4.85	5.76	6.67	7.57	8.48	9.41	10.36	10.36	8 / 6							
	reaction time	0.126		1.08	0.97	0.93	0.91	0.90	0.91	0.91	0.93	0.95	PB	# of strides	3.92	2.75	2.74				
	velocity		5.35	9.26	10.31	10.75	10.99	10.99	11.11	10.99	10.75	10.53	9.65	47.7	7.65	10.91	10.95				

## Semi-Final 1

		date	27-Jun-19		wind		0.2 m/s												Hayato (2019) - race analysis of men's 100m at major comeptions in 2019		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
Sakai, Ryuichiro (JPN) (1998)	time		1.84	2.90	3.86	4.79	5.69	6.59	7.49	8.41	9.33	10.28	10.28	5 / 4							
	reaction time	0.131		1.06	0.96	0.93	0.90	0.90	0.90	0.92	0.92	0.95	PB	# of strides	3.86	2.73	2.74				
	velocity		5.43	9.43	10.42	10.75	11.11	11.11	11.11	10.87	10.87	10.53	9.73	52.0	7.77	10.99	10.95				

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

## Decathlon - Heat 3

		date	08-Jun-19		wind		0.0 m/s												Matsubayashi (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				
Nakamura, Akihiko (JPN) (1990)	time		1.92	3.04	4.05	5.02	5.98	6.93	7.89	8.86	9.85	10.86	10.86	5 / 1							
	reaction time			1.12	1.01	0.97	0.96	0.95	0.96	0.97	0.99	1.01		# of strides	4.05	2.88	2.92				
	velocity		5.21	8.93	9.90	10.31	10.42	10.53	10.42	10.31	10.10	9.90	9.21		7.41	10.42	10.27				
Maruyama, Yuma (JPN) (1998)	time		1.97	3.10	4.13	5.12	6.09	7.05	8.01	8.98	9.95	10.94	10.94	4 / 2							
	reaction time			1.13	1.03	0.99	0.97	0.96	0.96	0.97	0.97	0.99		# of strides	4.13	2.92	2.90				
	velocity		5.08	8.85	9.71	10.10	10.31	10.42	10.42	10.31	10.31	10.10	9.14		7.26	10.27	10.34				

## Decathlon - Heat 1

		date	08-Jun-19		wind		0.2 m/s												Matsubayashi (2019) - research on athlete performance and technique- 2019 data book		
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		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Ushiro, Keisuke (JPN) (1986)	time	2.03	3.18	4.22	5.22	6.21	7.20	8.20	9.21	10.25	11.32	11.32	6 / 3				
	reaction time													# of strides	4.22	2.98	3.05
	velocity	4.93	8.70	9.62	10.00	10.10	10.10	10.00	9.90	9.62	9.35	8.83			7.11	10.07	9.84

## 2019 Fuse Sprint (Tottori, JPN)

## FINAL

	date	02-Jun-19	wind	0.1 m/s	Hayato (2019) - race analysis of men's 100m at major comeptions in 2019												
Naoki, Masafumi (JPN) (1993)	time	1.87	2.96	3.93	4.86	5.77	6.67	7.58	8.49	9.43	10.39	10.39	4 / 3				
	reaction time	0.112												# of strides	3.93	2.74	2.76
	velocity	5.35	9.17	10.31	10.75	10.99	11.11	10.99	10.99	10.64	10.42	9.62			47.0	7.63	10.95

## 2019 Shimane High School Championships (Honshu, JPN)

## FINAL

	date	25-May-19	wind	1.3 m/s	Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis												
門谷 昇星	time				4.07												
	reaction time																
	velocity				7.37												
佐藤 亜々人	time				4.17												
	reaction time																
	velocity				7.19												
松直 翼	time				4.13												
	reaction time																
	velocity				7.26												
置名 飛羅	time				4.13												
	reaction time																
	velocity				7.26												
井上 創亮	time				4.17												
	reaction time																
	velocity				7.19												
田中 健太郎	time				4.10												
	reaction time																
	velocity				7.32												
森本 知隼	time				4.17												
	reaction time																
	velocity				7.19												

## 2019 Seiko Golden Grand Prix (Osaka, JPN)

## FINAL

	date	19-May-19	wind	1.7 m/s	Hayato (2019) - race analysis of men's 100m at major comeptions in 2019												
Kiryu, Yoshihide (JPN) (1995)	time	1.86	2.90	3.84	4.74	5.61	6.47	7.33	8.20	9.09	10.01	10.01	4 / 2				
	reaction time	0.138												# of strides	3.84	2.63	2.62
	velocity	5.38	9.62	10.64	11.11	11.49	11.63	11.63	11.49	11.24	10.87	9.99			48.0	7.81	11.41
Zohri, Lalu Muhammad (INA) (200)	time	1.90	2.94	3.87	4.77	5.64	6.50	7.36	8.24	9.12	10.03	10.03	9 / 3				
	reaction time	0.179												# of strides	3.87	2.63	2.62
	velocity	5.26	9.62	10.75	11.11	11.49	11.63	11.63	11.36	11.36	10.99	9.97			44.3	7.75	11.41
Yamagata, Ryota (JPN) (1992)	time	1.88	2.94	3.88	4.78	5.66	6.53	7.40	8.29	9.19	10.11	10.11	5 / 5				
	reaction time	0.119												# of strides	3.88	2.65	2.66
	velocity	5.32	9.43	10.64	11.11	11.36	11.49	11.49	11.24	11.11	10.87	9.89			48.1	7.73	11.32
Tada, Shuhei (JPN) (1996)	time	1.86	2.90	3.85	4.74	5.62	6.49	7.37	8.26	9.18	10.12	10.12	2 / 6				
	reaction time	0.157												# of strides	3.85	2.64	2.69
	velocity	5.38	9.62	10.53	11.24	11.36	11.49	11.36	11.24	10.87	10.64	9.88			47.8	7.79	11.36
Burrell, Cameron (USA) (1994)	time	1.88	2.92	3.86	4.76	5.63	6.51	7.38	8.27	9.18	10.12	10.12	6 / 7				
	reaction time	0.138												# of strides	3.86	2.65	2.67
	velocity	5.32	9.62	10.64	11.11	11.49	11.36	11.49	11.24	10.99	10.64	9.88			47.1	7.77	11.32
Williams, Kendal (USA) (1995)	time	1.89	2.97	3.94	4.85	5.74	6.62	7.50	8.38	9.28	10.20	10.20	8 / 8				
	reaction time	0.145												# of strides	3.94	2.68	2.66
	velocity	5.29	9.26	10.31	10.99	11.24	11.36	11.36	11.36	11.11	10.87	9.80			47.2	7.61	11.19

## 2019 SEC Championships (Fayetteville, AR)

## FINAL

	date	11-May-19	wind	1.8 m/s	(2019) - tfdata-store.com/2019/05/19/post-1581/												
Sani Brown, Abdul Hakim (JPN) (1)	time				3.86												
	reaction time																
	velocity				7.77												

## 2019 Mikio Oda Memorial (Hiroshima, JPN)

## FINAL

		date	28-Apr-19		wind		1.2 m/s		Hayato (2019) - race analysis of men's 100m at major comeptions in 2019									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Shiraishi, Kirara (JPN) (1996)	time		1.91	2.98	3.94	4.85	5.74	6.63	7.51	8.39	9.28	10.19	10.19	5 / 1				
	reaction time			1.07	0.96	0.91	0.89	0.89	0.88	0.88	0.89	0.91	<b>PB</b>	# of strides	3.94	2.69	2.65	
	velocity		5.24	9.35	10.42	10.99	11.24	11.24	11.36	11.36	11.24	10.99	9.81	47.0	7.61	11.15	11.32	
Dede, Bruno Chikwadoro (JPN) (2000)	time		1.92	3.00	3.97	4.89	5.79	6.68	7.58	8.47	9.37	10.29	10.29	3 / 4				
	reaction time			1.08	0.97	0.92	0.90	0.89	0.90	0.89	0.90	0.92	<b>PB</b>	# of strides	3.97	2.71	2.69	
	velocity		5.21	9.26	10.31	10.87	11.11	11.24	11.11	11.24	11.11	10.87	9.72	46.2	7.56	11.07	11.15	

## 2019 Asian Athletics Championships (Doha, QAT)

## FINAL

		date	22-Apr-19		wind		1.5 m/s		Hayato (2019) - race analysis of men's 100m at major comeptions in 2019									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Wu Zhiqiang (CHN) (1994)	time		1.87	2.92	3.88	4.79	5.69	6.58	7.46	8.36	9.26	10.18	10.18	9 / 3				
	reaction time	0.145		1.05	0.96	0.91	0.90	0.89	0.88	0.90	0.90	0.92	<b>PB</b>	# of strides	3.88	2.70	2.68	
	velocity		5.35	9.52	10.42	10.99	11.11	11.24	11.36	11.11	11.11	10.87	9.82	47.7	7.73	11.11	11.19	
Fisher, Andrew (BRN) (1991)	time		1.86	2.91	3.85	4.76	5.65	6.54	7.43	8.33	9.26	10.20	10.20	5 / 4				
	reaction time	0.140		1.05	0.94	0.91	0.89	0.89	0.89	0.90	0.93	0.94	<b>PB</b>	# of strides	3.85	2.69	2.72	
	velocity		5.38	9.52	10.64	10.99	11.24	11.24	11.24	11.11	10.75	10.64	9.80	46.2	7.79	11.15	11.03	
Yang Chun-Han (TPE) (1997)	time		1.91	2.98	3.94	4.86	5.76	6.66	7.55	8.45	9.36	10.28	10.28	3 / 5				
	reaction time	0.141		1.07	0.96	0.92	0.90	0.90	0.89	0.90	0.91	0.92	<b>PB</b>	# of strides	3.94	2.72	2.70	
	velocity		5.24	9.35	10.42	10.87	11.11	11.11	11.24	11.11	10.99	10.87	9.73	48.0	7.61	11.03	11.11	

## 2018 Japanese Corporate Championships (Osaka, JPN)

## FINAL

		date	23-Sep-18		wind		0.0 m/s		Kobayashi (2018) - Race analysis results for men 100m in 2018 season									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Yamagata, Ryota (JPN) (1992)	time		1.83	2.89	3.83	4.73	5.60	6.46	7.33	8.20	9.09	10.01	10.01	7 / 1				
	reaction time	0.116		1.06	0.94	0.90	0.87	0.86	0.87	0.87	0.89	0.92	<b>PB</b>	# of strides	3.83	2.63	2.63	
	velocity		5.46	9.43	10.64	11.11	11.49	11.63	11.49	11.49	11.24	10.87	9.99	48.2	7.83	11.41	11.41	
Kiryu, Yoshihide (JPN) (1995)	time		1.90	2.97	3.93	4.84	5.73	6.61	7.49	8.38	9.29	10.22	10.22	5 / 2				
	reaction time	0.130		1.07	0.96	0.91	0.89	0.88	0.88	0.89	0.91	0.93	<b>PB</b>	# of strides	3.93	2.68	2.68	
	velocity		5.26	9.35	10.42	10.99	11.24	11.36	11.36	11.24	10.99	10.75	9.78	47.4	7.63	11.19	11.19	
Kawakami, Takuya (JPN) (1995)	time		1.87	2.91	3.86	4.77	5.66	6.56	7.47	8.40	9.35	10.33	10.33	6 / 3				
	reaction time	0.131		1.04	0.95	0.91	0.89	0.90	0.91	0.93	0.95	0.98	<b>PB</b>	# of strides	3.86	2.70	2.79	
	velocity		5.35	9.62	10.53	10.99	11.24	11.11	10.99	10.75	10.53	10.20	9.68	49.1	7.77	11.11	10.75	
Onabuta, Yu (JPN) (1994)	time		1.93	3.01	3.99	4.92	5.83	6.73	7.62	8.52	9.42	10.34	10.34	4 / 4				
	reaction time	0.147		1.08	0.98	0.93	0.91	0.90	0.89	0.90	0.90	0.92	<b>PB</b>	# of strides	3.99	2.74	2.69	
	velocity		5.18	9.26	10.20	10.75	10.99	11.11	11.24	11.11	11.11	10.87	9.67	51.2	7.52	10.95	11.15	

## 2018 Asian Games (Jakarta, INA)

## FINAL

		date	26-Aug-18		wind		0.8 m/s		Kobayashi (2018) - Race analysis results for men 100m in 2018 season									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Su Bingtian (CHN) (1989)	time		1.80	2.83	3.76	4.65	5.52	6.38	7.25	8.13	9.01	9.92	9.92	6 / 1				
	reaction time	0.143		1.03	0.93	0.89	0.87	0.86	0.87	0.88	0.88	0.91	<b>CR</b>	# of strides	3.76	2.62	2.63	
	velocity		5.56	9.71	10.75	11.24	11.49	11.63	11.49	11.36	11.36	10.99	10.08	48.3	7.98	11.45	11.41	
Ogunode, Tosin (QAT) (1994)	time		1.81	2.87	3.81	4.71	5.59	6.45	7.32	8.20	9.09	10.00	10.00	8 / 2				
	reaction time	0.125		1.06	0.94	0.90	0.88	0.86	0.87	0.88	0.89	0.91	<b>PB</b>	# of strides	3.81	2.64	2.64	
	velocity		5.52	9.43	10.64	11.11	11.36	11.63	11.49	11.36	11.24	10.99	10.00	44.5	7.87	11.36	11.36	
Yamagata, Ryota (JPN) (1992)	time		1.83	2.88	3.82	4.72	5.59	6.45	7.32	8.20	9.09	10.00	10.00	4 / 3				
	reaction time	0.133		1.05	0.94	0.90	0.87	0.86	0.87	0.88	0.89	0.91	<b>=PB</b>	# of strides	3.82	2.63	2.64	
	velocity		5.46	9.52	10.64	11.11	11.49	11.63	11.49	11.36	11.24	10.99	10.00	48.0	7.85	11.41	11.36	
Mohammed, Abdullah Abkar (KSA) (1993)	time		1.85	2.92	3.88	4.78	5.67	6.54	7.42	8.30	9.19	10.10	10.10	3 / 4				
	reaction time	0.112		1.07	0.96	0.90	0.89	0.87	0.88	0.88	0.89	0.91	<b>PB</b>	# of strides	3.88	2.66	2.65	
	velocity		5.41	9.35	10.42	11.11	11.24	11.49	11.36	11.36	11.24	10.99	9.90	44.7	7.73	11.28	11.32	
Yang Chun-Han (TPE) (1997)	time		1.88	2.95	3.90	4.81	5.70	6.57	7.45	8.34	9.24	10.17	10.17	5 / 5				
	reaction time	0.146		1.07	0.95	0.91	0.89	0.87	0.88	0.89	0.90	0.93	<b>PB</b>	# of strides	3.90	2.67	2.67	
	velocity		5.32	9.35	10.53	10.99	11.24	11.49	11.36	11.24	11.11	10.75	9.83	48.6	7.69	11.24	11.24	
Taftian, Hassan (IRI) (1993)	0.172		no information available										10.19	1 / 6				
Zohri, Lalu Muhammad (INA) (2000)	time		1.90	2.95	3.90	4.80	5.68	6.55	7.43	8.33	9.25	10.20	10.20	7 / 5				
	reaction time	0.145		1.05	0.95	0.90	0.88	0.87	0.88	0.90	0.92	0.95	<b>PB</b>	# of strides	3.90	2.65	2.70	
	velocity		5.26	9.52	10.53	11.11	11.36	11.49	11.36	11.11	10.87	10.53	9.80	44.8	7.69	11.32	11.11	
Kim Kuk-Young (KOR) (1991)	0.143		no information available										10.26	2 / 6				

## 2018 Japanese National High School Championships (Nagoya, JPN)

## FINAL

date 03-Aug-18 wind -0.3 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	
Tsukamoto, Justin Junpei (JPN)	time	1.94	3.02	3.98	4.90	5.81	6.71	7.62	8.54	9.48	10.43	10.43	7 / 1				
	reaction time		interval	1.08	0.96	0.92	0.91	0.90	0.91	0.92	0.94	0.95	PB	# of strides	3.98	2.73	2.77
	velocity	5.15	9.26	10.42	10.87	10.99	11.11	10.99	10.87	10.64	10.53	9.59		47.2	7.54	10.99	10.83
Kuwano, Takumi (JPN) (2001)	time	1.89	2.96	3.93	4.87	5.78	6.69	7.61	8.55	9.50	10.47	10.47	6 / 2				
	reaction time		interval	1.07	0.97	0.94	0.91	0.91	0.92	0.94	0.95	0.97	PB	# of strides	3.93	2.76	2.81
	velocity	5.29	9.35	10.31	10.64	10.99	10.99	10.87	10.64	10.53	10.31	9.55		50.5	7.63	10.87	10.68
Tatsumi, Shin (JPN)	time	1.88	2.95	3.91	4.83	5.75	6.67	7.60	8.54	9.51	10.51	10.51	5 / 3				
	reaction time		interval	1.07	0.96	0.92	0.92	0.92	0.93	0.94	0.97	1.00	PB	# of strides	3.91	2.76	2.84
	velocity	5.32	9.35	10.42	10.87	10.87	10.87	10.75	10.64	10.31	10.00	9.51		48.0	7.67	10.87	10.56
Nakamura, Syota (JPN) (2001)	time	1.94	3.03	4.01	4.96	5.88	6.81	7.75	8.70	9.66	10.65	10.65	4 / 4				
	reaction time		interval	1.09	0.98	0.95	0.92	0.93	0.94	0.95	0.96	0.99		# of strides	4.01	2.80	2.85
	velocity	5.15	9.17	10.20	10.53	10.87	10.75	10.64	10.53	10.42	10.10	9.39		51.2	7.48	10.71	10.53
Okubo, Daichi (JPN)	time	1.96	3.06	4.05	5.00	5.92	6.85	7.79	8.73	9.70	10.68	10.68	3 / 5				
	reaction time		interval	1.10	0.99	0.95	0.92	0.93	0.94	0.94	0.97	0.98		# of strides	4.05	2.80	2.85
	velocity	5.10	9.09	10.10	10.53	10.87	10.75	10.64	10.64	10.31	10.20	9.36		50.2	7.41	10.71	10.53
Yamamoto, Mirai (JPN)	time	1.97	3.08	4.08	5.03	5.96	6.88	7.82	8.76	9.73	10.71	10.71	2 / 6				
	reaction time		interval	1.11	1.00	0.95	0.93	0.92	0.94	0.94	0.97	0.98		# of strides	4.08	2.80	2.85
	velocity	5.08	9.01	10.00	10.53	10.75	10.87	10.64	10.64	10.31	10.20	9.34		48.5	7.35	10.71	10.53
Yamaji, Kotaro (JPN) (2000)	time	2.00	3.12	4.12	5.07	6.01	6.93	7.86	8.81	9.76	10.74	10.74	8 / 7				
	reaction time		interval	1.12	1.00	0.95	0.94	0.92	0.93	0.95	0.95	0.98		# of strides	4.12	2.81	2.83
	velocity	5.00	8.93	10.00	10.53	10.64	10.87	10.75	10.53	10.53	10.20	9.31		49.2	7.28	10.68	10.60
Matsubara, Yahiro (JPN)	time	1.99	3.11	4.12	5.09	6.06	7.04	8.07	9.17	10.39	11.82	11.82	9 / 8				
	reaction time		interval	1.12	1.01	0.97	0.97	0.98	1.03	1.10	1.22	1.43		# of strides	4.12	2.92	3.35
	velocity	5.03	8.93	9.90	10.31	10.31	10.20	9.71	9.09	8.20	6.99	8.46		7.28	10.27	8.96	

## 2018 Japanese National Championships (Yamaguchi, JPN)

## FINAL

date 23-Jun-18 wind 0.6 m/s Kobayashi (2018) - Race analysis results for men 100m in 2018 season

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Yamagata, Ryota (JPN) (1992)	time	1.85	2.89	3.84	4.73	5.61	6.48	7.35	8.23	9.13	10.05	10.05	7 / 1				
	reaction time 0.141		interval	1.04	0.95	0.89	0.88	0.87	0.88	0.90	0.92		# of strides	3.84	2.64	2.65	
	velocity	5.41	9.62	10.53	11.24	11.36	11.49	11.49	11.36	11.11	10.87	9.95		48.6	7.81	11.36	11.32
Cambridge, Aska (JPN) (1993)	time	1.92	2.99	3.95	4.85	5.73	6.60	7.46	8.34	9.23	10.14	10.14	5 / 2				
	reaction time 0.143		interval	1.07	0.96	0.88	0.87	0.86	0.88	0.89	0.91		# of strides	3.95	2.65	2.63	
	velocity	5.21	9.35	10.42	11.11	11.36	11.49	11.63	11.36	11.24	10.99	9.86		47.0	7.59	11.32	11.41
Kiryu, Yoshihide (JPN) (1995)	time	1.90	2.97	3.92	4.82	5.71	6.58	7.46	8.34	9.24	10.16	10.16	4 / 3				
	reaction time 0.144		interval	1.07	0.95	0.90	0.89	0.87	0.88	0.88	0.90	0.92		# of strides	3.92	2.66	2.66
	velocity	5.26	9.35	10.53	11.11	11.24	11.49	11.36	11.36	11.11	10.87	9.84		47.6	7.65	11.28	11.28
Koike, Yuki (JPN) (1995)	time	1.88	2.94	3.89	4.80	5.68	6.56	7.44	8.33	9.24	10.17	10.17	6 / 4				
	reaction time 0.162		interval	1.06	0.95	0.91	0.88	0.88	0.88	0.89	0.91	0.93	PB	# of strides	3.89	2.67	2.68
	velocity	5.32	9.43	10.53	10.99	11.36	11.36	11.36	11.24	10.99	10.75	9.83		51.0	7.71	11.24	11.19
Tada, Shuhei (JPN) (1996)	time	1.87	2.92	3.87	4.78	5.67	6.55	7.45	8.35	9.27	10.22	10.22	8 / 5				
	reaction time 0.147		interval	1.05	0.95	0.91	0.89	0.88	0.90	0.90	0.92	0.95		# of strides	3.87	2.68	2.72
	velocity	5.35	9.52	10.53	10.99	11.24	11.36	11.11	11.11	10.87	10.53	9.78		48.1	7.75	11.19	11.03

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

## Decathlon - Heat 3

date 16-Jun-18 wind 1.4 m/s Matsubayashi (2018) - research on athlete performance and technique- 2018 data book

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Nakamura, Akihiko (JPN) (1990)	time	1.95	3.06	4.07	5.03	5.98	6.92	7.87	8.82	9.80	10.79	10.79	6 / 2				
	reaction time		interval	1.11	1.01	0.96	0.95	0.94	0.95	0.95	0.98	0.99		# of strides	4.07	2.85	2.88
	velocity	5.13	9.01	9.90	10.42	10.53	10.64	10.53	10.53	10.20	10.10	9.27		7.37	10.53	10.42	
Maruyama, Yuma (JPN) (1998)	time	1.97	3.08	4.10	5.07	6.01	6.96	7.90	8.85	9.82	10.80	10.80	2 / 3				
	reaction time		interval	1.11	1.02	0.97	0.94	0.95	0.94	0.95	0.97	0.98	PB	# of strides	4.10	2.86	2.86
	velocity	5.08	9.01	9.80	10.31	10.64	10.53	10.64	10.53	10.31	10.20	9.26		7.32	10.49	10.49	
Morimoto, Kimihito (JPN) (1993)	time	2.02	3.15	4.17	5.14	6.10	7.05	8.00	8.95	9.92	10.90	10.90	3 / 6				
	reaction time		interval	1.13	1.02	0.97	0.96	0.95	0.95	0.95	0.97	0.98	PB	# of strides	4.17	2.88	2.87
	velocity	4.95	8.85	9.80	10.31	10.42	10.53	10.53	10.53	10.31	10.20	9.17		7.19	10.42	10.45	

## Decathlon - Heat 1

date 16-Jun-18 wind 3.2 m/s Matsubayashi (2018) - research on athlete performance and technique- 2018 data book

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ushiro, Keisuke (JPN) (1986)	time	2.00	3.14	4.17	5.16	6.14	7.12	8.10	9.11	10.14	11.21	11.21	7 / 4			

reaction time	interval	1.14	1.03	0.99	0.98	0.98	0.98	1.01	1.03	1.07		# of strides	4.17	2.95	3.02
	velocity	5.00	8.77	9.71	10.10	10.20	10.20	10.20	9.90	9.71	9.35	8.92	7.19	10.17	9.93

**2018 Fuse Sprint (Tottori, JPN)****FINAL**date 03-Jun-18 wind -0.7 m/s *Kobayashi (2018) - Race analysis results for men 100m in 2018 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Yamagata, Ryota (JPN) (1992)</b>	time	1.84	2.90	3.86	4.76	5.65	6.52	7.40	8.28	9.19	10.12	10.12	/ 1			
	reaction time		1.06	0.96	0.90	0.89	0.87	0.88	0.88	0.91	0.93		# of strides	3.86	2.66	2.67
	velocity	5.43	9.43	10.42	11.11	11.24	11.49	11.36	11.36	10.99	10.75	9.88	49.0	7.77	11.28	11.24
<b>Iizuka, Shota (JPN) (1991)</b>	time	1.86	2.94	3.90	4.82	5.71	6.59	7.47	8.36	9.28	10.21	10.21	/ 2			
	reaction time		1.08	0.96	0.92	0.89	0.88	0.88	0.89	0.92	0.93		# of strides	3.90	2.69	2.69
	velocity	5.38	9.26	10.42	10.87	11.24	11.36	11.36	11.24	10.87	10.75	9.79	48.0	7.69	11.15	11.15
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.86	2.94	3.90	4.81	5.70	6.58	7.47	8.36	9.27	10.21	10.21	/ 3			
	reaction time		1.08	0.96	0.91	0.89	0.88	0.89	0.89	0.91	0.94		# of strides	3.90	2.68	2.69
	velocity	5.38	9.26	10.42	10.99	11.24	11.36	11.24	11.24	10.99	10.64	9.79	47.3	7.69	11.19	11.15
<b>Koike, Yuki (JPN) (1995)</b>	time	1.87	2.94	3.91	4.83	5.72	6.61	7.49	8.39	9.30	10.24	10.24	/ 4			
	reaction time		1.07	0.97	0.92	0.89	0.89	0.88	0.90	0.91	0.94		# of strides	3.91	2.70	2.69
	velocity	5.35	9.35	10.31	10.87	11.24	11.24	11.36	11.11	10.99	10.64	9.77	50.5	7.67	11.11	11.15

**2018 Shimane High School Championships (Honshu, JPN)****FINAL**date 26-May-18 wind 2.3 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
<b>門脇 陸</b>	time			4.03			6.87			9.65	10.62	10.62	6 / 1			
	reaction time						2.84			2.78	0.97		# of strides	4.03	2.84	2.78
	velocity			7.44			10.56			10.79	10.31	9.42	50.0	7.44	10.56	10.79
<b>大櫃 崇宏</b>	time			4.07			6.91			9.68	10.68	10.68	5 / 2			
	reaction time						2.84			2.77	1.00		# of strides	4.07	2.84	2.77
	velocity			7.37			10.56			10.83	10.00	9.36	50.3	7.37	10.56	10.83
<b>林 頼人</b>	time			4.10			6.94			9.75	10.76	10.76	4 / 3			
	reaction time						2.84			2.81	1.01		# of strides	4.10	2.84	2.81
	velocity			7.32			10.56			10.68	9.90	9.29	49.3	7.32	10.56	10.68
<b>松浦 優</b>	time			4.10			6.97			9.88	10.89	10.89	1 / 4			
	reaction time						2.87			2.91	1.01		# of strides	4.10	2.87	2.91
	velocity			7.32			10.45			10.31	9.90	9.18	50.8	7.32	10.45	10.31
<b>門谷 昇星</b>	time			4.10			7.01			9.92	10.93	10.93	3 / 5			
	reaction time						2.91			2.91	1.01		# of strides	4.10	2.91	2.91
	velocity			7.32			10.31			10.31	9.90	9.15	50.0	7.32	10.31	10.31
<b>布村 舜</b>	time			4.12			7.04			9.98	11.03	11.03	7 / 6			
	reaction time						2.92			2.94	1.05		# of strides	4.12	2.92	2.94
	velocity			7.28			10.27			10.20	9.52	9.07	51.0	7.28	10.27	10.20
<b>佐藤 亜々人</b>	time			4.13			7.07			10.02	11.06	11.06	8 / 7			
	reaction time						2.94			2.95	1.04		# of strides	4.13	2.94	2.95
	velocity			7.26			10.20			10.17	9.62	9.04	50.8	7.26	10.20	10.17
<b>新谷 俊季</b>	time			4.13			7.07			10.33	11.84	11.84	2 / 8			
	reaction time						2.94			3.26	1.51		# of strides	4.13	2.94	3.26
	velocity			7.26			10.20			9.20	6.62	8.45	51.0	7.26	10.20	9.20

**2018 Seiko Golden Grand Prix (Osaka, JPN)****FINAL**date 20-May-18 wind -0.7 m/s *Kobayashi (2018) - Race analysis results for men 100m in 2018 season*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Gatlin, Justin (USA) (1982)</b>	time	1.86	2.91	3.86	4.76	5.64	6.51	7.38	8.25	9.15	10.06	10.06	3 / 1			
	reaction time	0.154	1.05	0.95	0.90	0.88	0.87	0.87	0.87	0.90	0.91		# of strides	3.86	2.65	2.64
	velocity	5.38	9.52	10.53	11.11	11.36	11.49	11.49	11.49	11.11	10.99	9.94	44.7	7.77	11.32	11.36
<b>Yamagata, Ryota (JPN) (1992)</b>	time	1.87	2.91	3.86	4.76	5.64	6.52	7.40	8.30	9.20	10.13	10.13	5 / 2			
	reaction time	0.142	1.04	0.95	0.90	0.88	0.88	0.88	0.90	0.90	0.93		# of strides	3.86	2.66	2.68
	velocity	5.35	9.62	10.53	11.11	11.36	11.36	11.36	11.11	11.11	10.75	9.87	48.8	7.77	11.28	11.19
<b>Young, Isiah (USA) (1990)</b>	time	1.87	2.93	3.88	4.79	5.67	6.55	7.42	8.31	9.21	10.13	10.13	8 / 3			
	reaction time	0.140	1.06	0.95	0.91	0.88	0.88	0.87	0.89	0.90	0.92		# of strides	3.88	2.67	2.66
	velocity	5.35	9.43	10.53	10.99	11.36	11.36	11.49	11.24	11.11	10.87	9.87	48.3	7.73	11.24	11.28
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.88	2.93	3.88	4.78	5.67	6.55	7.44	8.33	9.24	10.17	10.17	4 / 4			
	reaction time	0.135	1.05	0.95	0.90	0.89	0.88	0.89	0.89	0.91	0.93		# of strides	3.88	2.67	2.69
	velocity	5.32	9.52	10.53	11.11	11.24	11.36	11.24	11.24	10.99	10.75	9.83	48.1	7.73	11.24	11.15

<b>Cambridge, Aska (JPN) (1993)</b>	time	1.91	2.98	3.94	4.85	5.73	6.61	7.49	8.37	9.27	10.19	10.19	7 / 5			
	reaction time	0.145	interval	1.07	0.96	0.91	0.88	0.88	0.88	0.88	0.90	0.92	# of strides	3.94	2.67	2.66
	velocity	5.24	9.35	10.42	10.99	11.36	11.36	11.36	11.36	11.11	10.87	9.81	47.4	7.61	11.24	11.28
<b>Tada, Shuhei (JPN) (1996)</b>	time	1.88	2.93	3.89	4.80	5.70	6.60	7.51	8.43	9.36	10.32	10.32	6 / 6			
	reaction time	0.150	interval	1.05	0.96	0.91	0.90	0.90	0.91	0.92	0.93	0.96	# of strides	3.89	2.71	2.76
	velocity	5.32	9.52	10.42	10.99	11.11	11.11	10.99	10.87	10.75	10.42	9.69	48.3	7.71	11.07	10.87

**2018 Mikio Oda Memorial (Hiroshima, JPN)****A FINAL**

date 29-Apr-18 wind 1.3 m/s Kobayashi (2018) - Race analysis results for men 100m in 2018 season

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Yamagata, Ryota (JPN) (1992)</b>	time	1.87	2.93	3.88	4.79	5.67	6.55	7.44	8.33	9.24	10.17	10.17	6 / 1			
	reaction time	interval	1.06	0.95	0.91	0.88	0.88	0.89	0.89	0.91	0.93	# of strides	3.88	2.67	2.69	
	velocity	5.35	9.43	10.53	10.99	11.36	11.36	11.24	11.24	10.99	10.75	9.83	48.8	7.73	11.24	11.15
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.91	2.97	3.94	4.85	5.75	6.64	7.53	8.42	9.33	10.26	10.26	5 / 2			
	reaction time	interval	1.06	0.97	0.91	0.90	0.89	0.89	0.89	0.91	0.93	# of strides	3.94	2.70	2.69	
	velocity	5.24	9.43	10.31	10.99	11.11	11.24	11.24	11.24	10.99	10.75	9.75	48.8	7.61	11.11	11.15
<b>Koike, Yuki (JPN) (1995)</b>	time	1.91	2.97	3.93	4.85	5.75	6.64	7.53	8.44	9.36	10.29	10.29	4 / 3			
	reaction time	interval	1.06	0.96	0.92	0.90	0.89	0.89	0.91	0.92	0.93	# of strides	3.93	2.71	2.72	
	velocity	5.24	9.43	10.42	10.87	11.11	11.24	11.24	10.99	10.87	10.75	9.72	51.3	7.63	11.07	11.03
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time	1.88	2.95	3.91	4.83	5.74	6.64	7.55	8.47	9.40	10.35	10.35	3 / 4			
	reaction time	interval	1.07	0.96	0.92	0.91	0.90	0.91	0.92	0.93	0.95	# of strides	3.91	2.73	2.76	
	velocity	5.32	9.35	10.42	10.87	10.99	11.11	10.99	10.87	10.75	10.53	9.66	49.4	7.67	10.99	10.87

**B FINAL**

date 29-Apr-18 wind 2.7 m/s Kobayashi (2018) - Race analysis results for men 100m in 2018 season

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Kim Kuk-Young (KOR) (1991)</b>	time	1.88	2.95	3.90	4.80	5.69	6.56	7.44	8.33	9.24	10.17	10.17	3 / 1			
	reaction time	interval	1.07	0.95	0.90	0.89	0.87	0.88	0.89	0.91	0.93	# of strides	3.90	2.66	2.68	
	velocity	5.32	9.35	10.53	11.11	11.24	11.49	11.36	11.24	10.99	10.75	9.83	49.3	7.69	11.28	11.19

**2018 Tokyo Combined Event Meeting (Tokyo, JPN)****Decathlon - Heat 2**

date 21-Apr-18 wind 0.2 m/s Matsubayashi (2018) - research on athlete performance and technique- 2018 data book

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.93	3.05	4.07	5.05	6.01	6.96	7.92	8.89	9.88	10.90	10.90	6 / 2			
	reaction time	interval	1.12	1.02	0.98	0.96	0.95	0.96	0.97	0.99	1.02	# of strides	4.07	2.89	2.92	
	velocity	5.18	8.93	9.80	10.20	10.42	10.53	10.42	10.31	10.10	9.80	9.17	7.37	10.38	10.27	
<b>Shimizu, Tsuyoshi (JPN) (1993)</b>	time	1.99	3.13	4.16	5.15	6.12	7.08	8.04	9.02	10.02	11.04	11.04	4 / 3			
	reaction time	interval	1.14	1.03	0.99	0.97	0.96	0.96	0.98	1.00	1.02	# of strides	4.16	2.92	2.94	
	velocity	5.03	8.77	9.71	10.10	10.31	10.42	10.42	10.20	10.00	9.80	9.06	7.21	10.27	10.20	

**Decathlon - Heat 1**

date 21-Apr-18 wind -4.4 m/s Matsubayashi (2018) - research on athlete performance and technique- 2018 data book

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.00	3.16	4.23	5.28	6.32	7.36	8.41	9.47	10.54	11.62	11.62	5 / 1			
	reaction time	interval	1.16	1.07	1.05	1.04	1.04	1.05	1.06	1.07	1.08	# of strides	4.23	3.13	3.18	
	velocity	5.00	8.62	9.35	9.52	9.62	9.62	9.52	9.43	9.35	9.26	8.61	7.09	9.58	9.43	

**2018 Australian Athletics Championships (Gold Coast, AUS)****FINAL**

date 16-Feb-18 wind 0.4 m/s Emma (2018.02.26) - twitter.com/Rohan\_Browning

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Williams, Trae (AUS) (1997)</b>	time	1.86	2.90	3.83	4.75	5.64	6.51	7.40	8.29	9.19	10.10	10.10	5 / 1			
	reaction time	interval	1.04	0.93	0.92	0.89	0.87	0.89	0.89	0.90	0.91	PB	# of strides	3.83	2.68	2.68
	velocity	5.38	9.62	10.75	10.87	11.24	11.49	11.24	11.24	11.11	10.99	9.90	52.7	7.83	11.19	11.19
<b>Browning, Rohan (AUS) (1997)</b>	time	1.95	2.97	3.91	4.83	5.71	6.57	7.45	8.36	9.28	10.21	10.20	6 / 2			
	reaction time	interval	1.02	0.94	0.92	0.88	0.86	0.88	0.91	0.92	0.93	# of strides	3.91	2.66	2.71	
	velocity	5.13	9.80	10.64	10.87	11.36	11.63	11.36	10.99	10.87	10.75	9.80	46.2	7.67	11.28	11.07

**2017 Japanese National Sports Festival (Matsuyama, JPN)****FINAL**

date 07-Oct-17 wind 0.0 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
<b>Suda, Hayato (JPN) (1994)</b>	time	1.86	2.93	3.89	4.81	5.71	6.60	7.50	8.41	9.34	10.30	10.30	/ 2			
	reaction time	0.118	interval	1.07	0.96	0.92	0.90	0.89	0.90	0.91	0.93	0.96	# of strides	3.89	2.71	2.74
	velocity	5.38	9.35	10.42	10.87	11.11	11.24	11.11	10.99	10.75	10.42	9.71	47.8	7.71	11.07	10.95
<b>Takeda, Ippei (JPN) (1997)</b>	time	1.86	2.93	3.90	4.83	5.74	6.64	7.54	8.46	9.39	10.35	10.35	/ 3			
	reaction time	0.135	interval	1.07	0.97	0.93	0.91	0.90	0.90	0.92	0.93	0.96	# of strides	3.90	2.74	2.75
	velocity	5.38	9.35	10.31	10.75	10.99	11.11	11.11	10.87	10.75	10.42	9.66	48.9	7.69	10.95	10.91

**Semi-Final 1**

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
<b>Nagata, Takuya (JPN) (1994)</b>	time	1.90	2.98	3.95	4.87	5.77	6.67	7.57	8.48	9.41	10.37	10.37	/ 2			

reaction time	0.147	interval	1.08	0.97	0.92	0.90	0.90	0.90	0.91	0.93	0.96		# of strides	3.95	2.72	2.74	
		velocity	5.26	9.26	10.31	10.87	11.11	11.11	11.11	10.99	10.75	10.42	9.64	47.8	7.59	11.03	10.95

**2017 Japanese Inter-Collegiate Championships (Fukui JPN)****FINAL**

date 09-Sep-17 wind 1.8 m/s

*Kobayashi (2017) - 100m race patterns of Yoshihide Kiryu in his history attaining 9.98 seconds*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.85	2.92	3.87	4.77	5.64	6.50	7.36	8.22	9.09	9.98	9.98	1 / 1				
	reaction time	0.139	interval	1.07	0.95	0.90	0.87	0.86	0.86	0.87	0.89	NR	# of strides	3.87	2.63	2.59	
		velocity	5.41	9.35	10.53	11.11	11.49	11.63	11.63	11.63	11.49	11.24	10.02		7.75	11.41	11.58

**2017 Chinese National Games (Tianjin, CHN)****FINAL**

date 03-Sep-17 wind 0.3 m/s

*Jiang (2018) - study of key technical characteristics of men's 100m finalists in 2017 national games*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Xie Zhenye (CHN) (1993)</b>	time	1.86	2.90	3.81	4.72	5.61	6.47	7.33	8.21	9.10	10.04	10.04	4 / 1				
	reaction time	0.14	interval	1.04	0.91	0.91	0.89	0.86	0.86	0.88	0.89	0.94	PB	# of strides	3.81	2.66	2.63
		velocity	5.38	9.62	10.99	10.99	11.24	11.63	11.63	11.36	11.24	10.64	9.96	46.0	7.87	11.28	11.41
<b>Su Bingtian (CHN) (1989)</b>	time	1.83	2.89	3.80	4.71	5.61	6.49	7.36	8.25	9.14	10.10	10.10	7 / 2				
	reaction time	0.13	interval	1.06	0.91	0.91	0.90	0.88	0.87	0.89	0.89	0.96	# of strides	3.80	2.69	2.65	
		velocity	5.46	9.43	10.99	10.99	11.11	11.36	11.49	11.24	11.24	10.42	9.90	48.2	7.89	11.15	11.32
<b>Xu Haiyang (CHN) (1992)</b>	time	1.89	3.01	3.96	4.89	5.78	6.64	7.53	8.42	9.33	10.28	10.28	5 / 3				
	reaction time	0.15	interval	1.12	0.95	0.93	0.89	0.86	0.89	0.89	0.91	0.95	# of strides	3.96	2.68	2.69	
		velocity	5.29	8.93	10.53	10.75	11.24	11.63	11.24	11.24	10.99	10.53	9.73	48.2	7.58	11.19	11.15
<b>Wu Zhiqiang (CHN) (1994)</b>	time	1.93	2.98	3.93	4.85	5.75	6.64	7.54	8.43	9.36	10.31	10.31	6 / 4				
	reaction time	0.15	interval	1.05	0.95	0.92	0.90	0.89	0.90	0.89	0.93	0.95	# of strides	3.93	2.71	2.72	
		velocity	5.18	9.52	10.53	10.87	11.11	11.24	11.11	11.24	10.75	10.53	9.70	47.8	7.63	11.07	11.03
<b>Xu Zhouzheng (CHN) (1995)</b>	time	1.94	3.00	3.93	4.87	5.77	6.63	7.53	8.43	9.35	10.31	10.31	3 / 5				
	reaction time	0.15	interval	1.06	0.93	0.94	0.90	0.86	0.90	0.90	0.92	0.96	# of strides	3.93	2.70	2.72	
		velocity	5.15	9.43	10.75	10.64	11.11	11.63	11.11	11.11	10.87	10.42	9.70	46.4	7.63	11.11	11.03
<b>Zhang Peimeng (CHN) (1987)</b>	time	1.90	3.00	3.95	4.89	5.82	6.72	7.60	8.49	9.40	10.34	10.34	9 / 6				
	reaction time	0.15	interval	1.10	0.95	0.94	0.93	0.90	0.88	0.89	0.91	0.94	# of strides	3.95	2.77	2.68	
		velocity	5.26	9.09	10.53	10.64	10.75	11.11	11.36	11.24	10.99	10.64	9.67	47.5	7.59	10.83	11.19
<b>Liang Jinsheng (CHN) (1996)</b>	time	1.94	3.00	3.96	4.91	5.83	6.71	7.60	8.50	9.44	10.37	10.37	2 / 7				
	reaction time	0.16	interval	1.06	0.96	0.95	0.92	0.88	0.89	0.90	0.94	0.93	# of strides	3.96	2.75	2.73	
		velocity	5.15	9.43	10.42	10.53	10.87	11.36	11.24	11.11	10.64	10.75	9.64	44.0	7.58	10.91	10.99
<b>Mi Hong (CHN) (1993)</b>	time	1.92	3.00	3.97	4.93	5.85	6.75	7.87	8.60	9.54	10.49	10.49	8 / 8				
	reaction time	0.13	interval	1.08	0.97	0.96	0.92	0.90	1.12	0.73	0.94	0.95	# of strides	3.97	2.78	2.79	
		velocity	5.21	9.26	10.31	10.42	10.87	11.11	8.93	13.70	10.64	10.53	9.53	46.4	7.56	10.79	10.75

**2017 IAAF World Championships (London, GBR)****FINAL**

date 05-Aug-17 wind -0.8 m/s

*Leeds Beckett Univ. (2017) - preliminary analysis of the men's 100m final*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Gatlin, Justin (USA) (1982)</b>	time	1.88	2.90	3.81	4.71	5.59	6.45	7.31	8.18	9.05	9.92	9.92	8 / 1				
	reaction time	0.138	interval	1.02	0.91	0.90	0.88	0.86	0.87	0.87	0.87	10.08	# of strides	3.81	2.64	2.60	
		velocity	5.32	9.80	10.99	11.11	11.36	11.63	11.63	11.49	11.49	11.49	10.08	44.0	7.87	11.36	11.54
<b>Coleman, Christian (USA) (1996)</b>	time	1.87	2.87	3.77	4.65	5.52	6.38	7.26	8.14	9.02	9.94	9.94	5 / 2				
	reaction time	0.123	interval	1.00	0.90	0.88	0.87	0.86	0.88	0.88	0.88	10.06	# of strides	3.77	2.61	2.64	
		velocity	5.35	10.00	11.11	11.36	11.49	11.63	11.36	11.36	11.36	10.87	10.06	47.0	7.96	11.49	11.36
<b>Bolt, Usain (JAM) (1986)</b>	time	1.96	2.98	3.88	4.76	5.64	6.49	7.34	8.20	9.06	9.95	9.95	4 / 3				
	reaction time	0.183	interval	1.02	0.90	0.88	0.88	0.85	0.85	0.86	0.86	10.05	# of strides	3.88	2.61	2.57	
		velocity	5.10	9.80	11.11	11.36	11.36	11.76	11.76	11.63	11.63	11.24	10.05	41.0	7.73	11.49	11.67
<b>Blake, Yohan (JAM) (1989)</b>	time	1.89	2.92	3.83	4.73	5.62	6.50	7.37	8.25	9.12	9.99	9.99	7 / 4				
	reaction time	0.137	interval	1.03	0.91	0.90	0.89	0.88	0.87	0.88	0.87	10.01	# of strides	3.83	2.67	2.62	
		velocity	5.29	9.71	10.99	11.11	11.24	11.36	11.49	11.36	11.49	11.49	10.01	46.1	7.83	11.24	11.45
<b>Simbine, Akani (RSA) (1993)</b>	time	1.92	2.95	3.87	4.79	5.66	6.50	7.36	8.23	9.11	10.01	10.01	6 / 5				
	reaction time	0.141	interval	1.03	0.92	0.92	0.87	0.84	0.86	0.87	0.88	0.90	# of strides	3.87	2.63	2.61	
		velocity	5.21	9.71	10.87	10.87	11.49	11.90	11.63	11.49	11.36	11.11	9.99	47.8	7.75	11.41	11.49
<b>Vicaut, Jimmy (FRA) (1992)</b>	time	1.95	2.98	3.88	4.77	5.64	6.51	7.39	8.28	9.18	10.08	10.08	3 / 6				
	reaction time	0.152	interval	1.03	0.90	0.89	0.87	0.87	0.88	0.89	0.90	9.92	# of strides	3.88	2.63	2.67	
		velocity	5.13	9.71	11.11	11.24	11.49	11.49	11.36	11.24	11.11	11.11	9.92	46.5	7.73	11.41	11.24
<b>Prescod, Reece (GBR) (1996)</b>	time	2.04	3.09	4.01	4.93	5.82	6.68	7.54	8.41	9.29	10.17	10.17	9 / 7				
	reaction time	0.145	interval	1.05	0.92	0.92	0.89	0.86	0.86	0.87	0.88	0.88	# of strides	4.01	2.67	2.61	
		velocity	4.90	9.52	10.87	10.87	11.24	11.63	11.63	11.49	11.36	11.36	9.83	44.1	7.48	11.24	11.49

<b>Su Bingtian (CHN) (1989)</b>	time	2.03	3.06	3.98	4.89	5.78	6.67	7.56	8.45	9.35	10.27	10.27	2 / 8			
reaction time	0.224	interval	1.03	0.92	0.91	0.89	0.89	0.89	0.89	0.90	0.92		# of strides	3.98	2.69	2.68
velocity	4.93	9.71	10.87	10.99	11.24	11.24	11.24	11.24	11.24	11.11	10.87	9.74	48.0	7.54	11.15	11.19

**Semi-Final 3**

date	05-Aug-17	wind	0.4 m/s	<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Ujah, Chijindu (GBR) (1994)</b>	time	1.90	2.97	3.92	4.82	5.70	6.57	7.44	8.32	9.21	10.12	10.12	7 / 4			
reaction time	0.156	interval	1.07	0.95	0.90	0.88	0.87	0.87	0.88	0.89	0.91		# of strides	3.92	2.65	2.64
velocity	5.26	9.35	10.53	11.11	11.36	11.49	11.49	11.36	11.24	10.99	9.88	45.5	7.65	11.32	11.36	

**Semi-Final 1**

date	05-Aug-17	wind	-0.5 m/s	<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Dasalu, James (GBR) (1987)</b>	time	1.89	2.95	3.91	4.82	5.72	6.61	7.50	8.39	9.30	10.22	10.22	4 / 5			
reaction time	0.145	interval	1.06	0.96	0.91	0.90	0.89	0.89	0.89	0.91	0.92		# of strides	3.91	2.70	2.69
velocity	5.29	9.43	10.42	10.99	11.11	11.24	11.24	11.24	11.24	10.99	10.87	9.78	44.8	7.67	11.11	11.15

**Heat 5**

date	04-Aug-17	wind	0.9 m/s	<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Kim Kuk-Young (KOR) (1991)</b>	time	1.85	2.90	3.85	4.75	5.64	6.52	7.42	8.33	9.27	10.24	10.24	3 / 3			
reaction time	0.107	interval	1.05	0.95	0.90	0.89	0.88	0.90	0.91	0.94	0.97		# of strides	3.85	2.67	2.75
velocity	5.41	9.52	10.53	11.11	11.24	11.36	11.11	10.99	10.64	10.31	9.77	50.1	7.79	11.24	10.91	

**Heat 4**

date	04-Aug-17	wind	-0.2 m/s	<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Su Bingtian (CHN) (1989)</b>	time	1.88	2.93	3.87	4.76	5.64	6.50	7.37	8.24	9.13	10.03	10.03	4 / 1			
reaction time	0.166	interval	1.05	0.94	0.89	0.88	0.87	0.87	0.89	0.89	0.90		# of strides	3.87	2.63	2.63
velocity	5.32	9.52	10.64	11.24	11.36	11.63	11.49	11.49	11.24	11.11	9.97	48.0	7.75	11.41	11.41	

**Heat 2**

date	04-Aug-17	wind	-0.6 m/s	<i>Matsuo (2017) - race analysis of the men's and women's 100m in the 2017 season</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Xie Zhenye (CHN) (1993)</b>	time	1.87	2.92	3.86	4.77	5.65	6.52	7.40	8.29	9.20	10.13	10.13	6 / 3			
reaction time	0.161	interval	1.05	0.94	0.91	0.88	0.87	0.88	0.89	0.91	0.93		# of strides	3.86	2.66	2.68
velocity	5.35	9.52	10.64	10.99	11.36	11.49	11.36	11.24	10.99	10.75	9.87	46.6	7.77	11.28	11.19	

**2017 Windsprint (Sundsvall, SWE)****A FINAL**

date	30-Jul-17	wind	1.8 m/s	<i>(2017) - www.windsprint/Splittider/</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time			4.01		5.83	6.72		8.56		10.41	10.41	5 / 1			
reaction time	interval					1.82	0.89		1.84		1.85		# of strides	4.01	2.71	
velocity				7.48		10.99	11.24		10.87		10.81	9.61		7.48	11.07	
<b>Leal, Dennis (SWE) (1994)</b>	time			4.13		5.95	6.84		8.68		10.54	10.54	6 / 2			
reaction time	interval					1.82	0.89		1.84		1.86		# of strides	4.13	2.71	
velocity				7.26		10.99	11.24		10.87		10.75	9.49		7.26	11.07	
<b>Hove Johnansen, Mattias (NOR)</b>	time			4.10		5.95	6.86		8.70		10.57	10.57	3 / 3			
reaction time	interval					1.85	0.91		1.84		1.87		# of strides	4.10	2.76	
velocity				7.32		10.81	10.99		10.87		10.70	9.46		7.32	10.87	
<b>Rogo, Desmond (SWE) (1996)</b>	time			4.10		5.95	6.86		8.73		10.65	10.65	4 / 4			
reaction time	interval					1.85	0.91		1.87		1.92		# of strides	4.10	2.76	
velocity				7.32		10.81	10.99		10.70		10.42	9.39		7.32	10.87	
<b>Darkwah, Tony (SWE) (1986)</b>	time			4.13		5.99	6.92		8.79		10.68	10.68	7 / 5			
reaction time	interval					1.86	0.93		1.87		1.89		# of strides	4.13	2.79	
velocity				7.26		10.75	10.75		10.70		10.58	9.36		7.26	10.75	
<b>Hellbratt, Douglas (SWE) (1995)</b>	time			4.11		6.01	6.94		8.82		10.73	10.73	8 / 6			
reaction time	interval					1.90	0.93		1.88		1.91		# of strides	4.11	2.83	
velocity				7.30		10.53	10.75		10.64		10.47	9.32		7.30	10.60	

**B FINAL**

date	30-Jul-17	wind	1.5 m/s	<i>(2017) - www.windsprint/Splittider/</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>de Oliveria, Nil (SWE) (1986)</b>	time			4.18		6.07	7.00		8.86		10.79	10.79	4 / 1			
reaction time	interval					1.89	0.93		1.86		1.93		# of strides	4.18	2.82	
velocity				7.18		10.58	10.75		10.75		10.36	9.27		7.18	10.64	
<b>Zirignon, Jean Christian (SWE) (1991)</b>	time			4.13		6.03	6.96		8.86		10.83	10.83	6 / 2			
reaction time	interval					1.90	0.93		1.90		1.97		# of strides	4.13	2.83	
velocity				7.26		10.53	10.75		10.53		10.15	9.23		7.26	10.60	
<b>Ojuri, Sunday (SWE) (1993)</b>	time			4.18		6.10	7.03		8.93		10.88	10.88	7 / 3			
reaction time	interval					1.92	0.93		1.90		1.95		# of strides	4.18	2.85	
velocity				7.18		10.42	10.75		10.53		10.26	9.19		7.18	10.53	
<b>Kapstad, Linus (SWE) (2000)</b>	time			4.17		6.10	7.03		8.94		10.90	10.90	3 / 4			

reaction time	interval		1.93	0.93	1.91	1.96		# of strides	4.17	2.86
	velocity	7.19	10.36	10.75	10.47	10.20	9.17		7.19	10.49
<b>Thornberg, Nils (SWE) (1994)</b>	time	4.17	6.10	7.03	8.96	10.94	10.94	5 / 5		
reaction time	interval		1.93	0.93	1.93	1.98		# of strides	4.17	2.86
	velocity	7.19	10.36	10.75	10.36	10.10	9.14		7.19	10.49
<b>Helsing, Yonathan (SWE) (1998)</b>	time	4.27	6.19	7.13	9.05	11.05	11.05	8 / 6		
reaction time	interval		1.92	0.94	1.92	2.00		# of strides	4.27	2.86
	velocity	7.03	10.42	10.64	10.42	10.00	9.05		7.03	10.49
<b>Motta, Oskar (SWE) (1998)</b>	time	4.27	6.23	7.18	9.11	11.10	11.10	2 / 7		
reaction time	interval		1.96	0.95	1.93	1.99		# of strides	4.27	2.91
	velocity	7.03	10.20	10.53	10.36	10.05	9.01		7.03	10.31

**C FINAL**

		date	30-Jul-17	wind 1.5 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
<b>Gjerstsen, Martin (NOR) (1993)</b>	time			4.14		6.10		7.07		9.00		11.02	11.02	2 / 1				
reaction time	interval					1.96		0.97		1.93		2.02	<b>PB</b>	# of strides	4.14	2.93		
	velocity			7.25		10.20		10.31		10.36		9.90	9.07		7.25	10.24		
<b>Sussoho, Amadou (SWE) (1995)</b>	time			4.24		6.21		7.18		9.10		11.12	11.12	5 / 2				
reaction time	interval					1.97		0.97		1.92		2.02		# of strides	4.24	2.94		
	velocity			7.08		10.15		10.31		10.42		9.90	8.99		7.08	10.20		
<b>Grønnhaug, Jonas (NOR) (1989)</b>	time			4.14		6.14		7.13		9.10		11.15	11.15	4 / 3				
reaction time	interval					2.00		0.99		1.97		2.05		# of strides	4.14	2.99		
	velocity			7.25		10.00		10.10		10.15		9.76	8.97		7.25	10.03		
<b>Thor, Viktor (SWE) (2000)</b>	time			4.20		6.24		7.26		9.22		11.28	11.28	6 / 4				
reaction time	interval					2.04		1.02		1.96		2.06		# of strides	4.20	3.06		
	velocity			7.14		9.80		9.80		10.20		9.71	8.87		7.14	9.80		
<b>Langjord, Marcus (NOR) (1996)</b>	time			4.25		6.24		7.22		9.20		11.29	11.29	3 / 5				
reaction time	interval					1.99		0.98		1.98		2.09		# of strides	4.25	2.97		
	velocity			7.06		10.05		10.20		10.10		9.57	8.86		7.06	10.10		
<b>Förrestig, Frank (SWE) (1998)</b>	time			4.30		6.35		7.35		9.35		11.46	11.46	8 / 6				
reaction time	interval					2.05		1.00		2.00		2.11		# of strides	4.30	3.05		
	velocity			6.98		9.76		10.00		10.00		9.48	8.73		6.98	9.84		
<b>Getahun, Kidus Yohannes (SWE)</b>	time			4.42		6.49		7.50		9.52		11.64	11.64	7 / 7				
reaction time	interval					2.07		1.01		2.02		2.12		# of strides	4.42	3.08		
	velocity			6.79		9.66		9.90		9.90		9.43	8.59		6.79	9.74		

**D FINAL**

		date	30-Jul-17	wind 1.2 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
<b>Movin, Andreas (SWE) (1996)</b>	time			4.25		6.24		7.22		9.21		11.27	11.27	5 / 1				
reaction time	interval					1.99		0.98		1.99		2.06		# of strides	4.25	2.97		
	velocity			7.06		10.05		10.20		10.05		9.71	8.87		7.06	10.10		
<b>Thor, William (SWE) (2000)</b>	time			4.30		6.31		7.32		9.34		11.42	11.42	6 / 2				
reaction time	interval					2.01		1.01		2.02		2.08		# of strides	4.30	3.02		
	velocity			6.98		9.95		9.90		9.90		9.62	8.76		6.98	9.93		
<b>Bäcke, Gabriel (SWE) (2000)</b>	time			4.38		6.37		7.37		9.39		11.50	11.50	3 / 3				
reaction time	interval					1.99		1.00		2.02		2.11		# of strides	4.38	2.99		
	velocity			6.85		10.05		10.00		9.90		9.48	8.70		6.85	10.03		

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

		date	30-Jul-17	wind -2.0 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
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time			3.92		6.69						9.53	10.51	10.51	5 / 1			
reaction time	0.122	interval				2.77						2.84	0.98	# of strides	3.92	2.77	2.84	
		velocity		7.65		10.83						10.56	10.20	9.51		7.65	10.83	10.56
<b>Tsakamoto, Justin Junpei (JPN) (2000)</b>	time			4.04		6.81						9.61	10.58	10.58	4 / 2			
reaction time	0.158	interval				2.77						2.80	0.97	# of strides	4.04	2.77	2.80	
		velocity		7.43		10.83						10.71	10.31	9.45		7.43	10.83	10.71
<b>Fukushima, Kiyoshi (JPN) (2000)</b>	time			4.01		6.81						9.64	10.64	10.64	6 / 3			
reaction time	0.138	interval				2.80						2.83	1.00	# of strides	4.01	2.80	2.83	
		velocity		7.48		10.71						10.60	10.00	9.40		7.48	10.71	10.60
<b>Uno, Daichi (JPN) (2000)</b>	time			4.05		6.88						9.74	10.73	10.73	7 / 4			
reaction time	0.132	interval				2.83						2.86	0.99	# of strides	4.05	2.83	2.86	





reaction time	interval	1.08	0.96	0.93	0.91	0.90	0.91	0.92	0.95	0.97	# of strides	3.92	2.74	2.78	
velocity	5.32	9.26	10.42	10.75	10.99	11.11	10.99	10.87	10.53	10.31	9.61	48.0	7.65	10.95	10.79

Heat 1

date 04-Jun-17 wind 2.9 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	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	1.92	2.99	3.94	4.85	5.74	6.62	7.49	8.37	9.26	10.17	/ 2				
reaction time	interval	1.07	0.95	0.91	0.89	0.88	0.87	0.88	0.89	0.91		# of strides	3.94	2.68	2.64	
	velocity	5.21	9.35	10.53	10.99	11.24	11.36	11.49	11.36	11.24	10.99	9.83	46.6	7.61	11.19	11.36
<b>Takase, Kei (JPN) (1988)</b>	time	1.87	2.95	3.91	4.83	5.73	6.63	7.53	8.45	9.38	10.33	/ 4				
reaction time	interval	1.08	0.96	0.92	0.90	0.90	0.90	0.92	0.93	0.95		# of strides	3.91	2.72	2.75	
	velocity	5.35	9.26	10.42	10.87	11.11	11.11	11.11	10.87	10.75	10.53	9.68	47.5	7.67	11.03	10.91

2017 Shimane High School Championships (Honshu, JPN)

FINAL

date 27-May-17 wind 2.1 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
<b>勝田 築</b>	time			4.10		6.80				10.77	10.77	7 / 1			
reaction time	interval					2.70				3.97		# of strides	4.10	2.70	
	velocity			7.32		11.11				10.08	9.29	48.5	7.32	11.11	
<b>門脇 陸</b>	time			4.10		6.90				10.80	10.80	5 / 2			
reaction time	interval					2.80				3.90		# of strides	4.10	2.80	
	velocity			7.32		10.71				10.26	9.26	50.5	7.32	10.71	
<b>松浦 優</b>	time			4.07		6.93				10.92	10.92	8 / 3			
reaction time	interval					2.86				3.99		# of strides	4.07	2.86	
	velocity			7.37		10.49				10.03	9.16	51.5	7.37	10.49	
<b>林 頼人</b>	time			4.13		6.97				10.93	10.93	6 / 4			
reaction time	interval					2.84				3.96		# of strides	4.13	2.84	
	velocity			7.26		10.56				10.10	9.15	50.5	7.26	10.56	
<b>桐原 勇斗</b>	time			4.10		7.00				10.99	10.99	4 / 5			
reaction time	interval					2.90				3.99		# of strides	4.10	2.90	
	velocity			7.32		10.34				10.03	9.10	52.5	7.32	10.34	

2017 Mikio Oda Memorial (Hiroshima, JPN)

FINAL

date 29-Apr-17 wind -0.3 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	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.81	2.86	3.81	4.72	5.60	6.47	7.35	8.23	9.13	10.04	10.04	/ 1			
reaction time	interval	1.05	0.95	0.91	0.88	0.87	0.88	0.88	0.90	0.91		# of strides	3.81	2.66	2.66	
	velocity	5.52	9.52	10.53	10.99	11.36	11.49	11.36	11.36	11.11	10.99	9.96	48.0	7.87	11.28	11.28

B FINAL

date 29-Apr-17 wind -0.3 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	
<b>Hirao, Yuki (JPN) (1996)</b>	time	1.87	2.95	3.93	4.87	5.79	6.71	7.62	8.54	9.46	10.41	10.41	/ 2			
reaction time	interval	1.08	0.98	0.94	0.92	0.92	0.91	0.92	0.92	0.95		# of strides	3.93	2.78	2.75	
	velocity	5.35	9.26	10.20	10.64	10.87	10.87	10.99	10.87	10.87	10.53	9.61	50.1	7.63	10.79	10.91

2017 SummerOfAths Grand Prix (Canberra, AUS)

FINAL

date 11-Mar-17 wind -0.1 m/s (2017) - tfdata-store.com/2017/03/12/post-46/

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Yamagata, Ryota (JPN) (1992)</b>	time					6.54				10.08	10.08	/ 1			
reaction time	interval									3.54		# of strides			
	velocity					9.17				11.30	9.92	48.2			

Race B

date 11-Mar-17 wind 1.4 m/s (2017) - tfdata-store.com/2017/03/12/post-46/

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time					6.56				10.04	10.04	/ 1			
reaction time	interval									3.48		# of strides			
	velocity					9.15				11.49	9.96	47.0			

Race C

date 11-Mar-17 wind 1.3 m/s (2017) - tfdata-store.com/2017/03/12/post-46/

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Yamagata, Ryota (JPN) (1992)</b>	time					6.52				10.06	10.06	/ 1			
reaction time	interval									3.54		# of strides			
	velocity					9.20				11.30	9.94	48.0			

2016 Olympic Games (Rio de Janeiro, BRA)

FINAL

date 14-Aug-16 wind 0.2 m/s Vazel (2020) - https://twitter.com/pjvazel/status/1297189365806817280?s=21

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bolt, Usain (JAM) (1986)</b>	time			3.84		6.41				8.08	9.81	9.81	6 / 1		
reaction time	0.155	interval				2.57				1.67		# of strides	3.84	2.57	
		velocity				7.81				11.67	11.98	11.56	41.2	7.81	11.67

Gatlin, Justin (USA) (1982)	0.152	no information available									9.89	4 / 2	# of strides	43.5
De Grasse, Andre (CAN) (1994)	0.141	no information available									<b>PB</b> 9.91	7 / 3	# of strides	46.5
Blake, Yohan (JAM) (1989)	0.145	no information available									9.93	9 / 4	# of strides	46.0
Simbine, Akani (RSA) (1993)	0.128	no information available									9.94	3 / 5	# of strides	46.2
Meité, Ben Youssef (CIV) (1986)	0.156	no information available									<b>NR PB</b> 9.96	8 / 6	# of strides	46.0
Vicaut, Jimmy (FRA) (1992)	0.140	no information available									10.04	5 / 7	# of strides	46.7
Bromell, Trayvon (USA) (1995)	0.135	no information available									10.06	2 / 8	# of strides	44.2

## 2016 Windsprint (Sundsvall, SWE)

## A FINAL

		date	31-Jul-16	wind	1.4 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
Kling-Baptiste, Tom (SWE) (1990)	time					4.02			6.74				10.42	10.42	4 / 1			
	reaction time								2.72				3.68		# of strides	4.02	2.72	
	velocity					7.46			11.03				10.87	9.60		7.46	11.03	
Darkwah, Tony (SWE) (1986)	time					4.07			6.72				10.55	10.55	5 / 2			
	reaction time								2.65				3.83		# of strides	4.07	2.65	
	velocity					7.37			11.32				10.44	9.48		7.37	11.32	
Ojuri, Sunday (SWE) (1993)	time					4.20			7.02				10.87	10.87	3 / 3			
	reaction time								2.82				3.85		# of strides	4.20	2.82	
	velocity					7.14			10.64				10.39	9.20		7.14	10.64	
Kjell, Gustav (SWE) (1996)	time					4.14			7.00				10.92	10.92	8 / 4			
	reaction time								2.86				3.92		# of strides	4.14	2.86	
	velocity					7.25			10.49				10.20	9.16		7.25	10.49	
Kapstad, Linus (SWE) (2000)	time					4.15			7.00				10.93	10.93	2 / 5			
	reaction time								2.85				3.93	<b>PB</b>	# of strides	4.15	2.85	
	velocity					7.23			10.53				10.18	9.15		7.23	10.53	
Helsing, Yonathan (SWE) (1998)	time					4.21			7.08				10.95	10.95	7 / 6			
	reaction time								2.87				3.87	<b>PB</b>	# of strides	4.21	2.87	
	velocity					7.13			10.45				10.34	9.13		7.13	10.45	
Wulff, Jonathan (SWE) (1994)	time					4.21			7.06				10.97	10.97	6 / 7			
	reaction time								2.85				3.91		# of strides	4.21	2.85	
	velocity					7.13			10.53				10.23	9.12		7.13	10.53	
Thornberg, Nils (SWE) (1994)	time					4.20			7.10				11.06	11.06	1 / 8			
	reaction time								2.90				3.96	<b>PB</b>	# of strides	4.20	2.90	
	velocity					7.14			10.34				10.10	9.04		7.14	10.34	

## B FINAL

		date	31-Jul-16	wind	0.6 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
Allison, Tarley (SWE) (1997)	time					4.23			7.16				11.14	11.14	4 / 1			
	reaction time								2.93				3.98		# of strides	4.23	2.93	
	velocity					7.09			10.24				10.05	8.98		7.09	10.24	
Gerlach, Mikael (SWE) (1984)	time					4.36			7.34				11.36	11.36	5 / 2			
	reaction time								2.98				4.02		# of strides	4.36	2.98	
	velocity					6.88			10.07				9.95	8.80		6.88	10.07	
Olofsson, Ludwig (SWE) (1998)	time					4.30			7.32				11.38	11.38	6 / 3			
	reaction time								3.02				4.06		# of strides	4.30	3.02	
	velocity					6.98			9.93				9.85	8.79		6.98	9.93	
Ekane, Fritz (SWE) (1990)	time					4.38			7.34				11.42	11.42	3 / 4			
	reaction time								2.96				4.08		# of strides	4.38	2.96	
	velocity					6.85			10.14				9.80	8.76		6.85	10.14	

## C FINAL

		date	31-Jul-16	wind	0.5 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
Nilsson, Anton (SWE) (1992)	time					4.33			7.32				11.41	11.41	3 / 1			
	reaction time								2.99				4.09		# of strides	4.33	2.99	
	velocity					6.93			10.03				9.78	8.76		6.93	10.03	
Nilsen, Erlend (SWE) (1992)	time					4.31			7.36				11.54	11.54	4 / 2			
	reaction time								3.05				4.18		# of strides	4.31	3.05	
	velocity					6.96			9.84				9.57	8.67		6.96	9.84	
Jonsson, Tobias (SWE) (1996)	time					4.34			7.38				11.58	11.58	5 / 3			
	reaction time								3.04				4.20		# of strides	4.34	3.04	
	velocity					6.91			9.87				9.52	8.64		6.91	9.87	
Jonsson, Per (SWE) (1988)	time					4.45			7.58				11.88	11.88	2 / 4			

reaction time	interval		3.13		4.30		# of strides	4.45	3.13
	velocity	6.74	9.58		9.30	8.42		6.74	9.58

**Heat 3**

date 31-Jul-16 wind 1.5 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
<b>Gerlach, Michael (SWE) (1984)</b>	time			4.32			7.25				11.18	11.18	3 / 1			
	reaction time						2.93				3.93		# of strides	4.32	2.93	
				6.94			10.24				10.18	8.94		6.94	10.24	
<b>Sandström, Emil (SWE) (2000)</b>	time			4.28			7.32				11.50	11.50	6 / 2			
	reaction time						3.04				4.18		# of strides	4.28	3.04	
				7.01			9.87				9.57	8.70		7.01	9.87	
<b>Nilsen, Erlend (SWE)</b>	time			4.33			7.39				11.56	11.56	4 / 3			
	reaction time						3.06				4.17		# of strides	4.33	3.06	
				6.93			9.80				9.59	8.65		6.93	9.80	
<b>Jonsson, Tobias (SWE) (1996)</b>	time			4.35			7.38				11.57	11.57	2 / 4			
	reaction time						3.03				4.19		# of strides	4.35	3.03	
				6.90			9.90				9.55	8.64		6.90	9.90	
<b>Samuelsson, Jakob (SWE) (1998)</b>	time			4.41			7.48				11.69	11.69	5 / 5			
	reaction time						3.07				4.21		# of strides	4.41	3.07	
				6.80			9.77				9.50	8.55		6.80	9.77	
<b>Jonsson, Per (SWE) (1988)</b>	time			4.43			7.53				11.80	11.80	1 / 6			
	reaction time						3.10				4.27		# of strides	4.43	3.10	
				6.77			9.68				9.37	8.47		6.77	9.68	
<b>Tømmervik, Sindre (NOR) (1997)</b>	time			4.53			7.72				12.04	12.04	7 / 7			
	reaction time						3.19				4.32		# of strides	4.53	3.19	
				6.62			9.40				9.26	8.31		6.62	9.40	

**Heat 2**

date 31-Jul-16 wind 0.7 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
<b>Kapstad, Linus (SWE) (2000)</b>	time			4.15			7.02				11.00	11.00	4 / 1			
	reaction time						2.87				3.98	=PB	# of strides	4.15	2.87	
				7.23			10.45				10.05	9.09		7.23	10.45	
<b>Helsing, Yonathan (SWE) (1998)</b>	time			4.21			7.08				11.03	11.03	5 / 2			
	reaction time						2.87				3.95	PB	# of strides	4.21	2.87	
				7.13			10.45				10.13	9.07		7.13	10.45	
<b>Thornberg, Nils (SWE) (1994)</b>	time			4.20			7.08				11.16	11.16	7 / 3			
	reaction time						2.88				4.08		# of strides	4.20	2.88	
				7.14			10.42				9.80	8.96		7.14	10.42	
<b>Allison, Tarley (SWE) (1997)</b>	time			4.21			7.12				11.18	11.18	3 / 4			
	reaction time						2.91				4.06		# of strides	4.21	2.91	
				7.13			10.31				9.85	8.94		7.13	10.31	
<b>Ekane, Fritz (SWE) (1990)</b>	time			4.27			7.20				11.29	11.29	2 / 5			
	reaction time						2.93				4.09		# of strides	4.27	2.93	
				7.03			10.24				9.78	8.86		7.03	10.24	
<b>Berggren, Marcus (SWE) (1996)</b>	time			4.32			7.31				11.38	11.38	6 / 6			
	reaction time						2.99				4.07		# of strides	4.32	2.99	
				6.94			10.03				9.83	8.79		6.94	10.03	
<b>Olofsson, Ludwig (SWE) (1998)</b>	time			4.30			7.31				11.49	11.49	1 / 7			
	reaction time						3.01				4.18		# of strides	4.30	3.01	
				6.98			9.97				9.57	8.70		6.98	9.97	
<b>Nilsson, Anton (SWE) (1992)</b>	time			4.40			7.42				11.60	11.60	8 / 8			
	reaction time						3.02				4.18		# of strides	4.40	3.02	
				6.82			9.93				9.57	8.62		6.82	9.93	

**Heat 1**

date 31-Jul-16 wind 0.7 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
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time			4.02			6.75				10.46	10.46	4 / 1			
	reaction time						2.73				3.71		# of strides	4.02	2.73	
				7.46			10.99				10.78	9.56		7.46	10.99	
<b>Darkwah, Tony (SWE) (1986)</b>	time			4.07			6.83				10.56	10.56	5 / 2			
	reaction time						2.76				3.73		# of strides	4.07	2.76	
				7.37			10.87				10.72	9.47		7.37	10.87	

<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time	4.11	6.98	10.84	10.84	2 / 3			
	reaction time		interval	2.87	3.86	# of strides	4.11	2.87	
	velocity	7.30	10.45	10.36	9.23	7.30	10.45		
<b>Lilja, Johan (SWE) (1995)</b>	time	4.18	7.02	10.90	10.90	7 / 4			
	reaction time		interval	2.84	3.88	# of strides	4.18	2.84	
	velocity	7.18	10.56	10.31	9.17	7.18	10.56		
<b>Ojuri, Sunday (SWE) (1993)</b>	time	4.21	7.06	10.93	10.93	8 / 5			
	reaction time		interval	2.85	3.87	# of strides	4.21	2.85	
	velocity	7.13	10.53	10.34	9.15	7.13	10.53		
<b>Wulff, Jonathan (SWE) (1994)</b>	time	4.20	7.04	10.97	10.97	1 / 6			
	reaction time		interval	2.84	3.93	# of strides	4.20	2.84	
	velocity	7.14	10.56	10.18	9.12	7.14	10.56		
<b>Armfeldt, Carl (SWE) (1984)</b>	time	4.21	7.05	11.01	11.01	6 / 7			
	reaction time		interval	2.84	3.96	# of strides	4.21	2.84	
	velocity	7.13	10.56	10.10	9.08	7.13	10.56		
<b>Kjell, Gustaf (SWE) (1996)</b>	time	4.15	7.04	11.07	11.07	3 / 8			
	reaction time		interval	2.89	4.03	# of strides	4.15	2.89	
	velocity	7.23	10.38	9.93	9.03	7.23	10.38		

### 2016 Japanese National High School Championships (Okayama, JPN)

#### FINAL

date 30-Jul-16 wind 3.0 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
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time	2.90	3.94	4.90	5.83	6.74	7.69	8.65			10.61	10.61	/ 1			
	reaction time	0.138	interval	1.04	0.96	0.93	0.91	0.95	0.96		1.96		# of strides	3.94	2.80	
	velocity	6.90	9.62	10.42	10.75	10.99	10.53	10.42			10.20	9.43	7.61	10.71		
<b>Matsuo, Takamasa (JPN) (1998)</b>	time	2.95	4.01	4.97	5.91	6.87	7.82	8.77			10.72	10.72	/ 2			
	reaction time	0.129	interval	1.06	0.96	0.94	0.96	0.95	0.95		1.95		# of strides	4.01	2.86	
	velocity	6.78	9.43	10.42	10.64	10.42	10.53	10.53			10.26	9.33	7.48	10.49		
<b>Tamura, Kazuki (JPN) (1998)</b>	time	2.96	4.03	4.99	5.93	6.89	7.84	8.80			10.78	10.78	/ 3			
	reaction time	0.153	interval	1.07	0.96	0.94	0.96	0.95	0.96		1.98		# of strides	4.03	2.86	
	velocity	6.76	9.35	10.42	10.64	10.42	10.53	10.42			10.10	9.28	7.44	10.49		
<b>Sano, Yo (JPN) (1999)</b>	time	2.95	4.02	5.00	5.95	6.90	7.85	8.83			10.82	10.82	/ 4			
	reaction time	0.137	interval	1.07	0.98	0.95	0.95	0.95	0.98		1.99		# of strides	4.02	2.88	
	velocity	6.78	9.35	10.20	10.53	10.53	10.53	10.20			10.05	9.24	7.46	10.42		
<b>Saito, Isami (JPN) (1999)</b>	time	3.00	4.08	5.07	6.02	6.97	7.92	8.87			10.84	10.84	/ 5			
	reaction time	0.128	interval	1.08	0.99	0.95	0.95	0.95	0.95		1.97		# of strides	4.08	2.89	
	velocity	6.67	9.26	10.10	10.53	10.53	10.53	10.53			10.15	9.23	7.35	10.38		
<b>Kuroki, Motoki (JPN) (1999)</b>	time	2.92	3.99	4.98	5.91	6.87	7.84	8.83			10.88	10.88	/ 6			
	reaction time		interval	1.07	0.99	0.93	0.96	0.97	0.99		2.05		# of strides	3.99	2.88	
	velocity	6.85	9.35	10.10	10.75	10.42	10.31	10.10			9.76	9.19	7.52	10.42		
<b>Nakawaki Yuya (JPN) (1998)</b>	time	2.96	4.05	5.05	6.01	6.96	7.93	8.90			10.89	10.89	/ 7			
	reaction time	0.141	interval	1.09	1.00	0.96	0.95	0.97	0.97		1.99		# of strides	4.05	2.91	
	velocity	6.76	9.17	10.00	10.42	10.53	10.31	10.31			10.05	9.18	7.41	10.31		
<b>Nakazawa, Yuya (JPN)</b>	time	2.95	4.02	5.01	5.97	6.95	7.91	8.91			10.93	10.93	/ 8			
	reaction time		interval	1.07	0.99	0.96	0.98	0.96	1.00		2.02		# of strides	4.02	2.93	
	velocity	6.78	9.35	10.10	10.42	10.20	10.42	10.00			9.90	9.15	7.46	10.24		

### 2016 Japanese National Championships (Nagoya, JPN)

#### FINAL

date 25-Jun-16 wind -0.3 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	
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.89	2.96	3.91	4.82	5.70	6.58	7.46	8.35	9.25	10.16	10.16	5 / 1				
	reaction time	0.139	interval	1.07	0.95	0.91	0.88	0.88	0.88	0.89	0.90	0.91		# of strides	3.91	2.67	2.67
	velocity	5.29	9.35	10.53	10.99	11.36	11.36	11.36	11.24	11.11	10.99	9.84	47.0	7.67	11.24	11.24	
<b>Yamagata, Ryoto (JPN) (1992)</b>	time	1.86	2.92	3.86	4.76	5.65	6.54	7.43	8.33	9.25	10.17	10.17	4 / 2				
	reaction time	0.139	interval	1.06	0.94	0.90	0.89	0.89	0.90	0.92	0.92		# of strides	3.86	2.68	2.71	
	velocity	5.38	9.43	10.64	11.11	11.24	11.24	11.24	11.11	10.87	10.87	9.83	49.0	7.77	11.19	11.07	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.88	2.93	3.88	4.78	5.68	6.57	7.47	8.38	9.32	10.31	10.31	6 / 3				
	reaction time	0.141	interval	1.05	0.95	0.90	0.89	0.90	0.91	0.94	0.99		# of strides	3.88	2.69	2.75	
	velocity	5.32	9.52	10.53	11.11	11.11	11.24	11.11	10.99	10.64	10.10	9.70	48.2	7.73	11.15	10.91	

#### Semi-Final 2

date 24-Jun-16 wind -1.4 m/s

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



	velocity	5.26	9.52	10.53	11.11	11.24	11.24	11.24	10.99	10.75	10.42	9.74	47.9	7.69	11.19	10.99
<b>Sani Brown, Abdul Hakim (JPN) (1time)</b>	time	1.92	2.99	3.95	4.86	5.76	6.65	7.55	8.46	9.39	10.34	10.34	3 / 5			
reaction time	interval		1.07	0.96	0.91	0.90	0.89	0.90	0.91	0.93	0.95		# of strides	3.95	2.70	2.74
	velocity	5.21	9.35	10.42	10.99	11.11	11.24	11.11	10.99	10.75	10.53	9.67	44.8	7.59	11.11	10.95

## 2016 Hürden-und Sprintmeeting (Basel, SUI)

## FINAL

	date	07-May-16	wind	0.9 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	
<b>Wilson, Alex (SUI) (1990)</b>	time					5.83					10.35	10.35	/ 1				
reaction time	interval										4.52		# of strides				
	velocity					8.58					11.06	9.66					
<b>Mouthon, Bastien (SUI) (1994)</b>	time					5.88					10.46	10.46	/ 2				
reaction time	interval										4.58		# of strides				
	velocity					8.50					10.92	9.56					
<b>Fongué, Rolf (SUI) (1987)</b>	time					5.92					10.75	10.75	/ 3				
reaction time	interval										4.83		# of strides				
	velocity					8.45					10.35	9.30					

## 2016 Wakayama Grand Prix (Wakayama, JPN)

## Decathlon - Heat 2

	date	30-Apr-16	wind	-1.3 m/s	Toshiyuki (2016) - 100m race analysis of decathletes - 2009-2016												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.02	3.14	4.16	5.17	6.16	7.16	8.17	9.20	10.25	11.32	11.32	5 / 3				
reaction time	interval		1.12	1.02	1.01	0.99	1.00	1.01	1.03	1.05	1.07		# of strides	4.16	3.00	3.09	
	velocity	4.95	8.93	9.80	9.90	10.10	10.00	9.90	9.71	9.52	9.35	8.83		7.21	10.00	9.71	

## Decathlon - Heat 1

	date	30-Apr-16	wind	-0.1 m/s	Toshiyuki (2016) - 100m race analysis of decathletes - 2009-2016												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.95	3.03	4.02	4.98	5.92	6.87	7.81	8.77	9.75	10.75	10.75	4 / 1				
reaction time	interval		1.08	0.99	0.96	0.94	0.95	0.94	0.96	0.98	1.00		# of strides	4.02	2.85	2.88	
	velocity	5.13	9.26	10.10	10.42	10.64	10.53	10.64	10.42	10.20	10.00	9.30		7.46	10.53	10.42	

## 2016 Mikio Oda Memorial (Hiroshima, JPN)

## FINAL

	date	29-Apr-16	wind	-2.5 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	
<b>Yamagata, Ryota (JPN) (1992)</b>	time	1.80	2.85	3.82	4.76	5.66	6.56	7.47	8.39	9.33	10.27	10.27	3 / 1				
reaction time	interval		1.05	0.97	0.94	0.90	0.90	0.91	0.92	0.94	0.94		# of strides	3.82	2.74	2.77	
	velocity	5.56	9.52	10.31	10.64	11.11	11.11	10.99	10.87	10.64	10.64	9.74		49.3	7.85	10.95	

## Heat 2

	date	29-Apr-16	wind	-0.4 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	
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.97	3.03	3.99	4.90	5.80	6.69	7.59	8.48	9.40	10.33	10.33	5 / 1				
reaction time	0.150 interval		1.06	0.96	0.91	0.90	0.89	0.90	0.89	0.92	0.93		# of strides	3.99	2.70	2.71	
	velocity	5.08	9.43	10.42	10.99	11.11	11.24	11.11	11.24	10.87	10.75	9.68		47.0	7.52	11.11	

## 2015 IAAF World Championships (Beijing, CHN)

## FINAL

	date	23-Aug-15	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	
<b>Bolt, Usain (JAM) (1986)</b>		0.159	no information available									9.79	5 / 1	# of strides	41.2		
<b>Gatlin, Justin (USA) (1982)</b>		0.165	no information available									9.80	7 / 2	# of strides	43.0		
<b>Bromell, Trayvon (USA) (1995)</b>		0.135	no information available									9.92	3 / 3	# of strides	46.7		
<b>De Grasse, Andre (CAN) (1994)</b>		0.136	no information available														
<b>Rodgers, Mike (USA) (1985)</b>		0.139	no information available														
<b>Gay, Tyson (USA) (1982)</b>		0.128	no information available														
<b>Powell, Asafa (JAM) (1982)</b>		0.144	no information available														
<b>Vicaut, Jimmy (FRA) (1992)</b>		0.170	no information available														
<b>Su Bingtian (CHN) (1989)</b>		0.175	no information available														

## 2015 Japanese National High School Championships (Wakayama, JPN)

## FINAL

	date	30-Jul-15	wind	-0.8 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	
<b>Oshima, Kenta (JPN) (1997)</b>	time			3.90	4.82	5.75	6.63	7.53	8.41	9.35	10.29	10.29	/ 1				
reaction time	interval				0.92	0.93	0.88	0.90	0.88	0.94	0.94		# of strides	3.90	2.73	2.72	
	velocity			7.69	10.87	10.75	11.36	11.11	11.36	10.64	10.64	9.72		7.69	10.99	11.03	
<b>Sani Brown, Abdul Hakim (JPN) (1time)</b>	time			3.92	4.84	5.78	6.66	7.55	8.44	9.37	10.30	10.30	/ 2				
reaction time	interval				0.92	0.94	0.88	0.89	0.89	0.93	0.93		# of strides	3.92	2.74	2.71	
	velocity			7.65	10.87	10.64	11.36	11.24	11.24	10.75	10.75	9.71		7.65	10.95	11.07	
<b>Katsuse, Kendai (JPN) (1997)</b>	time			3.92	4.87	5.81	6.71	7.62	8.55	9.50	10.48	10.48	/ 3				
reaction time	interval				0.95	0.94	0.90	0.91	0.93	0.95	0.98		# of strides	3.92	2.79	2.79	
	velocity			7.65	10.53	10.64	11.11	10.99	10.75	10.53	10.20	9.54		7.65	10.75	10.75	

<b>Yamashita, Jun (JPN) (1997)</b>	time	4.05	4.99	5.96	6.86	7.78	8.70	9.65	10.63	10.63	/ 4			
	reaction time	interval		0.94	0.97	0.90	0.92	0.92	0.95	0.98	# of strides	4.05	2.81	2.79
	velocity	7.41	10.64	10.31	11.11	10.87	10.87	10.53	10.20	9.41		7.41	10.68	10.75
<b>Someya, Yoshihiro (JPN) (1998)</b>	time	4.00	4.94	5.92	6.85	7.79	8.72	9.70	10.68	10.68	/ 5			
	reaction time	interval		0.94	0.98	0.93	0.94	0.93	0.98	0.98	# of strides	4.00	2.85	2.85
	velocity	7.50	10.64	10.20	10.75	10.64	10.75	10.20	10.20	9.36		7.50	10.53	10.53
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time	4.03	4.97	5.97	6.86	7.78	8.72	9.70	10.70	10.70	/ 6			
	reaction time	interval		0.94	1.00	0.89	0.92	0.94	0.98	1.00	# of strides	4.03	2.83	2.84
	velocity	7.44	10.64	10.00	11.24	10.87	10.64	10.20	10.00	9.35		7.44	10.60	10.56
<b>Masuda, Kengo (JPN) (1997)</b>	time	4.02	4.97	5.97	6.89	7.83	8.77	9.75	10.73	10.73	/ 7			
	reaction time	interval		0.95	1.00	0.92	0.94	0.94	0.98	0.98	# of strides	4.02	2.87	2.86
	velocity	7.46	10.53	10.00	10.87	10.64	10.64	10.20	10.20	9.32		7.46	10.45	10.49
<b>Tamura, Naoya (JPN) (1998)</b>	time	4.00	4.96	5.97	6.89	7.83	8.78	9.77	10.76	10.76	/ 8			
	reaction time	interval		0.96	1.01	0.92	0.94	0.95	0.99	0.99	# of strides	4.00	2.89	2.88
	velocity	7.50	10.42	9.90	10.87	10.64	10.53	10.10	10.10	9.29		7.50	10.38	10.42

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

date		26-Jul-15		wind 1.0 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
<b>Tracey, Tyquendo (JAM) (1993)</b>	time			3.98			6.68		8.47		10.31	10.31	5 / 1			
	reaction time	interval					2.70		1.79		1.84		# of strides	3.98	2.70	
	velocity	7.54					11.11		11.17		10.87	9.70		7.54	11.11	
<b>Brown, Kemarley (JAM) (1992)</b>	time			3.99			6.70		8.51		10.43	10.43	4 / 2			
	reaction time	interval					2.71		1.81		1.92		# of strides	3.99	2.71	
	velocity	7.52					11.07		11.05		10.42	9.59		7.52	11.07	
<b>Rose, Odain (SWE) (1992)</b>	time			3.97			6.73		8.55		10.46	10.46	8 / 3			
	reaction time	interval					2.76		1.82		1.91		# of strides	3.97	2.76	
	velocity	7.56					10.87		10.99		10.47	9.56		7.56	10.87	
<b>Bah, Sulayman (SWE) (1986)</b>	time			3.98			6.74		8.57		10.51	10.51	3 / 4			
	reaction time	interval					2.76		1.83		1.94		# of strides	3.98	2.76	
	velocity	7.54					10.87		10.93		10.31	9.51		7.54	10.87	
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time			4.00			6.78		8.63		10.52	10.52	2 / 5			
	reaction time	interval					2.78		1.85		1.89		# of strides	4.00	2.78	
	velocity	7.50					10.79		10.81		10.58	9.51		7.50	10.79	
<b>de Oliveira, Nil (SWE) (1986)</b>	time			4.08			6.89		8.75		10.66	10.66	6 / 6			
	reaction time	interval					2.81		1.86		1.91		# of strides	4.08	2.81	
	velocity	7.35					10.68		10.75		10.47	9.38		7.35	10.68	
<b>Brorson, Alexander (SWE) (1990)</b>	time			4.07			6.90		8.88		11.14	11.14	7 / 7			
	reaction time	interval					2.83		1.98		2.26		# of strides	4.07	2.83	
	velocity	7.37					10.60		10.10		8.85	8.98		7.37	10.60	

**B 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
<b>Groth, Joel (SWE) (1991)</b>	time			4.05			6.81		8.64		10.51	10.51	1 / 1			
	reaction time	interval					2.76		1.83		1.87		# of strides	4.05	2.76	
	velocity	7.41					10.87		10.93		10.70	9.51		7.41	10.87	
<b>Andersson, Partik (SWE) (1991)</b>	time			4.05			6.82		8.67		10.56	10.56	4 / 2			
	reaction time	interval					2.77		1.85		1.89		# of strides	4.05	2.77	
	velocity	7.41					10.83		10.81		10.58	9.47		7.41	10.83	
<b>Armfeldt, Carl (SWE) (1984)</b>	time			4.10			6.91		8.79		10.72	10.72	7 / 3			
	reaction time	interval					2.81		1.88		1.93		# of strides	4.10	2.81	
	velocity	7.32					10.68		10.64		10.36	9.33		7.32	10.68	
<b>Marthinussen, Christian (NOR) (1984)</b>	time			4.11			6.91		8.79		10.75	10.75	3 / 4			
	reaction time	interval					2.80		1.88		1.96	<b>PB</b>	# of strides	4.11	2.80	
	velocity	7.30					10.71		10.64		10.20	9.30		7.30	10.71	
<b>Brusenback, Christoffer (SWE) (1984)</b>	time			4.11			6.91		8.82		10.77	10.77	5 / 5			
	reaction time	interval					2.80		1.91		1.95		# of strides	4.11	2.80	
	velocity	7.30					10.71		10.47		10.26	9.29		7.30	10.71	
<b>Sennung, David (SWE) (1991)</b>	time			4.06			6.92		8.84		10.78	10.78	6 / 6			
	reaction time	interval					2.86		1.92		1.94		# of strides	4.06	2.86	
	velocity	7.39					10.49		10.42		10.31	9.28		7.39	10.49	



<b>Buhagen, Kristoffer (NOR) (1992)</b>	time	4.10	6.91	8.83	10.83	10.83	2 / 7											
	reaction time		interval	2.81	1.92	2.00	# of strides	4.10	2.81									
		7.32	velocity	10.68	10.42	10.00		7.32	10.68									

**C FINAL**

date 26-Jul-15 wind 0.6 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

<b>Zirignon, Jean Christian (SWE) (1991)</b>	time	4.07	6.90	8.82	10.80	10.80	6 / 1											
	reaction time		interval	2.83	1.92	1.98	# of strides	4.07	2.83									
		7.37	velocity	10.60	10.42	10.10		7.37	10.60									

<b>Ojuri, Sunday (SWE) (1993)</b>	time	6.98	10.80	10.80	4 / 2													
	reaction time		interval	3.82	# of strides													
		8.60	velocity	10.47	9.26													

<b>Storhaug, Lars Jøran (NOR) (1989)</b>	time	7.01	10.83	10.83	5 / 3													
	reaction time		interval	3.82	# of strides													
		8.56	velocity	10.47	9.23													

<b>Lysne, Torbørn (NOR) (1991)</b>	time	7.06	10.87	10.87	5 / 4													
	reaction time		interval	3.81	# of strides													
		8.50	velocity	10.50	9.20													

<b>Rasmussen Osazuwa, Peter Efe (NOR) (1995)</b>	time	7.04	10.94	10.94	7 / 5													
	reaction time		interval	3.90	# of strides													
		8.52	velocity	10.26	9.14													

<b>Ewertzh, Jacob (SWE) (1995)</b>	time	7.01	10.96	10.96	8 / 6													
	reaction time		interval	3.95	# of strides													
		8.56	velocity	10.13	9.12													

<b>Rosenberg, Michael (NOR) (1990)</b>	time	6.94	10.99	10.99	2 / 7													
	reaction time		interval	4.05	# of strides													
		8.65	velocity	9.88	9.10													

**D 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

<b>Tjelta Larsen, Simen (NOR) (1994)</b>	time	4.21	7.05	8.96	10.91	10.91	2 / 1											
	reaction time		interval	2.84	1.95	1.95	# of strides	4.21	2.84									
		7.13	velocity	10.56	10.47	10.26		7.13	10.56									

<b>Morken, Håkon (NOR) (1993)</b>	time	7.14	9.08	10.99	10.99	6 / 2												
	reaction time		interval	1.94	# of strides													
		8.40	velocity	10.31	10.47	9.10												

<b>Touray, Ousman (NOR) (1995)</b>	time	7.13	9.09	11.08	11.08	5 / 3												
	reaction time		interval	1.96	# of strides													
		8.42	velocity	10.20	10.05	9.03												

<b>Larsen, Tormod Hjortnäs (NOR) (1995)</b>	time	7.13	9.11	11.12	11.12	4 / 4												
	reaction time		interval	1.98	# of strides													
		8.42	velocity	10.10	9.95	8.99												

<b>Fossøy, Jostein Joshua (NOR) (1995)</b>	time	7.09	9.08	11.12	11.12	3 / 5												
	reaction time		interval	1.99	# of strides													
		8.46	velocity	10.05	9.80	8.99												

<b>Kåstad, Martin (NOR) (1990)</b>	time	7.33	9.33	11.31	11.31	8 / 6												
	reaction time		interval	2.00	# of strides													
		8.19	velocity	10.00	10.10	8.84												

<b>Meyerdierks, Eddy (SWE) (1995)</b>	time	7.25	9.32	11.41	11.41	7 / 7												
	reaction time		interval	2.07	# of strides													
		8.28	velocity	9.66	9.57	8.76												

**E FINAL**

date 26-Jul-15 wind 1.1 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

<b>Lesser, Alexander (SWE) (1993)</b>	time	4.14	7.01	8.93	10.86	10.86	4 / 1											
	reaction time		interval	2.87	1.93	<b>PB</b>	# of strides	4.14	2.87									
		7.25	velocity	10.45	10.42	10.36		7.25	10.45									

<b>Hellbrat, Douglas (SWE) (1995)</b>	time	4.18	7.13	9.09	11.07	11.07	6 / 2											
	reaction time		interval	2.95	1.96	1.98	# of strides	4.18	2.95									
		7.18	velocity	10.17	10.20	10.10		7.18	10.17									

<b>Helsing, Yonathan (SWE) (1998)</b>	time	4.20	7.21	9.19	11.22	11.22	2 / 3											
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reaction time	interval		3.01	1.98	2.03		# of strides	4.20	3.01
	velocity	7.14	9.97	10.10	9.85	8.91		7.14	9.97
<b>Dang, Joakim (NOR) (1990)</b>	time	4.17	7.13	9.18	11.31	11.31	7 / 4		
reaction time	interval		2.96	2.05	2.13		# of strides	4.17	2.96
	velocity	7.19	10.14	9.76	9.39	8.84		7.19	10.14
<b>Glide, Vebjörn (NOR) (1993)</b>	time	4.22	7.28	9.33	11.41	11.41	8 / 5		
reaction time	interval		3.06	2.05	2.08		# of strides	4.22	3.06
	velocity	7.11	9.80	9.76	9.62	8.76		7.11	9.80
<b>Obiora, Nzimirro (NOR) (1994)</b>	time	4.25	7.49		11.85	11.85	3 / 6		
reaction time	interval		3.24		4.36		# of strides	4.25	3.24
	velocity	7.06	9.26		9.17	8.44		7.06	9.26

## 2015 Areva Diamond League Meeting (Saint-Denis, FRA)

## FINAL

	date	04-Jul-15	wind	1.3 m/s	Vazel (2015) - <a href="http://vazel.blog.lemonde.fr/2015/07/06/jimmy-vicaut-son-record-deurope-du-100-m-a-la-loupe/">http://vazel.blog.lemonde.fr/2015/07/06/jimmy-vicaut-son-record-deurope-du-100-m-a-la-loupe/</a>												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Powell, Asafa (JAM) (1982)</b>	time				3.81			6.37		8.07		9.81	9.81	4 / 1			
reaction time	interval							2.56		1.70		1.74		# of strides	3.81	2.56	
	velocity				7.87			11.72		11.76		11.49	10.19		44.2	7.87	11.72
<b>Vicaut, Jimmy (FRA) (1992)</b>	time				3.87			6.44		8.13		9.86	9.86	3 / 2			
reaction time	interval							2.57		1.69		1.73	=AR	# of strides	3.87	2.57	
	velocity				7.75			11.67		11.83		11.56	10.14		45.2	7.75	11.67

## 2015 Japanese National Multi-Event Championships (Nagano, JPN)

## Decathlon - Heat ??

	date	04-Jul-15	wind	0.3 m/s	Toshiyuki (2016) - 100m race analysis of decathletes - 2009-2016												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time		2.07	3.19	4.22	5.21	6.20	7.19	8.19	9.22	10.27	11.35	11.35	??			
reaction time	interval				1.12	1.03	0.99	0.99	1.00	1.03	1.05	1.08		# of strides	4.22	2.97	3.08
	velocity		4.83	8.93	9.71	10.10	10.10	10.10	10.00	9.71	9.52	9.26	8.81		7.11	10.10	9.74

## Decathlon - Heat ??

	date	04-Jul-15	wind	1.2 m/s	Toshiyuki (2016) - 100m race analysis of decathletes - 2009-2016												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Nakamura, Akihiko (JPN) (1990)</b>	time		1.97	3.05	4.03	4.98	5.92	6.85	7.78	8.74	9.70	10.71	10.71	??			
reaction time	interval				1.08	0.98	0.95	0.94	0.93	0.96	0.96	1.01		# of strides	4.03	2.82	2.85
	velocity		5.08	9.26	10.20	10.53	10.64	10.75	10.75	10.42	10.42	9.90	9.34		7.44	10.64	10.53

## 2015 Japanese National Championships (Niigata, JPN)

## FINAL

	date	28-Jun-15	wind	-0.9 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
<b>Takase, Kei (JPN) (1988)</b>	time		1.93	2.97	3.91	4.81	5.71	6.60	7.50	8.41	9.33	10.28	10.28	5 / 1			
reaction time	0.144 interval				1.04	0.94	0.90	0.90	0.89	0.90	0.91	0.92	0.95	# of strides	3.91	2.69	2.73
	velocity		5.18	9.62	10.64	11.11	11.11	11.24	11.11	10.99	10.87	10.53	9.73		48.0	7.67	11.15
<b>Sani Brown, Abdul Hakim (JPN) (1989)</b>	time		1.87	2.98	3.93	4.85	5.76	6.67	7.58	8.51	9.44	10.40	10.40	2 / 2			
reaction time	0.159 interval				1.11	0.95	0.92	0.91	0.91	0.91	0.93	0.93	0.96	# of strides	3.93	2.74	2.77
	velocity		5.35	9.01	10.53	10.87	10.99	10.99	10.99	10.75	10.75	10.42	9.62		44.0	7.63	10.95
<b>Kawatsura, Sota (JPN) (1989)</b>	time		1.89	2.96	3.92	4.85	5.76	6.68	7.59	8.51	9.44	10.40	10.40	3 / 3			
reaction time	0.149 interval				1.07	0.96	0.93	0.91	0.92	0.91	0.92	0.93	0.96	# of strides	3.92	2.76	2.76
	velocity		5.29	9.35	10.42	10.75	10.99	10.87	10.99	10.87	10.75	10.42	9.62		50.5	7.65	10.87

## Heat 5

	date	27-Jun-15	wind	0.7 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
<b>Onabuta, Yu (JPN) (1994)</b>	time		1.92	2.99	3.95	4.88	5.79	6.69	7.59	8.51	9.43	10.39	10.39	5 / 2			
reaction time	0.130 interval				1.07	0.96	0.93	0.91	0.90	0.90	0.92	0.92	0.96	# of strides	3.95	2.74	2.74
	velocity		5.21	9.35	10.42	10.75	10.99	11.11	11.11	10.87	10.87	10.42	9.62		51.0	7.59	10.95

## Heat 4

	date	27-Jun-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
<b>Kotani, Yusuke (JPN) (1989)</b>	time		1.89	2.94	3.89	4.80	5.71	6.61	7.51	8.43	9.36	10.31	10.31	2 / 1			
reaction time	0.126 interval				1.05	0.95	0.91	0.91	0.90	0.90	0.92	0.93	0.95	# of strides	3.89	2.72	2.75
	velocity		5.29	9.52	10.53	10.99	10.99	11.11	11.11	10.87	10.75	10.53	9.70		50.0	7.71	11.03
<b>Kawatsura, Sota (JPN) (1989)</b>	time		1.91	2.97	3.92	4.84	5.75	6.65	7.57	8.49	9.43	10.39	10.39	6 / 3			
reaction time	0.152 interval				1.06	0.95	0.92	0.91	0.90	0.92	0.92	0.94	0.96	# of strides	3.92	2.73	2.78
	velocity		5.24	9.43	10.53	10.87	10.99	11.11	10.87	10.87	10.64	10.42	9.62		50.2	7.65	10.99

## Heat 3

	date	27-Jun-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
<b>Tsukahara, Noaki (JPN) (1985)</b>	time		1.91	2.97	3.93	4.84	5.74	6.64	7.55	8.47	9.40	10.35	10.35	3 / 1			
reaction time	0.155 interval				1.06	0.96	0.91	0.90	0.90	0.91	0.92	0.93	0.95	# of strides	3.93	2.71	2.76
	velocity		5.24	9.43	10.42	10.99	11.11	11.11	10.99	10.87	10.75	10.53	9.66		47.0	7.63	11.07

<b>Cambridge, Aska (JPN) (1993)</b>	time	1.95	3.00	3.95	4.86	5.76	6.66	7.56	8.48	9.40	10.37	10.37	5 / 2				
reaction time	0.160	interval	1.05	0.95	0.91	0.90	0.90	0.90	0.92	0.92	0.97		# of strides	3.95	2.71	2.74	
		velocity	5.13	9.52	10.53	10.99	11.11	11.11	11.11	10.87	10.87	10.31	9.64	46.2	7.59	11.07	10.95

**Heat 1**

	date	27-Jun-15	wind	-0.7 m/s	<i>Matsuo (2015) - 2015 men's &amp; women's 100m race analysis</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Takase, Kei (JPN) (1988)</b>	time	1.96	3.01	3.96	4.88	5.78	6.68	7.60	8.51	9.44	10.40	10.40	5 / 1				
reaction time	0.143	interval	1.05	0.95	0.92	0.90	0.90	0.92	0.91	0.93	0.96		# of strides	3.96	2.72	2.76	
		velocity	5.10	9.52	10.53	10.87	11.11	11.11	10.87	10.99	10.75	10.42	9.62	46.7	7.58	11.03	10.87

**2015 Seiko Golden Grand Prix (Kawasaki, JPN)****FINAL**

	date	10-May-15	wind	-0.1 m/s	<i>Matsuo (2015) - 2015 men's &amp; women's 100m race analysis</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Koffi, Wilfried (CIV) (1987)</b>	time	1.98	3.01	3.94	4.83	5.70	6.56	7.43	8.31	9.20	10.09	10.09	3 / 1				
reaction time		interval	1.03	0.93	0.89	0.87	0.86	0.87	0.88	0.89	0.89		# of strides	3.94	2.62	2.64	
		velocity	5.05	9.71	10.75	11.24	11.49	11.63	11.49	11.36	11.24	11.24	9.91	44.5	7.61	11.45	11.36
<b>Takase, Kei (JPN) (1988)</b>	time	1.89	2.93	3.87	4.76	5.62	6.50	7.38	8.27	9.17	10.09	10.09	6 / 2				
reaction time		interval	1.04	0.94	0.89	0.86	0.88	0.88	0.89	0.90	0.92	<b>PB</b>	# of strides	3.87	2.63	2.67	
		velocity	5.29	9.62	10.64	11.24	11.63	11.36	11.36	11.24	11.11	10.87	9.91	48.0	7.75	11.41	11.24
<b>Su Bingtian (CHN) (1989)</b>	time	1.89	2.92	3.85	4.74	5.62	6.50	7.39	8.29	9.19	10.10	10.10	5 / 3				
reaction time		interval	1.03	0.93	0.89	0.88	0.88	0.89	0.90	0.90	0.91		# of strides	3.85	2.65	2.69	
		velocity	5.29	9.71	10.75	11.24	11.36	11.24	11.11	11.11	10.99	9.90	48.7	7.79	11.32	11.15	
<b>Adams, Harry (USA) (1989)</b>	time	1.92	2.98	3.92	4.82	5.71	6.59	7.48	8.37	9.28	10.22	10.22	4 / 4				
reaction time		interval	1.06	0.94	0.90	0.89	0.88	0.89	0.89	0.91	0.94		# of strides	3.92	2.67	2.69	
		velocity	5.21	9.43	10.64	11.11	11.24	11.36	11.24	11.24	10.99	10.64	9.78	46.0	7.65	11.24	11.15
<b>Zhang Peiming (CHN) (1987)</b>	time	1.93	2.99	3.93	4.84	5.73	6.62	7.50	8.40	9.31	10.24	10.24	7 / 5				
reaction time		interval	1.06	0.94	0.91	0.89	0.89	0.88	0.90	0.91	0.93		# of strides	3.93	2.69	2.69	
		velocity	5.18	9.43	10.64	10.99	11.24	11.24	11.36	11.11	10.99	10.75	9.77	46.7	7.63	11.15	11.15

**2015 Wakayama Grand Prix (Wakayama, JPN)****Decathlon - Heat 2**

	date	25-Apr-15	wind	1.7 m/s	<i>Toshiyuki (2016) - 100m race analysis of decathletes - 2009-2016</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.03	3.15	4.18	5.17	6.15	7.12	8.11	9.11	10.13	11.18	11.18	6 / 4				
reaction time		interval	1.12	1.03	0.99	0.98	0.97	0.99	1.00	1.02	1.05		# of strides	4.18	2.94	3.01	
		velocity	4.93	8.93	9.71	10.10	10.20	10.31	10.10	10.00	9.80	9.52	8.94	7.18	10.20	9.97	

**Decathlon - Heat 1**

	date	25-Apr-15	wind	2.4 m/s	<i>Toshiyuki (2016) - 100m race analysis of decathletes - 2009-2016</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.93	3.00	3.97	4.91	5.83	6.75	7.67	8.60	9.54	10.52	10.52	4 / 1				
reaction time		interval	1.07	0.97	0.94	0.92	0.92	0.92	0.93	0.94	0.98		# of strides	3.97	2.78	2.79	
		velocity	5.18	9.35	10.31	10.64	10.87	10.87	10.87	10.75	10.64	10.20	9.51	7.56	10.79	10.75	

**2015 Mikio Oda Memorial (Hiroshima, JPN)****FINAL**

	date	19-Apr-15	wind	-0.2 m/s	<i>Matsuo (2015) - 2015 men's &amp; women's 100m race analysis</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.95	3.02	3.98	4.90	5.79	6.69	7.59	8.51	9.43	10.37	10.37	4 / 1				
reaction time		interval	1.07	0.96	0.92	0.89	0.90	0.90	0.92	0.92	0.94		# of strides	3.98	2.71	2.74	
		velocity	5.13	9.35	10.42	10.87	11.24	11.11	11.11	10.87	10.87	10.64	9.64	47.2	7.54	11.07	10.95
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.92	2.97	3.93	4.85	5.76	6.66	7.57	8.49	9.43	10.40	10.40	3 / =2				
reaction time		interval	1.05	0.96	0.92	0.91	0.90	0.91	0.92	0.94	0.97		# of strides	3.93	2.73	2.77	
		velocity	5.21	9.52	10.42	10.87	10.99	11.11	10.99	10.87	10.64	10.31	9.62	48.5	7.63	10.99	10.83
<b>Tsukahara, Noaki (JPN) (1985)</b>	time	1.90	2.97	3.93	4.86	5.77	6.68	7.60	8.52	9.46	10.40	10.40	5 / =2				
reaction time		interval	1.07	0.96	0.93	0.91	0.91	0.92	0.92	0.94	0.94		# of strides	3.93	2.75	2.78	
		velocity	5.26	9.35	10.42	10.75	10.99	10.99	10.87	10.87	10.64	10.64	9.62	48.0	7.63	10.91	10.79

**Heat 3**

	date	19-Apr-15	wind	0.5 m/s	<i>Matsuo (2015) - 2015 men's &amp; women's 100m race analysis</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Cambridge, Aska (JPN) (1993)</b>	time	1.96	3.02	3.98	4.90	5.79	6.68	7.57	8.47	9.39	10.33	10.33	5 / 1				
reaction time		interval	1.06	0.96	0.92	0.89	0.89	0.89	0.90	0.92	0.94		# of strides	3.98	2.70	2.71	
		velocity	5.10	9.43	10.42	10.87	11.24	11.24	11.24	11.11	10.87	10.64	9.68	46.5	7.54	11.11	11.07
<b>Tsukahara, Noaki (JPN) (1985)</b>	time	1.91	2.97	3.95	4.88	5.79	6.70	7.60	8.51	9.43	10.37	10.37	3 / 2				
reaction time		interval	1.06	0.98	0.93	0.91	0.91	0.90	0.91	0.92	0.94		# of strides	3.95	2.75	2.73	
		velocity	5.24	9.43	10.20	10.75	10.99	10.99	11.11	10.99	10.87	10.64	9.64	48.2	7.59	10.91	10.99

**Heat 1**

	date	19-Apr-15	wind	-0.1 m/s	<i>Matsuo (2015) - 2015 men's &amp; women's 100m race analysis</i>												
			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	1.91	2.97	3.93	4.85	5.76	6.66	7.56	8.48	9.40	10.36	10.36	5 / 1				

reaction time	interval	1.06	0.96	0.92	0.91	0.90	0.90	0.92	0.92	0.96		# of strides	3.93	2.73	2.74	
	velocity	5.24	9.43	10.42	10.87	10.99	11.11	11.11	10.87	10.87	10.42	9.65	47.7	7.63	10.99	10.95

**2015 Texas Relays (Austin, TX)****FINAL**

date 28-Mar-15 wind 3.3 m/s

tfdata-store.com/2017/03/29/post-73/

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kiryu, Yoshihide (JPN) (1995)	time			3.88			6.45			8.99	9.87	9.87	4 / 1			
	reaction time						2.57			2.54	9.87		# of strides	3.88	2.57	2.54
	velocity			7.73			11.67			11.81	2.03	10.13	46.9	7.73	11.67	11.81

**2014 Asian Games (Incheon, KOR)****Decathlon - Heat 2**

date 29-Sep-14 wind 1.7 m/s

Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nakamura, Akihiko (JPN) (1990)	time	1.96	3.05	4.03	4.97	5.91	6.83	7.77	8.72	9.68	10.66	10.66	/ 1			
	reaction time											PB	# of strides	4.03	2.80	2.85
	velocity	5.10	9.17	10.20	10.64	10.64	10.87	10.64	10.53	10.42	10.20	9.38		7.44	10.71	10.53

**Decathlon - Heat 1**

date 29-Sep-14 wind 2.1 m/s

Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ushiro, Keisuke (JPN) (1986)	time	2.03	3.14	4.15	5.13	6.10	7.07	8.04	9.03	10.04	11.10	11.10	/ 5			
	reaction time												# of strides	4.15	2.92	2.97
	velocity	4.93	9.01	9.90	10.20	10.31	10.31	10.31	10.10	9.90	9.43	9.01		7.23	10.27	10.10

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

date 31-Jul-14 wind -2.0 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
Oshima, Kenta (JPN) (1997)	time	1.92	3.01	4.00	4.95	5.89	6.82	7.75	8.70	9.66	10.37	10.64	/ 1			
	reaction time												# of strides	4.00	2.82	2.84
	velocity	5.21	9.17	10.10	10.53	10.64	10.75	10.75	10.53	10.42	14.08	9.40		7.50	10.64	10.56
Takiuchi, Makoto (JPN) (1996)	time	1.92	2.99	3.96	4.91	5.85	6.79	7.73	8.69	9.68	10.68	10.68	/ 2			
	reaction time												# of strides	3.96	2.83	2.89
	velocity	5.21	9.35	10.31	10.53	10.64	10.64	10.64	10.42	10.10	10.00	9.36		7.58	10.60	10.38
Kondo, Hikaru (JPN) (1996)	time	1.93	2.99	3.98	4.93	5.87	6.81	7.76	8.73	9.71	10.71	10.71	/ 3			
	reaction time												# of strides	3.98	2.83	2.90
	velocity	5.18	9.43	10.10	10.53	10.64	10.64	10.53	10.31	10.20	10.00	9.34		7.54	10.60	10.34
Ono, Akiyoshi (JPN) (1996)	time	1.98	3.06	4.06	5.01	5.95	6.89	7.83	8.79	9.76	10.75	10.75	/ 4			
	reaction time												# of strides	4.06	2.83	2.87
	velocity	5.05	9.26	10.00	10.53	10.64	10.64	10.64	10.42	10.31	10.10	9.30		7.39	10.60	10.45

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

date 20-Jul-14 wind 1.5 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
Brown, Kemarley (JAM) (1992)	time			3.90			6.53		8.29		10.09	10.09	4 / 1			
	reaction time						2.63		1.76		1.80		# of strides	3.90	2.63	
	velocity			7.69			11.41		11.36		11.11	9.91		7.69	11.41	
Saidy Ndure, Jaysuma (NOR) (1999)	time			3.91			6.58		8.34		10.17	10.17	6 / <del>2</del> fs			
	reaction time						2.67		1.76		1.83	DQ	# of strides	3.91	2.67	
	velocity			7.67			11.24		11.36		10.93	9.83		7.67	11.24	
Forte, Julian (JAM) (1993)	time			3.96			6.65		8.40		10.19	10.19	3 / <del>3</del> 2			
	reaction time						2.69		1.75		1.79		# of strides	3.96	2.69	
	velocity			7.58			11.15		11.43		11.17	9.81		7.58	11.15	
Scott, Evan (USA) (1988)	time			3.93			6.65		8.46		10.32	10.32	2 / <del>4</del> 3			
	reaction time						2.72		1.81		1.86		# of strides	3.93	2.72	
	velocity			7.63			11.03		11.05		10.75	9.69		7.63	11.03	
Fisher, Andrew (JAM) (1991)	time			3.90			6.58		8.40		10.32	10.32	5 / <del>5</del> 4			
	reaction time						2.68		1.82		1.92		# of strides	3.90	2.68	
	velocity			7.69			11.19		10.99		10.42	9.69		7.69	11.19	
Kling-Baptiste, Tom (SWE) (1990)	time			3.97			6.71		8.55		10.42	10.42	7 / <del>6</del> 5			
	reaction time						2.74		1.84		1.87		# of strides	3.97	2.74	
	velocity			7.56			10.95		10.87		10.70	9.60		7.56	10.95	
Bah, Sulayman (GAM) (1986)	time			4.06			6.81		8.62		10.48	10.48	8 / <del>7</del> 6			
	reaction time						2.75		1.81		1.86	PB	# of strides	4.06	2.75	
	velocity			7.39			10.91		11.05		10.75	9.54		7.39	10.91	
Darkwah, Tony (SWE) (1986)	time			4.07			6.83		8.66		10.55	10.55	1 / <del>8</del> 7			
	reaction time						2.76		1.83		1.89		# of strides	4.07	2.76	

velocity	7.37	10.87	10.93	10.58	9.48	7.37	10.87
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**B FINAL**

		date	20-Jul-14	wind	0.3 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
<b>Andersson, Patrik (SWE) (1991)</b>	time					4.05			6.81		8.67		10.56	10.56	5 / 1			
	reaction time								2.76		1.86		1.89		# of strides	4.05	2.76	
	velocity					7.41			10.87		10.75		10.58	9.47		7.41	10.87	
<b>de Oliveira, Nil (SWE) (1986)</b>	time					4.05			6.83		8.70		10.60	10.60	6 / 2			
	reaction time								2.78		1.87		1.90		# of strides	4.05	2.78	
	velocity					7.41			10.79		10.70		10.53	9.43		7.41	10.79	
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time					4.04			6.84		8.73		10.66	10.66	4 / 3			
	reaction time								2.80		1.89		1.93		# of strides	4.04	2.80	
	velocity					7.43			10.71		10.58		10.36	9.38		7.43	10.71	
<b>Buhagen, Kristoffer (SWE) (1992)</b>	time					4.06			6.88		8.77		10.69	10.69	3 / 4			
	reaction time								2.82		1.89		1.92		# of strides	4.06	2.82	
	velocity					7.39			10.64		10.58		10.42	9.35		7.39	10.64	
<b>Idås, Anders Erlend (NOR) (1990)</b>	time					4.08			6.91		8.80		10.72	10.72	2 / 5			
	reaction time								2.83		1.89		1.92		# of strides	4.08	2.83	
	velocity					7.35			10.60		10.58		10.42	9.33		7.35	10.60	
<b>Sennung, David (SWE) (1991)</b>	time					4.08			6.92		8.83		10.78	10.78	7 / 6			
	reaction time								2.84		1.91		1.95		# of strides	4.08	2.84	
	velocity					7.35			10.56		10.47		10.26	9.28		7.35	10.56	

**C FINAL**

		date	20-Jul-14	wind	1.5 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
<b>Hagberg, Erik (SWE) (1995)</b>	time					4.04			6.81		8.67		10.59	10.59	2 / 1			
	reaction time								2.77		1.86		1.92		# of strides	4.04	2.77	
	velocity					7.43			10.83		10.75		10.42	9.44		7.43	10.83	
<b>Armfelt, Carl (SWE) (1984)</b>	time					4.10			6.89		8.75		10.65	10.65	5 / 2			
	reaction time								2.79		1.86		1.90	PB	# of strides	4.10	2.79	
	velocity					7.32			10.75		10.75		10.53	9.39		7.32	10.75	
<b>Lilja, Johan (SWE) (1995)</b>	time					4.12			6.92		8.78		10.68	10.68	6 / 3			
	reaction time								2.80		1.86		1.90	PB	# of strides	4.12	2.80	
	velocity					7.28			10.71		10.75		10.53	9.36		7.28	10.71	
<b>von Barth, Emil (SWE) (1996)</b>	time					4.07			6.91		8.79		10.76	10.76	4 / 4			
	reaction time								2.84		1.88		1.97		# of strides	4.07	2.84	
	velocity					7.37			10.56		10.64		10.15	9.29		7.37	10.56	
<b>Zirignon, Jean Christian (SWE) (1991)</b>	time					4.09			6.95		8.87		10.85	10.85	7 / 5			
	reaction time								2.86		1.92		1.98	PB	# of strides	4.09	2.86	
	velocity					7.33			10.49		10.42		10.10	9.22		7.33	10.49	
<b>Fossøy, Jostein Joshua (NOR) (1991)</b>	time					4.05			6.94		8.87		10.86	10.86	1 / 6			
	reaction time								2.89		1.93		1.99		# of strides	4.05	2.89	
	velocity					7.41			10.38		10.36		10.05	9.21		7.41	10.38	

**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
<b>Nordkvist, Robin (SWE) (1993)</b>	time					4.09			6.88		8.73		10.68	10.68	4 / 1			
	reaction time								2.79		1.85		1.95		# of strides	4.09	2.79	
	velocity					7.33			10.75		10.81		10.26	9.36		7.33	10.75	
<b>Storhaug, Lars Jøran (NOR) (1989)</b>	time					4.16			6.97		8.80		10.73	10.73	8 / 2			
	reaction time								2.81		1.83		1.93		# of strides	4.16	2.81	
	velocity					7.21			10.68		10.93		10.36	9.32		7.21	10.68	
<b>Kjell, Gustaf (SWE) (1996)</b>	time					4.11			6.94		8.81		10.74	10.74	3 / 3			
	reaction time								2.83		1.87		1.93		# of strides	4.11	2.83	
	velocity					7.30			10.60		10.70		10.36	9.31		7.30	10.60	
<b>Engwall, Andreas (SWE) (1992)</b>	time					4.09			6.96		8.83		10.78	10.78	5 / 4			
	reaction time								2.87		1.87		1.95		# of strides	4.09	2.87	
	velocity					7.33			10.45		10.70		10.26	9.28		7.33	10.45	
<b>Grønnaug, Jonas Andree (NOR) (1991)</b>	time					4.09			6.97		8.86		10.83	10.83	2 / 5			
	reaction time								2.88		1.89		1.97		# of strides	4.09	2.88	
	velocity					7.33			10.42		10.58		10.15	9.23		7.33	10.42	

<b>Helsing, Yonathan (SWE) (1998)</b>	time		4.19		7.05		8.90		10.84		10.84		7 / 6			
	reaction time	interval			2.86		1.85		1.94				# of strides	4.19	2.86	
		velocity	7.16		10.49		10.81		10.31		9.23			7.16	10.49	
<b>Dang, Joakim (NOR) (1990)</b>	time		4.08		6.95		8.86		10.89		10.89		1 / 7			
	reaction time	0.167 interval			2.87		1.91		2.03				# of strides	4.08	2.87	
		velocity	7.35		10.45		10.47		9.85		9.18			7.35	10.45	

**E FINAL**

date 20-Jul-14

wind 2.1 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
<b>Nyvold, Lid Sondre (NOR) (1994)</b>	time				4.16			7.00		8.88		10.81	10.81	4 / 1			
	reaction time	interval						2.84		1.88		1.93		# of strides	4.16	2.84	
		velocity	7.21		10.56			10.64		10.36		9.25			7.21	10.56	
<b>Thorshaug, Erik (SWE) (1987)</b>	time				4.17			7.06		8.94		10.88	10.88	5 / 2			
	reaction time	interval						2.89		1.88		1.94		# of strides	4.17	2.89	
		velocity	7.19		10.38			10.64		10.31		9.19			7.19	10.38	
<b>Allison, Tarley (LBR) (1997)</b>	time				4.12			7.01		8.93		10.91	10.91	3 / 3			
	reaction time	interval						2.89		1.92		1.98		# of strides	4.12	2.89	
		velocity	7.28		10.38			10.42		10.10		9.17			7.28	10.38	
<b>Van den Hend, Mulamba (BEL) (1987)</b>	time				4.22			7.08		8.98		10.95	10.95	6 / 4			
	reaction time	interval						2.86		1.90		1.97		# of strides	4.22	2.86	
		velocity	7.11		10.49			10.53		10.15		9.13			7.11	10.49	
<b>Johnsen, Henrik (NOR) (1986)</b>	time				4.14			7.05		8.98		10.96	10.96	2 / 5			
	reaction time	interval						2.91		1.93		1.98		# of strides	4.14	2.91	
		velocity	7.25		10.31			10.36		10.10		9.12			7.25	10.31	
<b>Kiplesund, Ingar (SWE) (1996)</b>	time				4.24			7.15		9.06		11.04	11.04	8 / 6			
	reaction time	interval						2.91		1.91		1.98		# of strides	4.24	2.91	
		velocity	7.08		10.31			10.47		10.10		9.06			7.08	10.31	
<b>Nyberg, Erik (SWE) (1996)</b>	time				4.21			7.10		9.05		11.13	11.13	7 / 7			
	reaction time	interval						2.89		1.95		2.08		# of strides	4.21	2.89	
		velocity	7.13		10.38			10.26		9.62		8.98			7.13	10.38	
<b>Axelsson, Truls (SWE) (1993)</b>	time				4.25			7.20		9.16		11.15	11.15	1 / 8			
	reaction time	interval						2.95		1.96		1.99		# of strides	4.25	2.95	
		velocity	7.06		10.17			10.20		10.05		8.97			7.06	10.17	

**F FINAL**

date 20-Jul-14

wind 1.5 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
<b>Sundvall, Hjalmar (SWE) (1994)</b>	time				4.18			7.12				11.11	11.11	5 / 1			
	reaction time	interval						2.94				3.99	<b>PB</b>	# of strides	4.18	2.94	
		velocity	7.18		10.20			10.03		10.03		9.00			7.18	10.20	
<b>Lesser, Alexander (SWE) (1993)</b>	time				4.25			7.22				11.21	11.21	3 / 2			
	reaction time	interval						2.97				3.99		# of strides	4.25	2.97	
		velocity	7.06		10.10			10.03		8.92		10.03			7.06	10.10	
<b>Gerlach, Mikael (SWE) (1984)</b>	time				4.33			7.33				11.30	11.30	6 / 3			
	reaction time	interval						3.00				3.97		# of strides	4.33	3.00	
		velocity	6.93		10.00			10.08		8.85		10.08			6.93	10.00	
<b>Wall, Fredrik (SWE) (1997)</b>	time				4.32			7.29				11.36	11.36	7 / 4			
	reaction time	interval						2.97				4.07	<b>PB</b>	# of strides	4.32	2.97	
		velocity	6.94		10.10			10.10		9.83		8.80			6.94	10.10	
<b>Rask, Jesper (SWE) (1997)</b>	time				4.23			7.24				11.37	11.37	1 / 5			
	reaction time	interval						3.01				4.13	<b>PB</b>	# of strides	4.23	3.01	
		velocity	7.09		9.97			9.69		8.80		9.69			7.09	9.97	

**G FINAL**

date 20-Jul-14

wind 1.6 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
<b>Östli, Philip (NOR) (1990)</b>	time				4.29			7.37		9.44		11.60	11.60	4 / 1			
	reaction time	interval						3.08		2.07		2.16		# of strides	4.29	3.08	
		velocity	6.99		9.74			9.66		9.26		8.62			6.99	9.74	
<b>Jonsson, Per (SWE) (1988)</b>	time				4.37			7.44		9.51		11.63	11.63	6 / 2			
	reaction time	interval						3.07		2.07		2.12		# of strides	4.37	3.07	
		velocity	6.86		9.77			9.66		9.43		8.60			6.86	9.77	
<b>Paulsson Bixo, Jonathan (SWE) (1990)</b>	time				4.39			7.48		9.55		11.66	11.66	5 / 3			
	reaction time	interval						3.09		2.07		2.11		# of strides	4.39	3.09	

	velocity	6.83	9.71	9.66	9.48	8.58	6.83	9.71
<b>Sundqvist, Johan (SWE) (1997)</b>	time	4.47	7.62	9.76	11.95	11.95	2 / 4	
	reaction time		3.15	2.14	2.19		# of strides	4.47 3.15
	interval							
	velocity	6.71	9.52	9.35	9.13	8.37	6.71	9.52
<b>Mårtensson, Oskar (SWE) (1997)</b>	time	4.56	7.81	9.98	12.21	12.21	7 / 5	
	reaction time		3.25	2.17	2.23		# of strides	4.56 3.25
	interval							
	velocity	6.58	9.23	9.22	8.97	8.19	6.58	9.23
<b>Tømmervik, Sindre (NOR) (1997)</b>	time	4.60	7.84	10.01	12.25	12.25	8 / 6	
	reaction time		3.24	2.17	2.24		# of strides	4.60 3.24
	interval							
	velocity	6.52	9.26	9.22	8.93	8.16	6.52	9.26

## 2014 Czech Republic National U20 Championships (Trinec, CZE)

### FINAL

		date	28-Jun-14		wind		-3.4 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		
<b>Netymach, Vojtech (CZE) (1995)</b>	time		1.94	3.01	4.03	5.00	5.96	6.94	7.91	8.91	9.92	10.99	10.99	2 / 1					
	reaction time	0.159												# of strides	4.03	2.91	2.98		
	interval			1.07	1.02	0.97	0.96	0.98	0.97	1.00	1.01	1.07			7.44	10.31	10.07		
	velocity		5.15	9.35	9.80	10.31	10.42	10.20	10.31	10.00	9.90	9.35	9.10						
<b>Rezníček, Jakub (CZE) (1995)</b>	time		2.00	3.13	4.18	5.15	6.10	7.08	8.03	9.01	9.99	11.03	11.03	6 / 2					
	reaction time	0.158												# of strides	4.18	2.90	2.91		
	interval			1.13	1.05	0.97	0.95	0.98	0.95	0.98	0.98	1.04			7.18	10.34	10.31		
	velocity		5.00	8.85	9.52	10.31	10.53	10.20	10.53	10.20	10.20	9.62	9.07						
<b>Svoboda, Vojtech (CZE) (1995)</b>	time		1.97	3.08	4.13	5.11	6.08	7.05	8.03	9.03	10.02	11.07	11.07	4 / 3					
	reaction time	0.119												# of strides	4.13	2.92	2.97		
	interval			1.11	1.05	0.98	0.97	0.97	0.98	1.00	0.99	1.05			7.26	10.27	10.10		
	velocity		5.08	9.01	9.52	10.20	10.31	10.31	10.20	10.00	10.10	9.52	9.03						
<b>Kolarčík, Vojtech (CZE) (1995)</b>	time		1.98	3.08	4.13	5.11	6.08	7.06	8.05	9.08	10.09	11.18	11.18	3 / 4					
	reaction time	0.152												# of strides	4.13	2.93	3.03		
	interval			1.10	1.05	0.98	0.97	0.98	0.99	1.03	1.01	1.09			7.26	10.24	9.90		
	velocity		5.05	9.09	9.52	10.20	10.31	10.20	10.10	9.71	9.90	9.17	8.94						
<b>Gvušč, Jirí (CZE) (1995)</b>	time		2.00	3.12	4.17	5.18	6.15	7.14	8.12	9.13	10.14	11.18	11.18	7 / 5					
	reaction time	0.162												# of strides	4.17	2.97	3.00		
	interval			1.12	1.05	1.01	0.97	0.99	0.98	1.01	1.01	1.04			7.19	10.10	10.00		
	velocity		5.00	8.93	9.52	9.90	10.31	10.10	10.20	9.90	9.90	9.62	8.94						
<b>Bárta, Tomáš (CZE) (1995)</b>	time		2.03	3.13	4.18	5.16	6.12	7.11	8.09	9.10	10.12	11.24	11.24	5 / 6					
	reaction time	0.153												# of strides	4.18	2.93	3.01		
	interval			1.10	1.05	0.98	0.96	0.99	0.98	1.01	1.02	1.12			7.18	10.24	9.97		
	velocity		4.93	9.09	9.52	10.20	10.42	10.10	10.20	9.90	9.80	8.93	8.90						
<b>Zálesky, Dominik (CZE) (1995)</b>	time		2.04	3.15	4.22	5.25	6.28	7.30	8.33	9.37	10.40	11.47	11.47	1 / 7					
	reaction time	0.160												# of strides	4.22	3.08	3.10		
	interval			1.11	1.07	1.03	1.03	1.02	1.03	1.04	1.03	1.07			7.11	9.74	9.68		
	velocity		4.90	9.01	9.35	9.71	9.71	9.80	9.71	9.62	9.71	9.35	8.72						
<b>Ledvína, Jakub (CZE) (1995)</b>	time		2.13	3.26	4.33	5.35	6.35	7.35	8.35	9.40	10.45	11.53	11.53	8 / 8					
	reaction time	0.246												# of strides	4.33	3.02	3.10		
	interval			1.13	1.07	1.02	1.00	1.00	1.00	1.05	1.05	1.08			6.93	9.93	9.68		
	velocity		4.69	8.85	9.35	9.80	10.00	10.00	10.00	9.52	9.52	9.26	8.67						

### Heat 3

		date	28-Jun-14		wind		-2.5 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		
<b>Bárta, Tomáš (CZE) (1995)</b>	time			3.20		5.19		7.11		9.08		11.13	11.13	6 / 1					
	reaction time	0.189												# of strides					
	interval																		
	velocity			6.25		10.05		10.42		10.15		9.76	8.98						
<b>Netymach, Vojtech (CZE) (1995)</b>	time			3.13		5.09		7.01		9.00		11.17	11.17	3 / 2					
	reaction time	0.123												# of strides					
	interval					1.96		1.92		1.99		2.17							
	velocity			6.39		10.20		10.42		10.05		9.22	8.95						
<b>Burlák, Jakub (CZE) (1996)</b>	time			3.23		5.28		7.28		9.31		11.41	11.41	5 / 3					
	reaction time	0.214												# of strides					
	interval					2.05		2.00		2.03		2.10							
	velocity			6.19		9.76		10.00		9.85		9.52	8.76						
<b>Vesely, Martin (CZE) (1995)</b>	time			3.17		5.23		7.23		9.30		11.48	11.48	2 / 4					
	reaction time	0.146												# of strides					
	interval					2.06		2.00		2.07		2.18							
	velocity			6.31		9.71		10.00		9.66		9.17	8.71						
<b>Bernátek, David (CZE) (1995)</b>	time			3.37		5.50		7.56		9.64		11.75	11.75	4 / 5					
	reaction time	0.195												# of strides					
	interval					2.13		2.06		2.08		2.11							
	velocity			5.93		9.39		9.71		9.62		9.48	8.51						
<b>Stejskal, Jan (CZE) (1995)</b>	time			3.32		5.44		7.52		9.66		11.84	11.84	1 / 6					
	reaction time	0.194												# of strides					
	interval					2.12		2.08		2.14		2.18							
	velocity			6.02		9.43		9.62		9.35		9.17	8.45						
<b>Končický, Tomáš (CZE) (1996)</b>	time			3.34		5.46		7.53		9.63		12.13	12.13	7 / 7					

reaction time	0.183	interval		2.12	2.07	2.10	2.50		# of strides
		velocity	5.99	9.43	9.66	9.52	8.00	8.24	

**Heat 2**

date 28-Jun-14 wind -1.7 m/s

Feher (2014) - Final report from the U18 &amp; 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
<b>Svoboda, Vojtech (CZE) (1995)</b>	time			3.23		5.24		7.19		9.15		11.12	11.12	4 / 1			
	reaction time	0.183	interval			2.01		1.95		1.96		1.97		# of strides			
			velocity	6.19		9.95		10.26		10.20		10.15	8.99				
<b>Kolarčík, Vojtech (CZE) (1995)</b>	time			3.15		5.15		7.12		9.11		11.13	11.13	3 / 2			
	reaction time	0.153	interval			2.00		1.97		1.99		2.02		# of strides			
			velocity	6.35		10.00		10.15		10.05		9.90	8.98				
<b>Gvušč, Jirí (CZE) (1995)</b>	time			3.17		5.21		7.20		9.19		11.18	11.18	1 / 3			
	reaction time	0.150	interval			2.04		1.99		1.99		1.99		# of strides			
			velocity	6.31		9.80		10.05		10.05		10.05	8.94				
<b>Zálesky, Dominik (CZE) (1995)</b>	time			3.15		5.21		7.24		9.30		11.36	11.36	2 / 4			
	reaction time	0.154	interval			2.06		2.03		2.06		2.06		# of strides			
			velocity	6.35		9.71		9.85		9.71		9.71	8.80				
<b>Fau, Štěpán (CZE) (1995)</b>	time			3.32		5.43		7.46		9.49		11.52	11.52	6 / 5			
	reaction time	0.219	interval			2.11		2.03		2.03		2.03		# of strides			
			velocity	6.02		9.48		9.85		9.85		9.85	8.68				
<b>Klíma, Jakub (CZE) (1995)</b>	time			3.37		5.52		7.58		9.62		11.67	11.67	5 / 6			
	reaction time	0.174	interval			2.15		2.06		2.04		2.05		# of strides			
			velocity	5.93		9.30		9.71		9.80		9.76	8.57				
<b>Kuklík, Jan (CZE) (1996)</b>	time			3.35		5.48		7.53		9.58		11.69	11.69	7 / 7			
	reaction time	0.155	interval			2.13		2.05		2.05		2.11		# of strides			
			velocity	5.97		9.39		9.76		9.76		9.48	8.55				

**Heat 1**

date 28-Jun-14 wind -3.6 m/s

Feher (2014) - Final report from the U18 &amp; 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
<b>Rezníček, Jakub (CZE) (1995)</b>	time			3.18		5.25		7.21		9.18		11.24	11.24	6 / 1			
	reaction time	0.137	interval			2.07		1.96		1.97		2.06		# of strides			
			velocity	6.29		9.66		10.20		10.15		9.71	8.90				
<b>Ledvína, Jakub (CZE) (1995)</b>	time			3.20		5.28		7.30		9.33		11.46	11.46	7 / 2			
	reaction time	0.167	interval			2.08		2.02		2.03		2.13		# of strides			
			velocity	6.25		9.62		9.90		9.85		9.39	8.73				
<b>Žouželka, Jaroslav (CZE) (1995)</b>	time			3.26		5.38		7.47		9.57		11.72	11.72	8 / 3			
	reaction time	0.215	interval			2.12		2.09		2.10		2.15		# of strides			
			velocity	6.13		9.43		9.57		9.52		9.30	8.53				
<b>Nikodem, František (CZE) (1995)</b>	time			3.26		5.43		7.53		9.65		11.83	11.83	2 / 4			
	reaction time	0.129	interval			2.17		2.10		2.12		2.18		# of strides			
			velocity	6.13		9.22		9.52		9.43		9.17	8.45				
<b>Vostatek, Jakub (CZE) (1995)</b>	time			3.31		5.47		7.57		9.68		11.87	11.87	1 / 5			
	reaction time	0.161	interval			2.16		2.10		2.11		2.19		# of strides			
			velocity	6.04		9.26		9.52		9.48		9.13	8.42				
<b>Korínek, Petr (CZE) (1996)</b>	time			3.32		5.51		7.65		9.80		12.02	12.02	5 / 6			
	reaction time	0.176	interval			2.19		2.14		2.15		2.22		# of strides			
			velocity	6.02		9.13		9.35		9.30		9.01	8.32				
<b>Jarošek, Michal (CZE) (1996)</b>	time			3.33		5.53		7.70		9.87		12.09	12.09	3 / 7			
	reaction time	0.159	interval			2.20		2.17		2.17		2.22		# of strides			
			velocity	6.01		9.09		9.22		9.22		9.01	8.27				

**2014 Czech Republic National U18 Championships (Trinec, CZE)****FINAL**

date 28-Jun-14 wind -2.1 m/s

Feher (2014) - Final report from the U18 &amp; 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
<b>Procházka, Jáchym (CZE) (1997)</b>	time			2.06		3.16		4.20		5.18		6.13	7.09	6 / 1			
	reaction time	0.181	interval			1.10		1.04		0.98		0.95	0.96	# of strides	4.20	2.89	2.91
			velocity	4.85		9.09		9.62		10.20		10.53	10.42		7.14	10.38	10.31
<b>Kolár, David (CZE) (1997)</b>	time			2.01		3.12		4.15		5.13		6.10	7.06	4 / 2			
	reaction time	0.167	interval			1.11		1.03		0.98		0.97	0.96	# of strides	4.15	2.91	2.98
			velocity	4.98		9.01		9.71		10.20		10.31	10.42		7.23	10.31	10.07
<b>Rapp, Ondrej (CZE) (1997)</b>	time			2.03		3.18		4.22		5.21		6.19	7.17	8 / 3			
	reaction time	0.172	interval			1.15		1.04		0.99		0.98	0.98	# of strides	4.22	2.95	2.95
			velocity														



	velocity	4.93	8.70	9.62	10.10	10.20	10.20	10.42	10.10	10.00	9.71	8.97			7.11	10.17	10.17	
<b>Feigel, Jirí (CZE) (1997)</b>	time	2.10	3.21	4.24	5.24	6.22	7.19	8.17	9.18	10.19	11.23	11.23	3 / 4					
reaction time 0.154	interval		1.11	1.03	1.00	0.98	0.97	0.98	1.01	1.01	1.04	# of strides	4.24	2.95	3.00			
	velocity	4.76	9.01	9.71	10.00	10.20	10.31	10.20	9.90	9.90	9.62	8.90			7.08	10.17	10.00	
<b>Röder, Adam (CZE) (1998)</b>	time	2.08	3.17	4.23	5.21	6.20	7.21	8.21	9.23	10.27	11.34	11.34	5 / 5					
reaction time 0.173	interval		1.09	1.06	0.98	0.99	1.01	1.00	1.02	1.04	1.07	# of strides	4.23	2.98	3.06			
	velocity	4.81	9.17	9.43	10.20	10.10	9.90	10.00	9.80	9.62	9.35	8.82			7.09	10.07	9.80	
<b>Richter, David (CZE) (1998)</b>	time	2.08	3.20	4.26	5.29	6.29	7.30	8.32	9.34	10.37	11.43	11.43	2 / 6					
reaction time 0.167	interval		1.12	1.06	1.03	1.00	1.01	1.02	1.02	1.03	1.06	# of strides	4.26	3.04	3.07			
	velocity	4.81	8.93	9.43	9.71	10.00	9.90	9.80	9.80	9.71	9.43	8.75			7.04	9.87	9.77	
<b>Moravec, Aleš (CZE) (1998)</b>	time	2.08	3.19	4.25	5.24	6.24	7.25	8.26	9.30	10.37	11.46	11.46	7 / 7					
reaction time 0.181	interval		1.11	1.06	0.99	1.00	1.01	1.01	1.04	1.07	1.09	# of strides	4.25	3.00	3.12			
	velocity	4.81	9.01	9.43	10.10	10.00	9.90	9.90	9.62	9.35	9.17	8.73			7.06	10.00	9.62	
<b>Dvorák, Filip (CZE) (1997)</b>	time	2.05	3.17	4.22	5.26	6.27	7.29	8.32	9.35	10.40	11.50	11.50	1 / 8					
reaction time 0.148	interval		1.12	1.05	1.04	1.01	1.02	1.03	1.03	1.05	1.10	# of strides	4.22	3.07	3.11			
	velocity	4.88	8.93	9.52	9.62	9.90	9.80	9.71	9.71	9.52	9.09	8.70			7.11	9.77	9.65	

Heat 3

	date	28-Jun-14	wind	-2.7 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
<b>Röder, Adam (CZE) (1998)</b>	time					3.13		5.18		7.19		9.19		11.31	11.31	4 / 1			
reaction time 0.163	interval							2.05		2.01		2.00		2.12		# of strides			
	velocity					6.39		9.76		9.95		10.00		9.43	8.84				
<b>Richter, David (CZE) (1998)</b>	time					3.20		5.29		7.30		9.33		11.41	11.41	6 / 2			
reaction time 0.172	interval							2.09		2.01		2.03		2.08		# of strides			
	velocity					6.25		9.57		9.95		9.85		9.62	8.76				
<b>Moravec, Aleš (CZE) (1998)</b>	time					3.20		5.25		7.26		9.29		11.43	11.43	3 / 3			
reaction time 0.175	interval							2.05		2.01		2.03		2.14		# of strides			
	velocity					6.25		9.76		9.95		9.85		9.35	8.75				
<b>Dvorák, Filip (CZE) (1997)</b>	time					3.16		5.23		7.23		9.28		11.44	11.44	5 / 4			
reaction time 0.150	interval							2.07		2.00		2.05		2.16		# of strides			
	velocity					6.33		9.66		10.00		9.76		9.26	8.74				
<b>Hartych, Vít (CZE) (1997)</b>	time					3.31		5.43		7.47		9.48		11.59	11.59	7 / 5			
reaction time 0.183	interval							2.12		2.04		2.01		2.11		# of strides			
	velocity					6.04		9.43		9.80		9.95		9.48	8.63				
<b>Slaviček, Lukáš (CZE) (1997)</b>	time					3.25		5.39		7.49		9.56		11.74	11.74	8 / 6			
reaction time 0.153	interval							2.14		2.10		2.07		2.18		# of strides			
	velocity					6.15		9.35		9.52		9.66		9.17	8.52				
<b>Hašek, Josef (CZE) (1997)</b>	time					3.22		5.34		7.43		9.54		11.74	11.74	2 / 7			
reaction time 0.135	interval							2.12		2.09		2.11		2.20		# of strides			
	velocity					6.21		9.43		9.57		9.48		9.09	8.52				

Heat 2

	date	28-Jun-14	wind	-4.2 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
<b>Kolár, David (CZE) (1997)</b>	time					3.12		5.16		7.13		9.11		11.20	11.20	6 / 1			
reaction time 0.171	interval							2.04		1.97		1.98		2.09		# of strides			
	velocity					6.41		9.80		10.15		10.10		9.57	8.93				
<b>Feigel, Jirí (CZE) (1997)</b>	time					3.20		5.25		7.23		9.22		11.32	11.32	3 / 2			
reaction time 0.174	interval							2.05		1.98		1.99		2.10		# of strides			
	velocity					6.25		9.76		10.10		10.05		9.52	8.83				
<b>Habrda, Filip (CZE) (1997)</b>	time					3.25		5.31		7.33		9.35		11.49	11.49	4 / 3			
reaction time 0.157	interval							2.06		2.02		2.02		2.14		# of strides			
	velocity					6.15		9.71		9.90		9.90		9.35	8.70				
<b>Schädelbauer, David (CZE) (1997)</b>	time					3.22		5.34		7.41		9.50		11.69	11.69	2 / 4			
reaction time 0.186	interval							2.12		2.07		2.09		2.19		# of strides			
	velocity					6.21		9.43		9.66		9.57		9.13	8.55				
<b>Musil, Jan (CZE) (1997)</b>	time					3.32		5.42		7.49		9.56		11.73	11.73	7 / 5			
reaction time 0.148	interval							2.10		2.07		2.07		2.17		# of strides			
	velocity					6.02		9.52		9.66		9.66		9.22	8.53				
<b>Urbánek, Petr (CZE) (1998)</b>	time					3.23		5.34		7.43		9.54		11.76	11.76	8 / 6			
reaction time 0.177	interval							2.11		2.09		2.11		2.22		# of strides			
	velocity					6.19		9.49		9.57		9.48		9.01	8.50				

Šprna, Dominik (CZE) (1998)	time		3.21	5.34	7.43	9.58	11.85	11.85	5 / 7
	reaction time	0.147	interval		2.13	2.09	2.15	2.27	# of strides
			velocity	6.23	9.39	9.57	9.30	8.81	8.44

**Heat 1**

date 28-Jun-14 wind -3.9 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
Procházka, Jáchym (CZE) (1997)	time		3.15		5.21		7.25		9.25		11.35	11.35	4 / 1			
	reaction time	0.145	interval		2.06		2.04		2.00		2.10		# of strides			
			velocity	6.35		9.71		9.80		10.00		9.52	8.81			
Rapp, Ondrej (CZE) (1997)	time		3.21		5.31		7.39		9.43		11.54	11.54	3 / 2			
	reaction time	0.167	interval		2.10		2.08		2.04		2.11		# of strides			
			velocity	6.23		9.52		9.62		9.80		9.48	8.67			
Červík, Jakub (CZE) (1997)	time		3.28		5.40		7.49		9.52		11.62	11.62	5 / 3			
	reaction time	0.192	interval		2.12		2.09		2.03		2.10		# of strides			
			velocity	6.10		9.43		9.57		9.85		9.52	8.61			
Lamač, Martin (CZE) (1997)	time		3.18		5.32		7.45		9.56		11.77	11.77	2 / 4			
	reaction time	0.160	interval		2.14		2.13		2.11		2.21		# of strides			
			velocity	6.29		9.35		9.39		9.48		9.05	8.50			
Desensky, Lukáš (CZE) (1998)	time		3.30		5.42		7.55		9.67		11.90	11.90	6 / 5			
	reaction time	0.206	interval		2.12		2.13		2.12		2.23		# of strides			
			velocity	6.06		9.43		9.39		9.43		8.97	8.40			
Minarik, Pavel (CZE) (1998)	time		3.28		5.47		7.63		9.76		11.99	11.99	8 / 6			
	reaction time	0.176	interval		2.19		2.16		2.13		2.23		# of strides			
			velocity	6.10		9.13		9.26		9.39		8.97	8.34			
Vojtek, Matouš (CZE) (1998)	time		3.33		5.54		7.76		9.93		12.21	12.21	7 / 7			
	reaction time	0.166	interval		2.21		2.22		2.17		2.28		# of strides			
			velocity	6.01		9.05		9.01		9.22		8.77	8.19			

**2014 Japanese National Championships (Fukushima, JPN)**

**FINAL**

date 08-Jun-14 wind 0.6 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
Kiryu, Yoshihide (JPN) (1995)	time		1.96	2.99	3.93	4.83	5.71	6.60	7.49	8.39	9.29	10.22	6 / 1			
	reaction time		interval	1.03	0.94	0.90	0.88	0.89	0.89	0.90	0.90	0.93	# of strides	3.93	2.67	2.69
			velocity	5.10	9.71	10.64	11.11	11.36	11.24	11.24	11.11	11.11	10.75	48.7	7.63	11.24

**Semi-Final 2**

date 08-Jun-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
Yamagata, Ryota (JPN) (1992)	time		1.91	2.97	3.92	4.82	5.72	6.60	7.48	8.38	9.29	10.22	10.22			
	reaction time		interval	1.06	0.95	0.90	0.90	0.88	0.88	0.90	0.91	0.93	# of strides	3.92	2.68	2.69
			velocity	5.24	9.43	10.53	11.11	11.11	11.36	11.36	11.11	10.99	10.75	48.8	7.65	11.19

**Semi-Final 1**

date 08-Jun-14 wind -0.5 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
Kiryu, Yoshihide (JPN) (1995)	time		1.93	2.97	3.90	4.80	5.68	6.56	7.44	8.34	9.25	10.21	10.21			
	reaction time		interval	1.04	0.93	0.90	0.88	0.88	0.88	0.90	0.91	0.96	# of strides	3.90	2.66	2.69
			velocity	5.18	9.62	10.75	11.11	11.36	11.36	11.36	11.11	10.99	10.42	48.9	7.69	11.28

**Heat 4**

date 07-Jun-14 wind 1.4 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
Kiryu, Yoshihide (JPN) (1995)	time		1.95	2.98	3.92	4.81	5.69	6.57	7.44	8.32	9.22	10.15	10.15			
	reaction time		interval	1.03	0.94	0.89	0.88	0.88	0.87	0.88	0.90	0.93	# of strides	3.92	2.65	2.65
			velocity	5.13	9.71	10.64	11.24	11.36	11.36	11.49	11.36	11.11	10.75	48.9	7.65	11.32

**2014 Japanese National Multi-Event Championships (Nagano, JPN)**

**Decathlon - Heat 2**

date 31-May-14 wind -0.6 m/s Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ushiro, Keisuke (JPN) (1986)	time		2.07	3.19	4.22	5.21	6.19	7.17	8.16	9.17	10.19	11.24	11.24			
	reaction time		interval	1.12	1.03	0.99	0.98	0.98	0.99	1.01	1.02	1.05	# of strides	4.22	2.95	3.02
			velocity	4.83	8.93	9.71	10.10	10.20	10.20	10.10	9.90	9.80	9.52	8.90	7.11	10.17

**Decathlon - Heat 1**

date 31-May-14 wind -1.3 m/s Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nakamura, Akihiko (JPN) (1990)	time		1.99	3.08	4.08	5.04	5.98	6.93	7.88	8.84	9.81	10.80	10.80			
	reaction time		interval	1.09	1.00	0.96	0.94	0.95	0.95	0.96	0.97	0.99	# of strides	4.08	2.85	2.88
			velocity	5.03	9.17	10.00	10.42	10.64	10.53	10.53	10.42	10.31	10.10	9.26	7.35	10.53

**2014 Seiko Golden Grand Prix (Tokyo, JPN)**

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

**FINAL**

date 11-May-14 wind -3.5 m/s Akirabun (2014) - the relationship between pitch and stride in the men's and women's 100m race

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









	velocity	7.46	11.28	11.43	11.30	9.80	44.5	7.46	11.28
<b>Magakwe, Simon (RSA) (1985)</b>	time	4.01	6.66	8.43	10.24	10.24	7 / 5		
reaction time	interval		2.65	1.77	1.81		# of strides	4.01	2.65
	velocity	7.48	11.32	11.30	11.05	9.77	46.0	7.48	11.32
<b>Dreyer, Hannes (RSA) (1985)</b>	time	3.94	6.65	8.45	10.30	10.30	3 / 6		
reaction time	interval		2.71	1.80	1.85		# of strides	3.94	2.71
	velocity	7.61	11.07	11.11	10.81	9.71	47.0	7.61	11.07
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time	3.99	6.69	8.50	10.35	10.35	2 / 7		
reaction time	interval		2.70	1.81	1.85		# of strides	3.99	2.70
	velocity	7.52	11.11	11.05	10.81	9.66	47.5	7.52	11.11
<b>Groth, Joel (SWE) (1991)</b>	time	4.14	6.89	8.70	10.58	10.58	1 / 8		
reaction time	interval		2.75	1.81	1.88		# of strides	4.14	2.75
	velocity	7.25	10.91	11.05	10.64	9.45	44.7	7.25	10.91

**B FINAL**

date 28-Jul-13 wind 1.1 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
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time			4.07			6.82		8.67		10.57	10.57	3 / 1			
reaction time	interval						2.75		1.85		1.90		# of strides	4.07	2.75	
	velocity			7.37			10.91		10.81		10.53	9.46		7.37	10.91	
<b>Bah, Sulayman (GAM) (1986)</b>	time			4.10			6.88		8.73		10.65	10.65	4 / 2			
reaction time	interval						2.78		1.85		1.92		# of strides	4.10	2.78	
	velocity			7.32			10.79		10.81		10.42	9.39		7.32	10.79	
<b>Sennung, David (SWE) (1991)</b>	time			4.07			6.86		8.73		10.67	10.67	2 / 3			
reaction time	interval						2.79		1.87		1.94		# of strides	4.07	2.79	
	velocity			7.37			10.75		10.70		10.31	9.37		7.37	10.75	
<b>Skoglund, Björn (SWE) (1991)</b>	time			4.10			6.89		8.76		10.70	10.70	8 / 4			
reaction time	interval						2.79		1.87		1.94		# of strides	4.10	2.79	
	velocity			7.32			10.75		10.70		10.31	9.35		7.32	10.75	
<b>Lysne, Torbjörn (NOR) (1990)</b>	time			4.20			7.01		8.86		10.77	10.77	1 / 5			
reaction time	interval						2.81		1.85		1.91	<b>PB</b>	# of strides	4.20	2.81	
	velocity			7.14			10.68		10.81		10.47	9.29		7.14	10.68	
<b>Andersson, Patrick (SWE) (1991)</b>	time			4.13			6.96		8.86		10.86	10.86	6 / 6			
reaction time	interval						2.83		1.90		2.00		# of strides	4.13	2.83	
	velocity			7.26			10.60		10.53		10.00	9.21		7.26	10.60	
<b>Engwall, Andreas (SWE) (1992)</b>	time			4.13			6.98		8.89		10.88	10.88	7 / 7			
reaction time	interval						2.85		1.91		1.99		# of strides	4.13	2.85	
	velocity			7.26			10.53		10.47		10.05	9.19		7.26	10.53	
<b>Zirignon, Jean Christian (SWE) (1991)</b>	time			4.13			6.97		8.88		10.89	10.89	5 / 8			
reaction time	interval						2.84		1.91		2.01		# of strides	4.13	2.84	
	velocity			7.26			10.56		10.47		9.95	9.18		7.26	10.56	

**C FINAL**

date 28-Jul-13 wind 1.7 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
<b>Ojuri, Sunday (SWE) (1993)</b>	time			4.13			6.92		8.76		10.65	10.65	5 / 1			
reaction time	interval						2.79		1.84		1.89	<b>PB</b>	# of strides	4.13	2.79	
	velocity			7.26			10.75		10.87		10.58	9.39		7.26	10.75	
<b>Brusenback, Chris (SWE) (1993)</b>	time			4.13			6.94		8.83		10.80	10.80	2 / 2			
reaction time	interval						2.81		1.89		1.97		# of strides	4.13	2.81	
	velocity			7.26			10.68		10.58		10.15	9.26		7.26	10.68	
<b>Armfeldt, Carl (SWE) (1984)</b>	time			4.13			6.96		8.85		10.81	10.81	4 / 3			
reaction time	interval						2.83		1.89		1.96		# of strides	4.13	2.83	
	velocity			7.26			10.60		10.58		10.20	9.25		7.26	10.60	
<b>Nordkvist, Robin (SWE) (1993)</b>	time			4.17			7.01		8.93		10.92	10.92	7 / 4			
reaction time	interval						2.84		1.92		1.99		# of strides	4.17	2.84	
	velocity			7.19			10.56		10.42		10.05	9.16		7.19	10.56	

**D FINAL**

date 28-Jul-13 wind 1.7 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
<b>Karlsson, Alexander (NOR) (1988)</b>	time			4.13			6.96		8.84		10.76	10.76	5 / 1			
reaction time	interval						2.83		1.88		1.92	<b>PB</b>	# of strides	4.13	2.83	
	velocity			7.26			10.60		10.64		10.42	9.29		7.26	10.60	

<b>Johnsen, Henrik (NOR) (1986)</b>	time	4.07	6.91	8.82	10.80	10.80	1 / 2		
	reaction time	interval	2.84	1.91	1.98		# of strides	4.07	2.84
	velocity	7.37	10.56	10.47	10.10	9.26		7.37	10.56
<b>Lilja, Johan (SWE) (1995)</b>	time	4.18	7.03	8.92	10.88	10.88	3 / 3		
	reaction time	interval	2.85	1.89	1.96		# of strides	4.18	2.85
	velocity	7.18	10.53	10.58	10.20	9.19		7.18	10.53
<b>Kåstad, Martin (NOR) (1990)</b>	time	4.17	7.05	8.95	10.89	10.89	4 / 4		
	reaction time	interval	2.88	1.90	1.94		# of strides	4.17	2.88
	velocity	7.19	10.42	10.53	10.31	9.18		7.19	10.42
<b>Storhaug, Lars Jøran (NOR) (1989)</b>	time	4.19	7.06	8.96	10.95	10.95	6 / 5		
	reaction time	interval	2.87	1.90	1.99		# of strides	4.19	2.87
	velocity	7.16	10.45	10.53	10.05	9.13		7.16	10.45
<b>Carlsson, Tobias (SWE) (1991)</b>	time	4.18	7.13	9.11	11.12	11.12	7 / 6		
	reaction time	interval	2.95	1.98	2.01		# of strides	4.18	2.95
	velocity	7.18	10.17	10.10	9.95	8.99		7.18	10.17
<b>Nordmark, Daniel (SWE) (1993)</b>	time	4.22	7.17	9.13	11.21	11.21	2 / 7		
	reaction time	interval	2.95	1.96	2.08		# of strides	4.22	2.95
	velocity	7.11	10.17	10.20	9.62	8.92		7.11	10.17

**E FINAL**

date 28-Jul-13 wind 2.8 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
<b>Pettersen, Even (NOR) (1993)</b>	time			4.14			6.96		8.84		10.77	10.77	8 / 1			
	reaction time	interval				2.82	1.88		1.93		1.93		# of strides	4.14	2.82	
	velocity	7.25				10.64	10.64		10.36		10.36	9.29		7.25	10.64	
<b>Thorshaug, Erik (NOR) (1987)</b>	time			4.14			7.02		8.92		10.84	10.84	3 / 2			
	reaction time	interval				2.88	1.90		1.92		1.92		# of strides	4.14	2.88	
	velocity	7.25				10.42	10.53		10.42		10.42	9.23		7.25	10.42	
<b>Waltersson, Jonathan (SWE) (1988)</b>	time			4.19			7.05		8.93		10.89	10.89	6 / 3			
	reaction time	interval				2.86	1.88		1.96		1.96		# of strides	4.19	2.86	
	velocity	7.16				10.49	10.64		10.20		10.20	9.18		7.16	10.49	
<b>Buhagen, Kristoffer (NOR) (1992)</b>	time			4.14			6.99		8.92		10.91	10.91	5 / 4			
	reaction time	interval				2.85	1.93		1.99		1.99		# of strides	4.14	2.85	
	velocity	7.25				10.53	10.36		10.05		10.05	9.17		7.25	10.53	
<b>Winger, Alexander (SWE) (1989)</b>	time			4.20			7.08		9.00		10.95	10.95	7 / 5			
	reaction time	interval				2.88	1.92		1.95		1.95		# of strides	4.20	2.88	
	velocity	7.14				10.42	10.42		10.26		10.26	9.13		7.14	10.42	
<b>Forsberg, Johan (SWE) (1992)</b>	time			4.20			7.12		9.07		11.12	11.12	4 / 6			
	reaction time	interval				2.92	1.95		2.05		2.05		# of strides	4.20	2.92	
	velocity	7.14				10.27	10.26		9.76		9.76	8.99		7.14	10.27	
<b>Helsing, Yonathan (SWE) (1998)</b>	time			4.29			7.20		9.13		11.14	11.14	1 / 7			
	reaction time	interval				2.91	1.93		2.01		2.01		# of strides	4.29	2.91	
	velocity	6.99				10.31	10.36		9.95		9.95	8.98		6.99	10.31	
<b>Johansson, Oscar (SWE) (1992)</b>	time			4.20			7.15		9.12		11.16	11.16	2 / 8			
	reaction time	interval				2.95	1.97		2.04		2.04		# of strides	4.20	2.95	
	velocity	7.14				10.17	10.15		9.80		9.80	8.96		7.14	10.17	

**F FINAL**

date 28-Jul-13 wind 3.0 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
<b>Van Wyk, Isaak (RSA) (1989)</b>	time			4.21			7.12		9.02		10.95	10.95	1 / 1			
	reaction time	interval				2.91	1.90		1.93		1.93		# of strides	4.21	2.91	
	velocity	7.13				10.31	10.53		10.36		10.36	9.13		7.13	10.31	
<b>Grønnhaug, Jonas (NOR) (1989)</b>	time			4.16			7.07		9.01		11.01	11.01	3 / 2			
	reaction time	interval				2.91	1.94		2.00		2.00		# of strides	4.16	2.91	
	velocity	7.21				10.31	10.31		10.00		10.00	9.08		7.21	10.31	
<b>Kjell, Gustav (SWE) (1996)</b>	time			4.21			7.15		9.11		11.10	11.10	2 / 3			
	reaction time	interval				2.94	1.96		1.99		1.99		# of strides	4.21	2.94	
	velocity	7.13				10.20	10.20		10.05		10.05	9.01		7.13	10.20	
<b>Andersen, Andres Stokke (NOR) (1992)</b>	time			4.18			7.09		9.06		11.12	11.12	5 / 4			
	reaction time	interval				2.91	1.97		2.06		2.06		# of strides	4.18	2.91	
	velocity	7.18				10.31	10.15		9.71		9.71	8.99		7.18	10.31	
<b>Rosenberg, Michael (NOR) (1990)</b>	time			4.11			7.07		9.07		11.16	11.16	4 / 5			



reaction time	interval		2.96	2.00	2.09		# of strides	4.11	2.96
	velocity	7.30	10.14	10.00	9.57	8.96		7.30	10.14
<b>Thornberg, Nils (SWE) (1994)</b>	time	4.21	7.17	9.14	11.16	11.16	6 / 6		
reaction time	interval		2.96	1.97	2.02		# of strides	4.21	2.96
	velocity	7.13	10.14	10.15	9.90	8.96		7.13	10.14
<b>Skanche, Per (NOR) (1992)</b>	time	4.25	7.21	9.19	11.23	11.23	8 / 7		
reaction time	interval		2.96	1.98	2.04		# of strides	4.25	2.96
	velocity	7.06	10.14	10.10	9.80	8.90		7.06	10.14
<b>Gjertsen, Martin Trondseth (NOR)</b>	time	4.32	7.30	9.27	11.28	11.28	7 / 8		
reaction time	interval		2.98	1.97	2.01		# of strides	4.32	2.98
	velocity	6.94	10.07	10.15	9.95	8.87		6.94	10.07

**G FINAL**

		date	28-Jul-13		wind 1.9 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
<b>Ofori, Gilbert (NOR) (1994)</b>	time				4.22		7.14		9.12		11.15	11.15	4 / 1				
reaction time	interval						2.92		1.98		2.03		# of strides	4.22	2.92		
	velocity				7.11		10.27		10.10		9.85	8.97		7.11	10.27		
<b>Jónsson, Óttar (NOR) (1983)</b>	time				4.25		7.21		9.18		11.22	11.22	6 / 2				
reaction time	interval						2.96		1.97		2.04		# of strides	4.25	2.96		
	velocity				7.06		10.14		10.15		9.80	8.91		7.06	10.14		
<b>Gerlach, Mikael (SWE) (1984)</b>	time				4.32		7.31		9.32		11.35	11.35	5 / 3				
reaction time	interval						2.99		2.01		2.03		# of strides	4.32	2.99		
	velocity				6.94		10.03		9.95		9.85	8.81		6.94	10.03		
<b>Näsman, Erik (SWE) (1987)</b>	time				4.31		7.29		9.32		11.46	11.46	3 / 4				
reaction time	interval						2.98		2.03		2.14		# of strides	4.31	2.98		
	velocity				6.96		10.07		9.85		9.35	8.73		6.96	10.07		
<b>Hjelle, Øivind (NOR) (1991)</b>	time				4.24		7.28		9.34		11.50	11.50	7 / 5				
reaction time	interval						3.04		2.06		2.16		# of strides	4.24	3.04		
	velocity				7.08		9.87		9.71		9.26	8.70		7.08	9.87		
<b>Jonsson, Per (SWE) (1988)</b>	time				4.43		7.50		9.57		11.73	11.73	8 / 6				
reaction time	interval						3.07		2.07		2.16		# of strides	4.43	3.07		
	velocity				6.77		9.77		9.66		9.26	8.53		6.77	9.77		

**H FINAL**

		date	28-Jul-13		wind 1.8 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
<b>Rask, Jesper (SWE) (1997)</b>	time				4.35		7.39		9.48		11.64	11.64	4 / 1				
reaction time	interval						3.04		2.09		2.16		# of strides	4.35	3.04		
	velocity				6.90		9.87		9.57		9.26	8.59		6.90	9.87		
<b>Hällman, Simon (SWE) (1996)</b>	time				4.51		7.66		9.73		11.83	11.83	5 / 2				
reaction time	interval						3.15		2.07		2.10		# of strides	4.51	3.15		
	velocity				6.65		9.52		9.66		9.52	8.45		6.65	9.52		
<b>Eriksson, Dennis (SWE) (1993)</b>	time				4.60		7.64		9.73		11.89	11.89	6 / 3				
reaction time	interval						3.04		2.09		2.16		# of strides	4.60	3.04		
	velocity				6.52		9.87		9.57		9.26	8.41		6.52	9.87		
<b>Eriksson, Daniel (SWE) (1996)</b>	time				4.53		7.70		9.78		11.98	11.98	7 / 4				
reaction time	interval						3.17		2.08		2.20		# of strides	4.53	3.17		
	velocity				6.62		9.46		9.62		9.09	8.35		6.62	9.46		

**Heat 8**

		date	28-Jul-13		wind 1.8 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
<b>Magakwe, Simon (RSA) (1985)</b>	time				4.02		6.72		8.50		10.32	10.32	3 / 1				
reaction time	interval						2.70		1.78		1.82		# of strides	4.02	2.70		
	velocity				7.46		11.11		11.24		10.99	9.69		7.46	11.11		
<b>Nevers, Adolphus (JAM) (1990)</b>	time				3.95		6.65		8.48		10.32	10.32	8 / 2				
reaction time	interval						2.70		1.83		1.84		# of strides	3.95	2.70		
	velocity				7.59		11.11		10.93		10.87	9.69		7.59	11.11		
<b>Engel, Roscoe (RSA) (1989)</b>	time				4.07		6.77		8.54		10.34	10.34	2 / 3				
reaction time	interval						2.70		1.77		1.80		# of strides	4.07	2.70		
	velocity				7.37		11.11		11.30		11.11	9.67		7.37	11.11		
<b>Dreyer, Hannes (RSA) (1985)</b>	time				3.99		6.71		8.55		10.44	10.44	6 / 4				
reaction time	interval						2.72		1.84		1.89		# of strides	3.99	2.72		
	velocity				7.52		11.03		10.87		10.58	9.58		7.52	11.03		

<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time	4.00	6.75	8.58	10.47	10.47	4 / 5		
	reaction time		interval	2.75	1.83	1.89	# of strides	4.00	2.75
		velocity	7.50	10.91	10.93	10.58	9.55	7.50	10.91
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time	4.06	6.79	8.62	10.51	10.51	7 / 6		
	reaction time		interval	2.73	1.83	1.89	# of strides	4.06	2.73
		velocity	7.39	10.99	10.93	10.58	9.51	7.39	10.99
<b>Brorsson, Alexander (SWE) (1990)</b>	time	4.00	6.74	8.56	10.63	10.63	5 / 7		
	reaction time		interval	2.74	1.82	2.07	# of strides	4.00	2.74
		velocity	7.50	10.95	10.99	9.66	9.41	7.50	10.95
<b>Brusenback, Chris (SWE) (1993)</b>	time	4.12	6.98	8.92	10.92	10.92	1 / 8		
	reaction time		interval	2.86	1.94	2.00	# of strides	4.12	2.86
		velocity	7.28	10.49	10.31	10.00	9.16	7.28	10.49

**2013 Czech Republic National Championships (Tábor, CZE)****FINAL**

		date	15-Jun-13	wind	Feher (2013) - Final report from the men's & women's Czech Republic national championships														
				0.8 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Stromšík, Zdenek (CZE) (1994)</b>	time		1.96	2.98	3.95	4.86	5.75	6.63	7.53	8.44	9.38	10.32	10.32	10.32	4 / 1				
	reaction time	0.139		interval	1.02	0.97	0.91	0.89	0.88	0.90	0.91	0.94	0.94	<b>NJR</b>	# of strides	3.95	2.68	2.75	
			velocity	5.10	9.80	10.31	10.99	11.24	11.36	11.11	10.99	10.64	10.64	9.69	9.69	7.59	11.19	10.91	
<b>Maslák, Pavel (CZE) (1991)</b>	time		1.96	3.00	3.99	4.91	5.82	6.70	7.59	8.50	9.42	10.36	10.36	10.36	3 / 2				
	reaction time	0.156		interval	1.04	0.99	0.92	0.91	0.88	0.89	0.91	0.92	0.94	<b>PB</b>	# of strides	3.99	2.71	2.72	
			velocity	5.10	9.62	10.10	10.87	10.99	11.36	11.24	10.99	10.87	10.64	9.65	9.65	7.52	11.07	11.03	
<b>Bakalár, Marek (CZE) (1995)</b>	time		1.97	2.98	3.97	4.87	5.78	6.67	7.58	8.51	9.46	10.44	10.44	10.44	5 / 3				
	reaction time	0.148		interval	1.01	0.99	0.90	0.91	0.89	0.91	0.93	0.95	0.98	<b>PB</b>	# of strides	3.97	2.70	2.79	
			velocity	5.08	9.90	10.10	11.11	10.99	11.24	10.99	10.75	10.53	10.20	9.58	9.58	7.56	11.11	10.75	
<b>Zich, Václav (CZE) (1990)</b>	time		1.99	3.07	4.05	5.00	5.93	6.85	7.77	8.70	9.65	10.62	10.62	10.62	7 / 4				
	reaction time	0.156		interval	1.08	0.98	0.95	0.93	0.92	0.92	0.93	0.95	0.97		# of strides	4.05	2.80	2.80	
			velocity	5.03	9.26	10.20	10.53	10.75	10.87	10.87	10.75	10.53	10.31	9.42	9.42	7.41	10.71	10.71	
<b>Šulc, Rostislav (CZE) (1981)</b>	time		2.06	3.16	4.16	5.12	6.06	6.98	7.90	8.83	9.78	10.76	10.76	10.76	8 / 5				
	reaction time	0.174		interval	1.10	1.00	0.96	0.94	0.92	0.92	0.93	0.95	0.98		# of strides	4.16	2.82	2.80	
			velocity	4.85	9.09	10.00	10.42	10.64	10.87	10.87	10.75	10.53	10.20	9.29	9.29	7.21	10.64	10.71	
<b>Benda, Ondrej (CZE) (1985)</b>	time		2.05	3.15	4.15	5.11	6.06	6.99	7.93	8.87	9.84	10.83	10.83	10.83	2 / 6				
	reaction time	0.174		interval	1.10	1.00	0.96	0.95	0.93	0.94	0.94	0.97	0.99		# of strides	4.15	2.84	2.85	
			velocity	4.88	9.09	10.00	10.42	10.53	10.75	10.64	10.64	10.31	10.10	9.23	9.23	7.23	10.56	10.53	
<b>Ríčan, Martin (CZE) (1991)</b>	time		2.03	3.10	4.12	5.08	6.03	6.97	7.92	8.87	9.85	10.86	10.86	10.86	1 / 7				
	reaction time	0.144		interval	1.07	1.02	0.96	0.95	0.94	0.95	0.95	0.98	1.01		# of strides	4.12	2.85	2.88	
			velocity	4.93	9.35	9.80	10.42	10.53	10.64	10.53	10.53	10.20	9.90	9.21	9.21	7.28	10.53	10.42	

**Heat 3**

		date	15-Jun-13	wind	Feher (2013) - Final report from the men's & women's Czech Republic national championships														
				-1.2 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bakalár, Marek (CZE) (1995)</b>	time			3.03		4.95		6.78		8.65		10.59	10.59	10.59	4 / 1				
	reaction time	0.140		interval		1.92		1.83		1.87		1.94			# of strides				
			velocity		6.60		10.42		10.93		10.70		10.31	9.44	9.44				
<b>Zich, Václav (CZE) (1990)</b>	time			3.05		5.01		6.85		8.73		10.65	10.65	10.65	5 / 2				
	reaction time	0.138		interval		1.96		1.84		1.88		1.92			# of strides				
			velocity		6.56		10.20		10.87		10.64		10.42	9.39	9.39				
<b>Ondráček, Jan (CZE) (1988)</b>	time			3.17		5.18		7.07		8.99		10.96	10.96	10.96	6 / 3				
	reaction time	0.146		interval		2.01		1.89		1.92		1.97			# of strides				
			velocity		6.31		9.95		10.58		10.42		10.15	9.12	9.12				
<b>Netymach, Vojtech (CZE) (1995)</b>	time			3.01		5.01		6.91		8.90		10.97	10.97	10.97	3 / 4				
	reaction time	0.142		interval		2.00		1.90		1.99		2.07			# of strides				
			velocity		6.64		10.00		10.53		10.05		9.66	9.12	9.12				
<b>Jonáš, Tomáš (CZE) (1994)</b>	time			3.12		5.13		7.07		9.04		11.11	11.11	11.11	7 / 5				
	reaction time	0.136		interval		2.01		1.94		1.97		2.07			# of strides				
			velocity		6.41		9.95		10.31		10.15		9.66	9.00	9.00				
<b>Feher, Jan (CZE) (1986)</b>	time			3.15		5.22		7.18		9.18		11.21	11.21	11.21	2 / 6				
	reaction time	0.148		interval		2.07		1.96		2.00		2.03			# of strides				
			velocity		6.35		9.66		10.20		10.00		9.85	8.92	8.92				
<b>Lecjaks, Martin (CZE) (1990)</b>	time			3.20		5.25		7.22		9.23		11.34	11.34	11.34	8 / 7				
	reaction time	0.162		interval		2.05		1.97		2.01		2.11			# of strides				

	velocity	6.25	9.76	10.15	9.95	9.48	8.82	
<b>Novák, Luboš (CZE) (1988)</b>	time	3.21	5.29	7.28	9.32	11.42	11.42	1 / 8
reaction time	0.137	interval	2.08	1.99	2.04	2.10		# of strides
	velocity	6.23	9.62	10.05	9.80	9.52	8.76	

## Heat 2

		date	15-Jun-13	wind	-3.2 m/s	<i>Feber (2013) - Final report from the men's &amp; women's Czech Republic national championships</i>												
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Maslák, Pavel (CZE) (1991)</b>	time			3.06	4.99	6.83	8.70	10.64	10.64	10.64	10.64	10.64	10.64	10.64	4 / 1			
reaction time	0.159	interval		1.93	1.84	1.87	1.94											# of strides
	velocity			6.54	10.36	10.87	10.70	10.31	9.40									
<b>Šulc, Rostislav (CZE) (1981)</b>	time			3.11	5.08	6.97	8.89	10.91	10.91	10.91	10.91	10.91	10.91	10.91	5 / 2			
reaction time	0.152	interval		1.97	1.89	1.92	2.02											# of strides
	velocity			6.43	10.15	10.58	10.42	9.90	9.17									
<b>Milo, Lukáš (CZE) (1983)</b>	time			3.06	5.03	6.93	8.90	10.95	10.95	10.95	10.95	10.95	10.95	10.95	6 / 3			
reaction time	0.124	interval		1.97	1.90	1.97	2.05											# of strides
	velocity			6.54	10.15	10.53	10.15	9.76	9.13									
<b>Petrák, Miloslav (CZE) (1993)</b>	time			3.04	5.02	6.94	8.93	11.00	11.00	11.00	11.00	11.00	11.00	11.00	7 / 4			
reaction time	0.140	interval		1.98	1.92	1.99	2.07											# of strides
	velocity			6.58	10.10	10.42	10.05	9.66	9.09									
<b>Nohava, Vojtech (CZE) (1992)</b>	time			3.09	5.09	7.01	8.99	11.00	11.00	11.00	11.00	11.00	11.00	11.00	3 / 5			
reaction time	0.129	interval		2.00	1.92	1.98	2.01											# of strides
	velocity			6.47	10.00	10.42	10.10	9.95	9.09									
<b>Svoboda, Vojtech (CZE) (1995)</b>	time			3.15	5.19	7.14	9.15	11.23	11.23	11.23	11.23	11.23	11.23	11.23	2 / 6			
reaction time	0.139	interval		2.04	1.95	2.01	2.08											# of strides
	velocity			6.35	9.80	10.26	9.95	9.62	8.90									
<b>Feigel, Jíří (CZE) (1997)</b>	time			3.17	5.18	7.13	9.15	11.23	11.23	11.23	11.23	11.23	11.23	11.23	1 / 7			
reaction time	0.177	interval		2.01	1.95	2.02	2.08											# of strides
	velocity			6.31	9.95	10.26	9.90	9.62	8.90									
<b>Kuta, Radim (CZE) (1990)</b>	time			3.23	5.28	7.25	9.31	11.41	11.41	11.41	11.41	11.41	11.41	11.41	8 / 8			
reaction time	0.180	interval		2.05	1.97	2.06	2.10											# of strides
	velocity			6.19	9.76	10.15	9.71	9.52	8.76									

## Heat 1

		date	15-Jun-13	wind	1.4 m/s	<i>Feber (2013) - Final report from the men's &amp; women's Czech Republic national championships</i>												
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Stromšík, Zdenek (CZE) (1994)</b>	time			2.99	4.87	6.68	8.50	10.36	10.36	10.36	10.36	10.36	10.36	10.36	4 / 1			
reaction time	0.152	interval		1.88	1.81	1.82	1.86											# of strides
	velocity			6.69	10.64	11.05	10.99	10.75	9.65									
<b>Kadlec, Marcel (CZE) (1994)</b>	time			3.05	4.95	6.78	8.65	10.58	10.58	10.58	10.58	10.58	10.58	10.58	5 / 2			
reaction time	0.173	interval		1.90	1.83	1.87	1.93											# of strides
	velocity			6.56	10.53	10.93	10.70	10.36	9.45									
<b>Benda, Ondrej (CZE) (1985)</b>	time			3.11	5.06	6.95	8.86	10.84	10.84	10.84	10.84	10.84	10.84	10.84	3 / 3			
reaction time	0.169	interval		1.95	1.89	1.91	1.98											# of strides
	velocity			6.43	10.26	10.58	10.47	10.10	9.23									
<b>Ričar, Martin (CZE) (1991)</b>	time			3.10	5.06	6.95	8.87	10.86	10.86	10.86	10.86	10.86	10.86	10.86	2 / 4			
reaction time	0.121	interval		1.96	1.89	1.92	1.99											# of strides
	velocity			6.45	10.20	10.58	10.42	10.05	9.21									
<b>Sobotka, Ondrej (CZE) (1989)</b>	time			3.17	5.15	7.05	8.98	10.96	10.96	10.96	10.96	10.96	10.96	10.96	6 / 5			
reaction time	0.152	interval		1.98	1.90	1.93	1.98											# of strides
	velocity			6.31	10.10	10.53	10.36	10.10	9.12									
<b>Kuptík, Ondrej (CZE) (1991)</b>	time			3.17	5.14	7.05	9.00	11.01	11.01	11.01	11.01	11.01	11.01	11.01	8 / 6			
reaction time	0.201	interval		1.97	1.91	1.95	2.01											# of strides
	velocity			6.31	10.15	10.47	10.26	9.95	9.08									
<b>Klvana, Filip (CZE) (1977)</b>	time			3.15	5.18	7.14	9.11	11.15	11.15	11.15	11.15	11.15	11.15	11.15	7 / 7			
reaction time	0.131	interval		2.03	1.96	1.97	2.04											# of strides
	velocity			6.35	9.85	10.20	10.15	9.80	8.97									
<b>Macháček, Martin (CZE) (1990)</b>	time			3.13	5.15	7.11	9.12	11.17	11.17	11.17	11.17	11.17	11.17	11.17	1 / 8			
reaction time	0.166	interval		2.02	1.96	2.01	2.05											# of strides
	velocity			6.39	9.90	10.20	9.95	9.76	8.95									

## 2013 Japanese National Championships (Chofu, JPN)

## Heat 1

date 07-Jun-13 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	
Kawatsura, Sota (JPN) (1989)	time	1.88	2.95	3.91	4.83	5.74	6.65	7.55	8.47	9.39	10.33	10.33	9 / 2				
	reaction time		interval	1.07	0.96	0.92	0.91	0.91	0.90	0.92	0.92	0.94		# of strides	3.91	2.74	2.74
	velocity	5.32	9.35	10.42	10.87	10.99	10.99	11.11	10.87	10.87	10.64	9.68		50.0	7.67	10.95	10.95

### 2013 Japanese Multi-Event National Championships (Nagano, JPN)

#### Decathlon - Heat 2

		date	wind	Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance													
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Ushiro, Keisuke (JPN) (1986)	time	01-Jun-13	-2.8 m/s	2.07	3.21	4.26	5.28	6.30	7.33	8.37	9.42	10.49	11.58	7 / 5			
	reaction time		interval	1.14	1.05	1.02	1.02	1.03	1.04	1.05	1.07	1.09		# of strides	4.26	3.07	3.16
	velocity		4.83	8.77	9.52	9.80	9.80	9.71	9.62	9.52	9.35	9.17	8.64		7.04	9.77	9.49

#### Decathlon - Heat 1

		date	wind	Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance													
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Nakamura, Akihiko (JPN) (1990)	time	01-Jun-13	-4.3 m/s	1.99	3.09	4.12	5.13	6.12	7.11	8.10	9.09	10.10	11.12	7 / 2			
	reaction time		interval	1.10	1.03	1.01	0.99	0.99	0.99	1.01	1.02		# of strides	4.12	2.99	2.99	
	velocity		5.03	9.09	9.71	9.90	10.10	10.10	10.10	10.10	9.90	9.80	8.99		7.28	10.03	10.03

### 2013 Mikio Oda Memorial (Hiroshima, JPN)

#### FINAL

		date	wind	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	
Kiryu, Yoshihide (JPN) (1995)	time	29-Apr-13	2.7 m/s	1.89	2.92	3.84	4.72	5.58	6.44	7.30	8.18	9.09	10.03	4 / 1			
	reaction time		interval	1.03	0.92	0.88	0.86	0.86	0.86	0.88	0.91	0.94		# of strides	3.84	2.60	2.65
	velocity		5.29	9.71	10.87	11.36	11.63	11.63	11.63	11.36	10.99	10.64	9.97		47.0	7.81	11.54
Yamagata, Ryota (JPN) (1992)	time			1.88	2.91	3.83	4.72	5.59	6.45	7.32	8.21	9.11	10.04	5 / 2			
	reaction time		interval	1.03	0.92	0.89	0.87	0.86	0.87	0.89	0.90	0.93		# of strides	3.83	2.62	2.66
	velocity		5.32	9.71	10.87	11.24	11.49	11.63	11.49	11.24	11.11	10.75	9.96		47.5	7.83	11.45
Eriguchi, Masashi (JPN) (1988)	time			1.89	2.92	3.86	4.75	5.63	6.51	7.38	8.28	9.20	10.15	3 / 3			
	reaction time		interval	1.03	0.94	0.89	0.88	0.88	0.87	0.90	0.92	0.95		# of strides	3.86	2.65	2.69
	velocity		5.29	9.71	10.64	11.24	11.36	11.36	11.49	11.11	10.87	10.53	9.85		48.0	7.77	11.32

#### Heat 3

		date	wind	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	
Kiryu, Yoshihide (JPN) (1995)	time	29-Apr-13	0.9 m/s	1.89	2.90	3.81	4.69	5.55	6.41	7.27	8.15	9.06	10.01	3 / 1			
	reaction time		interval	1.01	0.91	0.88	0.86	0.86	0.86	0.88	0.91	0.95	PB	# of strides	3.81	2.60	2.65
	velocity		5.29	9.90	10.99	11.36	11.63	11.63	11.63	11.36	10.99	10.53	9.99		47.3	7.87	11.54
Takase, Kei (JPN) (1988)	time			1.92	2.96	3.90	4.80	5.70	6.58	7.47	8.38	9.30	10.23	8 / 2			
	reaction time		interval	1.04	0.94	0.90	0.90	0.88	0.89	0.91	0.92	0.93	PB	# of strides	3.90	2.68	2.72
	velocity		5.21	9.62	10.64	11.11	11.11	11.36	11.24	10.99	10.87	10.75	9.78		47.0	7.69	11.19
Iizuka, Shota (JPN) (1991)	time			1.92	2.98	3.94	4.84	5.73	6.62	7.51	8.41	9.33	10.28	4 / 3			
	reaction time		interval	1.06	0.96	0.90	0.89	0.89	0.89	0.90	0.92	0.95	PB	# of strides	3.94	2.68	2.71
	velocity		5.21	9.43	10.42	11.11	11.24	11.24	11.24	11.11	10.87	10.53	9.73		47.2	7.61	11.19

### 2013 Wakayama Athletics Meeting (Wakayama, JPN)

#### Decathlon - Heat 2

		date	wind	Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance													
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Ushiro, Keisuke (JPN) (1986)	time	26-Apr-13	1.0 m/s	2.09	3.24	4.29	5.29	6.30	7.30	8.32	9.35	10.39	11.47	5 / 7			
	reaction time		interval	1.15	1.05	1.00	1.01	1.00	1.02	1.03	1.04	1.08		# of strides	4.29	3.01	3.09
	velocity		4.78	8.70	9.52	10.00	9.90	10.00	9.80	9.71	9.62	9.26	8.72		6.99	9.97	9.71

#### Decathlon - Heat 1

		date	wind	Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance													
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Nakamura, Akihiko (JPN) (1990)	time	26-Apr-13	-1.5 m/s	2.00	3.08	4.07	5.02	5.96	6.90	7.84	8.79	9.75	10.75	5 / 2			
	reaction time		interval	1.08	0.99	0.95	0.94	0.94	0.94	0.95	0.96	1.00		# of strides	4.07	2.83	2.85
	velocity		5.00	9.26	10.10	10.53	10.64	10.64	10.64	10.53	10.42	10.00	9.30		7.37	10.60	10.53

### 2013 European Indoor Championships (Göteborg, SWE)

#### FINAL

		date	Blomkvist (2013) - www.elitlandslag.se/SprintHäck/KortSprint.aspx										Official Time	Lane / Place	0-30m	30-60m
		10m	20m	30m	40m	50m	60m									
Vicaud, Jimmy (FRA) (1992)	time	02-Mar-13	2.91			4.74	6.48					6.48	6 / 1			
	reaction time	0.153	interval		1.83	1.74					PB	# of strides				
	velocity		6.87		10.93	11.49					9.26	29.7				
Dasalu, James (GBR) (1987)	time		2.91		4.74	6.48					6.48	5 / 2				
	reaction time	0.151	interval		1.83	1.74					PB	# of strides				
	velocity		6.87		10.93	11.49					9.26	28.0				
Tumi, Michael (ITA) (1990)	time		2.91		4.75	6.52					6.52	3 / 3				
	reaction time	0.160	interval		1.84	1.77						# of strides				
	velocity		6.87		10.87	11.30					9.20	29.2				

<b>Saidy Ndure, Jaysuma (NOR) (199)</b>	time	2.95	4.82	6.61	6.61	4 / 4
reaction time	0.149	interval	1.87	1.79		# of strides
		velocity	6.78	10.70	11.17	9.08
						27.7
<b>Rose, Odain (SWE) (1992)</b>	time	2.92	4.79	6.62	6.62	8 / 5
reaction time	0.147	interval	1.87	1.83	<b>PB</b>	# of strides
		velocity	6.85	10.70	10.93	9.06
						29.0
<b>Reus, Julian (GER) (1988)</b>	time	2.94	4.82	6.62	6.62	1 / 6
reaction time	1.370	interval	1.88	1.80		# of strides
		velocity	6.80	10.64	11.11	9.06
						29.7
<b>Aikines-Aryeetey, Harry (GBR) (19)</b>	time	2.97	4.84	6.63	6.63	7 / 7
reaction time	0.150	interval	1.87	1.79		# of strides
		velocity	6.73	10.70	11.17	9.05
						28.7
<b>Biron, Emmanuel (FRA) (1988)</b>	time	2.95	4.83	6.63	6.63	2 / 8
reaction time	0.151	interval	1.88	1.80		# of strides
		velocity	6.78	10.64	11.11	9.05
						29.0

**Semi-Final 1**date 02-Mar-13 *Blomkvist (2013) - www.elitlandsag.se/SprintHäck/KortSprint.aspx*

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time	2.98	4.86	6.67	6.67	8 / 6					
reaction time	0.145	interval	1.88	1.81	<b>PB</b>	# of strides					
		velocity	6.71	10.64	11.05	9.00					
						31.0					
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time	2.98	4.89	6.73	6.73	2 / 7					
reaction time	0.143	interval	1.91	1.84		# of strides					
		velocity	6.71	10.47	10.87	8.92					
						27.2					

**2012 Kokutai National Sport Festival (Gifu, JPN)****Semi-Final 2**date 06-Oct-12 wind 1.4 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
<b>Motoshio, Ryo (JPN) (1990)</b>	time	1.91	2.97	3.92	4.84	5.74	6.64	7.54	8.45	9.37	10.31	10.31	4 / 1			
reaction time		interval	1.06	0.95	0.92	0.90	0.90	0.91	0.92	0.94	<b>PB</b>	# of strides	3.92	2.72	2.73	
		velocity	5.24	9.43	10.53	10.87	11.11	11.11	10.99	10.87	10.64	9.70	45.2	7.65	11.03	10.99

**2012 Olympic Games (London, GBR)****Decathlon - Heat 2**date 08-Aug-12 wind 0.7 m/s *Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	1.99	3.14	4.19	5.20	6.19	7.18	8.19	9.21	10.25	11.32	11.32	8 / 5			
reaction time	0.183	interval	1.15	1.05	1.01	0.99	0.99	1.01	1.02	1.04	1.07	# of strides	4.19	2.99	3.07	
		velocity	5.03	8.70	9.52	9.90	10.10	10.10	9.90	9.80	9.62	8.83	46.7	7.16	10.03	9.77

*Vazel (2020) - https://twitter.com/pjvazel/status/1297188878311284745?s=21**Zhang (2016) - analysis on the winning factors of the men's 100m race at the 30th Olympic Games***FINAL**date 05-Aug-12 wind 1.5 m/s *Mačkala (2013) - a kinematics analysis of three best 100m performances ever*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bolt, Usain (JAM) (1986)</b>	time	1.91	2.92	3.84	4.70	5.54	6.36	7.17	7.98	8.80	9.63	9.63	7 / 1			<i>Mačkala (2013)</i>
reaction time	0.165	interval	1.01	0.92	0.86	0.84	0.82	0.81	0.81	0.82	0.83	<b>OR</b>	# of strides	3.84	2.52	2.44
		velocity	5.24	9.90	10.87	11.63	11.90	12.20	12.35	12.35	12.20	10.38	41.0	7.81	11.90	12.30
<b>Blake, Yohan (JAM) (1989)</b>	time	1.83	2.86	3.76	4.61	5.47	6.32	7.16	8.01	8.87	9.75	9.75	5 / 2			<i>Zhang (2016)</i>
reaction time	0.179	interval	1.03	0.90	0.85	0.86	0.85	0.84	0.85	0.86	0.88	<b>=PB</b>	# of strides	3.76	2.56	2.55
		velocity	5.46	9.71	11.11	11.76	11.63	11.76	11.90	11.76	11.63	10.26	45.7	7.98	11.72	11.76
<b>Gatlin, Justin (USA) (1982)</b>	time			3.80		6.37		8.05		9.79	9.79	9.79	6 / 3			<i>Vazel (2020)</i>
reaction time	0.178	interval				2.57		1.68		1.74	<b>PB</b>	# of strides	3.80	2.57		
		velocity		7.89		11.67		11.90		11.49	10.21	42.2	7.89	11.67		
<b>Tyson, Gay (USA) (1982)</b>	0.145	no information available										<b>DQ</b>	9.80	4 / <del>4</del>	# of strides	45.2
<b>Bailey, Ryan (USA) (1989)</b>	0.176	no information available										<b>PB</b>	9.88	8 / <del>5</del> 4	# of strides	43.2
<b>Martina, Churandy (NED) (1984)</b>	0.139	no information available											9.94	9 / <del>6</del> 5	# of strides	45.5
<b>Thompson, Richard (TRI) (1985)</b>	0.160	no information available											9.98	2 / <del>7</del> 6	# of strides	44.0
<b>Powell, Asafa (JAM) (1982)</b>	time	1.85	2.86	3.75	4.60	5.46						11.99	3 / <del>2</del> 7			<i>Zhang (2016)</i>
reaction time	0.155	interval	1.01	0.89	0.85	0.86						# of strides	3.75			
		velocity	5.41	9.90	11.24	11.76	11.63					8.34	8.00			

**2012 Japanese National High School Championships (Niigata, JPN)****FINAL**date 30-Jul-12 wind 0.0 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
<b>Oseto, Kazuma (JPN) (1994)</b>	time					5.81	6.69	7.61	8.54	9.49	10.47	10.47	4 / 1			
reaction time		interval				0.88	0.92	0.93	0.95	0.98		# of strides			2.80	
		velocity				8.61	11.36	10.87	10.75	10.53	10.20	9.55			10.71	
<b>Hashimoto, Akiyuki (JPN) (1994)</b>	time					5.85	6.75	7.65	8.59	9.53	10.50	10.50	7 / 2			

	reaction time	interval		0.90	0.90	0.94	0.94	0.97						# of strides	2.78
		velocity	8.55	11.11	11.11	10.64	10.64	10.31	9.52						10.79
<b>Sanuki, Nariyoshi (JPN) (1994)</b>	time		5.89	6.79	7.70	8.65	9.60	10.59	10.59					6 / 3	
	reaction time	interval		0.90	0.91	0.95	0.95	0.99						# of strides	2.81
		velocity	8.49	11.11	10.99	10.53	10.53	10.10	9.44						10.68
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time		5.86	6.76	7.69	8.64	9.61	10.63	10.63					5 / 4	
	reaction time	interval		0.90	0.93	0.95	0.97	1.02						# of strides	2.85
		velocity	8.53	11.11	10.75	10.53	10.31	9.80	9.41						10.53
<b>Kanamori, Kazuki (JPN) (1994)</b>	time		5.93	6.84	7.76	8.71	9.66	10.63	10.63					3 / 5	
	reaction time	interval		0.91	0.92	0.95	0.95	0.97						# of strides	2.82
		velocity	8.43	10.99	10.87	10.53	10.53	10.31	9.41						10.64
<b>Uozato, Yusuke (JPN) (1994)</b>	time		5.92	6.83	7.75	8.70	9.66	10.65	10.65					1 / 6	
	reaction time	interval		0.91	0.92	0.95	0.96	0.99						# of strides	2.83
		velocity	8.45	10.99	10.87	10.53	10.42	10.10	9.39						10.60
<b>Koike, Yuki (JPN) (1995)</b>	time		5.93	6.85	7.77	8.72	9.67	10.65	10.65					2 / 7	
	reaction time	interval		0.92	0.92	0.95	0.95	0.98						# of strides	2.82
		velocity	8.43	10.87	10.87	10.53	10.53	10.20	9.39						10.64
<b>Kawakami, Takuya (JPN) (1995)</b>	time		5.88	6.79	7.73	8.69	9.66	10.67	10.67					9 / 8	
	reaction time	interval		0.91	0.94	0.96	0.97	1.01						# of strides	2.87
		velocity	8.50	10.99	10.64	10.42	10.31	9.90	9.37						10.45
<b>Suda, Hayato (JPN) (1994)</b>	time		5.85	6.76	7.69	8.66	9.65	10.68	10.68					8 / 9	
	reaction time	interval		0.91	0.93	0.97	0.99	1.03						# of strides	2.89
		velocity	8.55	10.99	10.75	10.31	10.10	9.71	9.36						10.38

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

date		17-Jun-12		wind 0.1 m/s										(2012) - <a href="http://www.elitandslag.se/SprintHack/KortSprint.aspx">www.elitandslag.se/SprintHack/KortSprint.aspx</a>			
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Collio, Simone (ITA) (1979)</b>	time			3.99			6.70		8.49		10.34	10.34	/ 1				
	reaction time						2.71		1.79		1.85		# of strides	3.99	2.71		
				7.52			11.07		11.17		10.81	9.67		7.52	11.07		
<b>Dreyer, Hannes (RSA) (1985)</b>	time			3.95			6.70		8.53		10.43	10.43	/ 2				
	reaction time						2.75		1.83		1.90		# of strides	3.95	2.75		
				7.59			10.91		10.93		10.53	9.59		7.59	10.91		
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time			4.03			6.78		8.62		10.52	10.52	/ 3				
	reaction time						2.75		1.84		1.90		# of strides	4.03	2.75		
				7.44			10.91		10.87		10.53	9.51		7.44	10.91		
<b>Colvert, Steven (IRL) (1990)</b>	time			4.11			6.87		8.68		10.53	10.53	/ 4				
	reaction time						2.76		1.81		1.85		# of strides	4.11	2.76		
				7.30			10.87		11.05		10.81	9.50		7.30	10.87		
<b>Olsson, Benjamin (SWE) (1991)</b>	time			4.11			6.92		8.75		10.64	10.64	/ 5				
	reaction time						2.81		1.83		1.89		# of strides	4.11	2.81		
				7.30			10.68		10.93		10.58	9.40		7.30	10.68		
<b>Sennung, David (SWE) (1991)</b>	time			4.11			6.92		8.78		10.69	10.69	/ 6				
	reaction time						2.81		1.86		1.91		# of strides	4.11	2.81		
				7.30			10.68		10.75		10.47	9.35		7.30	10.68		
<b>Rose, Odain (SWE) (1992)</b>	time			4.03			6.88		8.81		11.15	11.15	/ 7				
	reaction time						2.85		1.93		2.34		# of strides	4.03	2.85		
				7.44			10.53		10.36		8.55	8.97		7.44	10.53		

**B FINAL**

date		17-Jun-12		wind 1.0 m/s										(2012) - <a href="http://www.elitandslag.se/SprintHack/KortSprint.aspx">www.elitandslag.se/SprintHack/KortSprint.aspx</a>			
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>de Oliveira, Nil (SWE) (1986)</b>	time			4.06			6.81		8.63		10.49	10.49	/ 1				
	reaction time						2.75		1.82		1.86		# of strides	4.06	2.75		
				7.39			10.91		10.99		10.75	9.53		7.39	10.91		
<b>Hession, Paul (IRL) (1983)</b>	time			4.07			6.85		8.66		10.53	10.53	/ 2				
	reaction time						2.78		1.81		1.87		# of strides	4.07	2.78		
				7.37			10.79		11.05		10.70	9.50		7.37	10.79		
<b>Åberg, Oskar (SWE) (1989)</b>	time			4.08			6.90		8.77		10.71	10.71	/ 3				
	reaction time						2.82		1.87		1.94		# of strides	4.08	2.82		
				7.35			10.64		10.70		10.31	9.34		7.35	10.64		

<b>Armfelt, Carl (SWE) (1984)</b>	time	4.13	7.02	8.92	10.89	10.89	/ 4		
	reaction time	interval	2.89	1.90	1.97		# of strides	4.13	2.89
	velocity	7.26	10.38	10.53	10.15	9.18		7.26	10.38
<b>Karlsson, Alexander (NOR) (1988)</b>	time	4.18	7.04	8.93	10.91	10.91	/ 5		
	reaction time	interval	2.86	1.89	1.98		# of strides	4.18	2.86
	velocity	7.18	10.49	10.58	10.10	9.17		7.18	10.49
<b>Wulff, Jonathan (SWE) (1994)</b>	time	4.17	7.03	8.93	10.91	10.91	/ 6		
	reaction time	interval	2.86	1.90	1.98		# of strides	4.17	2.86
	velocity	7.19	10.49	10.53	10.10	9.17		7.19	10.49
<b>Darkwah, Tony (SWE) (1986)</b>	time	4.19	7.05	8.96	10.93	10.93	/ 7		
	reaction time	interval	2.86	1.91	1.97		# of strides	4.19	2.86
	velocity	7.16	10.49	10.47	10.15	9.15		7.16	10.49

**C FINAL**

date 17-Jun-12 wind 2.8 m/s (2012) - www.elitfandslag.se/SprintHäck/KortSprint.aspx

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Lysne, Torbjørn (NOR) (1990)</b>	time			4.18			6.98		8.82		10.70	10.70	/ 1			
	reaction time	interval				2.80		1.84		1.88			# of strides	4.18	2.80	
	velocity	7.18				10.71		10.87		10.64		9.35		7.18	10.71	
<b>Ojuri, Sunday (SWE) (1993)</b>	time			4.21			7.03		8.90		10.84	10.84	/ 2			
	reaction time	interval				2.82		1.87		1.94			# of strides	4.21	2.82	
	velocity	7.13				10.64		10.70		10.31		9.23		7.13	10.64	
<b>Engwall, Andreas (SWE) (1992)</b>	time			4.16			7.01		8.90		10.85	10.85	/ 3			
	reaction time	interval				2.85		1.89		1.95			# of strides	4.16	2.85	
	velocity	7.21				10.53		10.58		10.26		9.22		7.21	10.53	
<b>Fossøy, Jostein (NOR) (1992)</b>	time			4.10			6.95		8.86		10.86	10.86	/ 4			
	reaction time	interval				2.85		1.91		2.00			# of strides	4.10	2.85	
	velocity	7.32				10.53		10.47		10.00		9.21		7.32	10.53	
<b>Brännström, André (SWE) (1987)</b>	time			4.21			7.06		8.94		10.89	10.89	/ 5			
	reaction time	interval				2.85		1.88		1.95			# of strides	4.21	2.85	
	velocity	7.13				10.53		10.64		10.26		9.18		7.13	10.53	
<b>Hollund, Jarle (NOR) (1988)</b>	time			4.15			7.01		8.92		10.91	10.91	/ 6			
	reaction time	interval				2.86		1.91		1.99			# of strides	4.15	2.86	
	velocity	7.23				10.49		10.47		10.05		9.17		7.23	10.49	
<b>Nordkvist, Robin (SWE) (1993)</b>	time			4.29			7.21		9.15		11.22	11.22	/ 7			
	reaction time	interval				2.92		1.94		2.07			# of strides	4.29	2.92	
	velocity	6.99				10.27		10.31		9.66		8.91		6.99	10.27	

**D FINAL**

date 17-Jun-12 wind 2.5 m/s (2012) - www.elitfandslag.se/SprintHäck/KortSprint.aspx

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Andersson, David (SWE) (1985)</b>	time			4.17			7.06		8.97		10.93	10.93	/ 1			
	reaction time	interval				2.89		1.91		1.96			# of strides	4.17	2.89	
	velocity	7.19				10.38		10.47		10.20		9.15		7.19	10.38	
<b>Øien, Vegard (NOR) (1990)</b>	time			4.17			7.07		8.99		10.97	10.97	/ 2			
	reaction time	interval				2.90		1.92		1.98			# of strides	4.17	2.90	
	velocity	7.19				10.34		10.42		10.10		9.12		7.19	10.34	
<b>Buhagen, Kristoffer (NOR) (1992)</b>	time			4.15			7.07		9.00		10.98	10.98	/ 3			
	reaction time	interval				2.92		1.93		1.98			# of strides	4.15	2.92	
	velocity	7.23				10.27		10.36		10.10		9.11		7.23	10.27	
<b>Ofori, Gilbert (NOR) (1994)</b>	time			4.21			7.13		9.06		11.04	11.04	/ 4			
	reaction time	interval				2.92		1.93		1.98			# of strides	4.21	2.92	
	velocity	7.13				10.27		10.36		10.10		9.06		7.13	10.27	
<b>Storhaug, Lars Jøran (NOR) (1989)</b>	time			4.21			7.12		9.06		11.08	11.08	/ 5			
	reaction time	interval				2.91		1.94		2.02			# of strides	4.21	2.91	
	velocity	7.13				10.31		10.31		9.90		9.03		7.13	10.31	
<b>Zirignon, Jean Christian (SWE) (1991)</b>	time			4.22			7.14		9.12		11.18	11.18	/ 6			
	reaction time	interval				2.92		1.98		2.06			# of strides	4.22	2.92	
	velocity	7.11				10.27		10.10		9.71		8.94		7.11	10.27	
<b>Grønnhaug, Jonas (NOR) (1989)</b>	time			4.20			7.19		9.17		11.19	11.19	/ 7			
	reaction time	interval				2.99		1.98		2.02			# of strides	4.20	2.99	
	velocity	7.14				10.03		10.10		9.90		8.94		7.14	10.03	

## E FINAL

		date	17-Jun-12		wind 1.4 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		
Elvung-Nilsson, Viktor (SWE) (199)	time				4.30			7.24		9.18		11.17	11.17	/ 1					
	reaction time	interval						2.94		1.94		1.99		# of strides	4.30	2.94			
		velocity				6.98			10.20		10.31		10.05	8.95		6.98	10.20		
Lilja, Johan (SWE) (1995)	time				4.26			7.22		9.18		11.23	11.23	/ 2					
	reaction time	interval						2.96		1.96		2.05		# of strides	4.26	2.96			
		velocity				7.04			10.14		10.20		9.76	8.90		7.04	10.14		
Gerlach, Mikael (SWE) (1984)	time				4.43			7.50		9.54		11.64	11.64	/ 3					
	reaction time	interval						3.07		2.04		2.10		# of strides	4.43	3.07			
		velocity				6.77			9.77		9.80		9.52	8.59		6.77	9.77		
Jonsson, Per (SWE) (1988)	time				4.44			7.52		9.58		11.71	11.71	/ 4					
	reaction time	interval						3.08		2.06		2.13		# of strides	4.44	3.08			
		velocity				6.76			9.74		9.71		9.39	8.54		6.76	9.74		
Mårtensson, Erik (SWE) (1994)	time				4.40			7.52		9.64		11.79	11.79	/ 5					
	reaction time	interval						3.12		2.12		2.15		# of strides	4.40	3.12			
		velocity				6.82			9.62		9.43		9.30	8.48		6.82	9.62		
Ekholm, Andrej (SWE) (1989)	time				4.39			7.50		9.60		11.80	11.80	/ 6					
	reaction time	interval						3.11		2.10		2.20		# of strides	4.39	3.11			
		velocity				6.83			9.65		9.52		9.09	8.47		6.83	9.65		
Johansson, Oscar (SWE) (1992)	time				4.43			8.79					dnf	/ --					
	reaction time	interval						4.36						# of strides	4.43	4.36			
		velocity				6.77			6.88							6.77	6.88		

## F FINAL

		date	17-Jun-12		wind 1.2 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		
Eriksson, Daniel (SWE) (1996)	time				4.52			7.70		9.83		12.07	12.07	/ 1					
	reaction time	interval						3.18		2.13		2.24		# of strides	4.52	3.18			
		velocity				6.64			9.43		9.39		8.93	8.29		6.64	9.43		
Pettersson, Andreas (SWE) (1996)	time				4.59			7.85		9.99		12.20	12.20	/ 2					
	reaction time	interval						3.26		2.14		2.21		# of strides	4.59	3.26			
		velocity				6.54			9.20		9.35		9.05	8.20		6.54	9.20		

## 2012 Japanese National Championships (Osaka, JPN)

## Heat 3

		date	08-Jun-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		
Kuki, Takumi (JPN) (1992)	time		1.92	2.97	3.90	4.81	5.70	6.58	7.47	8.38	9.29	10.23	10.23	3 / 2					
	reaction time	interval		1.05	0.93	0.91	0.89	0.88	0.89	0.91	0.91	0.94	PB	# of strides	3.90	2.68	2.71		
		velocity		5.21	9.52	10.75	10.99	11.24	11.36	11.24	10.99	10.99	10.64	9.78		47.2	7.69	11.19	

## 2012 Japanese Multi-Event National Championships (Nagano, JPN)

## Decathlon - Heat 2

		date	02-Jun-12		wind 1.2 m/s												Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
Ushiro, Keisuke (JPN) (1986)	time		2.06	3.17	4.20	5.20	6.18	7.17	8.16	9.18	10.22	11.29	11.29	5 / 6					
	reaction time	interval		1.11	1.03	1.00	0.98	0.99	0.99	1.02	1.04	1.07		# of strides	4.20	2.97	3.05		
		velocity		4.85	9.01	9.71	10.00	10.20	10.10	10.10	9.80	9.62	9.35	8.86		7.14	10.10	9.84	

## Decathlon - Heat 1

		date	02-Jun-12		wind -0.6 m/s												Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
Nakamura, Akihiko (JPN) (1990)	time		2.01	3.10	4.08	5.04	5.99	6.94	7.88	8.84	9.81	10.81	10.81	6 / 2					
	reaction time	interval		1.09	0.98	0.96	0.95	0.95	0.94	0.96	0.97	1.00		# of strides	4.08	2.86	2.87		
		velocity		4.98	9.17	10.20	10.42	10.53	10.53	10.64	10.42	10.31	10.00	9.25		7.35	10.49	10.45	

## 2012 Mikio Oda Memorial (Hiroshima, JPN)

## Heat 2

		date	29-Apr-12		wind 2.0 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		
Fujimitsu, Kenji (JPN) (1986)	time		1.99	3.05	4.02	4.95	5.86	6.75	7.65	8.54	9.44	10.35	10.35	8 / 3					
	reaction time	interval		1.06	0.97	0.93	0.91	0.89	0.90	0.89	0.90	0.91	PB	# of strides	4.02	2.73	2.69		
		velocity		5.03	9.43	10.31	10.75	10.99	11.24	11.11	11.24	11.11	10.99	9.66		46.0	7.46	10.99	
Saito, Hitoshi (JPN) (1986)	time		1.95	3.03	4.01	4.94	5.85	6.75	7.65	8.54	9.44	10.36	10.36	7 / 4					
	reaction time	interval		1.08	0.98	0.93	0.91	0.90	0.90	0.89	0.90	0.92		# of strides	4.01	2.74	2.69		
		velocity		5.13	9.26	10.20	10.75	10.99	11.11	11.11	11.24	11.11	10.87	9.65		46.2	7.48	10.95	

## Heat 1

		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		
Kotani, Yusuke (JPN) (1989)	time		1.90	2.95	3.90	4.81	5.70	6.59	7.48	8.38	9.28	10.21	10.21	3 / 2					
	reaction time	interval		1.05	0.95	0.91	0.89	0.89	0.89	0.90	0.90	0.93	PB	# of strides	3.90	2.69	2.69		



	velocity	5.26	9.52	10.53	10.99	11.24	11.24	11.24	11.11	11.11	10.75	9.79	48.7	7.69	11.15	11.15
<b>Oseto, Kazuma (JPN) (1994)</b>	time	1.92	2.96	3.90	4.81	5.70	6.60	7.50	8.39	9.30	10.23	10.23	7 / 3			
reaction time	interval		1.04	0.94	0.91	0.89	0.90	0.90	0.89	0.91	0.93	<b>NJR / PB</b>	# of strides	3.90	2.70	2.70
	velocity	5.21	9.62	10.64	10.99	11.24	11.11	11.11	11.24	10.99	10.75	9.78	47.2	7.69	11.11	11.11
<b>Tsukahara, Naoki (JPN) (1985)</b>	time	1.90	2.95	3.90	4.82	5.72	6.62	7.52	8.42	9.33	10.25	10.25	2 / 4			
reaction time	interval		1.05	0.95	0.92	0.90	0.90	0.90	0.90	0.91	0.92		# of strides	3.90	2.72	2.71
	velocity	5.26	9.52	10.53	10.87	11.11	11.11	11.11	11.11	10.99	10.87	9.76	46.5	7.69	11.03	11.07
<b>Takahira, Shinji (JPN) (1984)</b>	time	1.94	2.99	3.93	4.85	5.75	6.64	7.54	8.44	9.35	10.29	10.29	4 / 5			
reaction time	interval		1.05	0.94	0.92	0.90	0.89	0.90	0.90	0.91	0.94		# of strides	3.93	2.71	2.71
	velocity	5.15	9.52	10.64	10.87	11.11	11.24	11.11	11.11	10.99	10.64	9.72	43.2	7.63	11.07	11.07
<b>Kimura, Shintaro (JPN) (1987)</b>	time	1.88	2.93	3.87	4.79	5.69	6.60	7.50	8.42	9.34	10.29	10.29	5 / 6			
reaction time	interval		1.05	0.94	0.92	0.90	0.91	0.90	0.92	0.92	0.95		# of strides	3.87	2.73	2.74
	velocity	5.32	9.52	10.64	10.87	11.11	10.99	11.11	10.87	10.87	10.53	9.72	48.2	7.75	10.99	10.95

**2012 Tokyo Athletics Championships (Chofu, JPN)****Decathlon - Heat ??**

date	21-Apr-12	wind	0.6 m/s	<i>Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance</i>														
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.10	3.23	4.27	5.28	6.27	7.27	8.28	9.30	10.34	11.41	11.41	11.41	11.41	???			
reaction time	interval		1.13	1.04	1.01	0.99	1.00	1.01	1.02	1.04	1.07			# of strides	4.27	3.00	3.07	
	velocity	4.76	8.85	9.62	9.90	10.10	10.00	9.90	9.80	9.62	9.35	8.76				7.03	10.00	9.77

**Decathlon - Heat ??**

date	21-Apr-12	wind	-0.6 m/s	<i>Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance</i>														
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.96	3.05	4.04	5.00	5.95	6.89	7.85	8.80	9.77	10.75	10.75	10.75	10.75	???			
reaction time	interval		1.09	0.99	0.96	0.95	0.94	0.96	0.95	0.97	0.98			# of strides	4.04	2.85	2.88	
	velocity	5.10	9.17	10.10	10.42	10.53	10.64	10.42	10.53	10.31	10.20	9.30				7.43	10.53	10.42

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

date	25-Feb-12	wind		<i>Feher (2012) - Czech Republic indoor national championships - men's 60m</i>											
				10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Žilka, Libor (CZE) (1986)</b>	time	0.127	1.88	2.98	3.95	4.90	5.80	6.73	6.73	6.73	4 / 1				
reaction time	interval			1.10	0.97	0.95	0.90	0.93			# of strides	3.95	2.78		
	velocity		5.32	9.09	10.31	10.53	11.11	10.75	8.92			7.59	10.79		
<b>Maslák, Pavel (CZE) (1991)</b>	time	0.145	1.91	3.03	4.00	4.93	5.85	6.77	6.77	6.77	5 / 2				
reaction time	interval			1.12	0.97	0.93	0.92	0.92			# of strides	4.00	2.77		
	velocity		5.24	8.93	10.31	10.75	10.87	10.87	8.86			7.50	10.83		
<b>Zich, Václav (CZE) (1990)</b>	time	0.110	1.92	3.02	4.00	4.93	5.85	6.78	6.78	6.78	3 / 3				
reaction time	interval			1.10	0.98	0.93	0.92	0.93		<b>PB</b>	# of strides	4.00	2.78		
	velocity		5.21	9.09	10.20	10.75	10.87	10.75	8.85			7.50	10.79		
<b>Štastný, Lukáš (CZE) (1991)</b>	time	0.131	1.95	3.06	4.04	4.97	5.90	6.82	6.82	6.82	7 / 4				
reaction time	interval			1.11	0.98	0.93	0.93	0.92		<b>PB</b>	# of strides	4.04	2.78		
	velocity		5.13	9.01	10.20	10.75	10.75	10.87	8.80			7.43	10.79		
<b>Šulc, Vojtech (CZE) (1986)</b>	time	0.153	1.97	3.07	4.06	5.00	5.92	6.85	6.85	6.85	6 / 5				
reaction time	interval			1.10	0.99	0.94	0.92	0.93		<b>PB</b>	# of strides	4.06	2.79		
	velocity		5.08	9.09	10.10	10.64	10.87	10.75	8.76			7.39	10.75		
<b>Bakalár, Marek (CZE) (1995)</b>	time	0.157	1.93	3.03	4.03	4.99	5.92	6.90	6.90	6.90	8 / 6				
reaction time	interval			1.10	1.00	0.96	0.93	0.98			# of strides	4.03	2.87		
	velocity		5.18	9.09	10.00	10.42	10.75	10.20	8.70			7.44	10.45		
<b>Kadlec, Marcel (CZE) (1994)</b>	time	0.162	1.96	3.08	4.08	5.03	5.97	6.93	6.93	6.93	2 / 7				
reaction time	interval			1.12	1.00	0.95	0.94	0.96			# of strides	4.08	2.85		
	velocity		5.10	8.93	10.00	10.53	10.64	10.42	8.66			7.35	10.53		
<b>Šulc, Rostislav (CZE) (1981)</b>	time	0.152	1.97	3.09	4.10	5.06	6.00	6.96	6.96	6.96	1 / 8				
reaction time	interval			1.12	1.01	0.96	0.94	0.96			# of strides	4.10	2.86		
	velocity		5.08	8.93	9.90	10.42	10.64	10.42	8.62			7.32	10.49		

**Semi-Final 2**

date	25-Feb-12	wind		<i>Feher (2012) - Czech Republic indoor national championships - men's 60m</i>											
				10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Maslák, Pavel (CZE) (1991)</b>	time	0.143	1.93	3.03	4.05	4.97	5.89	6.82	6.82	6.82	4 / 1				
reaction time	interval			1.10	1.02	0.92	0.92	0.93			# of strides	4.05	2.77		
	velocity		5.18	9.09	9.80	10.87	10.87	10.75	8.80			7.41	10.83		
<b>Zich, Václav (CZE) (1990)</b>	time	0.126	1.95	3.07	4.08	4.99	5.90	6.84	6.84	6.84	3 / 2				
reaction time	interval			1.12	1.01	0.91	0.91	0.94			# of strides	4.08	2.76		
	velocity		5.13	8.93	9.90	10.99	10.99	10.64	8.77			7.35	10.87		

<b>Štastny, Lukáš (CZE) (1991)</b>	time	1.97	3.08	4.08	4.99	5.92	6.85	6.85	5 / 3		
	reaction time	0.146	interval	1.11	1.00	0.91	0.93	0.93	# of strides	4.08	2.77
	velocity	5.08	9.01	10.00	10.99	10.75	10.75	8.76		7.35	10.83
<b>Kadlec, Marcel (CZE) (1994)</b>	time	1.95	3.06	4.06	5.00	5.96	6.92	6.92	6 / 4		
	reaction time	0.154	interval	1.11	1.00	0.94	0.96	0.96	# of strides	4.06	2.86
	velocity	5.13	9.01	10.00	10.64	10.42	10.42	8.67		7.39	10.49
<b>Benda, Ondrej (CZE) (1985)</b>	time	2.02	3.14	4.15	5.11	6.05	7.04	7.04	7 / 5		
	reaction time	0.149	interval	1.12	1.01	0.96	0.94	0.99	# of strides	4.15	2.89
	velocity	4.95	8.93	9.90	10.42	10.64	10.10	8.52		7.23	10.38
<b>Krsek, Ivo (CZE) (1993)</b>	time	1.98	3.11	4.15	5.10	6.05	7.04	7.04	2 / 6		
	reaction time	0.160	interval	1.13	1.04	0.95	0.95	0.99	# of strides	4.15	2.89
	velocity	5.05	8.85	9.62	10.53	10.53	10.10	8.52		7.23	10.38
<b>Lecjaks, Martin (CZE) (1990)</b>	time	2.03	3.20	4.23	5.22	6.21	7.22	7.22	8 / 7		
	reaction time	0.137	interval	1.17	1.03	0.99	0.99	1.01	# of strides	4.23	2.99
	velocity	4.93	8.55	9.71	10.10	10.10	9.90	8.31		7.09	10.03

**Semi-Final 1**

date 25-Feb-12

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

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Žilka, Libor (CZE) (1986)</b>	time	1.91	3.02	3.97	4.91	5.84	6.78	6.78	4 / 1			
	reaction time	0.121	interval	1.11	0.95	0.94	0.93	0.94	# of strides	3.97	2.81	
	velocity	5.24	9.01	10.53	10.64	10.75	10.64	8.85		7.56	10.68	
<b>Šulc, Vojtech (CZE) (1986)</b>	time	1.97	3.09	4.07	5.00	5.92	6.86	6.86	5 / 2			
	reaction time	0.149	interval	1.12	0.98	0.93	0.92	0.94	# of strides	4.07	2.79	
	velocity	5.08	8.93	10.20	10.75	10.87	10.64	8.75		7.37	10.75	
<b>Bakalár, Marek (CZE) (1995)</b>	time	1.94	3.05	4.03	4.98	5.92	6.87	6.87	3 / 3			
	reaction time	0.154	interval	1.11	0.98	0.95	0.94	0.95	# of strides	4.03	2.84	
	velocity	5.15	9.01	10.20	10.53	10.64	10.53	8.73		7.44	10.56	
<b>Šulc, Rostislav (CZE) (1981)</b>	time	1.97	3.11	4.10	5.06	6.01	6.97	6.97	2 / 4			
	reaction time	0.153	interval	1.14	0.99	0.96	0.95	0.96	# of strides	4.10	2.87	
	velocity	5.08	8.77	10.10	10.42	10.53	10.42	8.61		7.32	10.45	
<b>Vojtík, Jirí (CZE) (1981)</b>	time	1.97	3.11	4.12	5.11	6.04	7.00	7.00	6 / 5			
	reaction time	0.113	interval	1.14	1.01	0.99	0.93	0.96	# of strides	4.12	2.88	
	velocity	5.08	8.77	9.90	10.10	10.75	10.42	8.57		7.28	10.42	
<b>Hrnčír, Jan (CZE) (1992)</b>	time	1.97	3.12	4.12	5.12	6.09	7.08	7.08	7 / 6			
	reaction time	0.115	interval	1.15	1.00	1.00	0.97	0.99	# of strides	4.12	2.96	
	velocity	5.08	8.70	10.00	10.00	10.31	10.10	8.47		7.28	10.14	

**Heat 3**

date 25-Feb-12

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

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Štastny, Lukáš (CZE) (1991)</b>	time	1.99	3.11	4.07	5.02	5.97	6.93	6.93	4 / 1			
	reaction time	0.150	interval	1.12	0.96	0.95	0.96		# of strides	4.07	2.86	
	velocity	5.03	8.93	10.42	10.53	10.53	10.42	8.66		7.37	10.49	
<b>Zich, Václav (CZE) (1990)</b>	time	1.97	3.09	4.08	5.02	5.99	6.97	6.97	5 / 2			
	reaction time	0.133	interval	1.12	0.99	0.94	0.97	0.98	# of strides	4.08	2.89	
	velocity	5.08	8.93	10.10	10.64	10.31	10.20	8.61		7.35	10.38	
<b>Šulc, Rostislav (CZE) (1981)</b>	time	1.98	3.10	4.11	5.07	6.05	7.02	7.02	6 / 3			
	reaction time	0.161	interval	1.12	1.01	0.96	0.98	0.97	# of strides	4.11	2.91	
	velocity	5.05	8.93	9.90	10.42	10.20	10.31	8.55		7.30	10.31	
<b>Krsek, Ivo (CZE) (1993)</b>	time	1.95	3.09	4.09	5.05	6.04	7.03	7.03	3 / 4			
	reaction time	0.134	interval	1.14	1.00	0.96	0.99	0.99	# of strides	4.09	2.94	
	velocity	5.13	8.77	10.00	10.42	10.10	10.10	8.53		7.33	10.20	
<b>Lecjaks, Martin (CZE) (1990)</b>	time	2.00	3.17	4.20	5.21	6.19	7.18	7.18	2 / 5			
	reaction time	0.148	interval	1.17	1.03	1.01	0.98	0.99	# of strides	4.20	2.98	
	velocity	5.00	8.55	9.71	9.90	10.20	10.10	8.36		7.14	10.07	
<b>Hain, Christian (CZE) (1993)</b>	time	2.04	3.18	4.23	5.23	6.24	7.25	7.25	7 / 6			
	reaction time	0.127	interval	1.14	1.05	1.00	1.01	1.01	# of strides	4.23	3.02	
	velocity	4.90	8.77	9.52	10.00	9.90	9.90	8.28		7.09	9.93	

**Heat 2**

date 25-Feb-12

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

		10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Maslák, Pavel (CZE) (1991)</b>	time	1.95	3.09	4.05	4.98	5.91	6.84	6.84	5 / 1			
	reaction time	0.162	interval	1.14	0.96	0.93	0.93		# of strides	4.05	2.79	
	velocity											

	velocity	5.13	8.77	10.42	10.75	10.75	10.75		8.77		7.41	10.75
<b>Bakalár, Marek (CZE) (1995)</b>	time	1.92	3.06	4.05	4.99	5.95	6.90		6.90	4 / 2		
reaction time	0.141	interval	1.14	0.99	0.94	0.96	0.95			# of strides	4.05	2.85
	velocity	5.21	8.77	10.10	10.64	10.42	10.53		8.70		7.41	10.53
<b>Vojtík, Jirí (CZE) (1981)</b>	time	1.98	3.14	4.13	5.06	6.03	7.00		7.00	3 / 3		
reaction time	0.129	interval	1.16	0.99	0.93	0.97	0.97			# of strides	4.13	2.87
	velocity	5.05	8.62	10.10	10.75	10.31	10.31		8.57		7.26	10.45
<b>Benda, Ondrej (CZE) (1985)</b>	time	2.03	3.17	4.17	5.11	6.08	7.06		7.06	2 / 4		
reaction time	0.202	interval	1.14	1.00	0.94	0.97	0.98			# of strides	4.17	2.89
	velocity	4.93	8.77	10.00	10.64	10.31	10.20		8.50		7.19	10.38
<b>Hrnčír, Jan (CZE) (1992)</b>	time	1.97	3.10	4.13	5.08	6.07	7.07		7.07	6 / 5		
reaction time	0.132	interval	1.13	1.03	0.95	0.99	1.00			# of strides	4.13	2.94
	velocity	5.08	8.85	9.71	10.53	10.10	10.00		8.49		7.26	10.20
<b>Ujhelyi, Michal (CZE) (1995)</b>	time	2.11	3.29	4.36	5.40	6.41	7.44		7.44	7 / 6		
reaction time	0.142	interval	1.18	1.07	1.04	1.01	1.03			# of strides	4.36	3.08
	velocity	4.74	8.47	9.35	9.62	9.90	9.71		8.06		6.88	9.74

## Heat 1

date 25-Feb-12

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

		10m	20m	30m	40m	50m	60m		Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Žilka, Libor (CZE) (1986)</b>	time	1.91	3.03	4.00	4.95	5.88	6.83		6.83	4 / 1			
reaction time	0.123	interval	1.12	0.97	0.95	0.93	0.95			# of strides	4.00	2.83	
	velocity	5.24	8.93	10.31	10.53	10.75	10.53		8.78		7.50	10.60	
<b>Šulc, Vojtech (CZE) (1986)</b>	time	1.98	3.10	4.08	5.00	5.93	6.89		6.89	5 / 2			
reaction time	0.149	interval	1.12	0.98	0.92	0.93	0.96			# of strides	4.08	2.81	
	velocity	5.05	8.93	10.20	10.87	10.75	10.42		8.71		7.35	10.68	
<b>Kadlec, Marcel (CZE) (1994)</b>	time	1.98	3.09	4.10	5.06	6.00	6.97		6.97	3 / 3			
reaction time	0.172	interval	1.11	1.01	0.96	0.94	0.97			# of strides	4.10	2.87	
	velocity	5.05	9.01	9.90	10.42	10.64	10.31		8.61		7.32	10.45	
<b>Benda, Pavel (CZE) (1992)</b>	time	1.98	3.13	4.18	5.16	6.11	7.09		7.09	6 / 4			
reaction time	0.147	interval	1.15	1.05	0.98	0.95	0.98			# of strides	4.18	2.91	
	velocity	5.05	8.70	9.52	10.20	10.53	10.20		8.46		7.18	10.31	
<b>Nohava, Vojtech (CZE) (1992)</b>	time	1.99	3.16	4.22	5.24	6.20	7.21		7.21	2 / 5			
reaction time	0.128	interval	1.17	1.06	1.02	0.96	1.01			# of strides	4.22	2.99	
	velocity	5.03	8.55	9.43	9.80	10.42	9.90		8.32		7.11	10.03	
<b>Vondráček, Jan (CZE) (1991)</b>	time	2.13	3.28	4.33	5.35	6.32	7.32		7.32	7 / 6			
reaction time	0.150	interval	1.15	1.05	1.02	0.97	1.00			# of strides	4.33	2.99	
	velocity	4.69	8.70	9.52	9.80	10.31	10.00		8.20		6.93	10.03	

## 2011 IAAF World Championships (Daegu, KOR)

## FINAL

date 28-Aug-11

wind -1.4 m/s

KSSB (2011) - biomechanical research project 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
<b>Blake, Yohan (JAM) (1989)</b>	time	1.87	2.89	3.83	4.70	5.56	6.41	7.27	8.13	9.00	9.88	9.92	6 / 1			
reaction time	0.174	interval	1.02	0.94	0.87	0.86	0.85	0.86	0.86	0.87	0.88		# of strides	3.83	2.58	2.59
	velocity	5.35	9.80	10.64	11.49	11.63	11.76	11.63	11.63	11.49	11.36	10.08		47.0	7.83	11.63
<b>Dix, Walter (USA) (1986)</b>	time		2.94	3.92	4.81	5.71	6.56	7.43	8.29	9.19	10.08	10.08	4 / 2			
reaction time	0.175	interval		0.98	0.89	0.90	0.85	0.87	0.86	0.90	0.89		# of strides	3.92	2.64	2.63
	velocity		6.80	10.20	11.24	11.11	11.76	11.49	11.63	11.11	11.24	9.92		48.0	7.65	11.36
<b>Collins, Kim (SKN) (1976)</b>	time		2.86	3.82	4.71	5.60	6.48	7.36	8.24	9.16	10.09	10.09	3 / 3			
reaction time	0.155	interval		0.96	0.89	0.89	0.88	0.88	0.88	0.92	0.93		# of strides	3.82	2.66	2.68
	velocity		6.99	10.42	11.24	11.24	11.36	11.36	11.36	10.87	10.75	9.91		49.0	7.85	11.28
<b>Lemaitre, Christophe (FRA) (1990)</b>	time		2.96	3.94	4.83	5.73	6.59	7.47	8.34	9.26	10.19	10.19	8 / 4			
reaction time	0.179	interval		0.98	0.89	0.90	0.86	0.88	0.87	0.92	0.93		# of strides	3.94	2.65	2.67
	velocity		6.76	10.20	11.24	11.11	11.63	11.36	11.49	10.87	10.75	9.81		41.0	7.61	11.32
<b>Bailey, Daniel (ANT) (1986)</b>	time		2.96	3.95	4.84	5.73	6.61	7.50	8.37	9.28	10.26	10.26	2 / 5			
reaction time	0.165	interval		0.99	0.89	0.89	0.88	0.89	0.87	0.91	0.98		# of strides	3.95	2.66	2.67
	velocity		6.76	10.10	11.24	11.24	11.36	11.24	11.49	10.99	10.20	9.75		48.0	7.59	11.28
<b>Vicaut, Jimmy (FRA) (1992)</b>	time		2.92	3.90	4.81	5.71	6.59	7.48	8.38	9.32	10.27	10.27	1 / 6			
reaction time	0.162	interval		0.98	0.91	0.90	0.88	0.89	0.90	0.94	0.95		# of strides	3.90	2.69	2.73
	velocity		6.85	10.20	10.99	11.11	11.36	11.24	11.11	10.64	10.53	9.74		46.0	7.69	11.15
<b>Carter, Nester (JAM) (1985)</b>	time		2.96	3.98	4.94	5.90	6.83	7.79	8.74	9.77	10.95	10.95	7 / 7			

reaction time	0.154	interval		1.02	0.96	0.96	0.93	0.96	0.95	1.03	1.18		# of strides	3.98	2.85	2.94	
		velocity		6.76	9.80	10.42	10.42	10.75	10.42	10.53	9.71	8.47	9.13	47.0	7.54	10.53	10.20

Bolt, Usain (JAM) (1986) -0.104

DQ

5 / --

## Semi-Final 2

date 28-Aug-11 wind -1.0 m/s

KSSB (2011) - biomechanical analysis of Usain Bolt 100 meter

	time	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Bolt, Usain (JAM) (1986)	1.89	2.93	3.86	4.74	5.60	6.45	7.30	8.16	9.05	10.04	10.05		3 / 1				
reaction time	0.164	interval	1.04	0.93	0.88	0.86	0.85	0.85	0.86	0.89	0.99		# of strides	3.86	2.59	2.60	
		velocity	5.29	9.62	10.75	11.36	11.63	11.76	11.76	11.63	11.24	10.10	9.95	40.5	7.77	11.58	11.54

## Heat 7

date 27-Aug-11 wind -1.2 m/s

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

	time	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Frater, Michael (JAM) (1982)	1.93	2.99	3.93	4.74	5.71	6.59	7.47	8.37	9.30	10.27	10.26		5 / 1				
reaction time	0.149	interval	1.06	0.94	0.81	0.97	0.88	0.88	0.90	0.93	0.97		# of strides	3.93	2.66	2.71	
		velocity	5.18	9.43	10.64	12.35	10.31	11.36	11.36	11.11	10.75	10.31	9.75	48.0	7.63	11.28	11.07

## Heat 6

date 27-Aug-11 wind -0.7 m/s

KSSB (2011) - biomechanical analysis of Usain Bolt 100 meter

	time	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Bolt, Usain (JAM) (1986)	1.89	2.93	3.85	4.74	5.60	6.46	7.32	8.20	9.11	10.10	10.10		6 / 1				
reaction time	0.153	interval	1.04	0.92	0.89	0.86	0.86	0.88	0.91	0.99			# of strides	3.85	2.61	2.65	
		velocity	5.29	9.62	10.87	11.24	11.63	11.63	11.36	10.99	10.10	9.90		40.0	7.79	11.49	11.32

## Heat 5

date 27-Aug-11 wind -1.2 m/s

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

	time	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
Carter, Nester (JAM) (1985)	1.88	2.92	3.86	4.76	5.64	6.53	7.42	8.33	9.27	10.25	10.25		3 / 1				
reaction time	0.164	interval	1.04	0.94	0.90	0.88	0.89	0.89	0.91	0.94	0.98		# of strides	3.86	2.67	2.74	
		velocity	5.32	9.62	10.64	11.11	11.36	11.24	11.24	10.99	10.64	10.20	9.75	43.7	7.77	11.24	10.95

## 2011 Japanese National High School Championships (Kitakami, JPN)

## FINAL

date 04-Aug-11 wind -0.5 m/s

Abe (2011) - 64th high school championships: JAF scientific committee - biomechanics data collection

	time	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Nashimoto, Masaki (JPN) (1993)					5.77	6.67	7.61	8.54	9.50	10.50	10.50		6 / 1			
reaction time		interval				0.90	0.94	0.93	0.96	1.00			# of strides			2.83
		velocity			8.67	11.11	10.64	10.75	10.42	10.00		9.52				10.60
Oseto, Kazuma (JPN) (1994)					5.82	6.73	7.68	8.64	9.62	10.63	10.63		7 / 2			
reaction time		interval				0.91	0.95	0.96	0.98	1.01			# of strides			2.89
		velocity			8.59	10.99	10.53	10.42	10.20	9.90		9.41				10.38
Cambridge, Aska (JPN) (1993)					5.91	6.82	7.75	8.69	9.65	10.64	10.64		4 / 3			
reaction time		interval				0.91	0.93	0.94	0.96	0.99			# of strides			2.83
		velocity			8.46	10.99	10.75	10.64	10.42	10.10		9.40				10.60
Tsunakawa, Hayato (JPN) (1993)					5.91	6.85	7.78	8.74	9.71	10.70	10.70		5 / 4			
reaction time		interval				0.94	0.93	0.96	0.97	0.99			# of strides			2.86
		velocity			8.46	10.64	10.75	10.42	10.31	10.10		9.35				10.49
Hashimoto, Akiyuki (JPN) (1994)					5.95	6.89	7.82	8.76	9.72	10.72	10.72		1 / 5			
reaction time		interval				0.94	0.93	0.94	0.96	1.00			# of strides			2.83
		velocity			8.40	10.64	10.75	10.64	10.42	10.00		9.33				10.60
Kanamori, Kazuki (JPN) (1994)					5.98	6.91	7.85	8.80	9.77	10.74	10.74		8 / 6			
reaction time		interval				0.93	0.94	0.95	0.97	0.97			# of strides			2.86
		velocity			8.36	10.75	10.64	10.53	10.31	10.31		9.31				10.49
Suwa, Tatsuro (JPN) (1994)					5.92	6.87	7.80	8.77	9.75	10.75	10.75		2 / 7			
reaction time		interval				0.95	0.93	0.97	0.98	1.00			# of strides			2.88
		velocity			8.45	10.53	10.75	10.31	10.20	10.00		9.30				10.42
Onabuta, Yu (JPN) (1994)					6.01	6.95	7.87	8.82	9.79	10.78	10.78		9 / 8			
reaction time		interval				0.94	0.92	0.95	0.97	0.99			# of strides			2.84
		velocity			8.32	10.64	10.87	10.53	10.31	10.10		9.28				10.56
Tsukamoto, Kazuya (JPN) (1994)					5.89	6.86	7.80	8.78	9.79	10.85	10.85		3 / 9			
reaction time		interval				0.97	0.94	0.98	1.01	1.06			# of strides			2.93
		velocity			8.49	10.31	10.64	10.20	9.90	9.43		9.22				10.24

## 2011 Windsprint (Sundsvall, SWE)

## FINAL

date 31-Jul-11 wind 2.8 m/s

(2011) - www.ssg.se/en/Windsprint/Spit-times/

	time	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Harvey, Jacques (JAM) (1989)				3.91			6.53		8.24		10.03	10.03		3 / 1		
reaction time		interval					2.62		1.71		1.79		# of strides	3.91	2.62	
		velocity		7.67			11.45		11.70		11.17	9.97		7.67	11.45	
Colio, Simone (ITA) (1979)				3.93			6.60		8.34		10.16	10.16		4 / 2		

reaction time	interval				2.67	1.74	1.82						# of strides	3.93	2.67		
	velocity	7.63			11.24	11.49	10.99	9.84						7.63	11.24		
<b>Dwyer, Rasheed (JAM) (1989)</b>	time	3.94			6.65	8.42	10.24	10.24					6 / 3				
reaction time	interval				2.71	1.77	1.82						# of strides	3.94	2.71		
	velocity	7.61			11.07	11.30	10.99	9.77						7.61	11.07		
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time	3.98			6.67	8.46	10.33	10.33					5 / 4				
reaction time	interval				2.69	1.79	1.87						# of strides	3.98	2.69		
	velocity	7.54			11.15	11.17	10.70	9.68						7.54	11.15		
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time	4.02			6.79	8.60	10.47	10.47					1 / 5				
reaction time	interval				2.77	1.81	1.87						# of strides	4.02	2.77		
	velocity	7.46			10.83	11.05	10.70	9.55						7.46	10.83		
<b>Wilks, Terrel (USA) (1989)</b>	time	3.99			6.74	8.56	10.49	10.49					2 / 6				
reaction time	interval				2.75	1.82	1.93						# of strides	3.99	2.75		
	velocity	7.52			10.91	10.99	10.36	9.53						7.52	10.91		

## B FINAL

	date	31-Jul-11	wind 2.0 m/s												(2011) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>de Oliveira, Nil (SWE) (1986)</b>	time				4.02			6.73			8.52	10.34	10.34	5 / 1			
reaction time	interval							2.71			1.79	1.82		# of strides	4.02	2.71	
	velocity				7.46			11.07			11.17	10.99	9.67		7.46	11.07	
<b>Rose, Odain (SWE) (1992)</b>	time				3.95			6.75			8.62	10.55	10.55	6 / 2			
reaction time	interval							2.80			1.87	1.93		# of strides	3.95	2.80	
	velocity				7.59			10.71			10.70	10.36	9.48		7.59	10.71	
<b>Sennung, David (SWE) (1991)</b>	time				4.06			6.85			8.70	10.61	10.61	4 / 3			
reaction time	interval							2.79			1.85	1.91		# of strides	4.06	2.79	
	velocity				7.39			10.75			10.81	10.47	9.43		7.39	10.75	
<b>Zail, Emil (SWE) (1987)</b>	time				4.08			6.88			8.74	10.67	10.67	2 / 4			
reaction time	interval							2.80			1.86	1.93	PB	# of strides	4.08	2.80	
	velocity				7.35			10.71			10.75	10.36	9.37		7.35	10.71	
<b>Sebabi, Nasser (SWE) (1982)</b>	time				4.06			6.87			8.73	10.68	10.68	3 / 5			
reaction time	interval							2.81			1.86	1.95	PB	# of strides	4.06	2.81	
	velocity				7.39			10.68			10.75	10.26	9.36		7.39	10.68	

## C FINAL

	date	31-Jul-11	wind 2.8 m/s												(2011) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Mogstad, Christian Settemkli (NOR)</b>	time				4.07			6.86			8.70	10.62	10.62	7 / 1			
reaction time	interval							2.79			1.84	1.92		# of strides	4.07	2.79	
	velocity				7.37			10.75			10.87	10.42	9.42		7.37	10.75	
<b>Donati, Roberto (ITA) (1983)</b>	time				4.07			6.88			8.76	10.70	10.70	1 / 2			
reaction time	interval							2.81			1.88	1.94		# of strides	4.07	2.81	
	velocity				7.37			10.68			10.64	10.31	9.35		7.37	10.68	
<b>Karlsson, Alexander (NOR) (1988)</b>	time				4.09			6.93			8.81	10.76	10.76	4 / 3			
reaction time	interval							2.84			1.88	1.95		# of strides	4.09	2.84	
	velocity				7.33			10.56			10.64	10.26	9.29		7.33	10.56	
<b>Krabbe, Martin (DEN) (1985)</b>	time				4.01			6.84			8.76	10.79	10.79	8 / 4			
reaction time	interval							2.83			1.92	2.03		# of strides	4.01	2.83	
	velocity				7.48			10.60			10.42	9.85	9.27		7.48	10.60	
<b>Armfelt, Carl (SWE) (1984)</b>	time				4.09			6.96			8.86	10.81	10.81	3 / 5			
reaction time	interval							2.87			1.90	1.95		# of strides	4.09	2.87	
	velocity				7.33			10.45			10.53	10.26	9.25		7.33	10.45	
<b>Wocalewski, Jan (SWE) (1993)</b>	time				4.12			6.97			8.87	10.83	10.83	5 / 6			
reaction time	interval							2.85			1.90	1.96		# of strides	4.12	2.85	
	velocity				7.28			10.53			10.53	10.20	9.23		7.28	10.53	

## D FINAL

	date	31-Jul-11	wind 1.6 m/s												(2011) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Lysne, Torbjörn (NOR) (1990)</b>	time				4.22			7.05			8.91	10.80	10.80	2 / 1			
reaction time	interval							2.83			1.86	1.89		# of strides	4.22	2.83	
	velocity				7.11			10.60			10.75	10.58	9.26		7.11	10.60	
<b>Waltersson, Jonathan (SWE) (1981)</b>	time				4.14			7.00			8.88	10.82	10.82	4 / 2			
reaction time	interval							2.86			1.88	1.94		# of strides	4.14	2.86	
	velocity				7.25			10.49			10.64	10.31	9.24		7.25	10.49	

<b>Wulff, Jonathan (SWE) (1994)</b>	time	4.21	7.04	8.93	10.90	10.90	1 / 3		
	reaction time			2.83	1.89	1.97	# of strides	4.21	2.83
	velocity	7.13	10.60	10.58	10.15	9.17		7.13	10.60
<b>Storhaug, Lars Jøran (NOR) (1989)</b>	time	4.15	7.05	8.95	10.93	10.93	8 / 4		
	reaction time			2.90	1.90	1.98	# of strides	4.15	2.90
	velocity	7.23	10.34	10.53	10.10	9.15		7.23	10.34
<b>Ojori, Sunday (SWE) (1993)</b>	time	4.17	7.04	8.95	10.94	10.94	6 / 5		
	reaction time			2.87	1.91	1.99	# of strides	4.17	2.87
	velocity	7.19	10.45	10.47	10.05	9.14		7.19	10.45
<b>Nilsson, Nils-Göran (SWE) (1988)</b>	time	4.14	7.03	8.96	10.98	10.98	3 / 6		
	reaction time			2.89	1.93	2.02	# of strides	4.14	2.89
	velocity	7.25	10.38	10.36	9.90	9.11		7.25	10.38
<b>Engwall, Andreas (SWE) (1992)</b>	time	4.16	7.05	8.98	10.99	10.99	7 / 7		
	reaction time			2.89	1.93	2.01	# of strides	4.16	2.89
	velocity	7.21	10.38	10.36	9.95	9.10		7.21	10.38
<b>Lang, Jesper (SWE) (1992)</b>	time	4.21	7.10	9.03	11.04	11.04	5 / 8		
	reaction time			2.89	1.93	2.01	# of strides	4.21	2.89
	velocity	7.13	10.38	10.36	9.95	9.06		7.13	10.38

**E FINAL**

	date	31-Jul-11	wind	1.8 m/s														
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Skoglund, Björn (SWE) (1991)</b>	time				4.16			7.07		9.00		11.00	11.00	3 / 1				
	reaction time							2.91		1.93		2.00		# of strides	4.16	2.91		
	velocity				7.21			10.31		10.36		10.00	9.09		7.21	10.31		
<b>Johansson, Oscar (SWE) (1992)</b>	time				4.18			7.09		9.03		11.03	11.03	8 / 2				
	reaction time							2.91		1.94		2.00		# of strides	4.18	2.91		
	velocity				7.18			10.31		10.31		10.00	9.07		7.18	10.31		
<b>Thessén, Emil (SWE) (1994)</b>	time				4.20			7.11		9.05		11.06	11.06	5 / 3				
	reaction time							2.91		1.94		2.01		# of strides	4.20	2.91		
	velocity				7.14			10.31		10.31		9.95	9.04		7.14	10.31		
<b>Grønnhaug, Jonas (SWE) (1989)</b>	time				4.18			7.12		9.08		11.10	11.10	1 / 4				
	reaction time							2.94		1.96		2.02		# of strides	4.18	2.94		
	velocity				7.18			10.20		10.20		9.90	9.01		7.18	10.20		
<b>Söderqvist, Per-Erik (SWE) (1987)</b>	time				4.26			7.25		9.25		11.29	11.29	6 / 5				
	reaction time							2.99		2.00		2.04		# of strides	4.26	2.99		
	velocity				7.04			10.03		10.00		9.80	8.86		7.04	10.03		
<b>Kallur, Martin (SWE) (1991)</b>	time				4.24			7.21		9.21		11.30	11.30	4 / 6				
	reaction time							2.97		2.00		2.09		# of strides	4.24	2.97		
	velocity				7.08			10.10		10.00		9.57	8.85		7.08	10.10		
<b>Forsberg, Johan (SWE) (1992)</b>	time				4.25			7.24		9.24		11.44	11.44	2 / 7				
	reaction time							2.99		2.00		2.20		# of strides	4.25	2.99		
	velocity				7.06			10.03		10.00		9.09	8.74		7.06	10.03		

**F FINAL**

	date	31-Jul-11	wind	1.6 m/s														
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Lilja, Johan (SWE) (1995)</b>	time				4.28			7.26		9.26		11.31	11.31	5 / 1				
	reaction time							2.98		2.00		2.05		# of strides	4.28	2.98		
	velocity				7.01			10.07		10.00		9.76	8.84		7.01	10.07		
<b>Näsman, Erik (SWE) (1987)</b>	time				4.26			7.25		9.25		11.33	11.33	1 / 2				
	reaction time							2.99		2.00		2.08		# of strides	4.26	2.99		
	velocity				7.04			10.03		10.00		9.62	8.83		7.04	10.03		
<b>Øien, Vegard (NOR) (1990)</b>	time				4.32			7.34		9.36		11.40	11.40	2 / 3				
	reaction time							3.02		2.02		2.04		# of strides	4.32	3.02		
	velocity				6.94			9.93		9.90		9.80	8.77		6.94	9.93		
<b>Goldman, Daniel (SWE) (1979)</b>	time				4.28			7.33		9.38		11.48	11.48	7 / 4				
	reaction time							3.05		2.05		2.10		# of strides	4.28	3.05		
	velocity				7.01			9.84		9.76		9.52	8.71		7.01	9.84		
<b>Thomberg, Nils (SWE) (1994)</b>	time				4.23			7.30		9.38		11.49	11.49	3 / 5				
	reaction time							3.07		2.08		2.11		# of strides	4.23	3.07		
	velocity				7.09			9.77		9.62		9.48	8.70		7.09	9.77		

<b>Ekholm, Andrej (SWE) (1989)</b>	time		4.29		7.35		9.40		11.55		11.55		6 / 6			
	reaction time	interval			3.06		2.05		2.15				# of strides	4.29	3.06	
		velocity		6.99		9.80		9.76		9.30		8.66		6.99	9.80	
<b>Jonsson, Per (SWE) (1988)</b>	time		4.38		7.43		9.46		11.57		11.57		8 / 7			
	reaction time	interval			3.05		2.03		2.11				# of strides	4.38	3.05	
		velocity		6.85		9.84		9.85		9.48		8.64		6.85	9.84	

**G FINAL**date 31-Jul-11 wind 1.4 m/s (2011) - [www.ssg.se/en/Windsprint/Split-times/](http://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
<b>Gerlach, Mikael (SWE) (1984)</b>	time			4.47			7.55		9.57		11.67	11.67	6 / 1			
	reaction time	interval				3.08		2.02		2.10			# of strides	4.47	3.08	
		velocity		6.71		9.74		9.90		9.52		8.57		6.71	9.74	
<b>Bergvall, Eric (SWE) (1994)</b>	time			4.44			7.50		9.60		11.80	11.80	3 / 2			
	reaction time	interval				3.06		2.10		2.20			# of strides	4.44	3.06	
		velocity		6.76		9.80		9.52		9.09		8.47		6.76	9.80	
<b>Ejenstam, Philip (SWE) (1994)</b>	time			4.50			7.60		9.69		11.87	11.87	4 / 3			
	reaction time	interval				3.10		2.09		2.18			# of strides	4.50	3.10	
		velocity		6.67		9.68		9.57		9.17		8.42		6.67	9.68	
<b>Persson, Marcus (SWE) (1994)</b>	time			4.42			7.57		9.79		12.08	12.08	5 / 4			
	reaction time	interval				3.15		2.22		2.29			# of strides	4.42	3.15	
		velocity		6.79		9.52		9.01		8.73		8.28		6.79	9.52	

**2011 French National Championships (Albi, FRA)****FINAL**date 29-Jul-11 wind 2.0 m/s Vazel (2015) - <http://vazel.blog.lemonde.fr/2015/07/06/jimmy-vicaut-son-record-europe-du-100-m-a-la-loupe/>

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Lemaitre, Christophe (FRA) (1990)</b>	time			3.93			6.50		8.19		9.92	9.92	6 / 1			
	reaction time	interval				2.57		1.69		1.73		AUR / NR	# of strides	3.93	2.57	
		velocity		7.63		11.67		11.83		11.56		10.08		41.5	7.63	11.67

**2011 Japanese Multi-Event National Championships (Kawasaki, JPN)****Decathlon - Heat ??**

date 04-Jun-11 wind -1.1 m/s Hisashi (2012) - performance analysis of Japanese record holder Keisuke Ushiro

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.08	3.22	4.28	5.29	6.30	7.29	8.29	9.31	10.33	11.39	11.39	???			
	reaction time	interval	1.14	1.06	1.01	1.01	0.99	1.00	1.02	1.02	1.06		# of strides	4.28	3.01	3.04
		velocity	4.81	8.77	9.43	9.90	9.90	10.10	10.00	9.80	9.80	9.43	8.78		7.01	9.97

**Decathlon - Heat ??**

date 04-Jun-11 wind -0.2 m/s Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.96	3.06	4.06	5.02	5.98	6.93	7.88	8.84	9.82	10.81	10.81	???			
	reaction time	interval	1.10	1.00	0.96	0.96	0.95	0.95	0.96	0.98	0.99		# of strides	4.06	2.87	2.89
		velocity	5.10	9.09	10.00	10.42	10.42	10.53	10.53	10.42	10.20	10.10	9.25		7.39	10.45

**2011 Wakayama Athletics Meeting (Wakayama, JPN)****Decathlon - Heat 1**

date 23-Apr-11 wind -1.6 m/s Hisashi (2012) - performance analysis of Japanese record holder Keisuke Ushiro

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.09	3.21	4.24	5.24	6.24	7.25	8.27	9.30	10.32	11.37	11.37	9 / 3			
	reaction time	interval	1.12	1.03	1.00	1.00	1.01	1.02	1.03	1.02	1.05		# of strides	4.24	3.01	3.07
		velocity	4.78	8.93	9.71	10.00	10.00	9.90	9.80	9.71	9.80	9.52	8.80		7.08	9.97

**2010 Japanese Corporate Championships (Niigata, JPN)****FINAL**

date 26-Sep-10 wind 1.1 m/s Takikawa (????) - a study on scientific data usage model and development process of 100m performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Sakuma, Kota (JPN) (1985)</b>	time			4.04			6.84				10.65	10.65	/ 6			
	reaction time	interval				2.80				3.81			# of strides	4.04	2.80	
		velocity		7.43		10.71				10.50		9.39		49.0	7.43	10.71

**Semi-Final 1**

date 26-Sep-10 wind 0.7 m/s Takikawa (????) - a study on scientific data usage model and development process of 100m performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Saito, Hitoshi (JPN) (1986)</b>	time			4.08			6.92				10.77	10.77	/ 2			
	reaction time	interval				2.84				3.85			# of strides	4.08	2.84	
		velocity		7.35		10.56				10.39		9.29		46.1	7.35	10.56

**Heat 6**

date 26-Sep-10 wind 1.9 m/s Takikawa (????) - a study on scientific data usage model and development process of 100m performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Sakuma, Kota (JPN) (1985)</b>	time			4.02			6.81				10.59	10.59	/ 3			
	reaction time	interval				2.79				3.78			# of strides	4.02	2.79	
		velocity		7.46		10.75				10.58		9.44		7.46	10.75	

**Heat 5**

date 26-Sep-10 wind 0.6 m/s Takikawa (????) - a study on scientific data usage model and development process of 100m performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Saito, Hitoshi (JPN) (1986)</b>	time			4.04			6.86				10.67	10.67	/ 1			

reaction time	interval			2.82		3.81					# of strides	4.04	2.82
	velocity	7.43		10.64		10.50	9.37				46.5	7.43	10.64

**2010 Seiko Super Grand Prix (Kawasaki, JPN)****FINAL**

date	19-Sep-10	wind	Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride														
		-1.6 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lemaitre, Christophe (FRA) (1990)	time		1.96	3.02	3.97	4.89	5.78	6.67	7.55	8.45	9.35	10.26	10.26	4 / 1			
	reaction time	interval		1.06	0.95	0.92	0.89	0.89	0.88	0.90	0.90	0.91		# of strides	3.97	2.70	2.68
		velocity	5.10	9.43	10.53	10.87	11.24	11.24	11.36	11.11	11.11	10.99	9.75	43.8	7.56	11.11	11.19

**2010 Windsprint (Sundsvall, SWE)****FINAL**

date	08-Aug-10	wind	(2010) - www.ssg.se/en/Windsprint/Split-times/														
		0.7 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Roach, Kimmari (JAM) (1990)	time				3.91			6.58		8.35		10.21	10.21	/ 1			
	reaction time	interval						2.67		1.77		1.86		# of strides	3.91	2.67	
		velocity			7.67			11.24		11.30		10.75	9.79		7.67	11.24	
Barnes, Winston (JAM) (1988)	time				3.95			6.67		8.47		10.37	10.37	/ 2			
	reaction time	interval						2.72		1.80		1.90		# of strides	3.95	2.72	
		velocity			7.59			11.03		11.11		10.53	9.64		7.59	11.03	
Edwards, Monzavous (Rae) (USA)	time				4.02			6.74		8.55		10.41	10.41	/ 3			
	reaction time	interval						2.72		1.81		1.86		# of strides	4.02	2.72	
		velocity			7.46			11.03		11.05		10.75	9.61		7.46	11.03	
Moseley, Ryan (AUT) (1982)	time				3.99			6.74		8.54		10.43	10.43	/ 4			
	reaction time	interval						2.75		1.80		1.89		# of strides	3.99	2.75	
		velocity			7.52			10.91		11.11		10.58	9.59		7.52	10.91	
Robertson, Andrew (GBR) (1990)	time				3.97			6.76		8.59		10.53	10.53	/ 5			
	reaction time	interval						2.79		1.83		1.94		# of strides	3.97	2.79	
		velocity			7.56			10.75		10.93		10.31	9.50		7.56	10.75	
Bodrov, Igor (UKR) (1987)	time				4.04			6.80		8.65		10.58	10.58	/ 6			
	reaction time	interval						2.76		1.85		1.93		# of strides	4.04	2.76	
		velocity			7.43			10.87		10.81		10.36	9.45		7.43	10.87	
Tärnhuvud, Stefan (SWE) (1985)	time				4.04			6.81		8.66		10.58	10.58	/ 7			
	reaction time	interval						2.77		1.85		1.92		# of strides	4.04	2.77	
		velocity			7.43			10.83		10.81		10.42	9.45		7.43	10.83	
de Oliveira, Nil (SWE) (1986)	time				4.06			6.87		8.73		10.67	10.67	/ 8			
	reaction time	interval						2.81		1.86		1.94		# of strides	4.06	2.81	
		velocity			7.39			10.68		10.75		10.31	9.37		7.39	10.68	

**B FINAL**

date	08-Aug-10	wind	(2010) - www.ssg.se/en/Windsprint/Split-times/														
		1.8 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Åberg, Oskar (SWE) (1989)	time				4.04			6.85		8.71		10.64	10.64	/ 1			
	reaction time	interval						2.81		1.86		1.93		# of strides	4.04	2.81	
		velocity			7.43			10.68		10.75		10.36	9.40		7.43	10.68	
Johansson, Fredrik (SWE) (1986)	time				4.16			6.95		8.79		10.68	10.68	/ 2			
	reaction time	interval						2.79		1.84		1.89		# of strides	4.16	2.79	
		velocity			7.21			10.75		10.87		10.58	9.36		7.21	10.75	
Zail, Emil (SWE) (1987)	time				4.08			6.92		8.80		10.77	10.77	/ 3			
	reaction time	interval						2.84		1.88		1.97		# of strides	4.08	2.84	
		velocity			7.35			10.56		10.64		10.15	9.29		7.35	10.56	
Rose, Odain (SWE) (1992)	time				4.05			6.90		8.81		10.79	10.79	/ 4			
	reaction time	interval						2.85		1.91		1.98		# of strides	4.05	2.85	
		velocity			7.41			10.53		10.47		10.10	9.27		7.41	10.53	
Sennung, David (SWE) (1991)	time				4.13			7.01		8.93		10.93	10.93	/ 5			
	reaction time	interval						2.88		1.92		2.00		# of strides	4.13	2.88	
		velocity			7.26			10.42		10.42		10.00	9.15		7.26	10.42	
Andersson, Patrik (SWE) (1991)	time				4.20			7.07		8.99		10.96	10.96	/ 6			
	reaction time	interval						2.87		1.92		1.97		# of strides	4.20	2.87	
		velocity			7.14			10.45		10.42		10.15	9.12		7.14	10.45	
Persson, Daniel (SWE) (1982)	time				4.09			6.97		8.91		10.97	10.97	/ 7			
	reaction time	interval						2.88		1.94		2.06		# of strides	4.09	2.88	
		velocity			7.33			10.42		10.31		9.71	9.12		7.33	10.42	

**C FINAL**

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



		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Brännström, André (SWE) (1987)</b>	time			4.16			7.00		8.88		10.81	10.81	/ 1			
	reaction time						2.84		1.88		1.93		# of strides	4.16	2.84	
	velocity			7.21			10.56		10.64		10.36	9.25		7.21	10.56	
<b>Armfelt, Carl (SWE) (1984)</b>	time			4.18			7.05		8.92		10.86	10.86	/ 2			
	reaction time						2.87		1.87		1.94		# of strides	4.18	2.87	
	velocity			7.18			10.45		10.70		10.31	9.21		7.18	10.45	
<b>Andersson, Andreas (SWE) (1991)</b>	time			4.21			7.11		9.01		10.97	10.97	/ 3			
	reaction time						2.90		1.90		1.96		# of strides	4.21	2.90	
	velocity			7.13			10.34		10.53		10.20	9.12		7.13	10.34	
<b>Larsson, Niklas (SWE) (1985)</b>	time			4.29			7.17		9.06		11.01	11.01	/ 4			
	reaction time						2.88		1.89		1.95		# of strides	4.29	2.88	
	velocity			6.99			10.42		10.58		10.26	9.08		6.99	10.42	
<b>Wocalewski, Jan (SWE) (1993)</b>	time			4.23			7.17		9.09		11.07	11.07	/ 5			
	reaction time						2.94		1.92		1.98		# of strides	4.23	2.94	
	velocity			7.09			10.20		10.42		10.10	9.03		7.09	10.20	
<b>Wulff, Jonathan (SWE) (1994)</b>	time			4.27			7.21		9.17		11.24	11.24	/ 6			
	reaction time						2.94		1.96		2.07		# of strides	4.27	2.94	
	velocity			7.03			10.20		10.20		9.66	8.90		7.03	10.20	

**D FINAL**date 08-Aug-10 wind 2.8 m/s (2010) - [www.ssg.se/en/Windsprint/Split-times/](http://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
<b>Zetterberg, Johan (SWE) (1984)</b>	time			4.12			7.04		9.00		11.03	11.03	/ 1			
	reaction time						2.92		1.96		2.03		# of strides	4.12	2.92	
	velocity			7.28			10.27		10.20		9.85	9.07		7.28	10.27	
<b>Waltersson, Jonathan (SWE) (1984)</b>	time			4.21			7.20		9.15		11.16	11.16	/ 2			
	reaction time						2.99		1.95		2.01		# of strides	4.21	2.99	
	velocity			7.13			10.03		10.26		9.95	8.96		7.13	10.03	
<b>Öberg, Sebastian (SWE) (1986)</b>	time			4.24			7.18		9.18		11.28	11.28	/ 3			
	reaction time						2.94		2.00		2.10		# of strides	4.24	2.94	
	velocity			7.08			10.20		10.00		9.52	8.87		7.08	10.20	
<b>Ekholm, Andrej (SWE) (1989)</b>	time			4.31			7.30		9.31		11.40	11.40	/ 4			
	reaction time						2.99		2.01		2.09		# of strides	4.31	2.99	
	velocity			6.96			10.03		9.95		9.57	8.77		6.96	10.03	

**E FINAL**date 08-Aug-10 wind 1.6 m/s (2010) - [www.ssg.se/en/Windsprint/Split-times/](http://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
<b>Näsman, Erik (SWE) (1987)</b>	time			4.34			7.40		9.47		11.63	11.63	/ 1			
	reaction time						3.06		2.07		2.16		# of strides	4.34	3.06	
	velocity			6.91			9.80		9.66		9.26	8.60		6.91	9.80	
<b>Jonsson, Per (SWE) (1988)</b>	time			4.38			7.50		9.57		11.70	11.70	/ 2			
	reaction time						3.12		2.07		2.13		# of strides	4.38	3.12	
	velocity			6.85			9.62		9.66		9.39	8.55		6.85	9.62	
<b>Persson, Marcus (SWE) (1994)</b>	time			4.36			7.44		9.52		11.70	11.70	/ 3			
	reaction time						3.08		2.08		2.18		# of strides	4.36	3.08	
	velocity			6.88			9.74		9.62		9.17	8.55		6.88	9.74	
<b>Thornberg, Nils (SWE) (1994)</b>	time			4.41			7.66		9.82		12.03	12.03	/ 4			
	reaction time						3.25		2.16		2.21		# of strides	4.41	3.25	
	velocity			6.80			9.23		9.26		9.05	8.31		6.80	9.23	

**2010 German National Youth Championships (Ulm, GER)****FINAL**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
<b>Gehne, Felix (GER) (1993)</b>	time		3.09	4.08	5.02		6.88		8.79		10.74	10.74	/ 1			
	reaction time			0.99	0.94		1.86		1.91		1.95	<b>=PB</b>	# of strides	4.08	2.80	
	velocity		6.47	10.10	10.64		10.75		10.47		10.26	9.31		7.35	10.71	
<b>Domogala, Patrick (GER) (1993)</b>	time		3.17	4.17	5.11		6.96		8.82		10.74	10.74	/ 2			
	reaction time			1.00	0.94		1.85		1.86		1.92		# of strides	4.17	2.79	
	velocity		6.31	10.00	10.64		10.81		10.75		10.42	9.31		7.19	10.75	
<b>Huke, Maurice (GER) (1993)</b>	time		3.17	4.18	5.13		7.00		8.92		10.90	10.90	/ 3			
	reaction time			1.01	0.95		1.87		1.92		1.98		# of strides	4.18	2.82	
	velocity		6.31	9.90	10.53		10.70		10.42		10.10	9.17		7.18	10.64	

<b>Hock, Jochen (GER) (1993)</b>	time	3.18	4.20	5.17	7.05	9.05	11.07	11.07	/ 4				
	reaction time	interval		1.02	0.97	1.88	2.00	2.02	# of strides	4.20	2.85		
	velocity	6.29	9.80	10.31	10.64	10.00	9.90	9.03	7.14	10.53			
<b>Lohmann, Jonas (GER) (1993)</b>	time	3.22	4.24	5.20	7.07	9.08	11.12	11.12	/ 5				
	reaction time	interval		1.02	0.96	1.87	2.01	2.04	# of strides	4.24	2.83		
	velocity	6.21	9.80	10.42	10.70	9.95	9.80	8.99	7.08	10.60			
<b>Schwarze, Dennis (GER) (1993)</b>	time	3.19	4.22	5.20	7.07	9.10	11.14	11.14	/ 6				
	reaction time	interval		1.03	0.98	1.87	2.03	2.04	# of strides	4.22	2.85		
	velocity	6.27	9.71	10.20	10.70	9.85	9.80	8.98	7.11	10.53			
<b>Mittler, Fabian (GER) (1993)</b>	time	3.21	4.23	5.19	7.07	9.10	11.14	11.14	/ 7				
	reaction time	interval		1.02	0.96	1.87	2.01	2.04	# of strides	4.23	2.85		
	velocity	6.23	9.80	10.42	10.70	9.95	9.80	8.99	7.08	10.60			

**Semi-Final 3**

date		07-Aug-10		wind		0.0 m/s						Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>				
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Mittler, Fabian (GER) (1993)</b>	time		3.18	4.20	5.17	7.11	9.04	11.05	11.05	/ 2						
	reaction time	interval		1.02	0.97	1.94	1.93	2.01	# of strides	4.20	2.91					
	velocity	6.29	9.80	10.31	10.31	10.36	9.95	9.05	7.14	10.31						

**Semi-Final 2**

date		07-Aug-10		wind		0.5 m/s						Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>				
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Lohmann, Jonas (GER) (1993)</b>	time		3.10	4.12	5.09	7.00	8.96	10.97	10.97	/ 2						
	reaction time	interval		1.02	0.97	1.91	1.96	2.01	# of strides	4.12	2.88					
	velocity	6.45	9.80	10.31	10.47	10.20	9.95	9.12	7.28	10.42						

**Semi-Final 1**

date		07-Aug-10		wind		1.0 m/s						Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>				
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Domogala, Patrick (GER) (1993)</b>	time		3.18	4.16	5.10	6.94	8.78	10.68	10.68	/ 1						
	reaction time	interval		0.98	0.94	1.84	1.84	1.90	# of strides	4.16	2.78					
	velocity	6.29	10.20	10.64	10.87	10.87	10.53	9.36	7.21	10.79						

**2010 German National Junior Championships (Ulm, GER)****FINAL**

date		06-Aug-10		wind		0.5 m/s						Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>				
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Erewa, Robin (GER) (1991)</b>	time		3.14	4.12	5.05	6.90	8.74	10.63	10.63	/ 1						
	reaction time	interval		0.98	0.93	1.85	1.84	1.89	<b>PB</b>	# of strides	4.12	2.78				
	velocity	6.37	10.20	10.75	10.81	10.87	10.58	9.41	7.28	10.79						
<b>Kirstges, Marcel (GER) (1991)</b>	time		3.19	4.17	5.10	6.97	8.86	10.75	10.75	/ 2						
	reaction time	interval		0.98	0.93	1.87	1.89	1.89	<b>PB</b>	# of strides	4.17	2.80				
	velocity	6.27	10.20	10.75	10.70	10.58	10.58	9.30	7.19	10.71						
<b>Stinski, Timo (GER) (1992)</b>	time		3.10	4.10	5.04	6.91	8.81	10.76	10.76	/ 3						
	reaction time	interval		1.00	0.94	1.87	1.90	1.95	# of strides	4.10	2.81					
	velocity	6.45	10.00	10.64	10.70	10.53	10.26	9.29	7.32	10.68						
<b>Schmidt, Roy (GER) (1991)</b>	time		3.12	4.10	5.04	6.90	8.80	10.78	10.78	/ 4						
	reaction time	interval		0.98	0.94	1.86	1.90	1.98	# of strides	4.10	2.80					
	velocity	6.41	10.20	10.64	10.75	10.53	10.10	9.28	7.32	10.71						
<b>Pieper, Christopher (GER) (1992)</b>	time		3.10	4.08	5.01	6.88	8.81	10.81	10.81	/ 5						
	reaction time	interval		0.98	0.93	1.87	1.93	2.00	# of strides	4.08	2.80					
	velocity	6.45	10.20	10.75	10.70	10.36	10.00	9.25	7.35	10.71						
<b>Kuhn, Patrick (GER) (1992)</b>	time		3.09	4.14	5.14	7.00	8.88	10.81	10.81	/ 6						
	reaction time	interval		1.05	1.00	1.86	1.88	1.93	# of strides	4.14	2.86					
	velocity	6.47	9.52	10.00	10.75	10.64	10.36	9.25	7.25	10.49						
<b>Wobeto, Philipp (GER) (1991)</b>	time		3.15	4.14	5.08	7.06	8.97	10.95	10.95	/ 7						
	reaction time	interval		0.99	0.94	1.98	1.91	1.98	# of strides	4.14	2.92					
	velocity	6.35	10.10	10.64	10.10	10.47	10.10	9.13	7.25	10.27						
<b>Michel, Andreas (GER) (1992)</b>	time		3.17	4.19	5.16	7.07	9.00	11.00	11.00	/ 8						
	reaction time	interval		1.02	0.97	1.91	1.93	2.00	# of strides	4.19	2.88					
	velocity	6.31	9.80	10.31	10.47	10.36	10.00	9.09	7.16	10.42						

**Semi-Final 2**

date		06-Aug-10		wind		-0.4 m/s						Graubner (2010) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>				
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Pieper, Christopher (GER) (1992)</b>	time		3.11	4.09	5.03	6.91	8.82	10.78	10.78	/ 1						
	reaction time	interval		0.98	0.94	1.88	1.91	1.96	<b>PB</b>	# of strides	4.09	2.82				
	velocity	6.43	10.20	10.64	10.64	10.47	10.20	9.28	7.33	10.64						
<b>Wobeto, Philipp (GER) (1991)</b>	time		3.17	4.17	5.12	7.00	8.90	10.89	10.89	/ 2						

reaction time	interval		1.00	0.95	1.88	1.90	1.99		# of strides	4.17	2.83	
	velocity	6.31	10.00	10.53	10.64	10.53	10.05	9.18		7.19	10.60	
<b>Michel, Andreas (GER) (1992)</b>	time	3.16	4.16	5.11	7.00	8.93	10.90	10.90	/ 3			
reaction time	interval		1.00	0.95	1.89	1.93	1.97		# of strides	4.16	2.84	
	velocity	6.33	10.00	10.53	10.58	10.36	10.15	9.17		7.21	10.56	

**Semi-Final 1**date 06-Aug-10 wind 1.0 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
<b>Erewa, Robin (GER) (1991)</b>	time	3.15	4.14	5.08	6.92	8.77	10.65	10.65				10.65	/ 1			
reaction time	interval		0.99	0.94	1.84	1.85	1.88						# of strides	4.14	2.78	
	velocity	6.35	10.10	10.64	10.87	10.81	10.64	9.39				9.39		7.25	10.79	
<b>Schmidt, Roy (GER) (1991)</b>	time	3.13	4.11	5.05	6.89	8.77	10.70	10.70				10.70	/ 2			
reaction time	interval		0.98	0.94	1.84	1.88	1.93						# of strides	4.11	2.78	
	velocity	6.39	10.20	10.64	10.87	10.64	10.36	9.35				9.35		7.30	10.79	
<b>Kuhn, Patrick (GER) (1992)</b>	time	3.13	4.13	5.08	6.95	8.83	10.76	10.76				10.76	/ 3			
reaction time	interval		1.00	0.95	1.87	1.88	1.93						# of strides	4.13	2.82	
	velocity	6.39	10.00	10.53	10.70	10.64	10.36	9.29				9.29		7.26	10.64	

**2010 Japanese National High School Championships (Okinawa, JPN)****FINAL**date 30-Jul-10 wind -2.1 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
<b>Kuki, Takumi (JPN) (1992)</b>	time	1.93	3.00	4.92	5.85	6.79	7.73	8.69	9.66	10.66	10.66	10.66	3 / 1			
reaction time	interval		1.07	1.92	0.93	0.94	0.94	0.96	0.97	1.00			# of strides			2.87
	velocity	5.18	9.35	10.42	10.75	10.64	10.64	10.42	10.31	10.00	9.38	9.38				10.45
<b>Nakayama, Yasushi (JPN) (1992)</b>	time	1.87	2.94	4.90	5.84	6.79	7.74	8.72	9.69	10.69	10.69	10.69	6 / 2			
reaction time	interval		1.07	1.96	0.94	0.95	0.95	0.98	0.97	1.00			# of strides			2.90
	velocity	5.35	9.35	10.20	10.64	10.53	10.53	10.20	10.31	10.00	9.35	9.35				10.34
<b>Yamagata, Ryota (JPN) (1992)</b>	time	1.86	2.93	4.90	5.84	6.80	7.77	8.73	9.70	10.69	10.69	10.69	5 / 3			
reaction time	interval		1.07	1.97	0.94	0.96	0.97	0.96	0.97	0.99			# of strides			2.90
	velocity	5.38	9.35	10.15	10.64	10.42	10.31	10.42	10.31	10.10	9.35	9.35				10.34
<b>Takeshita, Yuki (JPN) (1992)</b>	time	1.96	3.06	5.02	5.97	6.93	7.88	8.86	9.84	10.85	10.85	10.85	2 / 4			
reaction time	interval		1.10	1.96	0.95	0.96	0.95	0.98	0.98	1.01			# of strides			2.91
	velocity	5.10	9.09	10.20	10.53	10.42	10.53	10.20	10.20	9.90	9.22	9.22				10.31
<b>Nashimoto, Masaki (JPN) (1993)</b>	time	1.89	2.97	4.94	5.92	6.88	7.87	8.85	9.85	10.88	10.88	10.88	7 / 5			
reaction time	interval		1.08	1.97	0.98	0.96	0.99	0.98	1.00	1.03			# of strides			2.97
	velocity	5.29	9.26	10.15	10.20	10.42	10.10	10.20	10.00	9.71	9.19	9.19				10.10
<b>Sakaguchi, Takyua (JPN) (1992)</b>	time	2.00	3.07	5.06	6.00	6.97	7.93	8.91	9.90	10.93	10.93	10.93	4 / 6			
reaction time	interval		1.07	1.99	0.94	0.97	0.96	0.98	0.99	1.03			# of strides			2.93
	velocity	5.00	9.35	10.05	10.64	10.31	10.42	10.20	10.10	9.71	9.15	9.15				10.24
<b>Miyauchi, Kosei (JPN) (1992)</b>	time	1.93	3.03	5.04	6.01	6.98	7.97	8.96	9.95	10.97	10.97	10.97	8 / 7			
reaction time	interval		1.10	2.01	0.97	0.97	0.99	0.99	0.99	1.02			# of strides			2.97
	velocity	5.18	9.09	9.95	10.31	10.31	10.10	10.10	10.10	9.80	9.12	9.12				10.10
<b>Oseto, Kazuma (JPN) (1994)</b>	time	1.92	3.01	5.02	5.99	6.97	7.95	8.70	9.94	10.99	10.99	10.99	1 / 8			
reaction time	interval		1.09	2.01	0.97	0.98	0.98	0.75	1.24	1.05			# of strides			2.97
	velocity	5.21	9.17	9.95	10.31	10.20	10.20	13.33	8.06	9.52	9.10	9.10				10.10

**2010 Japanese National Multi-Event Championships (Kawasaki, JPN)****Decathlon - Heat ??**date 12-Jun-10 wind -0.9 m/s *Hisashi (2012) - performance analysis of Japanese record holder Keisuke Ushiro*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.04	3.17	4.21	5.23	6.25	7.26	8.27	9.31	10.36	11.45	11.45	???			
reaction time	interval		1.13	1.04	1.02	1.02	1.01	1.01	1.04	1.05	1.09		# of strides	4.21	3.05	3.10
	velocity	4.90	8.85	9.62	9.80	9.80	9.90	9.90	9.62	9.52	9.17	8.73		7.13	9.84	9.68

**Decathlon - Heat ??**date 12-Jun-10 wind -0.6 m/s *Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.95	3.05	4.05	5.02	5.98	6.94	7.89	8.86	9.83	10.82	10.82	???			
reaction time	interval		1.10	1.00	0.97	0.96	0.96	0.95	0.97	0.97	0.99		# of strides	4.05	2.89	2.89
	velocity	5.13	9.09	10.00	10.31	10.42	10.42	10.53	10.31	10.31	10.10	9.24		7.41	10.38	10.38

**2010 Japanese National Championships (Marugame, JPN)****FINAL**date 06-Jun-10 wind 0.0 m/s *Takikawa (????) - a study on scientific data usage model and development process of 100m performance*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Sakuma, Kota (JPN) (1985)</b>	time			3.99			6.75				10.48	10.48	5 / 5			
reaction time	0.136 interval						2.76				3.73		# of strides	3.99	2.76	
	velocity			7.52			10.87				10.72	9.54		50.0	7.52	10.87

**Semi-Final 2**

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		06-Jun-10	-0.7 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sakuma, Kota (JPN) (1985)	time												10.47	10.47	/ 2			
	reaction time												3.75		# of strides	3.96	2.76	
	interval												10.67	9.55	50.3	7.58	10.87	

**Semi-Final 1**

		date	wind	Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride														
		06-Jun-10	1.2 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Miyazaki, Hisashi (JPN) (1981)	time			1.94	2.99	3.95	4.87	5.77	6.67	7.58	8.49	9.42	10.37	10.37	4 / 2			
	reaction time	0.146											0.90		# of strides	3.95	2.72	2.75
	interval												0.93	0.95	46.1	7.59	11.03	10.91

**Heat 4**

		date	wind	Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season														
		05-Jun-10	1.8 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Eriguchi, Masashi (JPN) (1988)	time			1.91	2.95	3.89	4.78	5.66	6.53	7.41	8.30	9.22	10.16	10.16	5 / 1			
	reaction time	0.116											0.94		# of strides	3.89	2.64	2.69
	interval												0.92	0.94	47.9	7.71	11.36	11.15

**Heat 2**

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		05-Jun-10	-0.3 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sakuma, Kota (JPN) (1985)	time												10.40	10.40	/ 1			
	reaction time	0.163											3.70		# of strides	3.97	2.73	
	interval												10.81	9.62	49.8	7.56	10.99	

**2010 East Japan Corporate Championships (Kumagaya, JPN)****FINAL**

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		15-May-10	0.0 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tsukahara, Naoki (JPN) (1985)	time												10.30	10.30	/ 1			
	reaction time												3.67		# of strides	3.90	2.73	
	interval												10.90	9.71	47.4	7.69	10.99	

???

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		15-May-10	???	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Miyazaki, Hisashi (JPN) (1981)	time												10.37	10.37	???			
	reaction time												3.69		# of strides	3.96	2.72	
	interval												10.84	9.64	46.1	7.58	11.03	

**2010 Osaka Grand Prix (Osaka, JPN)****FINAL**

		date	wind	Akirabun (2011) - speed was seen in every four strides in the 100m, a change in the pitch and stride														
		08-May-10	0.0 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Frater, Michael (JAM) (1982)	time			1.93	3.00	3.94	4.84	5.73	6.62	7.50	8.40	9.31	10.24	10.24	/ 1			
	reaction time												0.93		# of strides	3.94	2.68	2.69
	interval												10.99	9.77	49.7	7.61	11.19	11.15

**2010 Mikio Oda Memorial (Hiroshima, JPN)****FINAL**

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		29-Apr-10	-0.1 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sakuma, Kota (JPN) (1985)	time												10.42	10.42	/ 1			
	reaction time												3.69		# of strides	3.99	2.74	
	interval												10.84	9.60	50.3	7.52	10.95	

**B Race**

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		29-Apr-10	1.6 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Fujimitsu, Kenji (JPN) (1986)	time												10.40	10.40	/ 1			
	reaction time												2.75		# of strides	3.96	2.75	
	interval												10.91	9.62	46.1	7.58	10.91	

**Heat 2**

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		29-Apr-10	0.3 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Sakuma, Kota (JPN) (1985)	time												10.37	10.37	/ 1			
	reaction time												3.68		# of strides	3.95	2.74	
	interval												10.87	9.64	50.0	7.59	10.95	

???

		date	wind	Takikawa (????) - a study on scientific data usage model and development process of 100m performance														
		29-Apr-10	???	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Saito, Hitoshi (JPN) (1986)	time												10.55	10.55	???			

reaction time	interval			2.78		3.72		# of strides	4.05	2.78
	velocity	7.41		10.79		10.75	9.48	45.7	7.41	10.79

**2010 Wakayama Athletics Meeting (Wakayama, JPN)****Decathlon - Heat 1**

	date	24-Apr-10	wind	1.9 m/s								<i>Hisashi (2012) - performance analysis of Japanese record holder Keisuke Ushiro</i>					
<b>Ushiro, Keisuke (JPN) (1986)</b>	time	2.02	3.15	4.19	5.20	6.19	7.19	8.18	9.19	10.22	11.27	11.27	Lane / Place	3 / 6	0-30m	30-60m	60-90m
reaction time	interval		1.13	1.04	1.01	0.99	1.00	0.99	1.01	1.03	1.05	<b>PB</b>	# of strides	4.19	3.00	3.03	
	velocity	4.95	8.85	9.62	9.90	10.10	10.00	10.10	9.90	9.71	9.52	8.87		7.16	10.00	9.90	

**2009 Gunma Relays (Maebashi, JPN)****Decathlon - Heat 2**

	date	10-Oct-09	wind	1.3 m/s									<i>Takeo (2014) - decathletes sprint ability and the relationship of the individual event performance</i>				
<b>Nakamura, Akihiko (JPN) (1990)</b>	time	1.96	3.06	4.08	5.06	6.02	6.98	7.94	8.91	9.90	10.93	10.93	Lane / Place	5 / 1	0-30m	30-60m	60-90m
reaction time	interval		1.10	1.02	0.98	0.96	0.96	0.96	0.97	0.99	1.03		# of strides	4.08	2.90	2.92	
	velocity	5.10	9.09	9.80	10.20	10.42	10.42	10.42	10.31	10.10	9.71	9.15		7.35	10.34	10.27	

**2009 Seiko Super Grand Prix (Kawasaki, JPN)****FINAL**

	date	23-Sep-09	wind	0.5 m/s									<i>Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season</i>				
<b>Gay, Tyson (USA) (1982)</b>	time	1.93	2.99	3.92	4.82	5.69	6.56	7.43	8.30	9.20	10.13	10.13	Lane / Place	/ 1	0-30m	30-60m	60-90m
reaction time	interval		1.06	0.93	0.90	0.87	0.87	0.87	0.87	0.90	0.93		# of strides	3.92	2.64	2.64	
	velocity	5.18	9.43	10.75	11.11	11.49	11.49	11.49	11.49	11.11	10.75	9.87		7.65	11.36	11.36	

**2009 Japanese National University Championships (Tokyo, JPN)****???**

	date	04-Sep-09	wind	???									<i>Takikawa (???) - a study on scientific data usage model and development process of 100m performance</i>				
<b>Saito, Hitoshi (JPN) (1986)</b>	time			3.99			6.77				10.49	10.49	Lane / Place	???	0-30m	30-60m	60-90m
reaction time	interval						2.78				3.72		# of strides	3.99	2.78		
	velocity			7.52			10.79				10.75	9.53		46.3	7.52	10.79	

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

	date	19-Aug-09	wind	-0.4 m/s									<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
<b>Coertzen, Willem (RSA) (1982)</b>	time		3.14		5.09		7.01		8.91		10.89	10.89	Lane / Place	2 / 1	0-30m	30-60m	60-90m
reaction time	0.181	interval			1.95		1.92		1.90		1.98	<b>PB</b>	# of strides				
	velocity		6.37		10.26		10.42		10.53		10.10	9.18					
<b>Wiberg, Nicklas (SWE) (1985)</b>	time		3.15		5.11		7.04		8.97		10.96	10.96	Lane / Place	1 / 2	0-30m	30-60m	60-90m
reaction time	0.161	interval			1.96		1.93		1.93		1.99	<b>PB</b>	# of strides				
	velocity		6.35		10.20		10.36		10.36		10.05	9.12					
<b>Arnold, Jake (USA) (1984)</b>	time		3.13		5.10		7.06		8.99		11.01	11.01	Lane / Place	3 / 4	0-30m	30-60m	60-90m
reaction time	0.163	interval			1.97		1.96		1.93		2.02	<b>=PB</b>	# of strides				
	velocity		6.39		10.15		10.20		10.36		9.90	9.08					
<b>Barras, Romain (FRA) (1980)</b>	time		3.20		5.21		7.18		9.12		11.14	11.14	Lane / Place	4 / 7	0-30m	30-60m	60-90m
reaction time	0.158	interval			2.01		1.97		1.94		2.02		# of strides				
	velocity		6.25		9.95		10.15		10.31		9.90	8.98					

**Decathlon - Heat 4**

	date	19-Aug-09	wind	0.0 m/s									<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
<b>Behrenbruch, Pascal (GER) (1985)</b>	time		3.10		5.07		7.00		8.92		10.92	10.92	Lane / Place	4 / 2	0-30m	30-60m	60-90m
reaction time	0.135	interval			1.97		1.93		1.92		2.00		# of strides				
	velocity		6.45		10.15		10.36		10.42		10.00	9.16					
<b>Müller, Norman (GER) (1985)</b>	time		3.13		5.13		7.07		8.99		11.01	11.01	Lane / Place	7 / 4	0-30m	30-60m	60-90m
reaction time	0.131	interval			2.00		1.94		1.92		2.02		# of strides				
	velocity		6.39		10.00		10.31		10.42		9.90	9.08					
<b>Sintnicolaas, Eelco (NED) (1987)</b>	time		3.17		5.16		7.11		9.04		11.05	11.05	Lane / Place	5 / 6	0-30m	30-60m	60-90m
reaction time	0.166	interval			1.99		1.95		1.93		2.01		# of strides				
	velocity		6.31		10.05		10.26		10.36		9.95	9.05					
<b>Suárez, Leonel (CUB) (1987)</b>	time		3.10		5.10		7.07		9.06		11.13	11.13	Lane / Place	8 / 8	0-30m	30-60m	60-90m
reaction time	0.154	interval			2.00		1.97		1.99		2.07		# of strides				
	velocity		6.45		10.00		10.15		10.05		9.66	8.98					

**Decathlon - Heat 3**

	date	19-Aug-09	wind	0.2 m/s									<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
<b>Hardee, Trey (USA) (1984)</b>	time		2.98		4.87		6.70		8.54		10.45	10.45	Lane / Place	5 / 1	0-30m	30-60m	60-90m
reaction time	0.130	interval			1.89		1.83		1.84		1.91		# of strides				
	velocity		6.71		10.58		10.93		10.87		10.47	9.57					
<b>Eaton, Ashton (USA) (1988)</b>	time		3.00		4.90		6.77		8.61		10.53	10.53	Lane / Place	2 / 2	0-30m	30-60m	60-90m

reaction time	0.162	interval		1.90	1.87	1.84	1.92		# of strides
		velocity	6.67	10.53	10.70	10.87	10.42	9.50	
<b>García, Yordanis (CUB) (1988)</b>	time		3.05	4.96	6.83	8.68	10.60	10.60	8 / 3
reaction time	0.156	interval		1.91	1.87	1.85	1.92	<b>PB</b>	# of strides
		velocity	6.56	10.47	10.70	10.81	10.42	9.43	
<b>Kasyanov, Oleksiy (UKR) (1985)</b>	time		3.08	5.01	6.89	8.73	10.63	10.63	6 / 4
reaction time	0.162	interval		1.93	1.88	1.84	1.90		# of strides
		velocity	6.49	10.36	10.64	10.87	10.53	9.41	
<b>Bouraada, Larbi (ALG) (1988)</b>	time		3.10	5.04	6.92	8.77	10.68	10.68	1 / 6
reaction time	0.131	interval		1.94	1.88	1.85	1.91	<b>PB</b>	# of strides
		velocity	6.45	10.31	10.64	10.81	10.47	9.36	
<b>Raja, Andres (EST) (1982)</b>	time		3.11	5.08	6.98	8.87	10.82	10.82	3 / 7
reaction time	0.159	interval		1.97	1.90	1.89	1.95		# of strides
		velocity	6.43	10.15	10.53	10.58	10.26	9.24	

## Decathlon - Heat 2

	date	19-Aug-09	wind	-0.3 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										Official Time	Lane / Place	0-30m	30-60m	60-90m
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m							
<b>Pogorelov, Aleksandr (RUS) (1980)</b>	time		3.17	5.15	7.07	8.97	10.95	10.95	7 / 1										
reaction time	0.168	interval		1.98	1.92	1.90	1.98		# of strides										
		velocity	6.31	10.10	10.42	10.53	10.10	9.13											
<b>Cleve, Moritz (GER) (1987)</b>	time		3.21	5.23	7.17	9.08	11.06	11.06	2 / 2										
reaction time	0.172	interval		2.02	1.94	1.91	1.98	<b>PB</b>	# of strides										
		velocity	6.23	9.90	10.31	10.47	10.10	9.04											
<b>Šebrle, Roman (CZE) (1974)</b>	time		3.17	5.17	7.13	9.08	11.16	11.16	8 / 3										
reaction time	0.160	interval		2.00	1.96	1.95	2.08		# of strides										
		velocity	6.31	10.00	10.20	10.26	9.62	8.96											
<b>Krauchanka, Andrei (BLR) (1986)</b>	time		3.20	5.22	7.19	9.15	11.18	11.18	4 / =5										
reaction time	0.169	interval		2.02	1.97	1.96	2.03		# of strides										
		velocity	6.25	9.90	10.15	10.20	9.85	8.94											
<b>Martineau, Eugène (NED) (1980)</b>	time		3.18	5.21	7.18	9.15	11.18	11.18	6 / =5										
reaction time	0.124	interval		2.03	1.97	1.97	2.03		# of strides										
		velocity	6.29	9.85	10.15	10.15	9.85	8.94											

## Decathlon - Heat 1

	date	19-Aug-09	wind	0.3 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										Official Time	Lane / Place	0-30m	30-60m	60-90m
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m							
<b>Sysoyev, Aleksey (RUS) (1985)</b>	time		3.17	5.15	7.06	8.93	10.85	10.85	4 / 1										
reaction time	0.144	interval		1.98	1.91	1.87	1.92		# of strides										
		velocity	6.31	10.10	10.47	10.70	10.42	9.22											
<b>Karpov, Dmitriy (KAZ) (1981)</b>	time		3.19	5.18	7.12	9.03	11.02	11.02	6 / 2										
reaction time	0.158	interval		1.99	1.94	1.91	1.99		# of strides										
		velocity	6.27	10.05	10.31	10.47	10.05	9.07											
<b>Kharlamov, Vasilii (RUS) (1986)</b>	time		3.14	5.13	7.12	9.12	11.22	11.22	7 / 3										
reaction time	0.184	interval		1.99	1.99	2.00	2.10	<b>PB</b>	# of strides										
		velocity	6.37	10.05	10.05	10.00	9.52	8.91											

## FINAL

	date	16-Aug-09	wind	0.9 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										Official Time	Lane / Place	0-30m	30-60m	60-90m
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m							
<b>Bolt, Usain (JAM) (1986)</b>	time		1.88	2.88	3.78	4.64	5.47	6.29	7.10	7.92	8.74	9.58	9.58	4 / 1					
reaction time	0.146	interval		1.00	0.90	0.86	0.83	0.82	0.81	0.82	0.82	0.84	<b>WR</b>	# of strides	3.78	2.51	2.45		
		velocity	5.32	10.00	11.11	11.63	12.05	12.20	12.35	12.20	12.20	11.90	10.44	40.9	7.94	11.95	12.24		
<b>Gay, Tyson (USA) (1982)</b>	time		1.91	2.93	3.84	4.70	5.54	6.36	7.19	8.02	8.86	9.71	9.71	5 / 2					
reaction time	0.144	interval		1.02	0.91	0.86	0.84	0.82	0.83	0.83	0.84	0.85	<b>AR</b>	# of strides	3.84	2.52	2.50		
		velocity	5.24	9.80	10.98	11.63	12.39	12.40	12.40	12.31	12.33	12.33	10.30	45.9	7.81	11.90	12.00		
<b>Powell, Asafa (JAM) (1982)</b>	time		1.88	2.90	3.83	4.71	5.56	6.40	7.24	8.09	8.95	9.84	9.84	6 / 3					
reaction time	0.134	interval		1.02	0.93	0.88	0.85	0.84	0.84	0.85	0.86	0.89		# of strides	3.83	2.57	2.55		
		velocity	5.32	9.80	10.75	11.36	11.76	11.90	11.90	11.76	11.63	11.24	10.16	44.5	7.83	11.67	11.76		
<b>Bailey, Daniel (ANT) (1986)</b>	time		2.92	3.85	4.73	5.61	6.48	7.35	8.22	9.09	9.96	9.93	9.93	3 / 4					
reaction time	0.129	interval		0.93	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80		# of strides	3.85	2.63			
		velocity	6.85	10.75	11.36	11.43	11.43	11.43	11.43	11.43	11.43	11.43	10.07	47.8	7.79	11.41			
<b>Thompson, Richard (TTO) (1985)</b>	time		2.90	3.83	4.71	5.59	6.45	7.32	8.19	9.06	9.93	9.93	9.93	8 / 5					
reaction time	0.119	interval		0.93	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80		# of strides	3.83	2.62			
		velocity																	

	velocity	6.90	10.75	11.36	11.49	11.63	11.36	10.07	43.7	7.83	11.45			
<b>Chambers, Dwain (GBR) (1978)</b>	time	2.93	3.86	4.75	6.50	8.22	10.00	10.00	1 / 6			<i>Graubner (2009)</i>		
	reaction time	0.123	interval	0.93	0.89	1.75	1.72	1.78	# of strides	3.86	2.64			
	velocity	6.83	10.75	11.24	11.43	11.63	11.24	10.00	42.7	7.77	11.36			
<b>Burns, Marc (TTO) (1983)</b>	time	2.94	3.87	4.76	6.52	8.24	10.00	10.00	2 / 7			<i>Graubner (2009)</i>		
	reaction time	0.165	interval	0.93	0.89	1.76	1.72	1.76	# of strides	3.87	2.65			
	velocity	6.80	10.75	11.24	11.36	11.63	11.36	10.00	44.1	7.75	11.32			
<b>Patton, Darvis (USA) (1977)</b>	time	2.96	3.93	4.85	6.65	8.42	10.34	10.34	7 / 8			<i>Graubner (2009)</i>		
	reaction time	0.149	interval	0.97	0.92	1.80	1.77	1.92	# of strides	3.93	2.72			
	velocity	6.76	10.31	10.87	11.11	11.30	10.42	9.67	46.1	7.63	11.03			

**Semi-Final 2**

		date	16-Aug-09		wind -0.2 m/s		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Gay, Tyson (USA) (1982)</b>	time		2.99	3.92	4.80	6.54	8.21	9.93	9.93	5 / 1							
	reaction time	0.143	interval	0.93	0.88	1.74	1.67	1.72	# of strides	3.92	2.62						
	velocity	6.69	10.75	11.36	11.49	11.98	11.63	10.07	44.5	7.65	11.45						
<b>Powell, Asafa (JAM) (1982)</b>	time		2.92	3.85	4.73	6.47	8.17	9.95	9.95	4 / 2							
	reaction time	0.133	interval	0.93	0.88	1.74	1.70	1.78	# of strides	3.85	2.62						
	velocity	6.85	10.75	11.36	11.49	11.76	11.24	10.05	43.5	7.79	11.45						
<b>Thompson, Richard (TTO) (1985)</b>	time		2.92	3.85	4.74	6.51	8.22	9.98	9.98	3 / 3							
	reaction time	0.132	interval	0.93	0.89	1.77	1.71	1.76	# of strides	3.85	2.66						
	velocity	6.85	10.75	11.24	11.30	11.70	11.36	10.02	44.0	7.79	11.28						
<b>Chambers, Dwain (GBR) (1978)</b>	time		2.96	3.90	4.79	6.55	8.26	10.04	10.04	6 / 4							
	reaction time	0.182	interval	0.94	0.89	1.76	1.71	1.78	# of strides	3.90	2.65						
	velocity	6.76	10.64	11.24	11.36	11.70	11.24	9.96	44.7	7.69	11.32						
<b>Frater, Michael (JAM) (1982)</b>	time		2.97	3.91	4.81	6.59	8.31	10.14	10.14	7 / 5							
	reaction time	0.153	interval	0.94	0.90	1.78	1.72	1.83	# of strides	3.91	2.68						
	velocity	6.73	10.64	11.11	11.24	11.63	10.93	9.86	49.0	7.67	11.19						
<b>Edwards, Monzavous (Rae) (USA)</b>	time		3.01	3.97	4.89	6.67	8.38	10.14	10.14	2 / 6							
	reaction time	0.146	interval	0.96	0.92	1.78	1.71	1.76	# of strides	3.97	2.70						
	velocity	6.64	10.42	10.87	11.24	11.70	11.36	9.86	45.5	7.56	11.11						
<b>Phiri, Gerald (ZAM) (1988)</b>	time		2.93	3.88	4.79	6.59	8.36	10.19	10.19	1 / 7							
	reaction time	0.143	interval	0.95	0.91	1.80	1.77	1.83	# of strides	3.88	2.71						
	velocity	6.83	10.53	10.99	11.11	11.30	10.93	9.81	46.0	7.73	11.07						
<b>Tsukahara, Naoki (JPN) (1985)</b>	time		2.98	3.94	4.86	6.67	8.44	10.25	10.25	8 / 8							
	reaction time	0.152	interval	0.96	0.92	1.81	1.77	1.81	# of strides	3.94	2.73						
	velocity	6.71	10.42	10.87	11.05	11.30	11.05	9.76	43.0	7.61	10.99						

**Semi-Final 1**

		date	16-Aug-09		wind 0.2 m/s		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>										
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bolt, Usain (JAM) (1986)</b>	time		2.89	3.81	4.68	6.41	8.11	9.89	9.89	6 / 1							
	reaction time	0.135	interval	0.92	0.87	1.73	1.70	1.78	# of strides	3.81	2.60						
	velocity	6.92	10.87	11.49	11.56	11.76	11.24	10.11	40.0	7.87	11.54						
<b>Bailey, Daniel (ANT) (1986)</b>	time		2.93	3.86	4.74	6.49	8.19	9.96	9.96	4 / 2							
	reaction time	0.135	interval	0.93	0.88	1.75	1.70	1.77	# of strides	3.86	2.63						
	velocity	6.83	10.75	11.36	11.43	11.76	11.30	10.04	48.0	7.77	11.41						
<b>Patton, Darvis (USA) (1977)</b>	time		2.96	3.89	4.78	6.51	8.21	9.98	9.98	3 / 3							
	reaction time	0.152	interval	0.93	0.89	1.73	1.70	1.77	# of strides	3.89	2.62						
	velocity	6.76	10.75	11.24	11.56	11.76	11.30	10.02	46.0	7.71	11.45						
<b>Burns, Marc (TTO) (1983)</b>	time		2.95	3.88	4.76	6.52	8.23	10.01	10.01	8 / 4							
	reaction time	0.159	interval	0.93	0.88	1.76	1.71	1.78	# of strides	3.88	2.64						
	velocity	6.78	10.75	11.36	11.36	11.70	11.24	9.99	43.0	7.73	11.36						
<b>Rodgers, Michael (USA) (1985)</b>	time		2.95	3.89	4.79	6.55	8.27	10.04	10.04	5 / 5							
	reaction time	0.154	interval	0.94	0.90	1.76	1.72	1.77	# of strides	3.89	2.66						
	velocity	6.78	10.64	11.11	11.36	11.63	11.30	9.96	44.5	7.71	11.28						
<b>Mbandjock, Martial (FRA) (1985)</b>	time		3.06	4.01	4.92	6.69	8.41	10.18	10.18	1 / 6							
	reaction time	0.138	interval	0.95	0.91	1.77	1.72	1.77	# of strides	4.01	2.68						
	velocity	6.54	10.53	10.99	11.30	11.63	11.30	9.82	43.5	7.48	11.19						
<b>Saidy Ndure, Jaysuma (NOR) (1985)</b>	time		2.96	3.91	4.81	6.60	8.36	10.20	10.20	2 / 7							
	reaction time	0.143	interval	0.95	0.90	1.79	1.76	1.84	# of strides	3.91	2.69						
	velocity	6.76	10.53	11.11	11.17	11.36	10.87	9.80	44.0	7.67	11.15						

Edgar, Tyrone (GBR) (1982) no information available **DQ** 7 / --

**Quarter-Final 5**

date 15-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
<b>Bailey, Daniel (ANT) (1986)</b>	time			2.99	3.89	4.74		6.49		8.20		10.02	10.02	3 / 1			
	reaction time	0.149	interval		0.90	0.85		1.75		1.71		1.82		# of strides	3.89	2.60	
			velocity	6.69	11.11	11.76		11.43		11.70		10.99	9.98		7.71	11.54	
<b>Bolt, Usain (JAM) (1986)</b>	time			2.93	3.85	4.73		6.47		8.20		10.03	10.03	4 / 2			
	reaction time	0.155	interval		0.92	0.88		1.74		1.73		1.83		# of strides	3.85	2.62	
			velocity	6.83	10.87	11.36		11.49		11.56		10.93	9.97		7.79	11.45	
<b>Edwards, Monzavous (Rae) (USA)</b>	time			3.01	3.97	4.88		6.66		8.38		10.15	10.15	7 / 3			
	reaction time	0.157	interval		0.96	0.91		1.78		1.72		1.77		# of strides	3.97	2.69	
			velocity	6.64	10.42	10.99		11.24		11.63		11.30	9.85		7.56	11.15	
<b>Martina, Churandy (AHO) (1984)</b>	time			3.10	4.06	4.97		6.74		8.44		10.19	10.19	8 / 4			
	reaction time	0.205	interval		0.96	0.91		1.77		1.70		1.75		# of strides	4.06	2.68	
			velocity	6.45	10.42	10.99		11.30		11.76		11.43	9.81		7.39	11.19	
<b>Williamson, Simeon (GBR) (1986)</b>	time			3.00	3.95	4.86		6.64		8.40		10.23	10.23	5 / 5			
	reaction time	0.156	interval		0.95	0.91		1.78		1.76		1.83		# of strides	3.95	2.69	
			velocity	6.67	10.53	10.99		11.24		11.36		10.93	9.78		7.59	11.15	
<b>Palacios, Rolando (HON) (1987)</b>	time			3.06	4.01	4.91		6.70		8.45		10.24	10.24	2 / 6			
	reaction time	0.215	interval		0.95	0.90		1.79		1.75		1.79		# of strides	4.01	2.69	
			velocity	6.54	10.53	11.11		11.17		11.43		11.17	9.77		7.48	11.15	
<b>Callender, Emmanuel (TTO) (1984)</b>	time			2.98	3.94	4.85		6.65		8.42		10.27	10.27	6 / 7			
	reaction time	0.149	interval		0.96	0.91		1.80		1.77		1.85		# of strides	3.94	2.71	
			velocity	6.71	10.42	10.99		11.11		11.30		10.81	9.74		7.61	11.07	
<b>Kuć, Dariusz (POL) (1986)</b>	time			3.05	4.01	4.93		6.74		8.53		10.38	10.38	1 / 8			
	reaction time	0.184	interval		0.96	0.92		1.81		1.79		1.85		# of strides	4.01	2.73	
			velocity	6.56	10.42	10.87		11.05		11.17		10.81	9.63		7.48	10.99	

**Quarter-Final 4**

date 15-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
<b>Gay, Tyson (USA) (1982)</b>	time			2.97	3.90	4.79		6.53		8.22		9.98	9.98	6 / 1			
	reaction time	0.155	interval		0.93	0.89		1.74		1.69		1.76		# of strides	3.90	2.63	
			velocity	6.73	10.75	11.24		11.49		11.83		11.36	10.02		7.69	11.41	
<b>Frater, Michael (JAM) (1982)</b>	time			2.95	3.89	4.78		6.54		8.28		10.09	10.09	5 / 2			
	reaction time	0.142	interval		0.94	0.89		1.76		1.74		1.81		# of strides	3.89	2.65	
			velocity	6.78	10.64	11.24		11.36		11.49		11.05	9.91		7.71	11.32	
<b>Saidy Ndure, Jaysuma (NOR) (1988)</b>	time			2.96	3.90	4.79		6.58		8.33		10.16	10.16	3 / 3			
	reaction time	0.146	interval		0.94	0.89		1.79		1.75		1.83		# of strides	3.90	2.68	
			velocity	6.76	10.64	11.24		11.17		11.43		10.93	9.84		7.69	11.19	
<b>Hinds, Andrew (BAR) (1984)</b>	time			2.96	3.91	4.82		6.61		8.38		10.23	10.23	4 / 4			
	reaction time	0.128	interval		0.95	0.91		1.79		1.77		1.85		# of strides	3.91	2.70	
			velocity	6.76	10.53	10.99		11.17		11.30		10.81	9.78		7.67	11.11	
<b>Griffith, Adrian (BAH) (1984)</b>	time			3.02	3.97	4.88		6.68		8.45		10.28	10.28	1 / 5			
	reaction time	0.160	interval		0.95	0.91		1.80		1.77		1.83		# of strides	3.97	2.71	
			velocity	6.62	10.53	10.99		11.11		11.30		10.93	9.73		7.56	11.07	
<b>Metu, Obinna (NGR) (1988)</b>	time			2.96	3.93	4.86		6.70		8.49		10.36	10.36	7 / 6			
	reaction time	0.118	interval		0.97	0.93		1.84		1.79		1.87		# of strides	3.93	2.77	
			velocity	6.76	10.31	10.75		10.87		11.17		10.70	9.65		7.63	10.83	
<b>Cerutti, Fabio (ITA) (1985)</b>	time			2.95	3.92	4.85		6.68		8.50		10.37	10.37	8 / 7			
	reaction time	0.136	interval		0.97	0.93		1.83		1.82		1.87		# of strides	3.92	2.76	
			velocity	6.78	10.31	10.75		10.93		10.99		10.70	9.64		7.65	10.87	
<b>Rodríguez, Ángel David (ESP) (1988)</b>	time			3.00	3.98	4.91		6.74		8.54		10.39	10.39	2 / 8			
	reaction time	0.149	interval		0.98	0.93		1.83		1.80		1.85		# of strides	3.98	2.76	
			velocity	6.67	10.20	10.75		10.93		11.11		10.81	9.62		7.54	10.87	

**Quarter-Final 3**

date 15-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
<b>Powell, Asafa (JAM) (1982)</b>	time			2.89	3.81	4.69		6.41		8.10		9.95	9.95	1 / 1			
	reaction time	0.130	interval		0.92	0.88		1.72		1.69		1.85		# of strides	3.81	2.60	
			velocity	6.92	10.87	11.36		11.63		11.83		10.81	10.05		7.87	11.54	



<b>Patton, Darvis (USA) (1977)</b>	time	2.99	3.90	4.76	6.51	8.21	10.05	10.05	3 / 2		
reaction time	0.141	interval	0.91	0.86	1.75	1.70	1.84		# of strides	3.90	2.61
		velocity	6.69	10.99	11.63	11.43	11.76	10.87	9.95	7.69	11.49
<b>Burns, Marc (TTO) (1983)</b>	time	2.97	3.91	4.81	6.59	8.32	10.12	10.12	8 / 3		
reaction time	0.184	interval	0.94	0.90	1.78	1.73	1.80		# of strides	3.91	2.68
		velocity	6.73	10.64	11.11	11.24	11.56	11.11	9.88	7.67	11.19
<b>Collins, Kim (SKN) (1976)</b>	time	2.94	3.89	4.80	6.61	8.37	10.20	10.20	5 / 4		
reaction time	0.157	interval	0.95	0.91	1.81	1.76	1.83		# of strides	3.89	2.72
		velocity	6.80	10.53	10.99	11.05	11.36	10.93	9.80	7.71	11.03
<b>Francis, Samuel (QAT) (1987)</b>	time	2.95	3.90	4.80	6.60	8.35	10.20	10.20	6 / 5		
reaction time	0.147	interval	0.95	0.90	1.80	1.75	1.85		# of strides	3.90	2.70
		velocity	6.78	10.53	11.11	11.11	11.43	10.81	9.80	7.69	11.11
<b>Fasuba, Oljusoji (NGR) (1984)</b>	time	2.96	3.91	4.81	6.62	8.40	10.25	10.25	4 / 6		
reaction time	0.174	interval	0.95	0.90	1.81	1.78	1.85		# of strides	3.91	2.71
		velocity	6.76	10.53	11.11	11.05	11.24	10.81	9.76	7.67	11.07
<b>Pognon, Ronald (FRA) (1982)</b>	time	2.99	3.94	4.85	6.64	8.42	10.27	10.27	7 / 7		
reaction time	0.149	interval	0.95	0.91	1.79	1.78	1.85		# of strides	3.94	2.70
		velocity	6.69	10.53	10.99	11.17	11.24	10.81	9.74	7.61	11.11
<b>Kimura, Shintaro (JPN) (1987)</b>	time	2.97	3.94	4.87	6.74	8.60	10.54	10.54	2 / 8		
reaction time	0.138	interval	0.97	0.93	1.87	1.86	1.94		# of strides	3.94	2.80
		velocity	6.73	10.31	10.75	10.70	10.75	10.31	9.49	7.61	10.71

Akirabun (2010) - changes in stride frequency and stride length of the world's top sprinter

## Quarter-Final 2

date	15-Aug-09	wind	0.4 m/s										Official Time	Lane / Place	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m			0-30m	30-60m	60-90m
<b>Rodgers, Michael (USA) (1985)</b>	time	2.91	3.84	4.72	6.47	8.20	10.01	10.01	6 / 1			Graubner (2009)					
reaction time	0.147	interval	0.93	0.88	1.75	1.73	1.81		# of strides	3.84	2.63						
		velocity	6.87	10.75	11.36	11.43	11.56	11.05	9.99	7.81	11.41						
<b>Edgar, Tyrone (GBR) (1982)</b>	time	2.96	3.91	4.81	6.59	8.31	10.12	10.12	7 / 2			Graubner (2009)					
reaction time	0.149	interval	0.95	0.90	1.78	1.72	1.81		# of strides	3.91	2.68						
		velocity	6.76	10.53	11.11	11.24	11.63	11.05	9.88	7.67	11.19						
<b>Tsukahara, Naoki (JPN) (1985)</b>	time	1.90	2.95	3.90	4.80	5.70	6.58	7.46	8.34	9.23	10.15	10.15	4 / 3				
reaction time	0.128	interval	1.05	0.95	0.90	0.90	0.88	0.88	0.88	0.89	0.92		# of strides	3.90	2.68	2.65	
		velocity	5.26	9.52	10.53	11.11	11.11	11.36	11.36	11.36	11.24	10.87	9.85	7.69	11.19	11.32	
<b>Phiri, Gerald (ZAM) (1988)</b>	time	2.93	3.87	4.77	6.57	8.33	10.16	10.16	5 / 4			Graubner (2009)					
reaction time	0.146	interval	0.94	0.90	1.80	1.76	1.83		# of strides	3.87	2.70						
		velocity	6.83	10.64	11.11	11.11	11.36	10.93	9.84	7.75	11.11						
<b>Ogho-Ogene, Egwero (NGR) (1985)</b>	time	2.95	3.89	4.78	6.56	8.31	10.19	10.19	8 / 5			Graubner (2009)					
reaction time	0.161	interval	0.94	0.89	1.78	1.75	1.88	<b>PB</b>		# of strides	3.89	2.67					
		velocity	6.78	10.64	11.24	11.24	11.43	10.64	9.81	7.71	11.24						
<b>Magakwe, Simon (RSA) (1985)</b>	time	3.02	3.99	4.91	6.76	8.61	10.71	10.71	1 / 6			Graubner (2009)					
reaction time	0.146	interval	0.97	0.92	1.85	1.85	2.10		# of strides	3.99	2.77						
		velocity	6.62	10.31	10.87	10.81	10.81	9.52	9.34	7.52	10.83						

## Quarter-Final 1

date	15-Aug-09	wind	-0.7 m/s										Official Time	Lane / Place	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m			0-30m	30-60m	60-90m
<b>Chambers, Dwain (GBR) (1978)</b>	time	2.94	3.87	4.76	6.52	8.25	10.04	10.04	3 / 1								
reaction time	0.150	interval	0.93	0.89	1.76	1.73	1.79		# of strides	3.87	2.65						
		velocity	6.80	10.75	11.24	11.36	11.56	11.17	9.96	7.75	11.32						
<b>Thompson, Richard (TTO) (1985)</b>	time	2.92	3.86	4.76	6.54	8.28	10.08	10.08	4 / 2								
reaction time	0.145	interval	0.94	0.90	1.78	1.74	1.80		# of strides	3.86	2.68						
		velocity	6.85	10.64	11.11	11.24	11.49	11.11	9.92	7.77	11.19						
<b>Mbandjock, Martial (FRA) (1985)</b>	time	3.06	4.02	4.93	6.72	8.44	10.22	10.22	5 / 3								
reaction time	0.150	interval	0.96	0.91	1.79	1.72	1.78		# of strides	4.02	2.70						
		velocity	6.54	10.42	10.99	11.17	11.63	11.24	9.78	7.46	11.11						
<b>Di Gregorio, Emanuele (ITA) (1980)</b>	time	2.98	3.94	4.85	6.65	8.42	10.26	10.26	6 / 4								
reaction time	0.156	interval	0.96	0.91	1.80	1.77	1.84		# of strides	3.94	2.71						
		velocity	6.71	10.42	10.99	11.11	11.30	10.87	9.75	7.61	11.07						
<b>Harris, Adam (GUY) (1980)</b>	time	2.99	3.95	4.86	6.69	8.50	10.39	10.39	8 / 5								
reaction time	0.144	interval	0.96	0.91	1.83	1.81	1.89		# of strides	3.95	2.74						
		velocity	6.69	10.42	10.99	10.93	11.05	10.58	9.62	7.59	10.95						

<b>Abrantes, Arnaldo (POR) (1986)</b>	time	3.01	3.98	4.90	6.73	8.53	10.40	10.40	7 / 6								
	reaction time	0.159		interval	0.97	0.92	1.83	1.80	1.87	# of strides	3.98	2.75					
	velocity	6.64	10.31	10.87	10.93	11.11	10.70	9.62			7.54	10.91					
<b>Keller, Martin (GER) (1986)</b>	time	3.05	4.02	4.95	6.77	8.56	10.40	10.40	2 / 7								
	reaction time	0.136		interval	0.97	0.93	1.82	1.79	1.84	# of strides	4.02	2.75					
	velocity	6.56	10.31	10.75	10.99	11.17	10.87	9.62			7.46	10.91					
<b>Eriguchi, Masashi (JPN) (1988)</b>	time	2.98	3.94	4.86	6.71	8.56	10.45	10.45	1 / 8								
	reaction time	0.123		interval	0.96	0.92	1.85	1.85	1.89	# of strides	3.94	2.77					
	velocity	6.71	10.42	10.87	10.81	10.81	10.58	9.57			7.61	10.83					
<b>Heat 12</b>																	
	date	15-Aug-09	wind -0.4 m/s		Graubner (2009) - biomechanical analyses at the 12th IAAF world championships												
<b>Rodgers, Michael (USA) (1985)</b>			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
	time		2.96	3.91	4.81	6.62	8.40	10.25	10.25	3 / 1							
	reaction time	0.157		interval	0.95	0.90	1.81	1.78	1.85	# of strides	3.91	2.71					
	velocity		6.76	10.53	11.11	11.05	11.24	10.81	9.76			7.67	11.07				
<b>Tsukahara, Naoki (JPN) (1985)</b>	time		2.95	3.91	4.82	6.64	8.44	10.28	10.28	2 / 2							
	reaction time	0.145		interval	0.96	0.91	1.82	1.80	1.84	# of strides	3.91	2.73					
	velocity		6.78	10.42	10.99	10.99	11.11	10.87	9.73			7.67	10.99				
<b>Harris, Adam (GUY) (1980)</b>	time		2.98	3.93	4.83	6.65	8.46	10.35	10.35	8 / 3							
	reaction time	0.134		interval	0.95	0.90	1.82	1.81	1.89	# of strides	3.93	2.72					
	velocity		6.71	10.53	11.11	10.99	11.05	10.58	9.66			7.63	11.03				
<b>Gittens, Ramon (BAR) (1987)</b>	time		3.00	3.97	4.89	6.74	8.58	10.47	10.47	4 / 4							
	reaction time	0.147		interval	0.97	0.92	1.85	1.84	1.89	# of strides	3.97	2.77					
	velocity		6.67	10.31	10.87	10.81	10.87	10.58	9.55			7.56	10.83				
<b>Nabe, Cédric (SUI) (1983)</b>	time		3.01	3.98	4.90	6.75	8.61	10.51	10.51	6 / 5							
	reaction time	0.118		interval	0.97	0.92	1.85	1.86	1.90	# of strides	3.98	2.77					
	velocity		6.64	10.31	10.87	10.81	10.75	10.53	9.51			7.54	10.83				
<b>Heat 11</b>																	
	date	15-Aug-09	wind -0.2 m/s		Graubner (2009) - biomechanical analyses at the 12th IAAF world championships												
<b>Gay, Tyson (USA) (1982)</b>			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
	time		3.02	3.96	4.85	6.62	8.35	10.16	10.16	8 / 1							
	reaction time	0.194		interval	0.94	0.89	1.77	1.73	1.81	# of strides	3.96	2.66					
	velocity		6.62	10.64	11.24	11.30	11.56	11.05	9.84			7.58	11.28				
<b>Collins, Kim (SKN) (1976)</b>	time		2.98	3.94	4.85	6.66	8.44	10.28	10.28	6 / 2							
	reaction time	0.159		interval	0.96	0.91	1.81	1.78	1.84	# of strides	3.94	2.72					
	velocity		6.71	10.42	10.99	11.05	11.24	10.87	9.73			7.61	11.03				
<b>Cerutti, Fabio (ITA) (1985)</b>	time		2.94	3.90	4.82	6.65	8.47	10.36	10.36	3 / 3							
	reaction time	0.138		interval	0.96	0.92	1.83	1.82	1.89	# of strides	3.90	2.75					
	velocity		6.80	10.42	10.87	10.93	10.99	10.58	9.65			7.69	10.91				
<b>Hyman, Kemar (CAY) (1989)</b>	time		3.00	3.98	4.91	6.77	8.63	10.59	10.59	7 / 4							
	reaction time	0.163		interval	0.98	0.93	1.86	1.86	1.96	# of strides	3.98	2.79					
	velocity		6.67	10.20	10.75	10.75	10.75	10.20	9.44			7.54	10.75				
<b>Heat 10</b>																	
	date	15-Aug-09	wind -0.3 m/s		Graubner (2009) - biomechanical analyses at the 12th IAAF world championships												
<b>Thompson, Richard (TTO) (1985)</b>			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
	time		2.97	3.92	4.83	6.63	8.42	10.36	10.36	6 / 1							
	reaction time	0.155		interval	0.95	0.91	1.80	1.79	1.94	# of strides	3.92	2.71					
	velocity		6.73	10.53	10.99	11.11	11.17	10.31	9.65			7.65	11.07				
<b>Edgar, Tyrone (GBR) (1982)</b>	time		3.01	3.97	4.88	6.67	8.43	10.42	10.42	1 / 2							
	reaction time	0.153		interval	0.96	0.91	1.79	1.76	1.99	# of strides	3.97	2.70					
	velocity		6.64	10.42	10.99	11.17	11.36	10.05	9.60			7.56	11.11				
<b>Magakwe, Simon (RSA) (1985)</b>	time		3.05	4.02	4.95	6.80	8.64	10.54	10.54	3 / 3							
	reaction time	0.155		interval	0.97	0.93	1.85	1.84	1.90	# of strides	4.02	2.78					
	velocity		6.56	10.31	10.75	10.81	10.87	10.53	9.49			7.46	10.79				
<b>Zakari, Aziz (GHA) (1976)</b>	time		3.02	3.99	4.92	6.77	8.59	10.57	10.57	7 / 4							
	reaction time	0.157		interval	0.97	0.93	1.85	1.82	1.98	# of strides	3.99	2.78					
	velocity		6.62	10.31	10.75	10.81	10.99	10.10	9.46			7.52	10.79				
<b>Heat 9</b>																	
	date	15-Aug-09	wind -0.5 m/s		Graubner (2009) - biomechanical analyses at the 12th IAAF world championships												
<b>Bolt, Usain (JAM) (1986)</b>			<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
	time		2.94	3.88	4.77	6.55	8.33	10.20	10.20	3 / 1							
	reaction time	0.144		interval	0.94	0.89	1.78	1.78	1.87	# of strides	3.88	2.67					
	velocity		6.80	10.64	11.24	11.24	11.24	10.70	9.80			7.73	11.24				

<b>Phiri, Gerald (ZAM) (1988)</b>	time	2.97	3.92	4.83	6.63	8.42	10.30	10.30	2 / 2									
reaction time	0.141	interval		0.95	0.91	1.80	1.79	1.88	# of strides	3.92	2.71							
		velocity	6.73	10.53	10.99	11.11	11.17	10.64	9.71	7.65	11.07							
<b>Ogho-Ogene, Egwero (NGR) (1988)</b>	time	3.00	3.95	4.85	6.66	8.45	10.30	10.30	5 / 3									
reaction time	0.166	interval		0.95	0.90	1.81	1.79	1.85	# of strides	3.95	2.71							
		velocity	6.67	10.53	11.11	11.05	11.17	10.81	9.71	7.59	11.07							
<b>Barnett, Brian (CAN) (1987)</b>	time	3.08	4.05	4.97	6.79	8.58	10.42	10.42	8 / 4									
reaction time	0.167	interval		0.97	0.92	1.82	1.79	1.84	# of strides	4.05	2.74							
		velocity	6.49	10.31	10.87	10.99	11.17	10.87	9.60	7.41	10.95							
<b>Moreira, Jose Carlos (BRA) (1983)</b>	time	3.04	4.01	4.94	6.79	8.62	10.55	10.55	4 / 5									
reaction time	0.176	interval		0.97	0.93	1.85	1.83	1.93	# of strides	4.01	2.78							
		velocity	6.58	10.31	10.75	10.81	10.93	10.36	9.48	7.48	10.79							

**Heat 8**

	date	15-Aug-09	wind	0.0 m/s											Official Time	Lane / Place	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	0-30m			30-60m	60-90m	
<b>Francis, Samuel (QAT) (1987)</b>	time			2.99	3.93	4.83	6.62	8.39	10.21	10.21	5 / 1								
reaction time	0.159	interval		0.94	0.90	1.79	1.77	1.82	# of strides	3.93	2.69								
		velocity	6.69	10.64	11.11	11.17	11.30	10.99	9.79	7.63	11.15								
<b>Callender, Emmanuel (TTO) (1984)</b>	time			2.98	3.93	4.84	6.63	8.40	10.24	10.24	6 / 2								
reaction time	0.151	interval		0.95	0.91	1.79	1.77	1.84	# of strides	3.93	2.70								
		velocity	6.71	10.53	10.99	11.17	11.30	10.87	9.77	7.63	11.11								
<b>Martina, Churandy (AHO) (1984)</b>	time			3.06	4.02	4.94	6.73	8.47	10.26	10.26	7 / 3								
reaction time	0.151	interval		0.96	0.92	1.79	1.74	1.79	# of strides	4.02	2.71								
		velocity	6.54	10.42	10.87	11.17	11.49	11.17	9.75	7.46	11.07								
<b>Grueso, Daniel (COL) (1985)</b>	time			3.05	4.01	4.92	6.71	8.46	10.27	10.27	8 / 4								
reaction time	0.155	interval		0.96	0.91	1.79	1.75	1.81	# of strides	4.01	2.70								
		velocity	6.56	10.42	10.99	11.17	11.43	11.05	9.74	7.48	11.11								
<b>Palacios, Rolando (HON) (1987)</b>	time			3.02	3.98	4.90	6.71	8.48	10.28	10.28	1 / 5								
reaction time	0.178	interval		0.96	0.92	1.81	1.77	1.80	# of strides	3.98	2.73								
		velocity	6.62	10.42	10.87	11.05	11.30	11.11	9.73	7.54	10.99								

**Heat 7**

	date	15-Aug-09	wind	0.4 m/s											Official Time	Lane / Place	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	0-30m			30-60m	60-90m	
<b>Hinds, Andrew (BAR) (1984)</b>	time			3.00	3.96	4.87	6.67	8.46	10.30	10.30	4 / 1								
reaction time	0.150	interval		0.96	0.91	1.80	1.79	1.84	# of strides	3.96	2.71								
		velocity	6.67	10.42	10.99	11.11	11.17	10.87	9.71	7.58	11.07								
<b>Williamson, Simeon (GBR) (1986)</b>	time			3.04	4.00	4.91	6.71	8.50	10.34	10.34	8 / 2								
reaction time	0.160	interval		0.96	0.91	1.80	1.79	1.84	# of strides	4.00	2.71								
		velocity	6.58	10.42	10.99	11.11	11.17	10.87	9.67	7.50	11.07								
<b>Pognon, Ronald (FRA) (1982)</b>	time			3.03	3.98	4.89	6.71	8.49	10.35	10.35	6 / 3								
reaction time	0.124	interval		0.95	0.91	1.82	1.78	1.86	# of strides	3.98	2.73								
		velocity	6.60	10.53	10.99	10.99	11.24	10.75	9.66	7.54	10.99								
<b>Keller, Martin (GER) (1986)</b>	time			3.03	4.00	4.92	6.74	8.52	10.35	10.35	7 / 4								
reaction time	0.143	interval		0.97	0.92	1.82	1.78	1.83	# of strides	4.00	2.74								
		velocity	6.60	10.31	10.87	10.99	11.24	10.93	9.66	7.50	10.95								
<b>Rodríguez, Ángel David (ESP) (1984)</b>	time			3.01	3.98	4.90	6.74	8.54	10.39	10.39	5 / 5								
reaction time	0.150	interval		0.97	0.92	1.84	1.80	1.85	# of strides	3.98	2.76								
		velocity	6.64	10.31	10.87	10.87	11.11	10.81	9.62	7.54	10.87								
<b>de Moraes, Basilio (BRA) (1982)</b>	time			3.04	4.02	4.96	6.82	8.66	10.54	10.54	1 / 6								
reaction time	0.139	interval		0.98	0.94	1.86	1.84	1.88	# of strides	4.02	2.80								
		velocity	6.58	10.20	10.64	10.75	10.87	10.64	9.49	7.46	10.71								

**Heat 6**

	date	15-Aug-09	wind	-0.8 m/s											Official Time	Lane / Place	Graubner (2009) - biomechanical analyses at the 12th IAAF world championships		
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	0-30m			30-60m	60-90m	
<b>Lemaitre, Christophe (FRA) (1990)</b>	time			3.05	4.00	4.90	6.68	8.44	10.23	10.23	6 / 1								
reaction time	0.177	interval		0.95	0.90	1.78	1.76	1.79	# of strides	4.00	2.68								
		velocity	6.56	10.53	11.11	11.24	11.36	11.17	9.78	7.50	11.19								
<b>Burns, Marc (TTO) (1983)</b>	time			2.99	3.94	4.85	6.66	8.45	10.39	10.39	3 / 2								
reaction time	0.163	interval		0.95	0.91	1.81	1.79	1.94	# of strides	3.94	2.72								
		velocity	6.69	10.53	10.99	11.05	11.17	10.31	9.62	7.61	11.03								
<b>Kuč, Dariusz (POL) (1986)</b>	time			3.00	3.97	4.89	6.72	8.56	10.46	10.46	4 / 3								
reaction time	0.138	interval		0.97	0.92	1.83	1.84	1.90	# of strides	3.97	2.75								

velocity	6.67	10.31	10.87	10.93	10.87	10.53	9.56	7.56	10.91
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<b>Moseley, Ryan (AUT) (1982)</b>	time	3.01	3.99	4.92	6.70	8.64	10.58	10.58	1 / 4
reaction time	0.141	interval	0.98	0.93	1.78	1.94	1.94	# of strides	3.99 2.71
	velocity	6.64	10.20	10.75	11.24	10.31	10.31	9.45	7.52 11.07

**Heat 5**

date	15-Aug-09	wind	-0.7 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>

<b>Bailey, Daniel (ANT) (1986)</b>	time	2.99	3.93	4.83	6.63	8.42	10.26	10.26	6 / 1
reaction time	0.164	interval	0.94	0.90	1.80	1.79	1.84	# of strides	3.93 2.70
	velocity	6.69	10.64	11.11	11.11	11.17	10.87	9.75	7.63 11.11

<b>Saidy Ndure, Jaysuma (NOR) (1988)</b>	time	3.01	3.96	4.87	6.67	8.46	10.35	10.35	8 / 2
reaction time	0.155	interval	0.95	0.91	1.80	1.79	1.89	# of strides	3.96 2.71
	velocity	6.64	10.53	10.99	11.11	11.17	10.58	9.66	7.58 11.07

<b>Griffith, Adrian (BAH) (1984)</b>	time	3.02	3.97	4.88	6.70	8.50	10.37	10.37	4 / 3
reaction time	0.167	interval	0.95	0.91	1.82	1.80	1.87	# of strides	3.97 2.73
	velocity	6.62	10.53	10.99	10.99	11.11	10.70	9.64	7.56 10.99

<b>Unger, Tobias (GER) (1979)</b>	time	2.97	3.93	4.85	6.69	8.52	10.42	10.42	5 / 4
reaction time	0.133	interval	0.96	0.92	1.84	1.83	1.90	# of strides	3.93 2.76
	velocity	6.73	10.42	10.87	10.87	10.93	10.53	9.60	7.63 10.87

<b>Durant, Adrian (ISV) (1984)</b>	time	3.01	3.97	4.89	6.73	8.56	10.46	10.46	2 / 5
reaction time	0.154	interval	0.96	0.92	1.84	1.83	1.90	# of strides	3.97 2.76
	velocity	6.64	10.42	10.87	10.87	10.93	10.53	9.56	7.56 10.87

**Heat 4**

date	15-Aug-09	wind	-0.1 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>

<b>Chambers, Dwain (GBR) (1978)</b>	time	2.99	3.93	4.83	6.60	8.35	10.18	10.18	6 / 1
reaction time	0.148	interval	0.94	0.90	1.77	1.75	1.83	# of strides	3.93 2.67
	velocity	6.69	10.64	11.11	11.30	11.43	10.93	9.82	7.63 11.24

<b>Fasuba, Oljusoji (NGR) (1984)</b>	time	3.01	3.96	4.87	6.67	8.45	10.31	10.31	1 / 2
reaction time	0.176	interval	0.95	0.91	1.80	1.78	1.86	# of strides	3.96 2.71
	velocity	6.64	10.53	10.99	11.11	11.24	10.75	9.70	7.58 11.07

<b>Edwards, Monzavous (Rae) (USA)</b>	time	3.11	4.08	5.00	6.78	8.53	10.32	10.32	5 / 3
reaction time	0.181	interval	0.97	0.92	1.78	1.75	1.79	# of strides	4.08 2.70
	velocity	6.43	10.31	10.87	11.24	11.43	11.17	9.69	7.35 11.11

<b>Meité, Ben Youssef (CIV) (1976)</b>	time	3.04	4.00	4.92	6.75	8.55	10.41	10.41	8 / 4
reaction time	0.163	interval	0.96	0.92	1.83	1.80	1.86	# of strides	4.00 2.75
	velocity	6.58	10.42	10.87	10.93	11.11	10.75	9.61	7.50 10.91

<b>Ambepitia, Shehan (SRI) (1990)</b>	time	3.05	4.02	4.94	6.79	8.63	10.53	10.53	3 / 5
reaction time	0.175	interval	0.97	0.92	1.85	1.84	1.90	# of strides	4.02 2.77
	velocity	6.56	10.31	10.87	10.81	10.87	10.53	9.50	7.46 10.83

**Heat 3**

date	15-Aug-09	wind	-0.4 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>

<b>Mbandjock, Martial (FRA) (1985)</b>	time	3.08	4.03	4.94	6.73	8.48	10.28	10.28	8 / 1
reaction time	0.156	interval	0.95	0.91	1.79	1.75	1.80	# of strides	4.03 2.70
	velocity	6.49	10.53	10.99	11.17	11.43	11.11	9.73	7.44 11.11

<b>Metu, Obinna (NGR) (1988)</b>	time	3.00	3.97	4.89	6.72	8.52	10.38	10.38	6 / 2
reaction time	0.124	interval	0.97	0.92	1.83	1.80	1.86	# of strides	3.97 2.75
	velocity	6.67	10.31	10.87	10.93	11.11	10.75	9.63	7.56 10.91

<b>Powell, Asafa (JAM) (1982)</b>	time	2.90	3.83	4.72	6.56	8.44	10.38	10.38	3 / 3
reaction time	0.120	interval	0.93	0.89	1.84	1.88	1.94	# of strides	3.83 2.73
	velocity	6.90	10.75	11.24	10.87	10.64	10.31	9.63	7.83 10.99

<b>Ouhadi, Aziz (MAR) (1984)</b>	time	3.02	3.99	4.92	6.75	8.56	10.40	10.40	4 / 4
reaction time	0.148	interval	0.97	0.93	1.83	1.81	1.84	# of strides	3.99 2.76
	velocity	6.62	10.31	10.75	10.93	11.05	10.87	9.62	7.52 10.87

<b>Atkins, Derrick (BAH) (1984)</b>	time	3.04	4.00	4.92	6.70	8.56	10.44	10.44	2 / 5
reaction time	0.139	interval	0.96	0.92	1.78	1.86	1.88	# of strides	4.00 2.70
	velocity	6.58	10.42	10.87	11.24	10.75	10.64	9.58	7.50 11.11

*Akirabun (2010) - changes in stride frequency and stride length of the world's top sprinter***Heat 2**

date	15-Aug-09	wind	-0.2 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>

<b>Patton, Darvis (USA) (1977)</b>	time	2.98	3.93	4.83	6.58	8.35	10.26	10.26	4 / 1
reaction time	0.160	interval	0.95	0.90	1.75	1.77	1.91	# of strides	3.93 2.65

*Graubner (2009)*

velocity	6.71	10.53	11.11	11.43	11.30	10.47	9.75	7.63	11.32
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<b>Di Gregorio, Emanuele (ITA) (1980)</b>	time	3.01	3.96	4.86	6.69	8.49	10.35	10.35	6 / 2	Graubner (2009)
reaction time	0.167	interval	0.95	0.90	1.83	1.80	1.86	1.86	# of strides	3.96 2.73
	velocity	6.64	10.53	11.11	10.93	11.11	10.75	9.66		7.58 10.99

<b>Eriguchi, Masashi (JPN) (1988)</b>	time	1.94	2.97	3.94	4.86	5.76	6.66	7.56	8.47	9.41	10.38	10.38	2 / 3	Akirabun (2010)
reaction time	0.131	interval	1.03	0.97	0.92	0.90	0.90	0.90	0.91	0.94	0.97	0.97	# of strides	3.94 2.72 2.75
	velocity	5.15	9.71	10.31	10.87	11.11	11.11	11.11	10.99	10.64	10.31	9.63		7.61 11.03 10.91

<b>Al-Harhi, Barakat (OMA) (1988)</b>	time	2.93	3.93	4.87	6.70	8.52	10.41	10.41	5 / 4	Graubner (2009)
reaction time	0.149	interval	1.00	0.94	1.83	1.82	1.89	1.89	# of strides	3.93 2.77
	velocity	6.83	10.00	10.64	10.93	10.99	10.58	9.61		7.63 10.83

<b>Schwab, Stefan (GER) (1987)</b>	time	2.96	3.92	4.84	6.70	8.56	10.50	10.50	8 / 5	Graubner (2009)
reaction time	0.156	interval	0.96	0.92	1.86	1.86	1.94	1.94	# of strides	3.92 2.78
	velocity	6.76	10.42	10.87	10.75	10.75	10.31	9.52		7.65 10.79

Akirabun (2010) - changes in stride frequency and stride length of the world's top sprinter

## Heat 1

date 15-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
<b>Frater, Michael (JAM) (1982)</b>	time	2.98	3.93	4.84	6.62	8.40	10.30	10.30	6 / 1	Graubner (2009)						
reaction time	0.144	interval	0.95	0.91	1.78	1.78	1.90	1.90	# of strides	3.93 2.69						
	velocity	6.71	10.53	10.99	11.24	11.24	10.53	9.71		7.63 11.15						

<b>Abrantes, Amaldo (POR) (1986)</b>	time	3.02	3.99	4.91	6.75	8.55	10.41	10.41	4 / 2	Graubner (2009)
reaction time	0.137	interval	0.97	0.92	1.84	1.80	1.86	1.86	# of strides	3.99 2.76
	velocity	6.62	10.31	10.87	10.87	11.11	10.75	9.61		7.52 10.87

<b>Kimura, Shintaro (JPN) (1987)</b>	time	1.93	2.97	3.92	4.85	5.77	6.69	7.61	8.55	9.49	10.47	10.47	2 / 3	Akirabun (2010)
reaction time	0.132	interval	1.04	0.95	0.93	0.92	0.92	0.92	0.94	0.94	0.98	0.98	# of strides	3.92 2.77 2.80
	velocity	5.18	9.62	10.53	10.75	10.87	10.87	10.87	10.64	10.64	10.20	9.55		7.65 10.83 10.71

<b>Collio, Simone (ITA) (1979)</b>	time	3.01	3.99	4.93	6.77	8.60	10.49	10.49	7 / 4	Graubner (2009)
reaction time	0.162	interval	0.98	0.94	1.84	1.83	1.89	1.89	# of strides	3.99 2.78
	velocity	6.64	10.20	10.64	10.87	10.93	10.58	9.53		7.52 10.79

<b>Osovnikar, Matic (SLO) (1980)</b>	time	3.04	4.03	4.97	6.82	8.64	10.52	10.52	5 / 5	Graubner (2009)
reaction time	0.175	interval	0.99	0.94	1.85	1.82	1.88	1.88	# of strides	4.03 2.79
	velocity	6.58	10.10	10.64	10.81	10.99	10.64	9.51		7.44 10.75

## 2009 Japanese National High School Championships (Nara, JPN)

## FINAL

date 30-Jul-09 wind 1.1 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
<b>Kuki, Takumi (JPN) (1992)</b>	time	1.92	2.98	3.95	4.88	5.80	6.71	7.62	8.55	9.48	10.44	10.44	6 / 1			
reaction time		interval	1.06	0.97	0.93	0.92	0.91	0.91	0.93	0.93	0.96	0.96	# of strides	3.95 2.76 2.77		
	velocity	5.21	9.43	10.31	10.75	10.87	10.99	10.99	10.75	10.75	10.42	9.58		7.59 10.87 10.83		

<b>Iizuka, Shota (JPN) (1991)</b>	time	3.97	4.92	5.85	6.75	7.68	8.59	10.46	10.46	4 / 2			# of strides	3.97 2.78
reaction time		interval	0.95	0.93	0.90	0.93	0.91	1.87	1.87			1.87		3.97 2.78
	velocity	7.56	10.53	10.75	11.11	10.75	10.99	10.70	9.56			9.56		7.56 10.79

<b>Onabuta, Ryo (JPN) (1991)</b>	time	4.00	4.92	5.85	6.77	7.70	8.63	10.56	10.56	5 / 3			# of strides	4.00 2.77
reaction time		interval	0.92	0.93	0.92	0.93	0.93	1.93	1.93			1.93		4.00 2.77
	velocity	7.50	10.87	10.75	10.87	10.75	10.75	10.36	9.47			9.47		7.50 10.83

## Semi-Final ???

date 30-Jul-09 wind 0.3 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
<b>Kuki, Takumi (JPN) (1992)</b>	time	1.93	3.00	3.97	4.91	5.83	6.75	7.67	8.60	9.54	10.50	10.50	6 / 1			
reaction time		interval	1.07	0.97	0.94	0.92	0.92	0.92	0.93	0.94	0.96	0.96	# of strides	3.97 2.78 2.79		
	velocity	5.18	9.35	10.31	10.64	10.87	10.87	10.87	10.75	10.64	10.42	9.52		7.56 10.79 10.75		

## Heat ???

date 30-Jul-09 wind 0.5 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
<b>Kuki, Takumi (JPN) (1992)</b>	time	1.95	3.02	4.01	4.96	5.90	6.83	7.77	8.72	9.69	10.69	10.69	6 / 1			
reaction time		interval	1.07	0.99	0.95	0.94	0.93	0.94	0.95	0.97	1.00	1.00	# of strides	4.01 2.82 2.86		
	velocity	5.13	9.35	10.10	10.53	10.64	10.75	10.64	10.53	10.31	10.00	9.35		7.48 10.64 10.49		

## 2009 Windsprint (Sundsvall, SWE)

## FINAL

date 25-Jul-09 wind 1.0 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
<b>Barnes, Winston (JAM) (1988)</b>	time			3.90			6.57		8.32		10.18	10.18	/ 1			
reaction time							2.67		1.75		1.86	1.86	# of strides	3.90 2.67		
	velocity			7.69			11.24		11.43		10.75	9.82		7.69 11.24		

<b>Hinds, Andrew (BAR) (1984)</b>	time	3.92				6.59		8.33		10.19	10.19	10.19	/ 2			
reaction time						2.67		1.74		1.86	1.86	1.86	# of strides	3.92 2.67		

	velocity	7.65	11.24	11.49	10.75	9.81		7.65	11.24
<b>Waugh, Ainsley (JAM) (1981)</b>	time	3.96	6.68	8.45	10.32	10.32	/ 3		
reaction time	interval		2.72	1.77	1.87		# of strides	3.96	2.72
	velocity	7.58	11.03	11.30	10.70	9.69		7.58	11.03
<b>Sturdivant, Andre (USA) (1981)</b>	time	3.96	6.71	8.52	10.41	10.41	/ 4		
reaction time	interval		2.75	1.81	1.89		# of strides	3.96	2.75
	velocity	7.58	10.91	11.05	10.58	9.61		7.58	10.91
<b>Lawson, Chris (USA) (1983)</b>	time	3.97	6.74	8.56	10.45	10.45	/ 5		
reaction time	interval		2.77	1.82	1.89		# of strides	3.97	2.77
	velocity	7.56	10.83	10.99	10.58	9.57		7.56	10.83
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time	4.00	6.75	8.55	10.46	10.46	/ 6		
reaction time	interval		2.75	1.80	1.91		# of strides	4.00	2.75
	velocity	7.50	10.91	11.11	10.47	9.56		7.50	10.91
<b>Mogstad, Christian Settemslid (NOR)</b>	time	4.05	6.97	8.83	10.76	10.76	/ 7		
reaction time	interval		2.92	1.86	1.93		# of strides	4.05	2.92
	velocity	7.41	10.27	10.75	10.36	9.29		7.41	10.27
<b>Morlu, Abraham (LBR) (1981)</b>	time	4.14			dnf		/ --		
reaction time	interval						# of strides	4.14	
	velocity	7.25						7.25	

**B FINAL**

	date	25-Jul-09	wind	1.1 m/s														
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>de Oliveira, Nil (BRA) (1986)</b>	time				4.04			6.81		8.65		10.55	10.55	/ 1				
reaction time	interval							2.77		1.84		1.90		# of strides	4.04	2.77		
	velocity				7.43			10.83		10.87		10.53	9.48		7.43	10.83		
<b>Zail, Emil (SWE) (1987)</b>	time				4.05			6.87		8.75		10.71	10.71	/ 2				
reaction time	interval							2.82		1.88		1.96		# of strides	4.05	2.82		
	velocity				7.41			10.64		10.64		10.20	9.34		7.41	10.64		
<b>Sebabi, Nasser (SWE) (1982)</b>	time				4.06			6.88		8.78		10.76	10.76	/ 3				
reaction time	interval							2.82		1.90		1.98		# of strides	4.06	2.82		
	velocity				7.39			10.64		10.53		10.10	9.29		7.39	10.64		
<b>Johansson, Fredrik (SWE) (1986)</b>	time				4.21			7.05		8.94		10.88	10.88	/ 4				
reaction time	interval							2.84		1.89		1.94		# of strides	4.21	2.84		
	velocity				7.13			10.56		10.58		10.31	9.19		7.13	10.56		
<b>Karlsson, Erik (SWE) (1987)</b>	time				4.13			7.01		8.91		10.89	10.89	/ 5				
reaction time	interval							2.88		1.90		1.98		# of strides	4.13	2.88		
	velocity				7.26			10.42		10.53		10.10	9.18		7.26	10.42		
<b>Nilsson, Niklas (SWE) (1987)</b>	time				4.15			7.01		8.92		10.91	10.91	/ 6				
reaction time	interval							2.86		1.91		1.99		# of strides	4.15	2.86		
	velocity				7.23			10.49		10.47		10.05	9.17		7.23	10.49		
<b>Hyde, Nicklas (DEN) (1986)</b>	time				4.23			7.09		8.97		10.92	10.92	/ 7				
reaction time	interval							2.86		1.88		1.95		# of strides	4.23	2.86		
	velocity				7.09			10.49		10.64		10.26	9.16		7.09	10.49		
<b>Rose, Odain (SWE) (1992)</b>	time				4.07			6.96		8.92		10.95	10.95	/ 8				
reaction time	interval							2.89		1.96		2.03		# of strides	4.07	2.89		
	velocity				7.37			10.38		10.20		9.85	9.13		7.37	10.38		

**C FINAL**

	date	25-Jul-09	wind	3.0 m/s														
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Lindberg, Erik (SWE) (1987)</b>	time				4.13			7.05		9.01		11.06	11.06	/ 1				
reaction time	interval							2.92		1.96		2.05		# of strides	4.13	2.92		
	velocity				7.26			10.27		10.20		9.76	9.04		7.26	10.27		
<b>Hilmersson, Jonas (SWE) (1988)</b>	time				4.14			7.07		9.02		11.09	11.09	/ 2				
reaction time	interval							2.93		1.95		2.07		# of strides	4.14	2.93		
	velocity				7.25			10.24		10.26		9.66	9.02		7.25	10.24		
<b>Waltersson, Jonathan (SWE) (1988)</b>	time				4.32			7.24		9.19		11.21	11.21	/ 3				
reaction time	interval							2.92		1.95		2.02		# of strides	4.32	2.92		
	velocity				6.94			10.27		10.26		9.90	8.92		6.94	10.27		
<b>Zetterberg, Johan (SWE) (1984)</b>	time				4.20			7.15		9.14		11.26	11.26	/ 4				
reaction time	interval							2.95		1.99		2.12		# of strides	4.20	2.95		
	velocity				7.14			10.17		10.05		9.43	8.88		7.14	10.17		

<b>Ohlström, Morgan (SWE) (1991)</b>	time		4.26		7.22		9.25		11.33	11.33	/ 5			
	reaction time	interval			2.96		2.03		2.08		# of strides	4.26	2.96	
		velocity		7.04		10.14		9.85		9.62	8.83		7.04	10.14
<b>Angell-Petersen, Børge (NOR) (19</b>	time		4.30		7.25		9.21		11.35	11.35	/ 6			
	reaction time	interval			2.95		1.96		2.14		# of strides	4.30	2.95	
		velocity		6.98		10.17		10.20		9.35	8.81		6.98	10.17
<b>Døhlle, Petter Gire (NOR) (1985)</b>	time		4.41		7.44		9.44		11.50	11.50	/ 7			
	reaction time	interval			3.03		2.00		2.06		# of strides	4.41	3.03	
		velocity		6.80		9.90		10.00		9.71	8.70		6.80	9.90
<b>Riis, Jacob (DEN) (1984)</b>	time		4.41		7.46		9.46		11.55	11.55	/ 8			
	reaction time	interval			3.05		2.00		2.09		# of strides	4.41	3.05	
		velocity		6.80		9.84		10.00		9.57	8.66		6.80	9.84

**D FINAL**

	date		wind 0.9 m/s										(2009) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>				
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Näsman, Erik (SWE) (1987)</b>	time				4.30			7.34		9.36		11.50	11.50	/ 1			
	reaction time	interval					3.04		2.02		2.14		# of strides	4.30	3.04		
		velocity			6.98		9.87		9.90		9.35	8.70		6.98	9.87		
<b>Åselius, Erik (SWE) (1989)</b>	time				4.39			7.44		9.45		11.56	11.56	/ 2			
	reaction time	interval					3.05		2.01		2.11		# of strides	4.39	3.05		
		velocity			6.83		9.84		9.95		9.48	8.65		6.83	9.84		
<b>Sakshaug, Ola (NOR) (1984)</b>	time				4.51			7.67		9.85		12.06	12.06	/ 3			
	reaction time	interval					3.16		2.18		2.21		# of strides	4.51	3.16		
		velocity			6.65		9.49		9.17		9.05	8.29		6.65	9.49		
<b>Barkhall, Matias (NOR) (1983)</b>	time				4.41			7.73		9.85		12.16	12.16	/ 4			
	reaction time	interval					3.32		2.12		2.31		# of strides	4.41	3.32		
		velocity			6.80		9.04		9.43		8.66	8.22		6.80	9.04		
<b>Solberg, Mats (NOR) (1993)</b>	time				4.51			7.80		9.97		12.27	12.27	/ 5			
	reaction time	interval					3.29		2.17		2.30		# of strides	4.51	3.29		
		velocity			6.65		9.12		9.22		8.70	8.15		6.65	9.12		
<b>Storsve, Ingar (NOR) (1987)</b>	time				4.52			7.82		10.07		12.49	12.49	/ 6			
	reaction time	interval					3.30		2.25		2.42		# of strides	4.52	3.30		
		velocity			6.64		9.09		8.89		8.26	8.01		6.64	9.09		

**2009 Japanese National Championships (Hiroshima, JPN)****Semi-Final 2**

	date		wind 2.4 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
<b>Nagasawa, Shun (JPN) (1985)</b>	time		1.92	2.99	3.95	4.88	5.77	6.67	7.57	8.48	9.40	10.34	10.34	5 / 3			
	reaction time	interval		1.07	0.96	0.93	0.89	0.90	0.90	0.91	0.92	0.94		# of strides	3.95	2.72	2.73
		velocity		5.21	9.35	10.42	10.75	11.24	11.11	11.11	10.99	10.87	10.64	9.67		7.59	11.03

**Semi-Final 1**

	date		wind 1.9 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
<b>Eriguchi, Masashi (JPN) (1988)</b>	time		1.91	2.94	3.86	4.74	5.61	6.48	7.35	8.24	9.14	10.07	10.07	3 / 1			
	reaction time	interval		1.03	0.92	0.88	0.87	0.87	0.87	0.89	0.90	0.93	PB	# of strides	3.86	2.62	2.66
		velocity		5.24	9.71	10.87	11.36	11.49	11.49	11.49	11.24	11.11	10.75	9.93		7.77	11.45
<b>Arao, Shogo (JPN) (1988)</b>	time		1.91	2.96	3.90	4.81	5.69	6.58	7.47	8.37	9.28	10.22	10.22	5 / 2			
	reaction time	interval		1.05	0.94	0.91	0.88	0.89	0.89	0.90	0.91	0.94	PB	# of strides	3.90	2.68	2.70
		velocity		5.24	9.52	10.64	10.99	11.36	11.24	11.24	11.11	10.99	10.64	9.78		7.69	11.19

Takikawa (????) - a study on scientific data usage model and development process of 100m performance

**Heat 5**

	date		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
<b>Kojima, Shigeyuki (JPN) (1979)</b>	time		1.95	3.01	3.97	4.88	5.77	6.66	7.56	8.46	9.37	10.31	10.31	3 / 2			
	reaction time	interval		1.06	0.96	0.91	0.89	0.89	0.90	0.90	0.91	0.94		# of strides	3.97	2.69	2.71
		velocity		5.13	9.43	10.42	10.99	11.24	11.24	11.11	11.11	10.99	10.64	9.70		7.56	11.15
<b>Kato, Kodai (JPN) (1986)</b>	time				4.02			6.77				10.46	10.46	4 / 5			
	reaction time	interval					2.75				3.69		# of strides	4.02	2.75		
		velocity			7.46		10.91				10.84	9.56		46.1	7.46	10.91	

**Heat 4**

	date		wind 1.4 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
<b>Kimura, Shintaro (JPN) (1987)</b>	time		1.89	2.93	3.87	4.78	5.68	6.58	7.47	8.37	9.28	10.21	10.21	6 / 1			
	reaction time	interval		1.04	0.94	0.91	0.90	0.90	0.89	0.90	0.91	0.93	PB	# of strides	3.87	2.71	2.70
		velocity		5.29	9.62	10.64	10.99	11.11	11.11	11.24	11.11	10.99	10.75	9.79		7.75	11.07

**Heat 1**

	date		wind 1.8 m/s										Akirabun (2010) - analysis of speed and stride on straight track events in the 2009 season			
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			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Tsukahara, Naoki (JPN) (1985)</b>	time		1.92	2.96	3.89	4.79	5.67	6.54	7.42	8.30	9.19	10.09	10.09	6 / 1			
	reaction time			1.04	0.93	0.90	0.88	0.87	0.88	0.88	0.89	0.90	PB	# of strides	3.89	2.65	2.65
	interval												9.91		7.71	11.32	11.32
	velocity		5.21	9.62	10.75	11.11	11.36	11.49	11.36	11.36	11.24	11.11					
<b>Nii, Yusuke (JPN) (1984)</b>	time		1.93	2.98	3.94	4.87	5.77	6.67	7.57	8.49	9.41	10.34	10.34	4 / 2			
	reaction time			1.05	0.96	0.93	0.90	0.90	0.90	0.92	0.92	0.93	PB	# of strides	3.94	2.73	2.74
	interval												9.67		7.61	10.99	10.95
	velocity		5.18	9.52	10.42	10.75	11.11	11.11	11.11	10.87	10.87	10.75					
<b>Decathlon - Heat 2</b>			date	25-Jun-09	wind	0.5 m/s	<i>Hisashi (2010) - the run performance analysis in the decathlon sprint events</i>										
<b>Tanaka, Hiromasa (JPN) (1981)</b>	time		1.95	3.05	4.06	5.03	5.99	6.96	7.93	8.93	9.95	11.00	11.00	3 / 2			
	reaction time			1.10	1.01	0.97	0.96	0.97	0.97	1.00	1.02	1.05		# of strides	4.06	2.90	2.99
	interval												9.09		7.39	10.34	10.03
	velocity		5.13	9.09	9.90	10.31	10.42	10.31	10.31	10.00	9.80	9.52					
<b>Ushiro, Keisuke (JPN) (1986)</b>	time		2.04	3.18	4.23	5.25	6.25	7.26	8.28	9.32	10.39	11.48	11.48	8 / 8			
	reaction time			1.14	1.05	1.02	1.00	1.01	1.02	1.04	1.07	1.09		# of strides	4.23	3.03	3.13
	interval												8.71		7.09	9.90	9.58
	velocity		4.90	8.77	9.52	9.80	10.00	9.90	9.80	9.62	9.35	9.17					
<b>Decathlon - Heat 1</b>			date	25-Jun-09	wind	-0.9 m/s	<i>Hisashi (2010) - the run performance analysis in the decathlon sprint events</i>										
<b>Ikeda, Daisuke (JPN) (1986)</b>	time		2.02	3.15	4.18	5.17	6.15	7.13	8.11	9.11	10.10	11.13	11.13	3 / 3			
	reaction time			1.13	1.03	0.99	0.98	0.98	0.98	1.00	0.99	1.03		# of strides	4.18	2.95	2.97
	interval												8.98		7.18	10.17	10.10
	velocity		4.95	8.85	9.71	10.10	10.20	10.20	10.20	10.00	10.10	9.71					
<b>2009 ISTAF (Berlin, GER)</b>																	
<b>FINAL</b>			date	14-Jun-09	wind	1.4 m/s	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
<b>Bailey, Daniel (ANT) (1986)</b>	time			2.96	3.89	4.78		6.51		8.26		10.03	10.03	/ 1			
	reaction time	0.204												# of strides	3.89	2.62	
	interval												9.97		7.71	11.45	
	velocity																
<b>Williamson, Simeon (GBR) (1986)</b>	time			2.95	3.90	4.80		6.55		8.33		10.13	10.13	/ 2			
	reaction time	0.187												# of strides	3.90	2.65	
	interval												9.87		7.69	11.32	
	velocity																
<b>Burns, Marc (TTO) (1983)</b>	time			2.95	3.89	4.79		6.53		8.32		10.15	10.15	/ 3			
	reaction time	0.184												# of strides	3.89	2.64	
	interval												9.85		7.71	11.36	
	velocity																
<b>Edwards, Monzavous (Rae) (USA)</b>	time			3.02	3.97	4.88		6.63		8.39		10.16	10.16	/ 4			
	reaction time	0.184												# of strides	3.97	2.66	
	interval												9.84		7.56	11.28	
	velocity																
<b>Francis, Samuel (QAT) (1987)</b>	time			3.01	3.95	4.85		6.60		8.38		10.19	10.19	/ 5			
	reaction time	0.187												# of strides	3.95	2.65	
	interval												9.81		7.59	11.32	
	velocity																
<b>Mbandjock, Martial (FRA) (1985)</b>	time			3.06	4.01	4.92		6.68		8.44		10.22	10.22	/ 6			
	reaction time	0.151												# of strides	4.01	2.67	
	interval												9.78		7.48	11.24	
	velocity																
<b>Pognon, Ronald (FRA) (1982)</b>	time			3.04	3.99	4.90		6.67		8.47		10.29	10.29	/ 7			
	reaction time	0.143												# of strides	3.99	2.68	
	interval												9.72		7.52	11.19	
	velocity																
<b>Schwab, Stefan (GER) (1987)</b>	time			2.95	3.90	4.81		6.61		8.46		10.35	10.35	/ 8			
	reaction time	0.177												# of strides	3.90	2.71	
	interval												9.66		7.69	11.07	
	velocity																
<b>Dasaolu, James (GBR) (1987)</b>	time			2.97	3.91	4.81		6.56		8.36		10.64	10.64	/ 9			
	reaction time	0.178												# of strides	3.91	2.65	
	interval												9.40		7.67	11.32	
	velocity																
<b>B FINAL</b>			date	14-Jun-09	wind	0.2 m/s	<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>										
<b>Devonish, Marlon (GBR) (1976)</b>	time			3.00	3.95	4.86		6.65		8.45		10.25	10.25	/ 1			
	reaction time	0.164												# of strides	3.95	2.70	
	interval												9.76		7.59	11.11	
	velocity																
<b>Aikines-Aryeetey, Harry (GBR) (19</b>	time			3.02	3.99	4.91		6.69		8.50		10.30	10.30	/ 2			
	reaction time	0.161												# of strides	3.99	2.70	
	interval												9.71		7.52	11.11	
	velocity																
<b>Edgar, Tyrone (GBR) (1982)</b>	time			2.98	3.94	4.85		6.64		8.48		10.33	10.33	/ 3			
	reaction time	0.136												# of strides	3.94	2.70	
	interval																
	velocity																



	velocity	6.71	10.42	10.99	11.17	10.87	10.81	9.68		7.61	11.11
<b>Kuć, Dariusz (POL) (1986)</b>	time	3.03	3.99	4.90	6.72	8.57	10.43	10.43	/ 4		
	reaction time	0.220	interval	0.96	0.91	1.82	1.85	1.86	# of strides	3.99	2.73
	velocity	6.60	10.42	10.99	10.99	10.81	10.75	9.59		7.52	10.99
<b>Oriala, Chinedu (NGR) (1981)</b>	time	3.01	3.99	4.92	6.74	8.59	10.44	10.44	/ 5		
	reaction time	0.190	interval	0.98	0.93	1.82	1.85	1.85	# of strides	3.99	2.75
	velocity	6.64	10.20	10.75	10.99	10.81	10.81	9.58		7.52	10.91
<b>Kosenkow, Alexander (GER) (1977)</b>	time	3.02	4.00	4.93	6.77	8.65	10.53	10.53	/ 6		
	reaction time	0.159	interval	0.98	0.93	1.84	1.88	1.88	# of strides	4.00	2.77
	velocity	6.62	10.20	10.75	10.87	10.64	10.64	9.50		7.50	10.83
<b>Pessonneaux, Pierre-Alexis (FRA)</b>	time	3.04	4.03	4.97	6.81	8.68	10.58	10.58	/ 7		
	reaction time	0.176	interval	0.99	0.94	1.84	1.87	1.90	# of strides	4.03	2.78
	velocity	6.58	10.10	10.64	10.87	10.70	10.53	9.45		7.44	10.79
<b>Keller, Martin (GER) (1986)</b>	time	3.12	4.11	5.05	6.88	8.75	10.64	10.64	/ 8		
	reaction time	0.197	interval	0.99	0.94	1.83	1.87	1.89	# of strides	4.11	2.77
	velocity	6.41	10.10	10.64	10.93	10.70	10.58	9.40		7.30	10.83
<b>Dreyer, Hannes (RSA) (1985)</b>	time	3.01	3.99	4.93	6.81	8.75	10.70	10.70	/ 9		
	reaction time	0.172	interval	0.98	0.94	1.88	1.94	1.95	# of strides	3.99	2.82
	velocity	6.64	10.20	10.64	10.64	10.31	10.26	9.35		7.52	10.64

**C FINAL**

	date	14-Jun-09	wind	1.5 m/s	Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Helmke, Till (GER) (1984)</b>	time		3.08	4.06	5.00	6.83	8.69	10.52	10.52	/ 1							
	reaction time	0.162	interval	0.98	0.94	1.83	1.86	1.83							# of strides	4.06	2.77
	velocity		6.49	10.20	10.64	10.93	10.75	10.93								7.39	10.83
<b>van Luijk, Patrick (NED) (1984)</b>	time		3.10	4.10	5.04	6.88	8.72	10.53	10.53	/ 2							
	reaction time	0.226	interval	1.00	0.94	1.84	1.84	1.81							# of strides	4.10	2.78
	velocity		6.45	10.00	10.64	10.87	10.87	11.05								7.32	10.79
<b>Broening, Marius (GER) (1983)</b>	time		3.06	4.04	4.97	6.79	8.66	10.56	10.56	/ 3							
	reaction time	0.205	interval	0.98	0.93	1.82	1.87	1.90							# of strides	4.04	2.75
	velocity		6.54	10.20	10.75	10.99	10.70	10.53								7.43	10.91
<b>Ernst, Sebastian (GER) (1984)</b>	time		3.04	4.03	4.97	6.81	8.71	10.59	10.59	/ 4							
	reaction time	0.177	interval	0.99	0.94	1.84	1.90	1.88							# of strides	4.03	2.78
	velocity		6.58	10.10	10.64	10.87	10.53	10.64								7.44	10.79
<b>Šulc, Rostislav (CZE) (1981)</b>	time		3.11	4.11	5.05	6.91	8.81	10.68	10.68	/ 5							
	reaction time	0.167	interval	1.00	0.94	1.86	1.90	1.87							# of strides	4.11	2.80
	velocity		6.43	10.00	10.64	10.75	10.53	10.70								7.30	10.71
<b>Nowak, Marcin (POL) (1977)</b>	time		3.04	4.02	4.96	6.82	8.74	10.69	10.69	/ 6							
	reaction time	0.193	interval	0.98	0.94	1.86	1.92	1.95							# of strides	4.02	2.80
	velocity		6.58	10.20	10.64	10.75	10.42	10.26								7.46	10.71
<b>Wieser, Stefan (GER) (1984)</b>	time		3.12	4.10	5.04	6.88	8.78	10.69	10.69	/ 7							
	reaction time	0.191	interval	0.98	0.94	1.84	1.90	1.91							# of strides	4.10	2.78
	velocity		6.41	10.20	10.64	10.87	10.53	10.47								7.32	10.79
<b>Meshoe, Tshegofatso (RSA) (1987)</b>	time		3.12	4.13	5.08	6.96	8.86	10.75	10.75	/ 8							
	reaction time	0.164	interval	1.01	0.95	1.88	1.90	1.89							# of strides	4.13	2.83
	velocity		6.41	9.90	10.53	10.64	10.53	10.58								7.26	10.60
<b>Spier, Virgil (NED) (1981)</b>	time		3.19	4.20	5.16	7.01	8.90	10.79	10.79	/ 9							
	reaction time	0.202	interval	1.01	0.96	1.85	1.89	1.89							# of strides	4.20	2.81
	velocity		6.27	9.90	10.42	10.81	10.58	10.58								7.14	10.68

**2009 Osaka Grand Prix (Osaka, JPN)****FINAL**

	date	09-May-09	wind	0.8 m/s	Takikawa (????) - a study on scientific data usage model and development process of 100m performance												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Tsukahara, Naoki (JPN) (1985)</b>	time				3.93			6.57				10.13	10.13	/ 1			
	reaction time							2.64				3.56	PB	# of strides	3.93	2.64	
	velocity				7.63			11.36				11.24	9.87		46.5	7.63	11.36

**2009 Mikio Oda Memorial (Hiroshima, JPN)****Heat 3**

	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	
<b>Saito, Hitoshi (JPN) (1986)</b>	time		1.98	3.05	4.02	4.94	5.85	6.74	7.63	8.52	9.42	10.35	10.35	/ 3				
	reaction time				1.07	0.97	0.92	0.91	0.89	0.89	0.89	0.93			# of strides	4.02	2.72	2.68

velocity 5.05 9.35 10.31 10.87 10.99 11.24 11.24 11.24 11.11 10.75 9.66 7.46 11.03 11.19

**Heat 2**

date 29-Apr-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
<b>Takahira, Shinji (JPN) (1984)</b>	1.96	3.02	3.97	4.88	5.78	6.66	7.55	8.45	9.35	10.28	10.28	1 / 1			
time															
reaction time		1.06	0.95	0.91	0.90	0.88	0.89	0.90	0.90	0.93		# of strides	3.97	2.69	2.69
velocity	5.10	9.43	10.53	10.99	11.11	11.36	11.24	11.11	11.11	10.75	9.73		7.56	11.15	11.15

**2009 Meeting Pas de Calais (Lievin, FRA)****FINAL**

date 10-Feb-09

Vazel (2009) - <http://futuranterieur.files.wordpress.com/2009/02/09-lievin-m605.pdf>

	10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
<b>Blanton, DaBryan (USA) (1984)</b>			3.90	4.88	5.71	6.61	6.61	2 / 1		
time										
reaction time	0.136				1.81	0.90		# of strides	3.90	2.71
interval										
velocity			7.69		11.05	11.11	9.08	29.2	7.69	11.07
<b>Emelieze, Peter (NGR) (1988)</b>			3.89		5.72	6.63	6.63	3 / 2		
time										
reaction time	0.104				1.83	0.91		# of strides	3.89	2.74
interval										
velocity			7.71		10.93	10.99	9.05	31.0	7.71	10.95
<b>Norman, Josh (USA) (1980)</b>			3.92		5.74	6.64	6.64	4 / 3		
time										
reaction time	0.127				1.82	0.90		# of strides	3.92	2.72
interval										
velocity			7.65		10.99	11.11	9.04	29.7	7.65	11.03
<b>Collio, Simone (ITA) (1979)</b>			3.95		5.76	6.64	6.64	6 / 4		
time										
reaction time	0.137				1.81	0.88		# of strides	3.95	2.69
interval										
velocity			7.59		11.05	11.36	9.04	30.0	7.59	11.15
<b>Omole, Demi (USA) (1985)</b>			3.93		5.76	6.66	6.66	5 / 5		
time										
reaction time	0.137				1.83	0.90		# of strides	3.93	2.73
interval										
velocity			7.63		10.93	11.11	9.01	30.2	7.63	10.99
<b>Edwards, Monzavous (Rae) (USA)</b>			3.99		5.78	6.67	6.67	1 / 6		
time										
reaction time	0.159				1.79	0.89		# of strides	3.99	2.68
interval										
velocity			7.52		11.17	11.24	9.00	29.5	7.52	11.19
<b>de Lima, Vicente (BRA) (1977)</b>			3.95		5.78	6.69	6.69	8 / 7		
time										
reaction time	0.161				1.83	0.91		# of strides	3.95	2.74
interval										
velocity			7.59		10.93	10.99	8.97	30.0	7.59	10.95
<b>Collins, Kim (SKN) (1976)</b>			3.96		5.79	6.70	6.70	7 / 8		
time										
reaction time	0.149				1.83	0.91		# of strides	3.96	2.74
interval										
velocity			7.58		10.93	10.99	8.96	31.0	7.58	10.95

**Heat 2**

date 10-Feb-09

Vazel (2009) - <http://futuranterieur.files.wordpress.com/2009/02/09-lievin-m605.pdf>

	10m	20m	30m	40m	50m	60m	Official Time	Lane / Place	0-30m	30-60m
<b>Norman, Josh (USA) (1980)</b>			3.90		5.72	6.63	6.63	7 / 1		
time										
reaction time	0.119				1.82	0.91		# of strides	3.90	2.73
interval										
velocity			7.69		10.99	10.99	9.05	29.5	7.69	10.99
<b>Collio, Simone (ITA) (1979)</b>			3.94		5.75	6.66	6.66	5 / 2		
time										
reaction time	0.142				1.81	0.91		# of strides	3.94	2.72
interval										
velocity			7.61		11.05	10.99	9.01	29.2	7.61	11.03
<b>Blanton, DaBryan (USA) (1984)</b>			3.91		5.76	6.67	6.67	6 / 3		
time										
reaction time	0.146				1.85	0.91		# of strides	3.91	2.76
interval										
velocity			7.67		10.81	10.99	9.00	29.0	7.67	10.87
<b>Edwards, Monzavous (Rae) (USA)</b>			4.01		5.81	6.68	6.68	1 / 4		
time										
reaction time	0.149				1.80	0.87		# of strides	4.01	2.67
interval										
velocity			7.48		11.11	11.49	8.98	29.5	7.48	11.24
<b>Phillips, Dwight (USA) (1977)</b>			3.97		5.80	6.72	6.72	2 / 5		
time										
reaction time	0.161				1.83	0.92		# of strides	3.97	2.75
interval										
velocity			7.56		10.93	10.87	8.93	28.7	7.56	10.91
<b>Pognon, Ronald (FRA) (1982)</b>			4.01		5.85	6.75	6.75	3 / 6		
time										
reaction time	0.142				1.84	0.90		# of strides	4.01	2.74
interval										
velocity			7.48		10.87	11.11	8.89	29.0	7.48	10.95
<b>Stevens, Kendall (USA) (1983)</b>			3.98		5.86	6.78	6.78	4 / 7		
time										
reaction time	0.159				1.88	0.92		# of strides	3.98	2.80
interval										
velocity			7.54		10.64	10.87	8.85	29.0	7.54	10.71
<b>van Tonder, Le Roux (RSA) (1988)</b>			4.04		5.93	6.88	6.88	8 / 8		
time										
reaction time	0.138				1.89	0.95		# of strides	4.04	2.84
interval										
velocity			7.43		10.58	10.53	8.72	29.7	7.43	10.56

## Heat 1

date 10-Feb-09

Vazel (2009) - <http://futuranterior.files.wordpress.com/2009/02/09-liev-in-m605.pdf>

			10m	20m	30m	40m	50m	60m		Official Time	Lane / Place	0-30m	30-60m
Omole, Demi (USA) (1985)	time				3.89		5.70	6.60		6.60	5 / 1		
	reaction time	0.135					1.81	0.90			# of strides	3.89	2.71
	velocity				7.71		11.05	11.11		9.09	30.2	7.71	11.07
Emeleze, Peter (NGR) (1988)	time				3.91		5.73	6.64		6.64	7 / 2		
	reaction time	0.136					1.82	0.91			# of strides	3.91	2.73
	velocity				7.67		10.99	10.99		9.04	30.7	7.67	10.99
Collins, Kim (SKN) (1976)	time				3.93		5.75	6.66		6.66	3 / 3		
	reaction time	0.144					1.82	0.91			# of strides	3.93	2.73
	velocity				7.63		10.99	10.99		9.01	31.0	7.63	10.99
de Lima, Vicente (BRA) (1977)	time				3.94		5.75	6.67		6.67	2 / 4		
	reaction time	0.168					1.81	0.92			# of strides	3.94	2.73
	velocity				7.61		11.05	10.87		9.00	30.0	7.61	10.99
Moreira, Jose Carlos (BRA) (1983)	time				3.96		5.79	6.70		6.70	6 / 5		
	reaction time	0.168					1.83	0.91			# of strides	3.96	2.74
	velocity				7.58		10.93	10.99		8.96	29.0	7.58	10.95
Yepishin, Andrey (RUS) (1981)	time				3.98		5.80	6.71		6.71	1 / 6		
	reaction time	0.174					1.82	0.91			# of strides	3.98	2.73
	velocity				7.54		10.99	10.99		8.94	30.7	7.54	10.99
Moore, Carlos (USA) (1984)	time				3.99		5.84	6.77		6.77	4 / 7		
	reaction time	0.133					1.85	0.93			# of strides	3.99	2.78
	velocity				7.52		10.81	10.75		8.86	30.7	7.52	10.79
Gomez, Mathieu (FRA) (1986)	time				4.07		5.98	6.93		6.93	8 / 8		
	reaction time	0.164					1.91	0.95			# of strides	4.07	2.86
	velocity				7.37		10.47	10.53		8.66	31.5	7.37	10.49

## 2008 Seiko Super Grand Prix (Kawasaki, JPN)

## FINAL

date 23-Sep-08

wind -0.4 m/s

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

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Asahara, Nobuharu (JPN) (1972)	time		1.97	3.02	3.98	4.89	5.80	6.69	7.59	8.50	9.42	10.37	10.37	/ 3			
	reaction time			1.05	0.96	0.91	0.91	0.89	0.90	0.91	0.92	0.95		# of strides	3.98	2.71	2.73
	velocity		5.08	9.52	10.42	10.99	10.99	11.24	11.11	10.99	10.87	10.53	9.64		7.54	11.07	10.99
Tsukahara, Naoki (JPN) (1985)	time		1.99	3.04	3.99	4.91	5.82	6.72	7.62	8.53	9.45	10.39	10.39	/ 4			
	reaction time			1.05	0.95	0.92	0.91	0.90	0.90	0.91	0.92	0.94		# of strides	3.99	2.73	2.73
	velocity		5.03	9.52	10.53	10.87	10.99	11.11	11.11	10.99	10.87	10.64	9.62		7.52	10.99	10.99
Suetsugu, Shingo (JPN) (1980)	time		1.98	3.04	4.00	4.93	5.83	6.73	7.63	8.55	9.47	10.43	10.43	/ 5			
	reaction time			1.06	0.96	0.93	0.90	0.90	0.90	0.92	0.92	0.96		# of strides	4.00	2.73	2.74
	velocity		5.05	9.43	10.42	10.75	11.11	11.11	11.11	10.87	10.87	10.42	9.59		7.50	10.99	10.95
Takahira, Shinji (JPN) (1984)	time		2.01	3.06	4.02	4.94	5.86	6.77	7.68	8.61	9.55	10.52	10.52	/ 7			
	reaction time			1.05	0.96	0.92	0.92	0.91	0.91	0.93	0.94	0.97		# of strides	4.02	2.75	2.78
	velocity		4.98	9.52	10.42	10.87	10.87	10.99	10.99	10.75	10.64	10.31	9.51		7.46	10.91	10.79

## 2008 Japanese National University Championships (Tokyo, JPN)

## Semi-Final 1

date 13-Sep-08

wind 0.9 m/s

Takikawa (????) - a study on scientific data usage model and development process of 100m performance

			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Saito, Hitoshi (JPN) (1986)	time				3.96			6.71				10.36	10.36	/ 2			
	reaction time							2.75				3.65		# of strides	3.96	2.75	
	velocity				7.58			10.91				10.96	9.65		45.7	7.58	10.91

## 2008 IAAF World Athletic Final (Stuttgart, GER)

## FINAL

date 13-Sep-08

wind 0.4 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
Powell, Asafa (JAM) (1982)	time			2.95	3.88	4.76	5.61	6.47	7.27	8.14		9.87	9.87	5 / 1			
	reaction time	0.153			0.93	0.88	0.85	0.86	0.80	0.87		1.73		# of strides	3.88	2.59	
	velocity				6.78	10.75	11.36	11.76	11.63	12.50	11.49		11.56	10.13		43.8	7.73
Carter, Nesta (JAM) (1985)	time			2.96	3.90	4.79	5.68	6.56	7.39	8.29		10.07	10.07	3 / 2			
	reaction time	0.154			0.94	0.89	0.89	0.88	0.83	0.90		1.78		# of strides	3.90	2.66	
	velocity				6.76	10.64	11.24	11.24	11.36	12.05	11.11		11.24	9.93		45.7	7.69
Frater, Michael (JAM) (1982)	time			2.99	3.93	4.83	5.71	6.59	7.42	8.31		10.10	10.10	4 / 3			
	reaction time	0.137			0.94	0.90	0.88	0.88	0.83	0.89		1.79		# of strides	3.93	2.66	
	velocity				6.69	10.64	11.11	11.36	11.36	12.05	11.24		11.17	9.90		50.2	7.63

<b>Collins, Kim (SKN) (1976)</b>	time	2.95	3.90	4.81	5.71	6.65	7.49	8.40	10.22	10.22	7 / 4			
reaction time	0.152	interval	0.95	0.91	0.90	0.94	0.84	0.91	1.82	1.82	# of strides	3.90	2.75	
		velocity	6.78	10.53	10.99	11.11	10.64	11.90	10.99	10.99	9.78	7.69	10.91	
<b>Burns, Marc (TTO) (1983)</b>	time	2.98	3.93	4.84	5.73	6.66	7.50	8.40	10.22	10.22	6 / 5			
reaction time	0.153	interval	0.95	0.91	0.89	0.93	0.84	0.90	1.82	1.82	# of strides	3.93	2.73	
		velocity	6.71	10.53	10.99	11.24	10.75	11.90	11.11	10.99	9.78	7.63	10.99	
<b>Rodgers, Michael (USA) (1985)</b>	time	3.04	3.99	4.90	5.79	6.72	7.55	8.44	10.27	10.27	8 / 6			
reaction time	0.182	interval	0.95	0.91	0.89	0.93	0.83	0.89	1.83	1.83	# of strides	3.99	2.73	
		velocity	6.58	10.53	10.99	11.24	10.75	12.05	11.24	10.93	9.74	7.52	10.99	
<b>Pognon, Ronald (FRA) (1982)</b>	time	3.03	3.99	4.90	5.78	6.71	7.54	8.44	10.27	10.27	1 / 7			
reaction time	0.121	interval	0.96	0.91	0.88	0.93	0.83	0.90	1.83	1.83	# of strides	3.99	2.72	
		velocity	6.60	10.42	10.99	11.36	10.75	12.05	11.11	10.93	9.74	7.52	11.03	
<b>Devonish, Marlon (GBR) (1976)</b>	time	3.01	3.98	4.90	5.80	6.75	7.60	8.51	10.37	10.37	2 / 8			
reaction time	0.140	interval	0.97	0.92	0.90	0.95	0.85	0.91	1.86	1.86	# of strides	3.98	2.77	
		velocity	6.64	10.31	10.87	11.11	10.53	11.76	10.99	10.75	9.64	7.54	10.83	

## 2008 Olympic Games (Beijing, CHN)

Vazel (2020) - <https://twitter.com/pjvazel/status/1295071299350470663?s=21>

## FINAL

date 16-Aug-08

wind 0.0 m/s

Locatelli (2009) - a closer look at 9.69

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Bolt, Usain (JAM) (1986)</b>	time	1.85	2.87	3.78	4.65	5.50	6.32	7.14	7.96	8.79	9.69	9.69	4 / 1				
reaction time	0.165	interval	1.02	0.91	0.87	0.85	0.82	0.82	0.82	0.83	0.90	WR	# of strides	3.78	2.54	2.47	
		velocity	5.41	9.80	10.99	11.49	11.76	12.20	12.20	12.20	12.05	11.11	10.32	41.0	7.94	11.81	12.15
<b>Thompson, Richard (TRI) (1985)</b>	time			3.78			6.40		8.13		9.89	9.89	5 / 2				
reaction time	0.133	interval				2.62		1.73		1.76	PB	# of strides	3.78	2.62			
		velocity			7.94		11.45		11.56		11.36	10.11	44.2	7.94	11.45		
<b>Dix, Walter (USA) (1986)</b>	time			3.85			6.46		8.18		9.91	9.91	6 / 3				
reaction time	0.133	interval				2.61		1.72		1.73	PB	# of strides	3.85	2.61			
		velocity			7.79		11.49		11.63		11.56	10.09	48.5	7.79	11.49		
<b>Martina, Churandy (AHO) (1984)</b>	time			3.92			6.53		8.23		9.93	9.93	9 / 4				
reaction time	0.169	interval				2.61		1.70		1.70	NR PB	# of strides	3.92	2.61			
		velocity			7.65		11.48		11.79		11.76	10.07	46.5	7.65	11.48		
<b>Powell, Asafa (JAM) (1982)</b>	time			3.81			6.42		8.17		9.95	9.95	7 / 5				
reaction time	0.134	interval				2.61		1.75		1.78		# of strides	3.81	2.61			
		velocity			7.87		11.49		11.43		11.24	10.05	44.2	7.87	11.49		
<b>Frater, Michael (JAM) (1982)</b>	time			3.85			6.48		8.21		9.97	9.97	2 / 6				
reaction time	0.147	interval				2.63		1.73		1.76	PB	# of strides	3.85	2.63			
		velocity			7.79		11.41		11.56		11.36	10.03	49.5	7.79	11.41		
<b>Burns, Marc (TRI) (1983)</b>	time			3.83			6.47		8.23		10.01	10.01	8 / 7				
reaction time	0.145	interval				2.64		1.76		1.78		# of strides	3.83	2.64			
		velocity			7.83		11.36		11.36		11.24	9.99	43.2	7.83	11.36		
<b>Patton, Darvis (USA) (1977)</b>	time			3.89			6.55		8.28		10.03	10.03	3 / 8				
reaction time	0.142	interval				2.66		1.73		1.75		# of strides	3.89	2.66			
		velocity			7.71		11.28		11.56		11.43	9.97	45.2	7.71	11.28		

## 2008 Japanese National High School Championships (Kumagaya, JPN)

## FINAL

date 30-Jul-08

wind -0.1 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
<b>Motoshio, Ryo (JPN) (1990)</b>	time	1.98	3.03	3.99	4.92	5.83	6.74	7.67	8.60	9.53	10.49	10.49	/ 1			
reaction time		interval	1.05	0.96	0.93	0.91	0.91	0.93	0.93	0.93	0.96		# of strides	3.99	2.75	2.79
		velocity	10.10	9.52	10.42	10.75	10.99	10.99	10.75	10.75	10.42	9.53		7.52	10.91	10.75
<b>Hayamizu, Isamu (JPN) (1990)</b>	time	2.01	3.11	4.10	5.04	5.96	6.89	7.80	8.73	9.67	10.62	10.62	/ 3			
reaction time		interval	1.10	0.99	0.94	0.92	0.93	0.91	0.93	0.94	0.95		# of strides	4.10	2.79	2.78
		velocity	9.95	9.09	10.10	10.64	10.87	10.75	10.99	10.75	10.64	10.53	9.42	7.32	10.75	10.79
<b>Miyazaki, Takashi (JPN) (1990)</b>	time	1.94	3.00	3.97	4.91	5.84	6.77	7.72	8.69	9.66	10.65	10.65	/ 4			
reaction time		interval	1.06	0.97	0.94	0.93	0.93	0.95	0.97	0.97	0.99		# of strides	3.97	2.80	2.89
		velocity	10.31	9.43	10.31	10.64	10.75	10.75	10.53	10.31	10.31	10.10	9.39	7.56	10.71	10.38
<b>Ishihara, Hiroyuki (JPN) (1990)</b>	time	2.00	3.07	4.05	4.98	5.91	6.85	7.80	8.77	9.73	10.73	10.73	?????			
reaction time		interval	1.07	0.98	0.93	0.93	0.94	0.95	0.97	0.96	1.00		# of strides	4.05	2.80	2.88
		velocity	10.00	9.35	10.20	10.75	10.75	10.64	10.53	10.31	10.42	10.00	9.32	7.41	10.71	10.42
<b>Nomura, Shogo (JPN) (1990)</b>	time	1.99	3.08	4.08	5.04	5.98	6.92	7.86	8.81	9.76	10.73	10.73	?????			
reaction time		interval	1.09	1.00	0.96	0.94	0.94	0.94	0.95	0.95	0.97		# of strides	4.08	2.84	2.84

velocity 10.05 9.17 10.00 10.42 10.64 10.64 10.64 10.53 10.53 10.31 9.32 7.35 10.56 10.56

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

		date	wind 1.6 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
Tärnhuvud, Stefan (SWE) (1985)	time				4.01			6.77		8.60		10.48	10.48	2 / 1			
	reaction time	interval						2.76		1.83		1.88		# of strides	4.01	2.76	
		velocity			7.48			10.87		10.93		10.64	9.54	47.7	7.48	10.87	
Seoud, Amr Ibrahim Mostafa (EGY)	time				4.03			6.78		8.61		10.48	10.48	6 / 2			
	reaction time	interval						2.75		1.83		1.87		# of strides	4.03	2.75	
		velocity			7.44			10.91		10.93		10.70	9.54	47.2	7.44	10.91	
Waugh, Ainsley (JAM) (1981)	time				4.01			6.79		8.60		10.50	10.50	8 / 3			
	reaction time	interval						2.78		1.81		1.90		# of strides	4.01	2.78	
		velocity			7.48			10.79		11.05		10.53	9.52	45.5	7.48	10.79	
Hongisto, Visa (FIN) (1987)	time				3.97			6.74		8.59		10.50	10.50	3 / 4			
	reaction time	interval						2.77		1.85		1.91		# of strides	3.97	2.77	
		velocity			7.56			10.83		10.81		10.47	9.52	45.2	7.56	10.83	
Johnson, Chris (USA) (1982)	time				3.99			6.77		8.61		10.55	10.55	4 / 5			
	reaction time	interval						2.78		1.84		1.94		# of strides	3.99	2.78	
		velocity			7.52			10.79		10.87		10.31	9.48	46.2	7.52	10.79	
Bangura, Gibrilla Pato (SLE) (1985)	time				4.05			6.83		8.67		10.59	10.59	7 / 6			
	reaction time	interval						2.78		1.84		1.92		# of strides	4.05	2.78	
		velocity			7.41			10.79		10.87		10.42	9.44	48.0	7.41	10.79	
Wellington, Andre (JAM) (1986)	time				3.97			6.78		8.69		10.61	10.61	5 / 7			
	reaction time	interval						2.81		1.91		1.92		# of strides	3.97	2.81	
		velocity			7.56			10.68		10.47		10.42	9.43	44.5	7.56	10.68	
Bossé, Béranger (CAF) (1985)	time				4.03			6.83		8.73		10.73	10.73	1 / 8			
	reaction time	interval						2.80		1.90		2.00		# of strides	4.03	2.80	
		velocity			7.44			10.71		10.53		10.00	9.32	48.5	7.44	10.71	

**2008 Nambu Chuhei Memorial (Hakodate, JPN)****FINAL**

		date	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	
Asahara, Nobuharu (JPN) (1972)	time		1.97	3.03	3.98	4.90	5.80	6.68	7.58	8.49	9.41	10.36	10.36	/ 1				
	reaction time	interval			1.06	0.95	0.92	0.90	0.88	0.90	0.91	0.92	0.95		# of strides	3.98	2.70	2.73
		velocity		5.08	9.43	10.53	10.87	11.11	11.36	11.11	10.99	10.87	10.53	9.65		7.54	11.11	10.99
Takahira, Shinji (JPN) (1984)	time		1.98	3.01	3.96	4.88	5.77	6.67	7.57	8.49	9.42	10.37	10.37	/ 2				
	reaction time	interval			1.03	0.95	0.92	0.89	0.90	0.90	0.92	0.93	0.95		# of strides	3.96	2.71	2.75
		velocity		5.05	9.71	10.53	10.87	11.24	11.11	11.11	10.87	10.75	10.53	9.64		7.58	11.07	10.91

**Heat 2**

		date	wind 1.9 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
Takahira, Shinji (JPN) (1984)	time		2.01	3.07	4.03	4.96	5.86	6.76	7.66	8.56	9.48	10.43	10.43	/ 1			
	reaction time	interval			1.06	0.96	0.93	0.90	0.90	0.90	0.92	0.95		# of strides	4.03	2.73	2.72
		velocity		4.98	9.43	10.42	10.75	11.11	11.11	11.11	11.11	10.87	10.53	9.59		7.44	10.99

**Heat 1**

		date	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	
Asahara, Nobuharu (JPN) (1972)	time		1.98	3.04	4.01	4.93	5.83	6.73	7.63	8.53	9.45	10.40	10.40	/ 1				
	reaction time	interval			1.06	0.97	0.92	0.90	0.90	0.90	0.92	0.95		# of strides	4.01	2.72	2.72	
		velocity		5.05	9.43	10.31	10.87	11.11	11.11	11.11	11.11	10.87	10.53	9.62		7.48	11.03	11.03
Saito, Hitoshi (JPN) (1986)	time		1.96	3.01	3.98	4.91	5.81	6.72	7.62	8.54	9.47	10.42	10.42	/ 2				
	reaction time	interval			1.05	0.97	0.93	0.90	0.91	0.90	0.92	0.93	0.95		# of strides	3.98	2.74	2.75
		velocity		5.10	9.52	10.31	10.75	11.11	10.99	11.11	10.87	10.75	10.53	9.60		7.54	10.95	10.91

**2008 German National Championships (Nurnberg, GER)****FINAL**

		date	wind -0.2 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
Unger, Tobias (GER) (1979)	time			2.95	3.89	4.79		6.56		8.35		10.20	10.20	/ 1			
	reaction time	interval						1.77		1.79		1.85		# of strides	3.89	2.67	
		velocity			6.78	10.64	11.11		11.30		11.17		10.81	9.80		7.71	11.24

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

		date	wind 4.1 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
Gay, Tyson (USA) (1982)	time		1.95	2.98	3.87	4.74	5.57	6.37	7.17	7.99	8.82	9.68	9.68	4 / 1			

reaction time	0.132	interval	1.03	0.89	0.87	0.83	0.80	0.80	0.82	0.83	0.86		# of strides	3.87	2.50	2.45	
		velocity	5.13	9.71	11.24	11.49	12.05	12.50	12.50	12.20	12.05	11.63	10.33	44.5	7.75	12.00	12.24
<b>Dix, Walter (USA) (1986)</b>		time	2.00	3.02	3.95	4.80	5.66	6.47	7.29	8.11	8.94	9.80	9.80	3 / 2			
reaction time	0.142	interval	1.02	0.93	0.85	0.86	0.81	0.82	0.82	0.83	0.86		# of strides	3.95	2.52	2.47	
		velocity	5.00	9.80	10.75	11.76	11.63	12.35	12.20	12.20	12.05	11.63	10.20	48.2	7.59	11.90	12.15
<b>Patton, Darvis (USA) (1977)</b>		time	1.97	2.98	3.89	4.77	5.60	6.47	7.29	8.11	8.93	9.84	9.84	5 / 3			
reaction time	0.169	interval	1.01	0.91	0.88	0.83	0.87	0.82	0.82	0.82	0.91		# of strides	3.89	2.58	2.46	
		velocity	5.08	9.90	10.99	11.36	12.05	11.49	12.20	12.20	12.20	10.99	10.16	44.7	7.71	11.63	12.20
<b>Padgett, Travis (USA) (1986)</b>		time	1.95	2.95	3.86	4.76	5.58	6.46	7.28	8.11	8.99	9.85	9.85	6 / 4			
reaction time	0.153	interval	1.00	0.91	0.90	0.82	0.88	0.82	0.83	0.88	0.86		# of strides	3.86	2.60	2.53	
		velocity	5.13	10.00	10.99	11.11	12.20	11.36	12.20	12.05	11.36	11.63	10.15	49.2	7.77	11.54	11.86
<b>Martin, Rodney (USA) (1982)</b>		time	1.97	3.00	3.95	4.82	5.66	6.53	7.37	8.21	9.07	9.97	9.97	7 / 5			
reaction time	0.189	interval	1.03	0.95	0.87	0.84	0.87	0.84	0.84	0.86	0.90		# of strides	3.95	2.58	2.54	
		velocity	5.08	9.71	10.53	11.49	11.90	11.49	11.90	11.90	11.63	11.11	10.03	46.0	7.59	11.63	11.81
<b>Dixon, Leroy (USA) (1983)</b>		time	1.93	2.99	3.88	4.77	5.62	6.47	7.34	8.17	9.07	9.99	9.99	2 / 6			
reaction time	0.157	interval	1.06	0.89	0.89	0.85	0.85	0.87	0.83	0.90	0.92		# of strides	3.88	2.59	2.60	
		velocity	5.18	9.43	11.24	11.24	11.76	11.76	11.49	12.05	11.11	10.87	10.01	44.5	7.73	11.58	11.54
<b>Rodgers, Michael (USA) (1985)</b>		time	1.96	2.97	3.90	4.78	5.67	6.51	7.39	8.25	9.13	10.01	10.01	1 / 7			
reaction time	0.166	interval	1.01	0.93	0.88	0.89	0.84	0.88	0.86	0.88	0.88		# of strides	3.90	2.61	2.62	
		velocity	5.10	9.90	10.75	11.36	11.24	11.90	11.36	11.63	11.36	11.36	9.99	44.2	7.69	11.49	11.45
<b>Carter, Xavier (USA) (1985)</b>		time	1.98	3.05	3.98	4.88	5.74	6.62	7.46	8.31	9.20	10.11	10.11	8 / 8			
reaction time	0.148	interval	1.07	0.93	0.90	0.86	0.88	0.84	0.85	0.89	0.91		# of strides	3.98	2.64	2.58	
		velocity	5.05	9.35	10.75	11.11	11.63	11.36	11.90	11.76	11.24	10.99	9.89	45.0	7.54	11.36	11.63

### Semi-Final 2

	date		wind 0.5 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	
<b>Patton, Darvis (USA) (1977)</b>		time	1.96	2.98	3.90	4.83	5.67	6.52	7.40	8.26	9.14	10.04	10.04	5 / 1				
reaction time		interval		1.02	0.92	0.93	0.84	0.85	0.88	0.86	0.88	0.90		# of strides	3.90	2.62	2.62	
		velocity	5.10	9.80	10.87	10.75	11.90	11.76	11.36	11.63	11.36	11.11	9.96	45.0	7.69	11.45	11.45	
<b>Padgett, Travis (USA) (1986)</b>		time	1.95	2.98	3.91	4.85	5.71	6.59	7.44	8.32	9.19	10.11	10.11	4 / 2				
reaction time		interval		1.03	0.93	0.94	0.86	0.88	0.85	0.88	0.87	0.92		# of strides	3.91	2.68	2.60	
		velocity	5.13	9.71	10.75	10.64	11.63	11.36	11.76	11.36	11.49	10.87	9.89	49.5	7.67	11.19	11.54	
<b>Dixon, Leroy (USA) (1983)</b>		time	1.97	3.00	3.93	4.84	5.72	6.59	7.47	8.33	9.25	10.17	10.17	2 / 3				
reaction time		interval		1.03	0.93	0.91	0.88	0.87	0.88	0.86	0.92	0.92		# of strides	3.93	2.66	2.66	
		velocity	5.08	9.71	10.75	10.99	11.36	11.49	11.36	11.63	10.87	10.87	9.83	45.0	7.63	11.28	11.28	
<b>Rodgers, Michael (USA) (1985)</b>		time	1.98	3.00	3.93	4.83	5.72	6.57	7.47	8.33	9.26	10.18	10.18	1 / 4				
reaction time		interval		1.02	0.93	0.90	0.89	0.85	0.90	0.86	0.93	0.92		# of strides	3.93	2.64	2.69	
		velocity	5.05	9.80	10.75	11.11	11.24	11.76	11.11	11.63	10.75	10.87	9.82	45.2	7.63	11.36	11.15	
<b>Spearmon, Wallace (USA) (1984)</b>		time	1.99	3.11	4.04	4.98	5.82	6.69	7.55	8.41	9.30	10.18	10.18	8 / 5				
reaction time		interval		1.12	0.93	0.94	0.84	0.87	0.86	0.86	0.89	0.88		# of strides	4.04	2.65	2.61	
		velocity	5.03	8.93	10.75	10.64	11.90	11.49	11.63	11.63	11.24	11.36	9.82	45.0	7.43	11.32	11.49	
<b>Capel, John (USA) (1978)</b>		time	1.96	3.02	3.95	4.87	5.72	6.65	7.48	8.36	9.30	10.21	10.21	7 / 6				
reaction time		interval		1.06	0.93	0.92	0.85	0.93	0.83	0.88	0.94	0.91		# of strides	3.95	2.70	2.65	
		velocity	5.10	9.43	10.75	10.87	11.76	10.75	12.05	11.36	10.64	10.99	9.79	47.0	7.59	11.11	11.32	
<b>Jelks, Mark (USA) (1984)</b>		time	1.95	2.98	3.92	4.85	5.72	6.64	7.50	8.36	9.29	10.24	10.24	6 / 7				
reaction time		interval		1.03	0.94	0.93	0.87	0.92	0.86	0.86	0.93	0.95		# of strides	3.92	2.72	2.65	
		velocity	5.13	9.71	10.64	10.75	11.49	10.87	11.63	11.63	10.75	10.53	9.77	45.0	7.65	11.03	11.32	
<b>Demps, Jeff (USA) (1990)</b>		time	1.94	2.98	3.94	4.86	5.75	6.62	7.54	8.44	9.37	10.34	10.34	3 / 8				
reaction time		interval		1.04	0.96	0.92	0.89	0.87	0.92	0.90	0.93	0.97		# of strides	3.94	2.68	2.75	
		velocity	5.15	9.62	10.42	10.87	11.24	11.49	10.87	11.11	10.75	10.31	9.67	49.2	7.61	11.19	10.91	

### Semi-Final 1

	date		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	
<b>Gay, Tyson (USA) (1982)</b>		time	2.04	3.04	3.92	4.81	5.61	6.45	7.29	8.12	8.97	9.85	9.85	4 / 1				
reaction time		interval		1.00	0.88	0.89	0.80	0.84	0.84	0.83	0.85	0.88		# of strides	3.92	2.53	2.52	
		velocity	4.90	10.00	11.36	11.24	12.50	11.90	11.90	12.05	11.76	11.36	10.15	44.0	7.65	11.86	11.90	
<b>Dix, Walter (USA) (1986)</b>		time	2.00	3.04	3.97	4.86	5.70	6.54	7.37	8.22	9.09	9.93	9.93	2 / 2				
reaction time		interval		1.04	0.93	0.89	0.84	0.84	0.83	0.85	0.87	0.84		# of strides	3.97	2.57	2.55	
		velocity	5.00	9.62	10.75	11.24	11.90	11.90	12.05	11.76	11.49	11.90	10.07	48.0	7.56	11.67	11.76	
<b>Martin, Rodney (USA) (1982)</b>		time	2.02	3.04	4.00	4.87	5.72	6.60	7.46	8.35	9.21	10.08	10.08	3 / 3				
reaction time		interval		1.02	0.96	0.87	0.85	0.88	0.86	0.89	0.86	0.87		# of strides	4.00	2.60	2.61	

	velocity	4.95	9.80	10.42	11.49	11.76	11.36	11.63	11.24	11.63	11.49	9.92	46.0	7.50	11.54	11.49	
<b>Carter, Xavier (USA) (1985)</b>	time	2.02	3.05	4.00	4.89	5.72	6.59	7.47	8.36	9.19	10.09	10.09	6 / 4				
reaction time	interval		1.03	0.95	0.89	0.83	0.87	0.88	0.89	0.83	0.90		# of strides	4.00	2.59	2.60	
	velocity	4.95	9.71	10.53	11.24	12.05	11.49	11.36	11.24	12.05	11.11	9.91	45.5	7.50	11.58	11.54	
<b>Williams, Ivory (USA) (1985)</b>	time	1.95	2.99	3.92	4.84	5.64	6.55	7.40	8.32	9.19	10.09	10.09	5 / 5				
reaction time	interval		1.04	0.93	0.92	0.80	0.91	0.85	0.92	0.87	0.90		# of strides	3.92	2.63	2.64	
	velocity	5.13	9.62	10.75	10.87	12.50	10.99	11.76	10.87	11.49	11.11	9.91	48.0	7.65	11.41	11.36	
<b>Edwards, Monzavous (Rae) (USA)</b>	time	1.97	3.01	3.95	4.84	5.71	6.59	7.46	8.34	9.22	10.16	10.16	1 / 6				
reaction time	interval		1.04	0.94	0.89	0.87	0.88	0.87	0.88	0.88	0.94		# of strides	3.95	2.64	2.63	
	velocity	5.08	9.62	10.64	11.24	11.49	11.36	11.49	11.36	11.36	10.64	9.84	45.7	7.59	11.36	11.41	
<b>Holiday, Trindon (USA) (1986)</b>	time	1.95	2.98	3.92	4.82	5.67	6.56	7.42	8.35	9.21	10.17	10.17	8 / 7				
reaction time	interval		1.03	0.94	0.90	0.85	0.89	0.86	0.93	0.86	0.96		# of strides	3.92	2.64	2.65	
	velocity	5.13	9.71	10.64	11.11	11.76	11.24	11.63	10.75	11.63	10.42	9.83	50.0	7.65	11.36	11.32	
<b>Hargrett, Chrisdon (USA) (1984)</b>	time	1.97	3.02	3.95	4.86	5.72	6.62	7.47	8.61	9.98	12.11	12.11	7 / 8				
reaction time	interval		1.05	0.93	0.91	0.86	0.90	0.85	1.14	1.37	2.13		# of strides	3.95	2.67	3.36	
	velocity	5.08	9.52	10.75	10.99	11.63	11.11	11.76	8.77	7.30	4.69	8.26		7.59	11.24	8.93	

## Quarter-Final 3

	date	28-Jun-08		wind	1.6 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		
<b>Patton, Darvis (USA) (1977)</b>	time	1.88	2.98	3.88	4.75	5.60	6.47	7.32	8.15	8.98	9.89	9.89	4 / 1					
reaction time	interval		1.10	0.90	0.87	0.85	0.87	0.85	0.83	0.83	0.91	PB	# of strides	3.88	2.59	2.51		
	velocity	5.32	9.09	11.11	11.49	11.76	11.49	11.76	12.05	12.05	10.99	10.11	45.0	7.73	11.58	11.95		
<b>Williams, Ivory (USA) (1985)</b>	time	1.86	2.87	3.85	4.72	5.59	6.44	7.31	8.15	9.00	9.94	9.94	3 / 2					
reaction time	interval		1.01	0.98	0.87	0.87	0.85	0.87	0.84	0.85	0.94	PB	# of strides	3.85	2.59	2.56		
	velocity	5.38	9.90	10.20	11.49	11.49	11.76	11.49	11.90	11.76	10.64	10.06	47.7	7.79	11.58	11.72		
<b>Carter, Xavier (USA) (1985)</b>	time	1.96	3.07	3.94	4.85	5.70	6.57	7.39	8.27	9.06	10.00	10.00	8 / 3					
reaction time	interval		1.11	0.87	0.91	0.85	0.87	0.82	0.88	0.79	0.94	PB	# of strides	3.94	2.63	2.49		
	velocity	5.10	9.01	11.49	10.99	11.76	11.49	12.20	11.36	12.66	10.64	10.00	45.5	7.61	11.41	12.05		
<b>Capel, John (USA) (1978)</b>	time	1.90	3.00	3.91	4.79	5.67	6.53	7.41	8.25	9.16	10.06	10.06	6 / 4					
reaction time	interval		1.10	0.91	0.88	0.88	0.86	0.88	0.84	0.91	0.90		# of strides	3.91	2.62	2.63		
	velocity	5.26	9.09	10.99	11.36	11.36	11.63	11.36	11.90	10.99	11.11	9.94	47.0	7.67	11.45	11.41		
<b>Edwards, Monzavous (Rae) (USA)</b>	time	1.87	2.98	3.91	4.80	5.67	6.55	7.42	8.25	9.16	10.06	10.06	5 / 5					
reaction time	interval		1.11	0.93	0.89	0.87	0.88	0.87	0.83	0.91	0.90		# of strides	3.91	2.64	2.61		
	velocity	5.35	9.01	10.75	11.24	11.49	11.36	11.49	12.05	10.99	11.11	9.94	45.5	7.67	11.36	11.49		
<b>Holiday, Trindon (USA) (1986)</b>	time	1.82	2.94	3.89	4.79	5.65	6.51	7.40	8.27	9.14	10.09	10.09	1 / 6					
reaction time	interval		1.12	0.95	0.90	0.86	0.86	0.89	0.87	0.87	0.95		# of strides	3.89	2.62	2.63		
	velocity	5.49	8.93	10.53	11.11	11.63	11.63	11.24	11.49	11.49	10.53	9.91	49.0	7.71	11.45	11.41		
<b>Crawford, Shawn (USA) (1978)</b>	time	1.88	2.97	3.90	4.82	5.67	6.57	7.42	8.29	9.16	10.09	10.09	2 / 7					
reaction time	interval		1.09	0.93	0.92	0.85	0.90	0.85	0.87	0.87	0.93		# of strides	3.90	2.67	2.59		
	velocity	5.32	9.17	10.75	10.87	11.76	11.11	11.76	11.49	11.49	10.75	9.91	45.7	7.69	11.24	11.58		
<b>Hall, Jeremy (USA) (1988)</b>	time	1.98	3.07	3.97	4.89	5.77	6.67	7.56	8.44	9.32	10.26	10.26	7 / 8					
reaction time	interval		1.09	0.90	0.92	0.88	0.90	0.89	0.88	0.88	0.94		# of strides	3.97	2.70	2.65		
	velocity	5.05	9.17	11.11	10.87	11.36	11.11	11.24	11.36	11.36	10.64	9.75	45.0	7.56	11.11	11.32		

## Quarter-Final 2

	date	28-Jun-08		wind	1.6 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		
<b>Padgett, Travis (USA) (1986)</b>	time	1.83	2.90	3.86	4.75	5.60	6.44	7.32	8.14	9.01	9.89	9.89	3 / 1					
reaction time	interval		1.07	0.96	0.89	0.85	0.84	0.88	0.82	0.87	0.88	PB	# of strides	3.86	2.58	2.57		
	velocity	5.46	9.35	10.42	11.24	11.76	11.90	11.36	12.20	11.49	11.36	10.11	48.5	7.77	11.63	11.67		
<b>Martin, Rodney (USA) (1982)</b>	time	1.85	2.92	3.94	4.82	5.67	6.52	7.37	8.21	9.07	9.95	9.95	5 / 2					
reaction time	interval		1.07	1.02	0.88	0.85	0.85	0.85	0.84	0.86	0.88	PB	# of strides	3.94	2.58	2.55		
	velocity	5.41	9.35	9.80	11.36	11.76	11.76	11.76	11.90	11.63	11.36	10.05	45.7	7.61	11.63	11.76		
<b>Jelks, Mark (USA) (1984)</b>	time	1.83	2.90	3.86	4.74	5.63	6.47	7.35	8.19	9.04	9.99	9.99	4 / 3					
reaction time	interval		1.07	0.96	0.88	0.89	0.84	0.88	0.84	0.85	0.95	PB	# of strides	3.86	2.61	2.57		
	velocity	5.46	9.35	10.42	11.36	11.24	11.90	11.36	11.90	11.76	10.53	10.01	45.7	7.77	11.49	11.67		
<b>Hargrett, Chrisdon (USA) (1984)</b>	time	1.87	2.98	3.90	4.82	5.71	6.59	7.45	8.31	9.19	10.12	10.12	8 / 4					
reaction time	interval		1.11	0.92	0.92	0.89	0.88	0.86	0.86	0.88	0.93	PB	# of strides	3.90	2.69	2.60		
	velocity	5.35	9.01	10.87	10.87	11.24	11.36	11.63	11.63	11.36	10.75	9.88	47.7	7.69	11.15	11.54		
<b>Stevens, Kendall (USA) (1983)</b>	time	1.87	2.93	3.92	4.82	5.70	6.56	7.42	8.27	9.19	10.12	10.12	6 / 5					
reaction time	interval		1.06	0.99	0.90	0.88	0.86	0.86	0.85	0.92	0.93	PB	# of strides	3.92	2.64	2.63		
	velocity	5.35	9.43	10.10	11.11	11.36	11.63	11.63	11.76	10.87	10.75	9.88	44.7	7.65	11.36	11.41		

<b>Scales, Mardy (USA) (1981)</b>	time	1.84	2.94	3.89	4.77	5.64	6.51	7.39	8.27	9.21	10.15	10.15	2 / 6				
	reaction time	interval		1.10	0.95	0.88	0.87	0.87	0.88	0.88	0.94	0.94		# of strides	3.89	2.62	2.70
	velocity	5.43	9.09	10.53	11.36	11.49	11.49	11.36	11.36	10.64	10.64	9.85		47.2	7.71	11.45	11.11
<b>Grimes, Mickey (USA) (1976)</b>	time	1.88	2.98	3.97	4.85	5.74	6.61	7.49	8.34	9.25	10.22	10.22	7 / 7				
	reaction time	interval		1.10	0.99	0.88	0.89	0.87	0.88	0.85	0.91	0.97		# of strides	3.97	2.64	2.64
	velocity	5.32	9.09	10.10	11.36	11.24	11.49	11.36	11.76	10.99	10.31	9.78		45.2	7.56	11.36	11.36
<b>Williams, Rubin (USA) (1983)</b>	time	1.86	2.98	3.95	4.84	5.71	6.59	7.49	8.38	9.29	10.26	10.26	1 / 8				
	reaction time	interval		1.12	0.97	0.89	0.87	0.88	0.90	0.89	0.91	0.97		# of strides	3.95	2.64	2.70
	velocity	5.38	8.93	10.31	11.24	11.49	11.36	11.11	11.24	10.99	10.31	9.75		46.0	7.59	11.36	11.11

## Quarter-Final 1

	date	28-Jun-08	wind	1.6 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
<b>Gay, Tyson (USA) (1982)</b>	time	1.90	2.92	3.85	4.74	5.56	6.39	7.22	8.05	8.89	9.77	9.77	2 / 1				
	reaction time	interval		1.02	0.93	0.89	0.82	0.83	0.83	0.83	0.84	0.88	AR	# of strides	3.85	2.54	2.50
	velocity	5.26	9.80	10.75	11.24	12.20	12.05	12.05	12.05	12.05	11.90	11.36	10.24		43.8	7.79	11.81
<b>Demps, Jeff (USA) (1990)</b>	time	1.78	2.95	3.88	4.80	5.66	6.51	7.35	8.25	9.12	10.01	10.01	4 / 2				
	reaction time	interval		1.17	0.93	0.92	0.86	0.85	0.84	0.90	0.87	0.89	=WJR	# of strides	3.88	2.63	2.61
	velocity	5.62	8.55	10.75	10.87	11.63	11.76	11.90	11.11	11.49	11.24	9.99		48.7	7.73	11.41	11.49
<b>Dix, Walter (USA) (1986)</b>	time	1.83	2.98	3.93	4.85	5.70	6.55	7.39	8.26	9.10	10.02	10.02	3 / 3				
	reaction time	interval		1.15	0.95	0.92	0.85	0.85	0.84	0.87	0.84	0.92		# of strides	3.93	2.62	2.55
	velocity	5.46	8.70	10.53	10.87	11.76	11.76	11.90	11.49	11.90	10.87	9.98		47.5	7.63	11.45	11.76
<b>Dixon, Leroy (USA) (1983)</b>	time	1.85	3.00	3.87	4.77	5.63	6.49	7.37	8.23	9.11	10.02	10.02	6 / 4				
	reaction time	interval		1.15	0.87	0.90	0.86	0.86	0.88	0.86	0.88	0.91	PB	# of strides	3.87	2.62	2.62
	velocity	5.41	8.70	11.49	11.11	11.63	11.63	11.36	11.63	11.36	10.99	9.98		44.7	7.75	11.45	11.45
<b>Rodgers, Michael (USA) (1985)</b>	time	1.88	2.98	3.92	4.82	5.67	6.51	7.37	8.27	9.14	10.07	10.07	1 / 5				
	reaction time	interval		1.10	0.94	0.90	0.85	0.84	0.86	0.90	0.87	0.93		# of strides	3.92	2.59	2.63
	velocity	5.32	9.09	10.64	11.11	11.76	11.90	11.63	11.11	11.49	10.75	9.93		44.5	7.65	11.58	11.41
<b>Spearmon, Wallace (USA) (1984)</b>	time	1.93	3.07	4.02	4.93	5.79	6.66	7.51	8.32	9.19	10.07	10.07	5 / 6				
	reaction time	interval		1.14	0.95	0.91	0.86	0.87	0.85	0.81	0.87	0.88		# of strides	4.02	2.64	2.53
	velocity	5.18	8.77	10.53	10.99	11.63	11.49	11.76	12.35	11.49	11.36	9.93		44.2	7.46	11.36	11.86
<b>Samuels, J-Mee (USA) (1987)</b>	time	1.85	3.00	3.92	4.80	5.67	6.56	7.44	8.29	9.19	10.09	10.09	7 / 7				
	reaction time	interval		1.15	0.92	0.88	0.87	0.89	0.88	0.85	0.90	0.90		# of strides	3.92	2.64	2.63
	velocity	5.41	8.70	10.87	11.36	11.49	11.24	11.36	11.76	11.11	11.11	9.91		49.2	7.65	11.36	11.41
<b>Williams, Teddy (USA) (1988)</b>	time	1.82	3.02	3.90	4.82	5.72	6.60	7.48	8.39	9.30	10.24	10.24	8 / 8				
	reaction time	interval		1.20	0.88	0.92	0.90	0.88	0.88	0.91	0.91	0.94		# of strides	3.90	2.70	2.70
	velocity	5.49	8.33	11.36	10.87	11.11	11.36	11.36	10.99	10.99	10.64	9.77		45.0	7.69	11.11	11.11

## Heat 4

	date	28-Jun-08	wind	0.8 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
<b>Martin, Rodney (USA) (1982)</b>	time	2.00	3.02	4.00	4.89	5.76	6.59	7.43	8.28	9.21	10.10	10.10	2 / 1				
	reaction time	interval		1.02	0.98	0.89	0.87	0.83	0.84	0.85	0.93	0.89	PB	# of strides	4.00	2.59	2.62
	velocity	5.00	9.80	10.20	11.24	11.49	12.05	11.90	11.76	11.76	10.75	11.24	9.90		7.50	11.58	11.45
<b>Edwards, Monzavous (Rae) (USA)</b>	time	1.96	3.02	3.94	4.84	5.71	6.59	7.42	8.31	9.21	10.13	10.13	7 / 2				
	reaction time	interval		1.06	0.92	0.90	0.87	0.88	0.83	0.89	0.90	0.92		# of strides	3.94	2.65	2.62
	velocity	5.10	9.43	10.87	11.11	11.49	11.36	12.05	11.24	11.11	10.87	9.87		7.61	11.32	11.45	
<b>Jelks, Mark (USA) (1984)</b>	time	1.94	2.98	3.89	4.80	5.69	6.52	7.41	8.31	9.21	10.13	10.13	8 / 3				
	reaction time	interval		1.04	0.91	0.91	0.89	0.83	0.89	0.90	0.90	0.92		# of strides	3.89	2.63	2.69
	velocity	5.15	9.62	10.99	10.99	11.24	12.05	11.24	11.11	11.11	10.87	9.87		7.71	11.41	11.15	
<b>Gay, Tyson (USA) (1982)</b>	time	1.96	2.99	3.88	4.79	5.63	6.47	7.31	8.20	9.14	10.14	10.14	4 / 4				
	reaction time	interval		1.03	0.89	0.91	0.84	0.84	0.84	0.89	0.94	1.00		# of strides	3.88	2.59	2.67
	velocity	5.10	9.71	11.24	10.99	11.90	11.90	11.90	11.24	10.64	10.00	9.86		7.73	11.58	11.24	
<b>Carter, Xavier (USA) (1985)</b>	time	2.00	3.05	3.99	4.86	5.72	6.60	7.46	8.31	9.19	10.14	10.14	6 / 5				
	reaction time	interval		1.05	0.94	0.87	0.86	0.88	0.86	0.85	0.88	0.95		# of strides	3.99	2.61	2.59
	velocity	5.00	9.52	10.64	11.49	11.63	11.36	11.63	11.76	11.36	10.53	9.86		7.52	11.49	11.58	
<b>Hargrett, Chrisdon (USA) (1984)</b>	time	1.98	3.00	3.97	4.84	5.69	6.60	7.46	8.32	9.25	10.19	10.19	5 / 6				
	reaction time	interval		1.02	0.97	0.87	0.85	0.91	0.86	0.86	0.93	0.94		# of strides	3.97	2.63	2.65
	velocity	5.05	9.80	10.31	11.49	11.76	10.99	11.63	11.63	10.75	10.64	9.81		7.56	11.41	11.32	
<b>Perry, Preston (USA) (1983)</b>	time	1.96	2.98	3.97	4.87	5.76	6.62	7.49	8.41	9.33	10.28	10.28	1 / 7				
	reaction time	interval		1.02	0.99	0.90	0.89	0.86	0.87	0.92	0.92	0.95		# of strides	3.97	2.65	2.71
	velocity	5.10	9.80	10.10	11.11	11.24	11.63	11.49	10.87	10.87	10.53	9.73		7.56	11.32	11.07	



<b>Moore, Carlos (USA) (1984)</b>	time	2.00	3.00	3.97	4.92	5.78	6.66	7.52	8.43	9.34	10.33	10.33	3 / 8			
reaction time	interval		1.00	0.97	0.95	0.86	0.88	0.86	0.91	0.91	0.99		# of strides	3.97	2.69	2.68
	velocity	5.00	10.00	10.31	10.53	11.63	11.36	11.63	10.99	10.99	10.10	9.68		7.56	11.15	11.19

## Heat 3

	date	28-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
<b>Patton, Darvis (USA) (1977)</b>	time	1.97	3.03	3.95	4.83	5.70	6.54	7.39	8.26	9.15	10.04	10.04	7 / 1						
reaction time	interval		1.06	0.92	0.88	0.87	0.84	0.85	0.87	0.89	0.89		# of strides	3.95	2.59	2.61			
	velocity	5.08	9.43	10.87	11.36	11.49	11.90	11.76	11.49	11.24	11.24	9.96		7.59	11.58	11.49			
<b>Spearmon, Wallace (USA) (1984)</b>	time	2.03	3.08	4.03	4.96	5.82	6.64	7.50	8.39	9.24	10.12	10.12	3 / 2						
reaction time	interval		1.05	0.95	0.93	0.86	0.82	0.86	0.89	0.85	0.88		# of strides	4.03	2.61	2.60			
	velocity	4.93	9.52	10.53	10.75	11.63	12.20	11.63	11.24	11.76	11.36	9.88		7.44	11.49	11.54			
<b>Capel, John (USA) (1978)</b>	time	1.98	3.03	3.95	4.87	5.74	6.59	7.47	8.39	9.26	10.16	10.16	4 / 3						
reaction time	interval		1.05	0.92	0.92	0.87	0.85	0.88	0.92	0.87	0.90		# of strides	3.95	2.64	2.67			
	velocity	5.05	9.52	10.87	10.87	11.49	11.76	11.36	10.87	11.49	11.11	9.84		7.59	11.36	11.24			
<b>Scales, Mardy (USA) (1981)</b>	time	1.86	2.90	3.83	4.75	5.62	6.48	7.36	8.29	9.22	10.16	10.16	6 / 4						
reaction time	interval		1.04	0.93	0.92	0.87	0.86	0.88	0.93	0.93	0.94		# of strides	3.83	2.65	2.74			
	velocity	5.38	9.62	10.75	10.87	11.49	11.63	11.36	10.75	10.75	10.64	9.84		7.83	11.32	10.95			
<b>Samuels, J-Mee (USA) (1987)</b>	time	1.90	3.00	3.90	4.83	5.68	6.56	7.44	8.36	9.24	10.17	10.17	5 / 5						
reaction time	interval		1.10	0.90	0.93	0.85	0.88	0.88	0.92	0.88	0.93		# of strides	3.90	2.66	2.68			
	velocity	5.26	9.09	11.11	10.75	11.76	11.36	11.36	10.87	11.36	10.75	9.83		7.69	11.28	11.19			
<b>Williams, Teddy (USA) (1988)</b>	time	1.97	2.97	3.92	4.80	5.70	6.64	7.54	8.42	9.34	10.27	10.27	8 / 6						
reaction time	interval		1.00	0.95	0.88	0.90	0.94	0.90	0.88	0.92	0.93		# of strides	3.92	2.72	2.70			
	velocity	5.08	10.00	10.53	11.36	11.11	10.64	11.11	11.36	10.87	10.75	9.74		7.65	11.03	11.11			
<b>Heard, Jason (USA) (1983)</b>	time	1.96	3.03	4.00	4.88	5.81	6.67	7.57	8.46	9.38	10.32	10.32	1 / 7						
reaction time	interval		1.07	0.97	0.88	0.93	0.86	0.90	0.89	0.92	0.94		# of strides	4.00	2.67	2.71			
	velocity	5.10	9.35	10.31	11.36	10.75	11.63	11.11	11.24	10.87	10.64	9.69		7.50	11.24	11.07			

## Heat 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
<b>Padgett, Travis (USA) (1986)</b>	time	1.91	2.98	3.88	4.80	5.65	6.51	7.40	8.26	9.14	10.06	10.06	7 / 1						
reaction time	interval		1.07	0.90	0.92	0.85	0.86	0.89	0.86	0.88	0.92		# of strides	3.88	2.63	2.63			
	velocity	5.24	9.35	11.11	10.87	11.76	11.63	11.24	11.63	11.36	10.87	9.94		7.73	11.41	11.41			
<b>Demps, Jeff (USA) (1990)</b>	time	1.95	3.02	3.98	4.87	5.76	6.62	7.45	8.34	9.24	10.12	10.12	5 / 2						
reaction time	interval		1.07	0.96	0.89	0.89	0.86	0.83	0.89	0.90	0.88		# of strides	3.98	2.64	2.62			
	velocity	5.13	9.35	10.42	11.24	11.24	11.63	12.05	11.24	11.11	11.36	9.88		7.54	11.36	11.45			
<b>Dixon, Leroy (USA) (1983)</b>	time	1.91	2.95	3.87	4.82	5.65	6.52	7.37	8.27	9.20	10.16	10.16	2 / 3						
reaction time	interval		1.04	0.92	0.95	0.83	0.87	0.85	0.90	0.93	0.96		# of strides	3.87	2.65	2.68			
	velocity	5.24	9.62	10.87	10.53	12.05	11.49	11.76	11.11	10.75	10.42	9.84		7.75	11.32	11.19			
<b>Williams, Rubin (USA) (1983)</b>	time	1.95	2.98	3.92	4.78	5.68	6.57	7.42	8.34	9.26	10.18	10.18	6 / 4						
reaction time	interval		1.03	0.94	0.86	0.90	0.89	0.85	0.92	0.92	0.92		# of strides	3.92	2.65	2.69			
	velocity	5.13	9.71	10.64	11.63	11.11	11.24	11.76	10.87	10.87	10.87	9.82		7.65	11.32	11.15			
<b>Grimes, Mickey (USA) (1976)</b>	time	1.94	3.00	3.95	4.83	5.72	6.62	7.52	8.42	9.29	10.26	10.26	8 / 5						
reaction time	interval		1.06	0.95	0.88	0.89	0.90	0.90	0.90	0.87	0.97		# of strides	3.95	2.67	2.67			
	velocity	5.15	9.43	10.53	11.36	11.24	11.11	11.11	11.11	11.49	10.31	9.75		7.59	11.24	11.24			
<b>Hall, Jeremy (USA) (1988)</b>	time	1.98	2.97	3.97	4.87	5.75	6.64	7.47	8.41	9.32	10.26	10.26	4 / 6						
reaction time	interval		0.99	1.00	0.90	0.88	0.89	0.83	0.94	0.91	0.94		# of strides	3.97	2.67	2.68			
	velocity	5.05	10.10	10.00	11.11	11.36	11.24	12.05	10.64	10.99	10.64	9.75		7.56	11.24	11.19			
<b>Wells, Evander (USA) (1987)</b>	time	1.93	2.98	3.95	4.87	5.75	6.64	7.47	8.42	9.32	10.28	10.28	3 / 7						
reaction time	interval		1.05	0.97	0.92	0.88	0.89	0.83	0.95	0.90	0.96		# of strides	3.95	2.69	2.68			
	velocity	5.18	9.52	10.31	10.87	11.36	11.24	12.05	10.53	11.11	10.42	9.73		7.59	11.15	11.19			

## Heat 1

	date	28-Jun-08	wind	1.7 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
<b>Dix, Walter (USA) (1986)</b>	time	1.95	3.02	3.89	4.79	5.66	6.51	7.34	8.17	9.06	9.96	9.96	2 / 1						
reaction time	interval		1.07	0.87	0.90	0.87	0.85	0.83	0.83	0.89	0.90		# of strides	3.89	2.62	2.55			
	velocity	5.13	9.35	11.49	11.11	11.49	11.76	12.05	12.05	11.24	11.11	10.04		7.71	11.45	11.76			
<b>Williams, Ivory (USA) (1985)</b>	time	1.95	3.07	3.90	4.80	5.69	6.54	7.40	8.31	9.16	10.07	10.07	6 / 2						
reaction time	interval		1.12	0.83	0.90	0.89	0.85	0.86	0.91	0.85	0.91	=PB	# of strides	3.90	2.64	2.62			
	velocity	5.13	8.93	12.05	11.11	11.24	11.76	11.63	10.99	11.76	10.99	9.93		7.69	11.36	11.45			
<b>Stevens, Kendall (USA) (1983)</b>	time	1.93	2.98	3.90	4.80	5.67	6.57	7.47	8.34	9.27	10.13	10.13	8 / 3						
reaction time	interval		1.05	0.92	0.90	0.87	0.90	0.90	0.87	0.93	0.86	PB	# of strides	3.90	2.67	2.70			

	velocity	5.18	9.52	10.87	11.11	11.49	11.11	11.11	11.49	10.75	11.63	9.87		7.69	11.24	11.11
<b>Holiday, Trindon (USA) (1986)</b>	time	1.91	2.98	3.88	4.81	5.67	6.52	7.39	8.30	9.21	10.14	10.14	1 / 4			
	reaction time		1.07	0.90	0.93	0.86	0.85	0.87	0.91	0.91	0.93		# of strides	3.88	2.64	2.69
	velocity	5.24	9.35	11.11	10.75	11.63	11.76	11.49	10.99	10.99	10.75	9.86		7.73	11.36	11.15
<b>Rodgers, Michael (USA) (1985)</b>	time	2.01	3.00	3.94	4.85	5.70	6.59	7.45	8.33	9.27	10.15	10.15	5 / 5			
	reaction time		0.99	0.94	0.91	0.85	0.89	0.86	0.88	0.94	0.88		# of strides	3.94	2.65	2.68
	velocity	4.98	10.10	10.64	10.99	11.76	11.24	11.63	11.36	10.64	11.36	9.85		7.61	11.32	11.19
<b>Crawford, Shawn (USA) (1978)</b>	time	2.03	2.95	3.98	4.88	5.77	6.63	7.49	8.36	9.27	10.17	10.17	7 / 6			
	reaction time		0.92	1.03	0.90	0.89	0.86	0.86	0.87	0.91	0.90		# of strides	3.98	2.65	2.64
	velocity	4.93	10.87	9.71	11.11	11.24	11.63	11.63	11.49	10.99	11.11	9.83		7.54	11.32	11.36
<b>Laynes, Jeff (USA) (1970)</b>	time	1.96	3.05	3.94	4.88	5.77	6.69	7.54	8.45	9.43	10.37	10.37	4 / 7			
	reaction time		1.09	0.89	0.94	0.89	0.92	0.85	0.91	0.98	0.94		# of strides	3.94	2.75	2.74
	velocity	5.10	9.17	11.24	10.64	11.24	10.87	11.76	10.99	10.20	10.64	9.64		7.61	10.91	10.95
<b>Omole, Demi (USA) (1985)</b>	time	1.98	3.04	3.95	4.93	5.82	6.72	7.60	8.52	9.52	10.49	10.49	3 / 8			
	reaction time		1.06	0.91	0.98	0.89	0.90	0.88	0.92	1.00	0.97		# of strides	3.95	2.77	2.80
	velocity	5.05	9.43	10.99	10.20	11.24	11.11	11.36	10.87	10.00	10.31	9.53		7.59	10.83	10.71

### 2008 Japanese National Championships (Kawasaki, JPN)

#### FINAL

date 29-Jun-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
<b>Tsukahara, Naoki (JPN) (1985)</b>	time	1.95	3.00	3.96	4.88	5.78	6.68	7.57	8.48	9.39	10.31	10.31	1 / 1			
	reaction time		1.05	0.96	0.92	0.90	0.90	0.89	0.91	0.91	0.92		# of strides	3.96	2.72	2.71
	velocity	5.13	9.52	10.42	10.87	11.11	11.11	11.24	10.99	10.99	10.87	9.70		7.58	11.03	11.07
<b>Asahara, Nobuharu (JPN) (1972)</b>	time	1.93	2.98	3.94	4.85	5.76	6.65	7.56	8.47	9.41	10.37	10.37	1 / 2			
	reaction time		1.05	0.96	0.91	0.91	0.89	0.91	0.91	0.94	0.96		# of strides	3.94	2.71	2.76
	velocity	5.18	9.52	10.42	10.99	10.99	11.24	10.99	10.99	10.64	10.42	9.64		7.61	11.07	10.87
<b>Kimura, Shintaro (JPN) (1987)</b>	time	1.92	2.96	3.92	4.85	5.77	6.68	7.61	8.54	9.50	10.48	10.48	1 / 3			
	reaction time		1.04	0.96	0.93	0.92	0.91	0.93	0.93	0.96	0.98		# of strides	3.92	2.76	2.82
	velocity	5.21	9.62	10.42	10.75	10.87	10.99	10.75	10.75	10.42	10.20	9.54		7.65	10.87	10.64
<b>Kojima, Shigeyuki (JPN) (1979)</b>	time	1.94	3.01	3.98	4.91	5.83	6.74	7.66	8.60	9.55	10.52	10.52	1 / 4			
	reaction time		1.07	0.97	0.93	0.92	0.91	0.92	0.94	0.95	0.97		# of strides	3.98	2.76	2.81
	velocity	5.15	9.35	10.31	10.75	10.87	10.99	10.87	10.64	10.53	10.31	9.51		7.54	10.87	10.68

### 2008 USATF National Junior Championships (Columbus, OH)

#### FINAL

date 20-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
<b>Wilks, Terrell (USA) (1989)</b>	time	1.97	3.02	3.98	4.87	5.75	6.60	7.49	8.37	9.28	10.19	10.19	7 / 1			
	reaction time		1.05	0.96	0.89	0.88	0.85	0.89	0.88	0.91	0.91	PB	# of strides	3.98	2.62	2.68
	velocity	5.08	9.52	10.42	11.24	11.36	11.76	11.24	11.36	10.99	10.99	9.81		7.54	11.45	11.19
<b>Sales, Antonio (USA) (1989)</b>	time	2.04	3.09	4.04	4.98	5.87	6.74	7.63	8.50	9.41	10.33	10.33	4 / 2			
	reaction time		1.05	0.95	0.94	0.89	0.87	0.89	0.87	0.91	0.92	PB	# of strides	4.04	2.70	2.67
	velocity	4.90	9.52	10.53	10.64	11.24	11.49	11.24	11.49	10.99	10.87	9.68		7.43	11.11	11.24
<b>Bailey, Ryan (USA) (1989)</b>	time	2.00	3.09	4.05	4.95	5.85	6.74	7.62	8.54	9.43	10.34	10.34	6 / 3			
	reaction time		1.09	0.96	0.90	0.90	0.89	0.88	0.92	0.89	0.91		# of strides	4.05	2.69	2.69
	velocity	5.00	9.17	10.42	11.11	11.11	11.24	11.36	10.87	11.24	10.99	9.67		7.41	11.15	11.15
<b>Sales, Dante (USA) (1990)</b>	time	1.93	3.00	3.98	4.90	5.79	6.69	7.61	8.51	9.48	10.44	10.44	3 / 4			
	reaction time		1.07	0.98	0.92	0.89	0.90	0.92	0.90	0.97	0.96	PB	# of strides	3.98	2.71	2.79
	velocity	5.18	9.35	10.20	10.87	11.24	11.11	10.87	11.11	10.31	10.42	9.58		7.54	11.07	10.75
<b>Murdock, Justin (USA) (1989)</b>	time	1.97	3.05	3.97	4.91	5.80	6.70	7.62	8.54	9.50	10.45	10.45	2 / 5			
	reaction time		1.08	0.92	0.94	0.89	0.90	0.92	0.92	0.96	0.95	PB	# of strides	3.97	2.73	2.80
	velocity	5.08	9.26	10.87	10.64	11.24	11.11	10.87	10.87	10.42	10.53	9.57		7.56	10.99	10.71
<b>Mitchell, Curtis (USA) (1989)</b>	time	2.04	3.10	4.13	5.05	5.93	6.84	7.75	8.65	9.56	10.54	10.54	8 / 6			
	reaction time		1.06	1.03	0.92	0.88	0.91	0.91	0.90	0.91	0.98		# of strides	4.13	2.71	2.72
	velocity	4.90	9.43	9.71	10.87	11.36	10.99	10.99	11.11	10.99	10.20	9.49		7.26	11.07	11.03
<b>Smith, Devon (USA) (1991)</b>	time	1.97	3.05	4.02	4.95	5.87	6.80	7.74	8.71	9.69	10.68	10.68	1 / 7			
	reaction time		1.08	0.97	0.93	0.92	0.93	0.94	0.97	0.98	0.99		# of strides	4.02	2.78	2.89
	velocity	5.08	9.26	10.31	10.75	10.87	10.75	10.64	10.31	10.20	10.10	9.36		7.46	10.79	10.38

### 2008 Reebok (New York, NY)

#### FINAL

date 31-May-08 wind 1.7 m/s Saunders (2011) - www.athleticscoaching.ca/member.aspx?viewblog&id=15

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bolt, Usain (JAM) (1986)</b>	time	1.87	2.92	3.82	4.67	5.50	6.32	7.15	8.00	8.85	9.72	9.72	4 / 1			

reaction time	0.157	interval	1.05	0.90	0.85	0.83	0.82	0.83	0.85	0.85	0.87	<b>WR</b>	# of strides	3.82	2.50	2.53
velocity	5.35	9.52	11.11	11.76	12.05	12.20	12.05	11.76	11.76	11.49	10.29	10.29	41.3	7.85	12.00	11.86

**2008 Osaka Grand Prix (Osaka, JPN)****A FINAL**

date 10-May-08 wind 0.8 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
<b>Suetsugu, Shingo (JPN) (1980)</b>	time	1.95	3.03	4.00	4.93	5.84	6.75	7.67	8.60	9.56	10.55	10.55	/ 2			
reaction time	interval		1.08	0.97	0.93	0.91	0.91	0.92	0.93	0.96	0.99		# of strides	4.00	2.75	2.81
	velocity	5.13	9.26	10.31	10.75	10.99	10.99	10.87	10.75	10.42	10.10	9.48		7.50	10.91	10.68
<b>Ueno, Masahide (JPN) (1983)</b>	time	1.99	3.03	3.97	4.90	5.81	6.73	7.65	8.59	9.55	10.55	10.55	/ 4			
reaction time	interval		1.04	0.94	0.93	0.91	0.92	0.92	0.94	0.96	1.00		# of strides	3.97	2.76	2.82
	velocity	5.03	9.62	10.64	10.75	10.99	10.87	10.87	10.64	10.42	10.00	9.48		7.56	10.87	10.64
<b>Tsukahara, Naoki (JPN) (1985)</b>	time	1.92	3.01	4.01	4.96	5.89	6.83	7.77	8.72	9.70	10.71	10.71	/ 6			
reaction time	interval		1.09	1.00	0.95	0.93	0.94	0.94	0.95	0.98	1.01		# of strides	4.01	2.82	2.87
	velocity	5.21	9.17	10.00	10.53	10.75	10.64	10.64	10.53	10.20	9.90	9.34		7.48	10.64	10.45
<b>Ishikura, Kazuki (JPN) (1980)</b>	time	1.91	3.00	4.01	4.96	5.91	6.85	7.80	8.76	9.75	10.78	10.78	/ 7			
reaction time	interval		1.09	1.01	0.95	0.95	0.94	0.95	0.96	0.99	1.03		# of strides	4.01	2.84	2.90
	velocity	5.24	9.17	9.90	10.53	10.53	10.64	10.53	10.42	10.10	9.71	9.28		7.48	10.56	10.34
<b>Asahara, Nobuharu (JPN) (1972)</b>	time	1.95	3.04	4.03	4.98	5.92	6.85	7.80	8.75	9.75	10.83	10.83	/ 8			
reaction time	interval		1.09	0.99	0.95	0.94	0.93	0.95	0.95	1.00	1.08		# of strides	4.03	2.82	2.90
	velocity	5.13	9.17	10.10	10.53	10.64	10.75	10.53	10.53	10.00	9.26	9.23		7.44	10.64	10.34

**B FINAL**

date 10-May-08 wind -1.4 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
<b>Xing Yanan (CHN) (1983)</b>	time	1.97	3.02	3.98	4.90	5.81	6.72	7.64	8.57	9.52	10.49	10.49	/ 2			
reaction time	interval		1.05	0.96	0.92	0.91	0.91	0.92	0.93	0.95	0.97		# of strides	3.98	2.74	2.80
	velocity	5.08	9.52	10.42	10.87	10.99	10.99	10.87	10.75	10.53	10.31	9.53		7.54	10.95	10.71
<b>Kanno, Yuta (JPN) (1980)</b>	time	1.96	3.02	3.98	4.92	5.85	6.78	7.71	8.65	9.61	10.58	10.58	/ 4			
reaction time	interval		1.06	0.96	0.94	0.93	0.93	0.94	0.96	0.97		# of strides	3.98	2.80	2.83	
	velocity	5.10	9.43	10.42	10.64	10.75	10.75	10.75	10.64	10.42	10.31	9.45		7.54	10.71	10.60
<b>Rouge-Serret, Aaron (AUS) (1988)</b>	time	1.97	3.04	4.01	4.94	5.86	6.78	7.71	8.64	9.59	10.62	10.62	/ 5			
reaction time	interval		1.07	0.97	0.93	0.92	0.92	0.93	0.93	0.95	1.03		# of strides	4.01	2.77	2.81
	velocity	5.08	9.35	10.31	10.75	10.87	10.87	10.75	10.75	10.53	9.71	9.42		7.48	10.83	10.68
<b>Suwannarangsri, Sompuote (THA)</b>	time	1.97	3.04	4.01	4.94	5.87	6.78	7.71	8.67	9.64	10.68	10.68	/ 7			
reaction time	interval		1.07	0.97	0.93	0.93	0.91	0.93	0.96	0.97	1.04		# of strides	4.01	2.77	2.86
	velocity	5.08	9.35	10.31	10.75	10.75	10.99	10.75	10.42	10.31	9.62	9.36		7.48	10.83	10.49
<b>Imori, Tadashi (JPN) (1977)</b>	time	1.93	2.99	3.97	4.91	5.84	6.78	7.73	8.70	9.68	10.69	10.69	/ 8			
reaction time	interval		1.06	0.98	0.94	0.93	0.94	0.95	0.97	0.98	1.01		# of strides	3.97	2.81	2.90
	velocity	5.18	9.43	10.20	10.64	10.75	10.64	10.53	10.31	10.20	9.90	9.35		7.56	10.68	10.34

**2008 Kanto Championships (Tokyo, JPN)****Semi-Final 1**

date 18-May-08 wind 0.1 m/s Takikawa (???) - a study on scientific data usage model and development process of 100m performance

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Saito, Hitoshi (JPN) (1986)</b>	time			3.96			6.69				10.35	10.35	/ 1			
reaction time	interval						2.73				3.66	<b>PB</b>	# of strides	3.96	2.73	
	velocity			7.58			10.99				10.93	9.66		46.5	7.58	10.99

**2008 Mikio Oda Memorial (Hiroshima, JPN)****FINAL**

date 29-Apr-08 wind 2.7 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
<b>Takahira, Shinji (JPN) (1984)</b>	time	1.93	2.98	3.94	4.85	5.74	6.62	7.50	8.39	9.29	10.20	10.20	/ 2			
reaction time	interval		1.05	0.96	0.91	0.89	0.88	0.88	0.89	0.90	0.91		# of strides	3.94	2.68	2.67
	velocity	5.18	9.52	10.42	10.99	11.24	11.36	11.36	11.24	11.11	10.99	9.80		7.61	11.19	11.24
<b>Hidaka, Kazuyoshi (JPN) (1980)</b>	time	1.89	2.95	3.91	4.83	5.74	6.64	7.55	8.47	9.40	10.36	10.36	/ 4			
reaction time	interval		1.06	0.96	0.92	0.91	0.90	0.91	0.92	0.93	0.96		# of strides	3.91	2.73	2.76
	velocity	5.29	9.43	10.42	10.87	10.99	11.11	10.99	10.87	10.75	10.42	9.65		7.67	10.99	10.87

**B FINAL**

date 29-Apr-08 wind 2.4 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
<b>Kimura, Shintaro (JPN) (1987)</b>	time	1.92	2.97	3.93	4.85	5.76	6.66	7.57	8.49	9.42	10.36	10.36	/ 1			
reaction time	interval		1.05	0.96	0.92	0.91	0.90	0.91	0.92	0.93	0.94		# of strides	3.93	2.73	2.76
	velocity	5.21	9.52	10.42	10.87	10.99	11.11	10.99	10.87	10.75	10.64	9.65		7.63	10.99	10.87
<b>Iwamoto, Kazuaki (JPN) (1982)</b>	time	1.93	3.01	3.98	4.91	5.82	6.71	7.61	8.53	9.45	10.39	10.39	/ 2			
reaction time	interval		1.08	0.97	0.93	0.91	0.89	0.90	0.92	0.92	0.94		# of strides	3.98	2.73	2.74
	velocity	5.18	9.26	10.31	10.75	10.99	11.24	11.11	10.87	10.87	10.64	9.62		7.54	10.99	10.95

## Heat 3

		date	29-Apr-08	wind	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	
Takahira, Shinji (JPN) (1984)	time				1.93	2.98	3.92	4.84	5.74	6.63	7.54	8.45	9.36	10.29	10.29	/ 1				
	reaction time						1.05	0.94	0.92	0.90	0.89	0.91	0.91	0.91	0.93		# of strides	3.92	2.71	2.73
						5.18	9.52	10.64	10.87	11.11	11.24	10.99	10.99	10.99	10.75	9.72		7.65	11.07	10.99

## Heat 2

		date	29-Apr-08	wind	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	
Kimura, Shintaro (JPN) (1987)	time				1.90	2.96	3.92	4.84	5.75	6.68	7.61	8.56	9.52	10.50	10.50	/ 5				
	reaction time						1.06	0.96	0.92	0.91	0.93	0.93	0.95	0.96	0.98		# of strides	3.92	2.76	2.84
						5.26	9.43	10.42	10.87	10.99	10.75	10.75	10.53	10.42	10.20	9.52		7.65	10.87	10.56
Sugawara, Shin (JPN) (1983)	time				1.96	3.05	4.03	4.97	5.90	6.83	7.75	8.69	9.63	10.63	10.63	/ 7				
	reaction time						1.09	0.98	0.94	0.93	0.92	0.94	0.94	1.00		# of strides	4.03	2.80	2.80	
						5.10	9.17	10.20	10.64	10.75	10.75	10.87	10.64	10.64	10.00	9.41		7.44	10.71	10.71

## Heat 1

		date	29-Apr-08	wind	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
Asahara, Nobuharu (JPN) (1972)	time				1.92	2.96	3.91	4.83	5.72	6.61	7.49	8.37	9.26	10.17	10.17	/ 1			
	reaction time						1.04	0.95	0.92	0.89	0.89	0.88	0.89	0.91		# of strides	3.91	2.70	2.65
						5.21	9.62	10.53	10.87	11.24	11.24	11.36	11.36	11.24	10.99	9.83		7.67	11.11

## 2008 Asian Indoor Games (Doha, QAT)

## FINAL

		date	14-Feb-08		Kuitunen (2008) - biomechanical analysis of the men's 60m final in asian indoor championships in athletics 2008										
					10m	20m	30m	40m	50m	60m		Official Time	Lane / Place	0-30m	30-60m
Francis, Samuel (QAT) (1987)	time				1.91	3.00	3.95	4.86	5.74	6.62		6.62	4 / 1		
	reaction time						1.09	0.95	0.91	0.88	0.88	<b>CR</b>	# of strides	3.95	2.67
						5.24	9.17	10.53	10.99	11.36	11.36	9.06		7.59	11.24
Leung Chun Wai (HKG) (1988)	time				1.88	2.98	3.96	4.90	5.84	6.79		6.79	5 / 2		
	reaction time						1.10	0.98	0.94	0.95	<b>PB</b>	# of strides	3.96	2.83	
						5.32	9.09	10.20	10.64	10.64	10.53	8.84		7.58	10.60
Muravyov, Vyacheslav (KAZ) (1982)	time				1.97	3.08	4.04	4.97	5.88	6.79		6.79	3 / 3		
	reaction time						1.11	0.96	0.93	0.91		# of strides	4.04	2.75	
						5.08	9.01	10.42	10.75	10.99	10.99	8.84		7.43	10.91
Al-Salfa, Omar Juma (UAE) (1989)	time				1.95	3.06	4.03	4.97	5.89	6.81		6.81	2 / 4		
	reaction time						1.11	0.97	0.94	0.92	<b>NR</b>	# of strides	4.03	2.78	
						5.13	9.01	10.31	10.64	10.87	10.87	8.81		7.44	10.79
Imran, Muhammad (PAK) (1983)	time				1.92	3.02	4.00	4.95	5.87	6.82		6.82	8 / 5		
	reaction time						1.10	0.98	0.95	0.92		# of strides	4.00	2.82	
						5.21	9.09	10.20	10.53	10.87	10.53	8.80		7.50	10.64
Al-Farhan, Adel Mohamed (BRN)	time				1.97	3.08	4.05	4.98	5.91	6.84		6.84	7 / 6		
	reaction time						1.11	0.97	0.93	0.93	<b>NR</b>	# of strides	4.05	2.79	
						5.08	9.01	10.31	10.75	10.75	10.75	8.77		7.41	10.75
Piaho, Amir (IRI)	time				1.92	3.03	4.01	4.96	5.90	6.85		6.85	1 / 7		
	reaction time						1.11	0.98	0.95	0.94		# of strides	4.01	2.84	
						5.21	9.01	10.20	10.53	10.64	10.53	8.76		7.48	10.56
Galiyev, Rinat (KAZ) (1984)	time				1.91	3.02	4.01	4.98	5.91	6.87		6.87	6 / 8		
	reaction time						1.11	0.99	0.97	0.93		# of strides	4.01	2.86	
						5.24	9.01	10.10	10.31	10.75	10.42	8.73		7.48	10.49

## 2007 Seiko Super Grand Prix (Yokohama, JPN)

## FINAL

		date	30-Sep-07	wind	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	
Gay, Tyson (USA) (1982)	time				1.98	3.05	4.00	4.91	5.79	6.67	7.55	8.43	9.32	10.23	10.23	/ 1				
	reaction time						1.07	0.95	0.91	0.88	0.88	0.88	0.89	0.91		# of strides	4.00	2.67	2.65	
						5.05	9.35	10.53	10.99	11.36	11.36	11.36	11.36	11.24	10.99	9.78		7.50	11.24	11.32
Tsukahara, Naoki (JPN) (1985)	time				1.99	3.05	4.02	4.95	5.86	6.77	7.69	8.61	9.55	10.51	10.51	/ 3				
	reaction time						1.06	0.97	0.93	0.91	0.91	0.92	0.92	0.94	0.96		# of strides	4.02	2.75	2.78
						5.03	9.43	10.31	10.75	10.99	10.99	10.87	10.87	10.64	10.42	9.51		7.46	10.91	10.79

## 2007 IAAF World Athletic Final (Stuttgart, GER)

## FINAL

		date	22-Sep-07	wind	Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>														
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Powell, Asafa (JAM) (1982)	time																		
	reaction time	0.146													<b>CR</b>	# of strides	3.84	2.57	

<b>Saidy Ndure, Jaysuma (NOR) (1984)</b>	time	2.99	3.93	4.82	6.57	8.30	10.06	10.06	7 / 2					
	reaction time	0.150								<b>NR</b>	# of strides	3.93	2.64	
	interval			0.94	0.89	1.75	1.73	1.76						
	velocity		6.69	10.64	11.24	11.43	11.56	11.36	9.94		43.7	7.63	11.36	
<b>Frater, Michael (JAM) (1982)</b>	time	2.98	3.93	4.83	6.59	8.34	10.11	10.11	5 / 3					
	reaction time	0.149									# of strides	3.93	2.66	
	interval			0.95	0.90	1.76	1.75	1.77						
	velocity		6.71	10.53	11.11	11.36	11.43	11.30	9.89		49.6	7.63	11.28	
<b>Obikwelu, Francis (POR) (1978)</b>	time	3.00	3.94	4.84	6.61	8.36	10.17	10.17	2 / 4					
	reaction time	0.113									# of strides	3.94	2.67	
	interval			0.94	0.90	1.77	1.75	1.81						
	velocity		6.67	10.64	11.11	11.30	11.43	11.05	9.83		43.1	7.61	11.24	
<b>Devonish, Marlon (GBR) (1976)</b>	time	2.99	3.94	4.84	6.62	8.38	10.18	10.18	6 / 5					
	reaction time	0.140									# of strides	3.94	2.68	
	interval			0.95	0.90	1.78	1.76	1.80						
	velocity		6.69	10.53	11.11	11.24	11.36	11.11	9.82		44.1	7.61	11.19	
<b>Martina, Churandy (AHO) (1984)</b>	time	3.05	4.00	4.91	6.69	8.45	10.23	10.23	3 / 6					
	reaction time	0.151									# of strides	4.00	2.69	
	interval			0.95	0.91	1.78	1.76	1.78						
	velocity		6.56	10.53	10.99	11.24	11.36	11.24	9.78		7.50	11.15		
<b>Osovnikar, Matic (SLO) (1980)</b>	time	3.05	4.01	4.92	6.73	8.53	10.35	10.35	8 / 7					
	reaction time	0.207									# of strides	4.01	2.72	
	interval			0.96	0.91	1.81	1.80	1.82						
	velocity		6.56	10.42	10.99	11.05	11.11	10.99	9.66		7.48	11.03		
<b>Fasuba, Olusoji A. (NGR) (1984)</b>			no information available								<b>DQ</b>	1 / --		

## 2007 Memorial Van Damme (Brussels, BEL)

## FINAL

date 14-Sep-07 wind -0.3 m/s ferrari (2009) - Split 100 metri uomini e donne (www.noivelocisti.net/forum?func=view&amp;catid=9&amp;id=1813)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Powell, Asafa (JAM) (1982)</b>	time	2.91	3.82	4.69	5.54	6.38	7.23	8.08	8.95	9.84	9.84	9.84	5 / 1				
	reaction time	0.148												# of strides	3.82	2.56	2.57
	interval			0.91	0.87	0.85	0.84	0.85	0.85	0.87	0.89						
	velocity		6.87	10.99	11.49	11.76	11.90	11.76	11.76	11.49	11.24	10.16		7.85	11.72	11.67	

## 2007 Rieti 2007 (Rieti, ITA)

## Heat 2

date 09-Sep-07 wind 1.7 m/s Brito (2007) - 100m stats, you may be interested (www.elitetrack.com/forums)

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Powell, Asafa (JAM) (1982)</b>	time	2.88	3.79	4.65	5.49	6.32	7.15	7.98	8.84	9.74	9.74	9.74	5 / 1				
	reaction time	0.137												# of strides	3.79	2.53	2.52
	interval			0.91	0.86	0.84	0.83	0.83	0.83	0.86	0.90	<b>WR</b>					
	velocity		6.94	10.99	11.63	11.90	12.05	12.05	12.05	11.63	11.11	10.27		43.4	7.92	11.86	11.90

## 2007 IAAF World Championships (Osaka, JPN)

## FINAL

date 26-Aug-07 wind -0.5 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	
<b>Gay, Tyson (USA) (1982)</b>	time	1.90	2.94	3.86	4.73	5.59	6.44	7.28	8.13	8.99	9.85	9.85	5 / 1				
	reaction time	0.143												# of strides	3.86	2.58	2.55
	interval			1.04	0.92	0.87	0.86	0.85	0.84	0.85	0.86	0.86					
	velocity		5.26	9.62	10.87	11.49	11.63	11.76	11.90	11.76	11.63	11.63	10.15	45.2	7.77	11.63	11.76
<b>Atkins, Derrick (BAH) (1984)</b>	time	1.90	2.93	3.87	4.75	5.62	6.47	7.33	8.18	9.04	9.91	9.91	6 / 2				
	reaction time	0.137												# of strides	3.87	2.60	2.57
	interval			1.03	0.94	0.88	0.87	0.85	0.86	0.85	0.86	0.87	<b>NR</b>				
	velocity		5.26	9.71	10.64	11.36	11.49	11.76	11.63	11.76	11.63	11.49	10.09	44.2	7.75	11.54	11.67
<b>Powell, Asafa (JAM) (1982)</b>	time	1.87	2.91	3.83	4.71	5.57	6.42	7.28	8.15	9.03	9.96	9.96	4 / 3				
	reaction time	0.145												# of strides	3.83	2.59	2.61
	interval			1.04	0.92	0.88	0.86	0.85	0.86	0.87	0.88	0.93					
	velocity		5.35	9.62	10.87	11.36	11.63	11.76	11.63	11.49	11.36	10.75	10.04	46.0	7.83	11.58	11.49
<b>Fasuba, Olusoji A. (NGR) (1984)</b>		0.130	no information available										10.07	9 / 4		# of strides	47.0
<b>Martina, Churandy (AHO) (1984)</b>	time	2.07	3.10	4.04	4.92	5.79	6.64	7.50	8.35	9.21	10.08	10.08	8 / 5				
	reaction time	0.180												# of strides	4.04	2.60	2.57
	interval			1.03	0.94	0.88	0.87	0.85	0.86	0.85	0.86	0.87					
	velocity		4.83	9.71	10.64	11.36	11.49	11.76	11.63	11.76	11.63	11.49	9.92	47.0	7.43	11.54	11.67
<b>Devonish, Marlon (GBR) (1976)</b>	time	1.98	2.99	3.95	4.84	5.73	6.60	7.47	8.35	9.23	10.14	10.14	7 / 6				
	reaction time	0.149												# of strides	3.95	2.65	2.63
	interval			1.01	0.96	0.89	0.89	0.87	0.88	0.88	0.91						
	velocity		5.05	9.90	10.42	11.24	11.24	11.49	11.49	11.36	11.36	10.99	9.86	44.2	7.59	11.32	11.41
<b>Osovnikar, Matic (SLO) (1980)</b>		0.172	no information available										10.23	2 / 7		# of strides	47.0
<b>Burns, Marc (TRI) (1983)</b>		0.166	no information available										10.29	3 / 8		# of strides	43.7

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

## Semi-Final 2

date 26-Aug-07 wind 0.1 m/s Akirabun (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	
<b>Gay, Tyson (USA) (1982)</b>	time	1.95	3.00	3.93	4.82	5.69	6.54	7.39	8.25	9.12	10.00	10.00	4 / 1			Akirabun (2008)	
	reaction time	0.170												# of strides	3.93	2.61	2.58
	interval			1.05	0.93	0.89	0.87	0.85	0.85	0.86	0.87	0.88					
	velocity		5.13	9.52	10.75	11.24	11.49	11.76	11.76	11.63	11.49	11.36	10.00	44.5	7.63	11.49	11.63
<b>Devonish, Marlon (GBR) (1976)</b>	time	1.93	2.99	3.93	4.83	5.71	6.58	7.45	8.33	9.22	10.12	10.12	7 / 2			Akirabun (2008)	
	reaction time	0.154												# of strides	3.93	2.65	2.64
	interval			1.06	0.94	0.90	0.88	0.87	0.87	0.88	0.89	0.90					

velocity	5.18	9.43	10.64	11.11	11.36	11.49	11.49	11.36	11.24	11.11	9.88	44.2	7.63	11.32	11.36
<b>Martina, Churandy (AHO) (1984)</b> time	1.97	3.04	3.99	4.90	5.78	6.65	7.51	8.38	9.26	10.15	10.15	6 / 3	Akirabun (2008)		
reaction time	0.182	interval	1.07	0.95	0.91	0.88	0.87	0.86	0.87	0.88	0.89	# of strides	3.99	2.66	2.61
velocity	5.08	9.35	10.53	10.99	11.36	11.49	11.63	11.49	11.36	11.24	9.85	47.2	7.52	11.28	11.49
<b>Fasuba, Oljusoji (NGR) (1984)</b> time	1.90	2.94	3.89	4.78	5.67	6.56	7.44	8.34	9.25	10.18	10.18	9 / 4	Ae (2008)		
reaction time	0.140	interval	1.04	0.95	0.89	0.89	0.89	0.88	0.90	0.91	0.93	# of strides	3.89	2.67	2.69
velocity	5.26	9.62	10.53	11.24	11.24	11.24	11.36	11.11	10.99	10.75	9.82	47.0	7.71	11.24	11.15

## Semi-Final 1

date	26-Aug-07	wind	0.3 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>											
<b>Atkins, Derrick (BAH) (1984)</b> time	1.92	2.97	3.90	4.79	5.66	6.52	7.37	8.24	9.11	10.04	10.04	6 / 1	Akirabun (2008)		
reaction time	0.166	interval	1.05	0.93	0.89	0.87	0.86	0.85	0.87	0.87	0.93	# of strides	3.90	2.62	2.59
velocity	5.21	9.52	10.75	11.24	11.49	11.63	11.76	11.49	11.49	10.75	9.96	44.0	7.69	11.45	11.58
<b>Powell, Asafa (JAM) (1982)</b> time	1.89	2.93	3.84	4.71	5.57	6.44	7.32	8.22	9.14	10.08	10.08	4 / 2	Akirabun (2008)		
reaction time	0.156	interval	1.04	0.91	0.87	0.86	0.87	0.88	0.90	0.92	0.94	# of strides	3.84	2.60	2.70
velocity	5.29	9.62	10.99	11.49	11.63	11.49	11.36	11.11	10.87	10.64	9.92	43.2	7.81	11.54	11.11
<b>Asahara, Nobuharu (JPN) (1972)</b> time	1.94	2.99	3.94	4.85	5.75	6.64	7.54	8.45	9.38	10.36	10.36	3 / 8	Akirabun (2008)		
reaction time	0.161	interval	1.05	0.95	0.91	0.90	0.89	0.90	0.91	0.93	0.98	# of strides	3.94	2.70	2.74
velocity	5.15	9.52	10.53	10.99	11.11	11.24	11.11	10.99	10.75	10.20	9.65	47.0	7.61	11.11	10.95

## Quarter-Final 4

date	25-Aug-07	wind	-0.3 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>											
<b>Tsukahara, Naoki (JPN) (1985)</b> time	1.92	2.96	3.91	4.83	5.73	6.62	7.53	8.44	9.36	10.31	10.31	7 / 5	Akirabun (2008)		
reaction time	0.154	interval	1.04	0.95	0.92	0.90	0.89	0.91	0.91	0.92	0.95	# of strides	3.91	2.71	2.74
velocity	5.21	9.62	10.53	10.87	11.11	11.24	10.99	10.99	10.87	10.53	9.70	49.2	7.67	11.07	10.95

## Quarter-Final 3

date	25-Aug-07	wind	-0.6 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>											
<b>Martina, Churandy (AHO) (1984)</b> time	1.96	2.99	3.94	4.84	5.72	6.58	7.45	8.31	9.19	10.10	10.10	4 / 1	Akirabun (2008)		
reaction time	0.141	interval	1.03	0.95	0.90	0.88	0.86	0.87	0.88	0.91	0.91	# of strides	3.94	2.64	2.61
velocity	5.10	9.71	10.53	11.11	11.36	11.63	11.49	11.63	11.36	10.99	9.90	47.0	7.61	11.36	11.49

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

## Quarter-Final 2

date	25-Aug-07	wind	-0.5 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>											
<b>Gay, Tyson (USA) (1982)</b> time	1.97	3.02	3.95	4.83	5.69	6.55	7.41	8.27	9.14	10.06	10.06	4 / 1	Akirabun (2008)		
reaction time	0.203	interval	1.05	0.93	0.88	0.86	0.86	0.86	0.87	0.92	0.92	# of strides	3.95	2.60	2.59
velocity	5.08	9.52	10.75	11.36	11.63	11.63	11.63	11.63	11.49	10.87	9.94	44.7	7.59	11.54	11.58
<b>Devonish, Marlon (GBR) (1976)</b> time	1.95	2.99	3.93	4.83	5.71	6.59	7.46	8.33	9.22	10.13	10.13	7 / 2	Akirabun (2008)		
reaction time	0.154	interval	1.04	0.94	0.88	0.88	0.87	0.87	0.89	0.91	0.91	# of strides	3.93	2.66	2.63
velocity	5.13	9.62	10.64	11.11	11.36	11.36	11.49	11.49	11.24	10.99	9.87	44.0	7.63	11.28	11.41
<b>Fasuba, Oljusoji (NGR) (1984)</b> time	1.94	2.99	3.93	4.83	5.72	6.60	7.49	8.39	9.30	10.24	10.24	9 / 3	Ae (2008)		
reaction time	0.181	interval	1.05	0.94	0.90	0.89	0.88	0.89	0.90	0.91	0.94	# of strides	3.93	2.67	2.70
velocity	5.15	9.52	10.64	11.11	11.24	11.36	11.24	11.11	10.99	10.64	9.77	46.6	7.63	11.24	11.11

## Quarter-Final 1

date	25-Aug-07	wind	0.8 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>											
<b>Powell, Asafa (JAM) (1982)</b> time	1.85	2.88	3.80	4.67	5.53	6.39	7.24	8.13	9.05	10.01	10.01	7 / 1	Akirabun (2008)		
reaction time	0.150	interval	1.03	0.92	0.87	0.86	0.86	0.85	0.89	0.92	0.96	# of strides	3.80	2.59	2.66
velocity	5.41	9.71	10.87	11.49	11.63	11.63	11.76	11.24	10.87	10.42	9.99	43.5	7.89	11.58	11.28
<b>Atkins, Derrick (BAH) (1984)</b> time	1.89	2.93	3.88	4.76	5.63	6.49	7.35	8.21	9.09	10.02	10.02	8 / 2	Akirabun (2008)		
reaction time	0.150	interval	1.04	0.95	0.88	0.87	0.86	0.86	0.88	0.93	0.93	# of strides	3.88	2.61	2.60
velocity	5.29	9.62	10.53	11.36	11.49	11.63	11.63	11.63	11.36	10.75	9.98	44.2	7.73	11.49	11.54
<b>Asahara, Nobuharu (JPN) (1972)</b> time	1.91	2.95	3.90	4.80	5.69	6.57	7.44	8.33	9.24	10.16	10.16	4 / 4	Akirabun (2008)		
reaction time	0.143	interval	1.04	0.95	0.90	0.89	0.88	0.87	0.89	0.91	0.92	# of strides	3.90	2.67	2.67
velocity	5.24	9.62	10.53	11.11	11.24	11.36	11.49	11.24	10.99	10.87	9.84	46.2	7.69	11.24	11.24

## Heat 7

date	25-Aug-07	wind	-0.1 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>												
<b>Tsukahara, Naoki (JPN) (1985)</b> time	1.87	2.92	3.87	4.78	5.68	6.57	7.47	8.36	9.27	10.20	10.20	3 / 2	Akirabun (2008)			
reaction time	0.132	interval	1.05	0.95	0.91	0.90	0.89	0.90	0.89	0.91	0.93	PB	# of strides	3.87	2.70	2.70
velocity	5.35	9.52	10.53	10.99	11.11	11.24	11.11	11.24	10.99	10.75	9.80	44.0	7.75	11.11	11.11	

## Heat 6

date	25-Aug-07	wind	1.0 m/s	<i>Akirabun (2008) - the analysis of the 100m races at the 2007 IAAF world championships in athletics</i>											
<b>Powell, Asafa (JAM) (1982)</b> time	1.88	2.91	3.88	4.77	5.68	6.58	7.49	8.42	9.36	10.34	10.34	3 / 2	Akirabun (2008)		
reaction time	0.165	interval	1.03	0.97	0.89	0.91	0.90	0.91	0.93	0.94	0.98	# of strides	3.88	2.70	2.78
velocity	5.32	9.71	10.31	11.24	10.99	11.11	10.99	10.75	10.64	10.20	9.67	44.0	7.73	11.11	10.79

**Heat 3**

		date	25-Aug-07	wind	-1.0 m/s	Akirabun (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
<b>Devonish, Marlon (GBR) (1976)</b>	time					1.92	2.97	3.91	4.80	5.68	6.56	7.43	8.31	9.20	10.13	10.13	4 / 1			
	reaction time	0.138	interval				1.05	0.94	0.89	0.88	0.88	0.87	0.88	0.89	0.93		# of strides	3.91	2.65	2.64
			velocity				5.21	9.52	10.64	11.24	11.36	11.36	11.49	11.36	11.24	10.75	9.87		7.67	11.32

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**Heat 2**

		date	25-Aug-07	wind	1.0 m/s	Akirabun (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
<b>Atkins, Derrick (BAH) (1984)</b>	time					1.92	3.00	3.96	4.88	5.77	6.65	7.54	8.43	9.33	10.25	10.25	5 / 3			
	reaction time	0.158	interval				1.08	0.96	0.92	0.89	0.88	0.89	0.89	0.90	0.92		# of strides	3.96	2.69	2.68
			velocity				5.21	9.26	10.42	10.87	11.24	11.36	11.24	11.24	11.11	10.87	9.76		7.58	11.15
<b>Fasuba, Olusoji A. (NGR) (1984)</b>	time					1.95	3.02	3.96	4.87	5.76	6.65	7.54	8.44	9.36	10.27	10.27	9 / 4			
	reaction time	0.190	interval				1.07	0.94	0.91	0.89	0.89	0.89	0.90	0.92	0.91		# of strides	3.96	2.69	2.71
			velocity				5.13	9.35	10.64	10.99	11.24	11.24	11.24	11.11	10.87	10.99	9.74		7.58	11.15

**Heat 1**

		date	25-Aug-07	wind	1.0 m/s	Akirabun (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
<b>Asahara, Nobuharu (JPN) (1972)</b>	time					1.90	2.94	3.88	4.77	5.64	6.51	7.38	8.27	9.18	10.14	10.14	1 / 1			
	reaction time	0.147	interval				1.04	0.94	0.89	0.87	0.87	0.87	0.89	0.91	0.96		# of strides	3.88	2.63	2.67
			velocity				5.26	9.62	10.64	11.24	11.49	11.49	11.49	11.24	10.99	10.42	9.86		7.73	11.41

**2007 Japanese National High School Championships (Saga, JPN)****FINAL**

		date	03-Aug-07	wind	0.7 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
<b>Kobayashi, Yuichi (JPN) (1989)</b>	time						3.05	4.03	4.97	5.89	6.80	7.72	8.64	9.58	10.56	10.56	4 / 1			
	reaction time		interval				0.98	0.94	0.92	0.91	0.92	0.92	0.94	0.98			# of strides	4.03	2.77	2.78
			velocity				6.56	10.20	10.64	10.87	10.99	10.87	10.87	10.64	10.20	9.47			7.44	10.83
<b>Kawai, Genki (JPN) (1989)</b>	time						2.97	3.95	4.88	5.81	6.74	7.68	8.62	9.58	10.59	10.59	8 / 2			
	reaction time		interval				0.98	0.93	0.93	0.93	0.94	0.94	0.96	1.01			# of strides	3.95	2.79	2.84
			velocity				6.73	10.20	10.75	10.75	10.75	10.64	10.64	10.42	9.90	9.44			7.59	10.75
<b>Yano, Shogo (JPN) (1990)</b>	time						3.04	4.02	4.97	5.91	6.85	7.78	8.73	9.69	10.70	10.70	2 / 3			
	reaction time		interval				0.98	0.95	0.94	0.94	0.93	0.95	0.96	1.01			# of strides	4.02	2.83	2.84
			velocity				6.58	10.20	10.53	10.64	10.64	10.75	10.53	10.42	9.90	9.35			7.46	10.60
<b>Miyazaki, Takashi (JPN) (1990)</b>	time						3.02	3.99	4.93	5.87	6.80	7.74	8.69	9.68	10.71	10.71	6 / 4			
	reaction time		interval				0.97	0.94	0.94	0.93	0.94	0.95	0.99	1.03			# of strides	3.99	2.81	2.88
			velocity				6.62	10.31	10.64	10.64	10.75	10.64	10.53	10.10	9.71	9.34			7.52	10.68
<b>Naoki, Koja (JPN)</b>	time						3.07	4.07	5.00	5.93	6.86	7.79	8.73	9.70	10.72	10.72	5 / 5			
	reaction time		interval				1.00	0.93	0.93	0.93	0.93	0.94	0.97	1.02			# of strides	4.07	2.79	2.84
			velocity				6.51	10.00	10.75	10.75	10.75	10.75	10.64	10.31	9.80	9.33			7.37	10.75
<b>Yoshida, Kohei (JPN) (1989)</b>	time						3.05	4.08	5.00	5.94	6.88	7.82	8.78	9.75	10.78	10.78	3 / 6			
	reaction time		interval				1.03	0.92	0.94	0.94	0.94	0.94	0.96	0.97	1.03		# of strides	4.08	2.80	2.87
			velocity				6.56	9.71	10.87	10.64	10.64	10.64	10.42	10.31	9.71	9.28			7.35	10.71
<b>Sakai, Taku (JPN)</b>	time						3.07	4.07	5.00	5.95	6.90	7.86	8.82	9.79	10.81	10.81	7 / 7			
	reaction time		interval				1.00	0.93	0.95	0.95	0.96	0.96	0.97	1.02			# of strides	4.07	2.83	2.89
			velocity				6.51	10.00	10.75	10.53	10.53	10.42	10.42	10.31	9.80	9.25			7.37	10.60
<b>Sudo, Takumi (JPN)</b>	time						3.08	4.11	5.08	6.05	7.03	8.01	9.01	10.02	11.08	11.08	1 / 8			
	reaction time		interval				1.03	0.97	0.97	0.98	0.98	1.00	1.01	1.06			# of strides	4.11	2.92	2.99
			velocity				6.49	9.71	10.31	10.31	10.20	10.20	10.00	9.90	9.43	9.03			7.30	10.27

**2007 Windsprint (Sundsvall, SWE)****FINAL**

		date	24-Jul-07	wind	1.4 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
<b>Johnson, Chris (USA) (1982)</b>	time							4.03							10.49	10.49	1 / 1			
	reaction time		interval														# of strides	4.03	2.72	
			velocity						7.44							9.53			7.44	11.03
<b>Masztak, Kamil (POL) (1982)</b>	time							4.01							10.54	10.54	1 / 2			
	reaction time		interval														# of strides	4.01	2.78	
			velocity						7.48							9.49			7.48	10.79
<b>Wellington, Andre (JAM) (1986)</b>	time							4.00							10.59	10.59	1 / 3			
	reaction time		interval														# of strides	4.00	2.79	
			velocity						7.50							9.44			7.50	10.75
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time							4.11							10.69	10.69	1 / 4			
	reaction time		interval														# of strides	4.11	2.80	
			velocity						7.30							9.35			7.30	10.71

<b>Engberg, Johan (SWE) (1981)</b>	time	4.09	6.90	8.76	10.70	10.70	/ 5			
	reaction time	interval	2.81	1.86	1.94		# of strides	4.09	2.81	
	velocity	7.33	10.68	10.75	10.31	9.35		7.33	10.68	
<b>Sandin, Christofer (SWE) (1979)</b>	time	4.11	6.95	8.85	10.83	10.83	/ 6			
	reaction time	interval	2.84	1.90	1.98		# of strides	4.11	2.84	
	velocity	7.30	10.56	10.53	10.10	9.23		7.30	10.56	
<b>Brännström, André (SWE) (1987)</b>	time	4.17	7.06	9.01	11.01	11.01	/ 7			
	reaction time	interval	2.89	1.95	2.00		# of strides	4.17	2.89	
	velocity	7.19	10.38	10.26	10.00	9.08		7.19	10.38	
<b>Wahn, Erik (SWE) (1980)</b>	time	4.18	7.07	9.01	11.02	11.02	/ 8			
	reaction time	interval	2.89	1.94	2.01		# of strides	4.18	2.89	
	velocity	7.18	10.38	10.31	9.95	9.07		7.18	10.38	

**B FINAL**

date 24-Jul-07 wind 1.1 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
<b>Sulusi-Sjö, Brian (SWE) (1977)</b>	time	4.15					7.00		8.92		10.91	10.91	/ 1			
	reaction time	interval					2.85		1.92		1.99	<b>PB</b>	# of strides	4.15	2.85	
	velocity	7.23					10.53		10.42		10.05	9.17		7.23	10.53	
<b>Kling-Baptiste, Tom (SWE) (1990)</b>	time	4.19					7.02		8.95		10.94	10.94	/ 2			
	reaction time	interval					2.83		1.93		1.99	<b>PB</b>	# of strides	4.19	2.83	
	velocity	7.16					10.60		10.36		10.05	9.14		7.16	10.60	
<b>Karlsson, Erik (SWE) (1987)</b>	time	4.15					7.01		8.96		10.98	10.98	/ 3			
	reaction time	interval					2.86		1.95		2.02		# of strides	4.15	2.86	
	velocity	7.23					10.49		10.26		9.90	9.11		7.23	10.49	
<b>Mårtensson, Jonas (SWE) (1988)</b>	time	4.11					7.03		8.99		11.06	11.06	/ 4			
	reaction time	interval					2.92		1.96		2.07		# of strides	4.11	2.92	
	velocity	7.30					10.27		10.20		9.66	9.04		7.30	10.27	
<b>Arnsten, Daniel (SWE) (1982)</b>	time	4.11					7.04		8.98		11.10	11.10	/ 5			
	reaction time	interval					2.93		1.94		2.12		# of strides	4.11	2.93	
	velocity	7.30					10.24		10.31		9.43	9.01		7.30	10.24	
<b>Sunneborn, Mattias (SWE) (1970)</b>	time	4.23					7.15		9.08		11.13	11.13	/ 6			
	reaction time	interval					2.92		1.93		2.05		# of strides	4.23	2.92	
	velocity	7.09					10.27		10.36		9.76	8.98		7.09	10.27	
<b>Ertzgaard, John (NOR) (1977)</b>	time	4.33					7.29		9.27		11.34	11.34	/ 7			
	reaction time	interval					2.96		1.98		2.07		# of strides	4.33	2.96	
	velocity	6.93					10.14		10.10		9.66	8.82		6.93	10.14	

**C FINAL**

date 24-Jul-07 wind -0.4 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
<b>Broström, Niklas (SWE) (1977)</b>	time	4.17					7.08		9.06		11.18	11.18	/ 1			
	reaction time	interval					2.91		1.98		2.12		# of strides	4.17	2.91	
	velocity	7.19					10.31		10.10		9.43	8.94		7.19	10.31	
<b>Dufournier, Mathias (SWE) (1990)</b>	time	4.28					7.21		9.22		11.22	11.22	/ 2			
	reaction time	interval					2.93		2.01		2.00		# of strides	4.28	2.93	
	velocity	7.01					10.24		9.95		10.00	8.91		7.01	10.24	
<b>Andersson, Adam (SWE) (1991)</b>	time	4.25					7.21		9.18		11.23	11.23	/ 3			
	reaction time	interval					2.96		1.97		2.05		# of strides	4.25	2.96	
	velocity	7.06					10.14		10.15		9.76	8.90		7.06	10.14	
<b>Angell-Petersen, Børge (NOR) (1991)</b>	time	4.25					7.22		9.23		11.31	11.31	/ 4			
	reaction time	interval					2.97		2.01		2.08		# of strides	4.25	2.97	
	velocity	7.06					10.10		9.95		9.62	8.84		7.06	10.10	
<b>Dahlöf, Carl (SWE) (1988)</b>	time	4.23					7.22		9.27		11.32	11.32	/ 5			
	reaction time	interval					2.99		2.05		2.05		# of strides	4.23	2.99	
	velocity	7.09					10.03		9.76		9.76	8.83		7.09	10.03	
<b>Norgren, Daniel (SWE) (1990)</b>	time	4.23					7.22		9.28		11.37	11.37	/ 6			
	reaction time	interval					2.99		2.06		2.09		# of strides	4.23	2.99	
	velocity	7.09					10.03		9.71		9.57	8.80		7.09	10.03	
<b>Adolfsson, Henrik (SWE) (1988)</b>	time	4.23					7.24		9.31		11.40	11.40	/ 7			
	reaction time	interval					3.01		2.07		2.09		# of strides	4.23	3.01	
	velocity	7.09					9.97		9.66		9.57	8.77		7.09	9.97	
<b>Hilmersson, Jonas (SWE) (1988)</b>	time	4.24					7.27		9.35		11.47	11.47	/ 8			



reaction time	interval		3.03	2.08	2.12		# of strides	4.24	3.03
	velocity	7.08	9.90	9.62	9.43	8.72		7.08	9.90

D FINAL

	date	24-Jul-07	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		
<b>Waltersson, Jonathan (SWE) (1981)</b>	time				4.28			7.28		9.25		11.28	11.28	/ 1					
	reaction time	interval						3.00		1.97		2.03		# of strides	4.28	3.00			
		velocity	7.01					10.00		10.15		9.85	8.87		7.01	10.00			
<b>Skoglund, Björn (SWE) (1991)</b>	time				4.28			7.29		9.29		11.38	11.38	/ 2					
	reaction time	interval						3.01		2.00		2.09		# of strides	4.28	3.01			
		velocity	7.01					9.97		10.00		9.57	8.79		7.01	9.97			
<b>Mukiibi, Simon (SWE) (1990)</b>	time				4.29			7.30		9.33		11.44	11.44	/ 3					
	reaction time	interval						3.01		2.03		2.11		# of strides	4.29	3.01			
		velocity	6.99					9.97		9.85		9.48	8.74		6.99	9.97			
<b>Idenfors, Daniel (SWE) (1988)</b>	time				4.33			7.38		9.46		11.63	11.63	/ 4					
	reaction time	interval						3.05		2.08		2.17		# of strides	4.33	3.05			
		velocity	6.93					9.84		9.62		9.22	8.60		6.93	9.84			
<b>Söderqvist, Per-Erik (SWE) (1987)</b>	time				4.40			7.49		9.54		11.65	11.65	/ 5					
	reaction time	interval						3.09		2.05		2.11		# of strides	4.40	3.09			
		velocity	6.82					9.71		9.76		9.48	8.58		6.82	9.71			
<b>Skeppstedt, Martin (SWE) (1982)</b>	time				4.33			7.41		9.50		11.71	11.71	/ 6					
	reaction time	interval						3.08		2.09		2.21		# of strides	4.33	3.08			
		velocity	6.93					9.74		9.57		9.05	8.54		6.93	9.74			

E FINAL

	date	24-Jul-07	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		
<b>Zetterberg, Johan (SWE) (1984)</b>	time				4.30			7.30		9.34		11.47	11.47	/ 1					
	reaction time	interval						3.00		2.04		2.13		# of strides	4.30	3.00			
		velocity	6.98					10.00		9.80		9.39	8.72		6.98	10.00			
<b>Kristoffersson, Fredrik (SWE) (1982)</b>	time				4.39			7.43		9.46		11.61	11.61	/ 2					
	reaction time	interval						3.04		2.03		2.15		# of strides	4.39	3.04			
		velocity	6.83					9.87		9.85		9.30	8.61		6.83	9.87			
<b>Svensson, Charles (SWE) (1975)</b>	time				4.42			7.58		9.67		11.84	11.84	/ 3					
	reaction time	interval						3.16		2.09		2.17		# of strides	4.42	3.16			
		velocity	6.79					9.49		9.57		9.22	8.45		6.79	9.49			
<b>Groth, Joel (SWE) (1991)</b>	time				4.45			7.66		9.76		11.95	11.95	/ 4					
	reaction time	interval						3.21		2.10		2.19		# of strides	4.45	3.21			
		velocity	6.74					9.35		9.52		9.13	8.37		6.74	9.35			
<b>Jonasson, Erik (SWE) (1991)</b>	time				4.51			7.75		9.94		12.21	12.21	/ 5					
	reaction time	interval						3.24		2.19		2.27		# of strides	4.51	3.24			
		velocity	6.65					9.26		9.13		8.81	8.19		6.65	9.26			
<b>Larsson, Åke (SWE) (1957)</b>	time				4.59			7.84		10.06		12.29	12.29	/ 6					
	reaction time	interval						3.25		2.22		2.23		# of strides	4.59	3.25			
		velocity	6.54					9.23		9.01		8.97	8.14		6.54	9.23			

Heat 6

	date	24-Jul-07	wind	0.4 m/s															
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Wissman, Johan (SWE) (1982)</b>	time				4.13			6.88		8.66		10.51	10.51	/ 1					
	reaction time	interval						2.75		1.78		1.85		# of strides	4.13	2.75			
		velocity	7.26					10.91		11.24		10.81	9.51		7.26	10.91			

2007 Japanese National Championships (Osaka, JPN)

FINAL

	date	01-Jul-07	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		
<b>Tsukahara, Naoki (JPN) (1985)</b>	time		1.92	2.99	3.95	4.88	5.79	6.69	7.58	8.49	9.41	10.34	10.34	/ 1					
	reaction time	interval		1.07	0.96	0.93	0.91	0.90	0.89	0.91	0.92	0.93		# of strides	3.95	2.74	2.72		
		velocity	5.21	9.35	10.42	10.75	10.99	11.11	11.24	10.99	10.87	10.75	9.67		7.59	10.95	11.03		
<b>Asahara, Nobuharu (JPN) (1972)</b>	time		1.91	2.96	3.92	4.83	5.74	6.64	7.55	8.47	9.41	10.39	10.39	/ 2					
	reaction time	interval		1.05	0.96	0.91	0.91	0.90	0.91	0.92	0.94	0.98		# of strides	3.92	2.72	2.77		
		velocity	5.24	9.52	10.42	10.99	10.99	11.11	10.99	10.87	10.64	10.20	9.62		7.65	11.03	10.83		
<b>Kojima, Shigeyuki (JPN) (1979)</b>	time		1.89	2.98	3.96	4.89	5.81	6.73	7.65	8.58	9.53	10.50	10.50	/ 3					
	reaction time	interval		1.09	0.98	0.93	0.92	0.92	0.92	0.93	0.95	0.97		# of strides	3.96	2.77	2.80		
		velocity	5.29	9.17	10.20	10.75	10.87	10.87	10.87	10.75	10.53	10.31	9.52		7.58	10.83	10.71		

Ueno, Masahide (JPN) (1983)	time	1.92	3.01	3.99	4.91	5.83	6.75	7.67	8.60	9.54	10.50	10.50	/ 3			
	reaction time	interval	1.09	0.98	0.92	0.92	0.92	0.92	0.93	0.94	0.96		# of strides	3.99	2.76	2.79
	velocity	5.21	9.17	10.20	10.87	10.87	10.87	10.87	10.75	10.64	10.42	9.52		7.52	10.87	10.75
Eriguchi, Masashi (JPN) (1988)	time	1.94	3.03	3.99	4.91	5.83	6.75	7.67	8.61	9.56	10.53	10.53	/ 5			
	reaction time	interval	1.09	0.96	0.92	0.92	0.92	0.92	0.94	0.95	0.97		# of strides	3.99	2.76	2.81
	velocity	5.15	9.17	10.42	10.87	10.87	10.87	10.87	10.64	10.53	10.31	9.50		7.52	10.87	10.68

## 2007 Osaka Grand Prix (Osaka, JPN)

## FINAL

date 05-May-07 wind 0.4 m/s Akirabun (2008) - 2007 speed analysis of the men's &amp; women's 100m, 100m hurdles, &amp; 110m hurdles

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Suetsugu, Shingo (JPN) (1980)	time	1.94	2.98	3.93	4.84	5.73	6.61	7.50	8.39	9.30	10.23	10.23	/ 1			
	reaction time	interval	1.04	0.95	0.91	0.89	0.88	0.89	0.89	0.91	0.93		# of strides	3.93	2.68	2.69
	velocity	5.15	9.62	10.53	10.99	11.24	11.36	11.24	11.24	10.99	10.75	9.78		7.63	11.19	11.15
Asahara, Nobuharu (JPN) (1972)	time	1.94	3.00	3.95	4.86	5.76	6.66	7.56	8.48	9.41	10.38	10.38	/ 3			
	reaction time	interval	1.06	0.95	0.91	0.90	0.90	0.90	0.92	0.93	0.97		# of strides	3.95	2.71	2.75
	velocity	5.15	9.43	10.53	10.99	11.11	11.11	11.11	10.87	10.75	10.31	9.63		7.59	11.07	10.91
Tsukahara, Naoki (JPN) (1985)	time	1.97	3.03	4.00	4.93	5.85	6.76	7.67	8.58	9.51	10.45	10.45	/ 4			
	reaction time	interval	1.06	0.97	0.93	0.92	0.91	0.91	0.91	0.93	0.94		# of strides	4.00	2.76	2.75
	velocity	5.08	9.43	10.31	10.75	10.87	10.99	10.99	10.99	10.75	10.64	9.57		7.50	10.87	10.91

## 2007 Mikio Oda Memorial (Hiroshima, JPN)

## FINAL

date 29-Apr-07 wind 2.2 m/s Akirabun (2008) - 2007 speed analysis of the men's &amp; women's 100m, 100m hurdles, &amp; 110m hurdles

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Asahara, Nobuharu (JPN) (1972)	time	1.91	2.95	3.90	4.80	5.69	6.56	7.45	8.34	9.25	10.18	10.18	/ 1			
	reaction time	interval	1.04	0.95	0.90	0.89	0.87	0.89	0.89	0.91	0.93		# of strides	3.90	2.66	2.69
	velocity	5.24	9.62	10.53	11.11	11.24	11.49	11.24	11.24	10.99	10.75	9.82		7.69	11.28	11.15
Ishikura, Kazuki (JPN) (1980)	time	1.94	3.00	3.98	4.93	5.85	6.76	7.66	8.58	9.53	10.50	10.50	/ 5			
	reaction time	interval	1.06	0.98	0.95	0.92	0.91	0.90	0.92	0.95	0.97		# of strides	3.98	2.78	2.77
	velocity	5.15	9.43	10.20	10.53	10.87	10.99	11.11	10.87	10.53	10.31	9.52		7.54	10.79	10.83

## 2006 Seiko Super Grand Prix (Yokohama, JPN)

## FINAL

date 24-Sep-06 wind 2.2 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
Suetsugu, Shingo (JPN) (1980)	time	1.97	3.00	3.93	4.82	5.69	6.56	7.44	8.32	9.21	10.12	10.12	/ 1			
	reaction time	interval	1.03	0.93	0.89	0.87	0.87	0.88	0.88	0.89	0.91		# of strides	3.93	2.63	2.65
	velocity	5.08	9.71	10.75	11.24	11.49	11.49	11.36	11.36	11.24	10.99	9.88		7.63	11.41	11.32
Tsukahara, Naoki (JPN) (1985)	time	1.97	3.02	3.96	4.87	5.76	6.64	7.53	8.42	9.34	10.26	10.26	/ 2			
	reaction time	interval	1.05	0.94	0.91	0.89	0.88	0.89	0.89	0.92	0.92		# of strides	3.96	2.68	2.70
	velocity	5.08	9.52	10.64	10.99	11.24	11.36	11.24	11.24	10.87	10.87	9.75		7.58	11.19	11.11

## 2006 Weltklasse (Zurich, SUI)

## FINAL

date 18-Aug-06 wind 1.0 m/s Saunders (2011) - www.athleticscoaching.ca/member.aspx?p=viewblog&amp;id=15

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Powell, Asafa (JAM) (1982)	time	1.87	2.89	3.81	4.68	5.52	6.36	7.20	8.05	8.91	9.77	9.77	5 / 1			
	reaction time 0.148	interval	1.02	0.92	0.87	0.84	0.84	0.84	0.85	0.86	0.86	=WR	# of strides	3.81	2.55	2.55
	velocity	5.35	9.80	10.87	11.49	11.90	11.90	11.90	11.76	11.63	11.63	10.24		45.0	7.87	11.76
Gay, Tyson (USA) (1982)	time	1.90	2.93	3.87	4.75	5.61	6.46	7.30	8.14	8.99	9.84	9.84	6 / 2			
	reaction time 0.152	interval	1.03	0.94	0.88	0.86	0.85	0.84	0.84	0.85	0.85	PB	# of strides	3.87	2.59	2.53
	velocity	5.26	9.71	10.64	11.36	11.63	11.76	11.90	11.90	11.76	11.76	10.16		45.0	7.75	11.58

## 2006 Estonian National Championship (Tallinn, EST)

## FINAL

date 21-Jul-06 wind 0.6 m/s Misjuk (2011) - running velocity dynamics in 100m sprint

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Niit, Marek (EST) (1987)	time			4.02			6.77		8.61		10.51	10.51	/ 1			
	reaction time	interval					2.75		1.84		1.90	NJR	# of strides	4.02	2.75	
	velocity			7.46			10.91		10.87		10.53	9.51		7.46	10.91	
Reinaru, Kristjan (EST) (1989)	time			4.05			7.00		8.89		10.84	10.84	/ 2			
	reaction time	interval					2.95		1.89		1.95		# of strides	4.05	2.95	
	velocity			7.41			10.17		10.58		10.26	9.23		7.41	10.17	
Mesipuu, Mairo (EST) (1985)	time			4.03			6.91		8.85		10.93	10.93	/ 3			
	reaction time	interval					2.88		1.94		2.08		# of strides	4.03	2.88	
	velocity			7.44			10.42		10.31		9.62	9.15		7.44	10.42	
Meerits, Teet (EST) (1989)	time			4.06			7.07		9.00		11.00	11.00	/ 4			
	reaction time	interval					3.01		1.93		2.00		# of strides	4.06	3.01	
	velocity			7.39			9.97		10.36		10.00	9.09		7.39	9.97	

<b>Ulianov, Vitalii (EST) (1987)</b>	time	4.08	7.17	9.10	11.12	11.12	/ 5		
	reaction time	interval	3.09	1.93	2.02		# of strides	4.08	3.09
	velocity	7.35	9.71	10.36	9.90	8.99	7.35	9.71	
<b>Krumm, Elmo (EST) (1985)</b>	time	4.06	7.12	9.11	11.15	11.15	/ 6		
	reaction time	interval	3.06	1.99	2.04		# of strides	4.06	3.06
	velocity	7.39	9.80	10.05	9.80	8.97	7.39	9.80	
<b>Lind, Mait (EST) (1975)</b>	time	4.09	7.20	9.17	11.21	11.21	/ 7		
	reaction time	interval	3.11	1.97	2.04		# of strides	4.09	3.11
	velocity	7.33	9.65	10.15	9.80	8.92	7.33	9.65	

**2006 USATF National Championship (Indianapolis, IN)****FINAL**

		date	23-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			
<b>Gatlin, Justin (USA) (1982)</b>	time		1.92	2.98	3.87	4.73	5.59	6.46	7.29	8.16	9.06	9.93	9.93	4 / <del>1</del>						
	reaction time	interval		1.06	0.89	0.86	0.86	0.87	0.83	0.87	0.90	0.87	DV	# of strides	3.87	2.59	2.60			
	velocity	5.21	9.43	11.24	11.63	11.63	11.49	12.05	11.49	11.11	11.49	10.07	43.0	7.75	11.58	11.54				
<b>Gay, Tyson (USA) (1982)</b>	time		1.99	3.04	3.96	4.82	5.71	6.57	7.41	8.27	9.18	10.07	10.07	6 / <del>2</del> 1						
	reaction time	interval		1.05	0.92	0.86	0.89	0.86	0.84	0.86	0.91	0.89		# of strides	3.96	2.61	2.61			
	velocity	5.03	9.52	10.87	11.63	11.24	11.63	11.90	11.63	10.99	11.24	9.93	46.7	7.58	11.49	11.49				
<b>Crawford, Shawn (USA) (1978)</b>	time		1.99	3.04	3.97	4.84	5.76	6.64	7.50	8.39	9.33	10.26	10.26	5 / <del>3</del> 2						
	reaction time	interval		1.05	0.93	0.87	0.92	0.88	0.86	0.89	0.94	0.93		# of strides	3.97	2.67	2.69			
	velocity	5.03	9.52	10.75	11.49	10.87	11.36	11.63	11.24	10.64	10.75	9.75	46.7	7.56	11.24	11.15				
<b>Vaden, Jordan (USA) (1978)</b>	time		2.01	3.08	4.01	4.89	5.79	6.69	7.54	8.48	9.36	10.27	10.27	3 / <del>4</del> 3						
	reaction time	interval		1.07	0.93	0.88	0.90	0.90	0.85	0.94	0.88	0.91		# of strides	4.01	2.68	2.67			
	velocity	4.98	9.35	10.75	11.36	11.11	11.11	11.76	10.64	11.36	10.99	9.74	45.0	7.48	11.19	11.24				
<b>Smoots, Jason (USA) (1980)</b>	time		1.97	3.02	3.97	4.87	5.76	6.66	7.52	8.43	9.34	10.29	10.29	1 / <del>5</del> 4						
	reaction time	interval		1.05	0.95	0.90	0.89	0.90	0.86	0.91	0.91	0.95		# of strides	3.97	2.69	2.68			
	velocity	5.08	9.52	10.53	11.11	11.24	11.11	11.63	10.99	10.99	10.53	9.72	45.5	7.56	11.15	11.19				
<b>Conwright, Kaaron (USA) (1976)</b>	time		1.95	3.00	3.96	4.84	5.74	6.64	7.54	8.48	9.39	10.33	10.33	2 / <del>6</del> 5						
	reaction time	interval		1.05	0.96	0.88	0.90	0.90	0.90	0.94	0.91	0.94		# of strides	3.96	2.68	2.75			
	velocity	5.13	9.52	10.42	11.36	11.11	11.11	11.11	10.64	10.99	10.64	9.68	47.5	7.58	11.19	10.91				
<b>Williams, Bernard (USA) (1978)</b>	time		2.00	3.07	3.97	4.89	5.76	6.66	7.56	8.44	9.43	10.36	10.36	7 / <del>7</del> 6						
	reaction time	interval		1.07	0.90	0.92	0.87	0.90	0.90	0.88	0.99	0.93		# of strides	3.97	2.69	2.77			
	velocity	5.00	9.35	11.11	10.87	11.49	11.11	11.11	11.36	10.10	10.75	9.65	48.0	7.56	11.15	10.83				
<b>Scales, Mardy (USA) (1981)</b>	time		1.97	3.03	3.96	4.87	5.77	6.70	7.59	8.49	9.48	10.43	10.43	8 / <del>8</del> 7						
	reaction time	interval		1.06	0.93	0.91	0.90	0.93	0.89	0.90	0.99	0.95		# of strides	3.96	2.74	2.78			
	velocity	5.08	9.43	10.75	10.99	11.11	10.75	11.24	11.11	10.10	10.53	9.59	48.5	7.58	10.95	10.79				

**Semi-Final 2**

		date	23-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			
<b>Gay, Tyson (USA) (1982)</b>	time		1.93	2.98	3.92	4.82	5.69	6.55	7.42	8.31	9.23	10.15	10.15	5 / 1						
	reaction time	interval		1.05	0.94	0.90	0.87	0.86	0.87	0.89	0.92	0.92		# of strides	3.92	2.63	2.68			
	velocity	5.18	9.52	10.64	11.11	11.49	11.63	11.49	11.24	10.87	10.87	9.85	46.0	7.65	11.41	11.19				
<b>Vaden, Jordan (USA) (1978)</b>	time		1.90	2.97	3.90	4.82	5.71	6.59	7.46	8.38	9.33	10.24	10.24	6 / 2						
	reaction time	interval		1.07	0.93	0.92	0.89	0.88	0.87	0.92	0.95	0.91		# of strides	3.90	2.69	2.74			
	velocity	5.26	9.35	10.75	10.87	11.24	11.36	11.49	10.87	10.53	10.99	9.77	46.0	7.69	11.15	10.95				
<b>Smoots, Jason (USA) (1980)</b>	time		1.96	3.04	3.95	4.84	5.72	6.61	7.49	8.39	9.34	10.25	10.25	4 / 3						
	reaction time	interval		1.08	0.91	0.89	0.88	0.89	0.88	0.90	0.95	0.91		# of strides	3.95	2.66	2.73			
	velocity	5.10	9.26	10.99	11.24	11.36	11.24	11.36	11.11	10.53	10.99	9.76	44.5	7.59	11.28	10.99				
<b>Conwright, Kaaron (USA) (1976)</b>	time		1.93	2.97	3.92	4.82	5.72	6.62	7.50	8.42	9.56	10.26	10.26	2 / 4						
	reaction time	interval		1.04	0.95	0.90	0.90	0.90	0.88	0.92	1.14	0.70		# of strides	3.92	2.70	2.94			
	velocity	5.18	9.62	10.53	11.11	11.11	11.11	11.36	10.87	8.77	14.29	9.75	47.5	7.65	11.11	10.20				
<b>Willie, Kelly (USA) (1982)</b>	time		1.95	3.05	3.97	4.87	5.74	6.64	7.52	8.44	9.39	10.32	10.32	7 / 5						
	reaction time	interval		1.10	0.92	0.90	0.87	0.90	0.88	0.92	0.95	0.93		# of strides	3.97	2.67	2.75			
	velocity	5.13	9.09	10.87	11.11	11.49	11.11	11.36	10.87	10.53	10.75	9.69	48.2	7.56	11.24	10.91				
<b>Blanton, DaBryan (USA) (1984)</b>	time		1.97	3.04	3.95	4.86	5.75	6.66	7.59	8.52	9.49	10.43	10.43	8 / 6						
	reaction time	interval		1.07	0.91	0.91	0.89	0.91	0.93	0.93	0.97	0.94		# of strides	3.95	2.71	2.83			
	velocity	5.08	9.35	10.99	10.99	11.24	10.99	10.75	10.75	10.31	10.64	9.59	45.7	7.59	11.07	10.60				
<b>Woods, John (USA) (1982)</b>	time		1.95	3.03	4.00	4.90	5.84	6.74	7.65	8.57	9.53	10.45	10.45	1 / 7						
	reaction time	interval		1.08	0.97	0.90	0.94	0.90	0.91	0.92	0.96	0.92		# of strides	4.00	2.74	2.79			
	velocity	5.13	9.26	10.31	11.11	10.64	11.11	10.99	10.87	10.42	10.87	9.57	48.2	7.50	10.95	10.75				

## Semi-Final 1

	date	23-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
Gatlin, Justin (USA) (1982)	time	1.90	2.92	3.87	4.72	5.61	6.47	7.32	8.19	9.07	9.99	9.99	3 / 4			
	reaction time	interval	1.02	0.95	0.85	0.89	0.86	0.85	0.87	0.88	0.92	<b>DV</b>	# of strides	3.87	2.60	2.60
	velocity	5.26	9.80	10.53	11.76	11.24	11.63	11.76	11.49	11.36	10.87	10.01	42.2	7.75	11.54	11.54
Crawford, Shawn (USA) (1978)	time	1.98	3.04	3.99	4.91	5.79	6.66	7.56	8.44	9.36	10.30	10.30	6 / 2-1			
	reaction time	interval	1.06	0.95	0.92	0.88	0.87	0.90	0.88	0.92	0.94	# of strides	3.99	2.67	2.70	
	velocity	5.05	9.43	10.53	10.87	11.36	11.49	11.11	11.36	10.87	10.64	9.71	46.0	7.52	11.24	11.11
Williams, Bernard (USA) (1978)	time	1.95	3.02	4.04	4.89	5.80	6.67	7.57	8.47	9.39	10.33	10.33	2 / 3-2			
	reaction time	interval	1.07	1.02	0.85	0.91	0.87	0.90	0.90	0.92	0.94	# of strides	4.04	2.63	2.72	
	velocity	5.13	9.35	9.80	11.76	10.99	11.49	11.11	11.11	10.87	10.64	9.68	47.0	7.43	11.41	11.03
Scales, Mardy (USA) (1981)	time	1.94	3.00	3.94	4.86	5.76	6.65	7.54	8.46	9.39	10.34	10.34	1 / 4-3			
	reaction time	interval	1.06	0.94	0.92	0.90	0.89	0.89	0.92	0.93	0.95	# of strides	3.94	2.71	2.74	
	velocity	5.15	9.43	10.64	10.87	11.11	11.24	11.24	10.87	10.75	10.53	9.67	48.0	7.61	11.07	10.95
Omole, Demi (USA) (1985)	time	1.96	2.99	3.92	4.82	5.71	6.64	7.54	8.46	9.43	10.35	10.35	8 / 5-4			
	reaction time	interval	1.03	0.93	0.90	0.89	0.93	0.90	0.92	0.97	0.92	# of strides	3.92	2.72	2.79	
	velocity	5.10	9.71	10.75	11.11	11.24	10.75	11.11	10.87	10.31	10.87	9.66	47.0	7.65	11.03	10.75
Kimmons, Trelle (USA) (1985)	time	1.94	2.97	3.92	4.84	5.72	6.65	7.54	8.47	9.39	10.36	10.36	7 / 6-5			
	reaction time	interval	1.03	0.95	0.92	0.88	0.93	0.89	0.93	0.92	0.97	# of strides	3.92	2.73	2.74	
	velocity	5.15	9.71	10.53	10.87	11.36	10.75	11.24	10.75	10.87	10.31	9.65	47.5	7.65	10.99	10.95
Laynes, Jeff (USA) (1970)	time	1.95	2.99	3.95	4.87	5.76	6.67	7.59	8.51	9.47	10.44	10.44	5 / 7-6			
	reaction time	interval	1.04	0.96	0.92	0.89	0.91	0.92	0.92	0.96	0.97	# of strides	3.95	2.72	2.80	
	velocity	5.13	9.62	10.42	10.87	11.24	10.99	10.87	10.87	10.42	10.31	9.58	45.7	7.59	11.03	10.71

## 2006 USATF National Junior Championships (Indianapolis, IN)

## FINAL

	date	22-Jun-06	wind	1.5 m/s	USATF Women's Sprint Development (2006)											
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place
Perry, Willie (USA) (1987)	time	2.02	3.09	4.01	4.94	5.79	6.66	7.51	8.36	9.24	10.12	10.12	4 / 1			
	reaction time	interval	1.07	0.92	0.93	0.85	0.87	0.85	0.85	0.88	0.88	<b>PB</b>	# of strides	4.01	2.65	2.58
	velocity	4.95	9.35	10.87	10.75	11.76	11.49	11.76	11.76	11.36	11.36	9.88	7.48	11.32	11.63	
McKenzie, Gordon (USA) (1987)	time	1.97	3.02	3.99	4.89	5.76	6.64	7.54	8.44	9.40	10.30	10.30	7 / 2			
	reaction time	interval	1.05	0.97	0.90	0.87	0.88	0.90	0.90	0.96	0.90	<b>PB</b>	# of strides	3.99	2.65	2.76
	velocity	5.08	9.52	10.31	11.11	11.49	11.36	11.11	11.11	10.42	11.11	9.71	7.52	11.32	10.87	
Harris, Odell (USA) (1987)	time	2.00	3.07	4.03	4.96	5.82	6.71	7.61	8.53	9.49	10.40	10.40	5 / 3			
	reaction time	interval	1.07	0.96	0.93	0.86	0.89	0.90	0.92	0.96	0.91	# of strides	4.03	2.68	2.78	
	velocity	5.00	9.35	10.42	10.75	11.63	11.24	11.11	10.87	10.42	10.99	9.62	7.44	11.19	10.79	
Wells, Evander (USA) (1987)	time	2.00	3.04	3.99	4.91	5.79	6.72	7.61	8.54	9.50	10.45	10.45	8 / 4			
	reaction time	interval	1.04	0.95	0.92	0.88	0.93	0.89	0.93	0.96	0.95	# of strides	3.99	2.73	2.78	
	velocity	5.00	9.62	10.53	10.87	11.36	10.75	11.24	10.75	10.42	10.53	9.57	7.52	10.99	10.79	
Myers, Brandon (USA) (1987)	time	2.00	3.07	4.04	4.96	5.89	6.76	7.66	8.56	9.51	10.46	10.46	1 / 5			
	reaction time	interval	1.07	0.97	0.92	0.93	0.87	0.90	0.90	0.95	0.95	<b>PB</b>	# of strides	4.04	2.72	2.75
	velocity	5.00	9.35	10.31	10.87	10.75	11.49	11.11	11.11	10.53	10.53	9.56	7.43	11.03	10.91	
Wims, Scott (USA) (1988)	time	2.01	3.10	4.06	4.99	5.89	6.79	7.71	8.61	9.54	10.46	10.46	2 / 6			
	reaction time	interval	1.09	0.96	0.93	0.90	0.90	0.92	0.90	0.93	0.92	# of strides	4.06	2.73	2.75	
	velocity	4.98	9.17	10.42	10.75	11.11	11.11	10.87	11.11	10.75	10.87	9.56	7.39	10.99	10.91	
Worsley, Dominique (USA) (1987)	time	2.04	3.10	4.10	5.04	5.96	6.86	7.75	8.64	9.62	10.58	10.58	6 / 7			
	reaction time	interval	1.06	1.00	0.94	0.92	0.90	0.89	0.89	0.98	0.96	# of strides	4.10	2.76	2.76	
	velocity	4.90	9.43	10.00	10.64	10.87	11.11	11.24	11.24	10.20	10.42	9.45	7.32	10.87	10.87	
Samuels, J-Mee (USA) (1987)	time	1.97	3.00	3.95	4.87	5.76	6.66	7.57	8.55	9.69	11.01	11.01	3 / 8			
	reaction time	interval	1.03	0.95	0.92	0.89	0.90	0.91	0.98	1.14	1.32	# of strides	3.95	2.71	3.03	
	velocity	5.08	9.71	10.53	10.87	11.24	11.11	10.99	10.20	8.77	7.58	9.08	7.59	11.07	9.90	

## 2006 Norwich Union (Gateshead, GBR)

## FINAL

	date	11-Jun-06	wind	1.5 m/s	Brito (2007) - 100m stats, you may be interested (www.elitetrack.com/forums)												
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m
Powell, Asafa (JAM) (1982)	time	1.86	2.88	3.81	4.68	5.53	6.37	7.21	8.06	8.91	9.77	9.77	4 / 1				
	reaction time	0.145	interval	1.02	0.93	0.87	0.85	0.84	0.84	0.85	0.85	0.86	<b>=WR</b>	# of strides	3.81	2.56	2.54
	velocity	5.38	9.80	10.75	11.49	11.76	11.90	11.90	11.76	11.76	11.63	10.24	45.0	7.87	11.72	11.81	

## 2006 Qatar Super Grand Prix (Doha, QAT)

## FINAL

	date	12-May-06	wind	1.7 m/s	Brito (2007) - 100m stats, you may be interested (www.elitetrack.com/forums) Kuitunen (2006) - justin gatlin wr 9.77 - race analysis - short report											
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place

<b>Gatlin, Justin (USA) (1982)</b>	time	1.93	2.98	3.89	4.74	5.58	6.39	7.21	8.07	8.91	9.77	9.77	/ 1	<i>Kuitunen (2006)</i>
reaction time	interval		1.05	0.91	0.85	0.84	0.81	0.82	0.86	0.84	0.86	<del>WR</del> DV	# of strides	3.89 2.50 2.52
	velocity	5.18	9.52	10.99	11.76	11.90	12.35	12.20	11.63	11.90	11.63	10.24	41.6	7.71 12.00 11.90
<b>Fasuba, Oluji (NGR) (1984)</b>	time	1.83	2.85	3.79	4.65	5.50	6.35	7.21	8.08	8.96	9.85	9.85	/ 2 1	<i>Brito (2007)</i>
reaction time 0.158	interval		1.02	0.94	0.86	0.85	0.85	0.86	0.87	0.88	0.89	AR	# of strides	3.79 2.56 2.61
	velocity	5.46	9.80	10.64	11.63	11.76	11.63	11.49	11.36	11.24	10.15		45.7	7.92 11.72 11.49

**2006 Osaka Grand Prix (Osaka, JPN)****FINAL**

	date	06-May-06	wind	-0.1 m/s	<i>Akirabun (2007) - speed analysis of the 100m and hurdles with a laser system</i>									
<b>Gatlin, Justin (USA) (1982)</b>	time	1.93	2.95	3.88	4.77	5.63	6.49	7.35	8.21	9.07	9.95	9.95	/ 1	
reaction time	interval		1.02	0.93	0.89	0.86	0.86	0.86	0.86	0.86	0.88	DV	# of strides	3.88 2.61 2.58
	velocity	5.18	9.80	10.75	11.24	11.63	11.63	11.63	11.63	11.63	11.36	10.05		7.73 11.49 11.63
<b>Brunson, Marcus (USA) (1978)</b>	time	1.97	3.00	3.93	4.82	5.69	6.56	7.44	8.32	9.21	10.12	10.12	/ 2 1	
reaction time	interval		1.03	0.93	0.89	0.87	0.87	0.88	0.88	0.89	0.91		# of strides	3.93 2.63 2.65
	velocity	5.08	9.71	10.75	11.24	11.49	11.49	11.36	11.36	11.24	10.99	9.88		7.63 11.41 11.32
<b>Suetsugu, Shingo (JPN) (1980)</b>	time	1.97	3.02	3.96	4.87	5.76	6.64	7.53	8.42	9.34	10.26	10.26	/ 3 2	
reaction time	interval		1.05	0.94	0.91	0.89	0.88	0.89	0.89	0.92	0.92		# of strides	3.96 2.68 2.70
	velocity	5.08	9.52	10.64	10.99	11.24	11.36	11.24	11.24	10.87	10.87	9.75		7.58 11.19 11.11

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

	date	07-Aug-05	wind	0.4 m/s	<i>Graubner (2005) - wettkampfanalytische untersuchung der sprintleistungsfähigkeit</i>											
<b>Gatlin, Justin (USA) (1982)</b>	time	0.157	no information available										9.88	5 / 1	# of strides	42.0
<b>Frater, Michael (JAM) (1982)</b>	time	0.141	no information available										10.05	4 / 2	# of strides	49.0
<b>Collins, Kim (SKN) (1976)</b>	time	0.146	no information available										10.05	2 / 3	# of strides	48.0
<b>Obikwelu, Francis (POR) (1978)</b>	time	0.134	no information available										10.07	8 / 4	# of strides	42.2
<b>Thomas, Dwight (JAM) (1980)</b>	time	0.138	no information available										10.09	7 / 5	# of strides	44.7
<b>Scott, Leonard (USA) (1980)</b>	time	0.123	no information available										10.13	3 / 6	# of strides	47.0
<b>Burn, Marc (TTO) (1983)</b>	time	0.165	no information available										10.14	1 / 7	# of strides	43.2
<b>Zakari, Aziz (GHA) (1976)</b>	time	0.131	no information available										10.20	6 / 8	# of strides	46.0

**2005 European U23 Championships (Erfurt, GER)****FINAL**

	date	16-Jul-05	wind	2.4 m/s	<i>Graubner (2005) - wettkampfanalytische untersuchung der sprintleistungsfähigkeit</i>									
<b>Wieser, Stefan (GER) (1984)</b>	time		3.03	4.00	4.92	6.71	8.49	10.32	10.32	10.32	10.32	10.32	2 / 3	
reaction time 0.153	interval		0.97	0.92	1.79	1.78	1.83	1.83	1.83	1.83	1.83		# of strides	4.00 2.71
	velocity		6.60	10.31	10.87	11.17	11.24	10.93	9.69	9.69	9.69			7.50 11.07

**Heat 1**

	date	14-Jul-05	wind	-0.9 m/s	<i>Graubner (2005) - wettkampfanalytische untersuchung der sprintleistungsfähigkeit</i>									
<b>Wieser, Stefan (GER) (1984)</b>	time		3.05	4.04	4.98	6.71	8.63	10.52	10.52	10.52	10.52	10.52	6 / 3	
reaction time 0.139	interval		0.99	0.94	1.73	1.92	1.89	1.89	1.89	1.89	1.89		# of strides	4.04 2.67
	velocity		6.56	10.10	10.64	11.56	10.42	10.58	9.51	9.51	9.51			7.43 11.24

**2005 USATF National Championship (Carson, CA)****FINAL**

	date	25-Jun-05	wind	-2.3 m/s	<i>USATF Women's Sprint Development (2005)</i>									
<b>Gatlin, Justin (USA) (1982)</b>	time	1.97	3.02	3.95	4.84	5.72	6.58	7.43	8.33	9.22	10.08	10.08	7 / 1	
reaction time	interval		1.05	0.93	0.89	0.88	0.86	0.85	0.90	0.89	0.86		# of strides	3.95 2.63 2.64
	velocity	5.08	9.52	10.75	11.24	11.36	11.63	11.76	11.11	11.24	11.63	9.92	43.0	7.59 11.41 11.36
<b>Crawford, Shawn (USA) (1978)</b>	time	1.97	3.02	3.99	4.88	5.77	6.66	7.51	8.41	9.29	10.17	10.17	5 / 2	
reaction time	interval		1.05	0.97	0.89	0.89	0.89	0.85	0.90	0.88	0.88		# of strides	3.99 2.67 2.63
	velocity	5.08	9.52	10.31	11.24	11.24	11.24	11.76	11.11	11.36	11.36	9.83	47.5	7.52 11.24 11.41
<b>Scott, Leonard (USA) (1980)</b>	time	1.90	2.92	3.82	4.74	5.62	6.49	7.37	8.31	9.23	10.18	10.18	4 / 3	
reaction time	interval		1.02	0.90	0.92	0.88	0.87	0.88	0.94	0.92	0.95		# of strides	3.82 2.67 2.74
	velocity	5.26	9.80	11.11	10.87	11.36	11.49	11.36	10.64	10.87	10.53	9.82	47.0	7.85 11.24 10.95
<b>Dix, Walter (USA) (1986)</b>	time	1.96	3.04	3.99	4.91	5.81	6.69	7.57	8.49	9.38	10.29	10.29	2 / 4	
reaction time	interval		1.08	0.95	0.92	0.90	0.88	0.88	0.92	0.89	0.91		# of strides	3.99 2.70 2.69
	velocity	5.10	9.26	10.53	10.87	11.11	11.36	11.36	10.87	11.24	10.99	9.72	50.0	7.52 11.11 11.15
<b>Jelks, Mark (USA) (1984)</b>	time	1.91	2.98	3.94	4.87	5.79	6.69	7.56	8.49	9.40	10.32	10.32	3 / 5	
reaction time	interval		1.07	0.96	0.93	0.92	0.90	0.87	0.93	0.91	0.92		# of strides	3.94 2.75 2.71
	velocity	5.24	9.35	10.42	10.75	10.87	11.11	11.49	10.75	10.99	10.87	9.69	46.2	7.61 10.91 11.07
<b>Edwards, Monzavous (Rae) (USA)</b>	time	2.00	3.07	4.02	4.94	5.84	6.75	7.62	8.54	9.43	10.35	10.35	9 / 6	
reaction time	interval		1.07	0.95	0.92	0.90	0.91	0.87	0.92	0.89	0.92		# of strides	4.02 2.73 2.68
	velocity	5.00	9.35	10.53	10.87	11.11	10.99	11.49	10.87	11.24	10.87	9.66	45.0	7.46 10.99 11.19

<b>Scales, Mardy (USA) (1981)</b>	time	1.91	2.99	3.94	4.85	5.74	6.66	7.56	8.47	9.41	10.36	10.36	1 / 7			
	reaction time	interval	1.08	0.95	0.91	0.89	0.92	0.90	0.91	0.94	0.95		# of strides	3.94	2.72	2.75
	velocity	5.24	9.26	10.53	10.99	11.24	10.87	11.11	10.99	10.64	10.53	9.65	49.5	7.61	11.03	10.91
<b>Blanton, DaBryan (USA) (1984)</b>	time	2.00	3.04	3.98	4.92	5.84	6.74	7.64	8.57	9.51	10.46	10.46	8 / 8			
	reaction time	interval	1.04	0.94	0.94	0.92	0.90	0.90	0.93	0.94	0.95		# of strides	3.98	2.76	2.77
	velocity	5.00	9.62	10.64	10.64	10.87	11.11	11.11	10.75	10.64	10.53	9.56	45.7	7.54	10.87	10.83
<b>Greene, Maurice (USA) (1974)</b>	time	1.95	3.00	3.90	4.82	5.68	6.57	7.54				dnf	6 / --			
	reaction time	interval	1.05	0.90	0.92	0.86	0.89	0.97					# of strides	3.90	2.67	
	velocity	5.13	9.52	11.11	10.87	11.63	11.24	10.31					7.69	11.24		

### 2005 USATF National Junior Championships (Carson, CA)

#### FINAL

	date	23-Jun-05	wind	-0.4 m/s																
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
<b>Samuels, J-Mee (USA) (1987)</b>	time	1.97	3.02	3.99	4.94	5.85	6.77	7.70	8.64	9.61	10.58	10.58	4 / 1							
	reaction time	interval	1.05	0.97	0.95	0.91	0.92	0.93	0.94	0.97	0.97		# of strides	3.99	2.78	2.84				
	velocity	5.08	9.52	10.31	10.53	10.99	10.87	10.75	10.64	10.31	10.31	9.45	7.52	10.79	10.56					
<b>Osaisai, Wopamo (USA) (1986)</b>	time		3.04	4.06	4.96	5.93	6.84	7.74	8.69	9.64	10.58	10.58	8 / 2							
	reaction time	interval	1.02	0.90	0.97	0.91	0.90	0.95	0.95	0.94		# of strides	4.06	2.78	2.80					
	velocity	6.58	9.80	11.11	10.31	10.99	11.11	10.53	10.53	10.64		9.45	7.39	10.79	10.71					
<b>Pritchett, Matthieu (USA) (1986)</b>	time	1.95	3.04	4.06	5.02	5.94	6.85	7.78	8.73	9.66	10.63	10.63	5 / 3							
	reaction time	interval	1.09	1.02	0.96	0.92	0.91	0.93	0.95	0.93	0.97		# of strides	4.06	2.79	2.81				
	velocity	5.13	9.17	9.80	10.42	10.87	10.99	10.75	10.53	10.75	10.31	9.41	7.39	10.75	10.68					
<b>Rashad, Ahmad (USA) (1987)</b>	time	1.98	3.12	4.09	5.05	5.97	6.90	7.80	8.74	9.69	10.67	10.67	6 / 4							
	reaction time	interval	1.14	0.97	0.96	0.92	0.93	0.90	0.94	0.95	0.98		# of strides	4.09	2.81	2.79				
	velocity	5.05	8.77	10.31	10.42	10.87	10.75	11.11	10.64	10.53	10.20	9.37	7.33	10.68	10.75					
<b>Wims, Jerod (USA) (1988)</b>	time	1.92	3.07	4.06	5.05	5.98	6.89	7.81	8.79	9.74	10.71	10.71	3 / 5							
	reaction time	interval	1.15	0.99	0.99	0.93	0.91	0.92	0.98	0.95	0.97		# of strides	4.06	2.83	2.85				
	velocity	5.21	8.70	10.10	10.10	10.75	10.99	10.87	10.20	10.53	10.31	9.34	7.39	10.60	10.53					
<b>Smith, Tremaine (USA) (1986)</b>	time	2.04	3.12	4.14	5.07	6.02	6.96	7.89	8.84	9.78	10.78	10.78	1 / 6							
	reaction time	interval	1.08	1.02	0.93	0.95	0.94	0.93	0.95	0.94	1.00		# of strides	4.14	2.82	2.82				
	velocity	4.90	9.26	9.80	10.75	10.53	10.64	10.75	10.53	10.64	10.00	9.28	7.25	10.64	10.64					
<b>Harris, Cedric (USA) (1986)</b>	time	2.00	3.10	4.06	5.03	5.96	6.89	7.81	8.81	9.83	10.83	10.83	2 / 7							
	reaction time	interval	1.10	0.96	0.97	0.93	0.93	0.92	1.00	1.02	1.00		# of strides	4.06	2.83	2.94				
	velocity	5.00	9.09	10.42	10.31	10.75	10.75	10.87	10.00	9.80	10.00	9.23	7.39	10.60	10.20					
<b>Island, Cameron (USA) (1986)</b>	time		3.14	4.12	5.12	6.07	7.05	7.98	8.96	9.98	10.97	10.97	9 / 8							
	reaction time	interval	0.98	1.00	0.95	0.98	0.93	0.98	1.02	0.99		# of strides	4.12	2.93	2.93					
	velocity	6.37	10.20	10.00	10.53	10.20	10.75	10.20	9.80	10.10		9.12	7.28	10.24	10.24					
<b>McDaniel, Otis (USA) (1986)</b>	time	2.05	3.16	4.19	5.17	6.16	7.11	8.03	9.00	10.03	11.11	11.11	7 / 9							
	reaction time	interval	1.11	1.03	0.98	0.99	0.95	0.92	0.97	1.03	1.08		# of strides	4.19	2.92	2.92				
	velocity	4.88	9.01	9.71	10.20	10.10	10.53	10.87	10.31	9.71	9.26	9.00	7.16	10.27	10.27					

### 2005 Tsikliria Super Grand Prix (Athens, GRE)

#### FINAL

	date	14-Jun-05	wind	1.6 m/s																
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
<b>Powell, Asafa (JAM) (1982)</b>	time	1.89	2.91	3.83	4.69	5.54	6.39	7.23	8.07	8.92	9.77	9.77	5 / 1							
	reaction time	0.150	interval	1.02	0.92	0.86	0.85	0.85	0.84	0.84	0.85	0.85	WR	# of strides	3.83	2.56	2.53			
	velocity	5.29	9.80	10.87	11.63	11.76	11.76	11.90	11.90	11.76	11.76	10.24	45.4	7.83	11.72	11.86				

### 2005 Jamaica Invitational (Kingston, JAM)

#### FINAL

	date	07-May-05	wind	1.8 m/s																
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m			
<b>Powell, Asafa (JAM) (1982)</b>	time			3.84				6.41		8.10		9.84	9.84	/ 1						
	reaction time	0.174	interval					2.57		1.69		1.74	AR	# of strides	3.84	2.57				
	velocity			7.81				11.67		11.83		11.49	10.16	44.7	7.81	11.67				

### 2004 Olympic Games (Athens, GRE)

#### FINAL

	date	22-Aug-04	wind	0.6 m/s																	
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m				
<b>Gatlin, Justin (USA) (1982)</b>	time	1.87	2.90			5.56	6.41	7.27		8.98	9.85	9.85	3 / 1								
	reaction time	0.188	interval	1.03		2.66	0.85	0.86		1.71	0.87	PB	# of strides							2.57	
	velocity	5.35	9.71			11.28	11.76	11.63		11.70	11.49	10.15	42.0								11.67
<b>Obikwelu, Francis (POR) (1978)</b>	time	1.90	2.93			5.60	6.44	7.29		9.00	9.86	9.86	5 / 2								
	reaction time	0.163	interval	1.03		2.67	0.84	0.85		1.71	0.86	AR	# of strides								2.56
	velocity	5.26	9.71			11.24	11.90	11.76		11.70	11.63	10.14	43.6								11.72

<b>Greene, Maurice (USA) (1974)</b>	time	1.88	2.92	5.60	6.44	7.29	9.01	9.87	9.87	7 / 3					
reaction time	0.151	interval	1.04	2.68	0.84	0.85	1.72	0.86		# of strides	2.57				
	velocity	5.32	9.62	11.19	11.90	11.76	11.63	11.63	10.13	46.5	11.67				
<b>Crawford, Shawn (USA) (1978)</b>	time	1.89	2.93	5.61	6.45	7.29	9.01	9.89	9.89	4 / 4					
reaction time	0.161	interval	1.04	2.68	0.84	0.84	1.72	0.88		# of strides	2.56				
	velocity	5.29	9.62	11.19	11.90	11.90	11.63	11.36	10.11	47.0	11.72				
<b>Powell, Asafa (JAM) (1982)</b>	time	1.88	2.92	5.60	6.46	7.31	9.05	9.94	9.94	6 / 5					
reaction time	0.166	interval	1.04	2.68	0.86	0.85	1.74	0.89		# of strides	2.59				
	velocity	5.32	9.62	11.19	11.63	11.76	11.49	11.24	10.06	44.5	11.58				
<b>Collins, Kim (SKN) (1976)</b>	time	1.85	2.89	5.58	6.44	7.32	9.09	10.00	10.00	1 / 6					
reaction time	0.175	interval	1.04	2.69	0.86	0.88	1.77	0.91		# of strides	2.65				
	velocity	5.41	9.62	11.15	11.63	11.36	11.30	10.99	10.00	47.5	11.32				
<b>Thompson, Obadele (BA)</b>	0.164	no information available								10.10	8 / 7	# of strides	44.2		
<b>Zakari, Aziz (GHA) (1976)</b>	0.178	no information available								dnf	2 / --				

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

**FINAL**

	date	11-Jul-04	wind	0.0 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
<b>Greene, Maurice (USA) (1974)</b>	time	1.94	2.92	3.87	4.74	5.61	6.47	7.31	8.17	9.02	9.91	9.91	3 / 1				
reaction time	0.126	interval	0.98	0.95	0.87	0.87	0.86	0.84	0.86	0.85	0.89		# of strides	3.87	2.60	2.55	
	velocity	5.15	10.20	10.53	11.49	11.49	11.63	11.90	11.63	11.76	11.24	10.09	47.0	7.75	11.54	11.76	
<b>Gatlin, Justin (USA) (1982)</b>	time	1.94	2.94	3.87	4.75	5.60	6.47	7.32	8.17	9.04	9.92	9.92	5 / 2				
reaction time	0.157	interval	1.00	0.93	0.88	0.85	0.87	0.85	0.85	0.87	0.88	<b>PB</b>	# of strides	3.87	2.60	2.57	
	velocity	5.15	10.00	10.75	11.36	11.76	11.49	11.76	11.76	11.49	11.36	10.08	42.0	7.75	11.54	11.67	
<b>Crawford, Shawn (USA) (1978)</b>	time	1.95	3.00	3.91	4.78	5.63	6.49	7.34	8.19	9.05	9.93	9.93	6 / 3				
reaction time	0.179	interval	1.05	0.91	0.87	0.85	0.86	0.85	0.85	0.86	0.88		# of strides	3.91	2.58	2.56	
	velocity	5.13	9.52	10.99	11.49	11.76	11.63	11.76	11.76	11.63	11.36	10.07	47.0	7.67	11.63	11.72	
<b>Miller, Coby (USA) (1976)</b>	time	1.96	2.97	3.90	4.78	5.62	6.50	7.35	8.20	9.08	9.99	9.99	7 / 4				
reaction time	0.152	interval	1.01	0.93	0.88	0.84	0.88	0.85	0.85	0.88	0.91		# of strides	3.90	2.60	2.58	
	velocity	5.10	9.90	10.75	11.36	11.90	11.36	11.76	11.76	11.36	10.99	10.01	46.5	7.69	11.54	11.63	
<b>Capel, John (USA) (1978)</b>	time	1.95	2.94	3.87	4.77	5.62	6.50	7.37	8.24	9.11	10.02	10.02	4 / 5				
reaction time	0.146	interval	0.99	0.93	0.90	0.85	0.88	0.87	0.87	0.87	0.91		# of strides	3.87	2.63	2.61	
	velocity	5.13	10.10	10.75	11.11	11.76	11.36	11.49	11.49	11.49	10.99	9.98	46.7	7.75	11.41	11.49	
<b>Williams, Bernard (USA) (1978)</b>	time	1.90	2.95	3.88	4.77	5.62	6.50	7.36	8.22	9.12	10.04	10.04	2 / 6				
reaction time	0.129	interval	1.05	0.93	0.89	0.85	0.88	0.86	0.86	0.90	0.92		# of strides	3.88	2.62	2.62	
	velocity	5.26	9.52	10.75	11.24	11.76	11.36	11.63	11.63	11.11	10.87	9.96	47.0	7.73	11.45	11.45	
<b>Montgomery, Tim (USA) (1975)</b>	time	1.98	3.00	3.97	4.84	5.71	6.61	7.45	8.32	9.21	10.13	10.13	1 / <del>7</del>				
reaction time	0.188	interval	1.02	0.97	0.87	0.87	0.90	0.84	0.87	0.89	0.92	<b>DV</b>	# of strides	3.97	2.64	2.60	
	velocity	5.05	9.80	10.31	11.49	11.49	11.11	11.90	11.49	11.24	10.87	9.87	48.0	7.56	11.36	11.54	
<b>Scott, Leonard (USA) (1980)</b>	time	1.98	3.00	3.93	4.83	5.70	6.62	7.49	8.40	9.34	10.35	10.35	8 / <del>7</del>				
reaction time	0.177	interval	1.02	0.93	0.90	0.87	0.92	0.87	0.91	0.94	1.01		# of strides	3.93	2.69	2.72	
	velocity	5.05	9.80	10.75	11.11	11.49	10.87	11.49	10.99	10.64	9.90	9.66	47.0	7.63	11.15	11.03	

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

**FINAL**

	date	25-Aug-03	wind	0.0 m/s								USATF Women's Sprint Development (2003)				
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m
<b>Collins, Kim (SKN) (1976)</b>	0.148	no information available								10.07	1 / 1					
<b>Brown, Darrel (TTO) (1984)</b>	0.152	no information available								10.08	4 / 2					
<b>Campbell, Darren (GBR) (1973)</b>	0.112	no information available								10.08	7 / 3					
<b>Chambers, Dwain (GBR) (1978)</b>	0.145	no information available								<b>DV</b>	10.08	5 / <del>4</del>				
<b>Montgomery, Tim (USA) (1975)</b>	0.140	no information available								<b>DV</b>	10.11	6 / <del>5</del>				
<b>Williams, Bernard (USA) (1978)</b>	0.133	no information available								10.13	3 / <del>6</del> 4					
<b>Aliu, Deji (NGR) (1975)</b>	0.132	no information available								10.21	2 / <del>7</del> 5					
<b>Emedolu, Uchenna (NGR) (1976)</b>	0.164	no information available								10.22	8 / <del>8</del> 6					

**2003 USATF National Junior Championship (Palo Alto, CA)**

**FINAL**

	date	22-Jun-03	wind	0.0 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
<b>Moore, Carlos (USA) (1984)</b>	time	1.98	3.00	3.97	4.91	5.81	6.70	7.59	8.54	9.45	10.38	10.38	4 / 1				
reaction time		interval	1.02	0.97	0.94	0.90	0.89	0.89	0.95	0.91	0.93		# of strides	3.97	2.73	2.75	
		velocity	5.05	9.80	10.31	10.64	11.11	11.24	11.24	10.53	10.99	9.63		7.56	10.99	10.91	
<b>O'Neal, Kenny (USA) (1986)</b>	time	2.00	3.07	4.05	4.96	5.87	6.74	7.62	8.56	9.49	10.40	10.40	3 / 2				
reaction time		interval	1.07	0.98	0.91	0.91	0.87	0.88	0.94	0.93	0.91		# of strides	4.05	2.69	2.75	
		velocity	5.00	9.35	10.20	10.99	10.99	11.49	11.36	10.64	10.75	9.62		7.41	11.15	10.91	

<b>Hordge, Willie (USA) (1984)</b>	time	2.02	3.10	4.07	5.04	5.93	6.82	7.72	8.64	9.57	10.48	10.48	7 / 3			
	reaction time	interval	1.08	0.97	0.97	0.89	0.89	0.90	0.92	0.93	0.91		# of strides	4.07	2.75	2.75
	velocity	4.95	9.26	10.31	10.31	11.24	11.24	11.11	10.87	10.75	10.99	9.54		7.37	10.91	10.91
<b>Parker, Earvin (USA) (1984)</b>	time	1.93	3.08	4.07	5.00	5.92	6.84	7.72	8.64	9.54	10.48	10.48	5 / 4			
	reaction time	interval	1.15	0.99	0.93	0.92	0.92	0.88	0.92	0.90	0.94		# of strides	4.07	2.77	2.70
	velocity	5.18	8.70	10.10	10.75	10.87	10.87	11.36	10.87	11.11	10.64	9.54		7.37	10.83	11.11
<b>Jones, Garry (USA) (1984)</b>	time	2.00	3.07	4.05	4.97	5.91	6.81	7.72	8.67	9.63	10.60	10.60	6 / 5			
	reaction time	interval	1.07	0.98	0.92	0.94	0.90	0.91	0.95	0.96	0.97		# of strides	4.05	2.76	2.82
	velocity	5.00	9.35	10.20	10.87	10.64	11.11	10.99	10.53	10.42	10.31	9.43		7.41	10.87	10.64
<b>Watson, Jerald (USA) (1985)</b>	time	2.00	3.12	4.10	5.04	5.97	6.91	7.81	8.77	9.74	10.72	10.72	1 / 6			
	reaction time	interval	1.12	0.98	0.94	0.93	0.94	0.90	0.96	0.97	0.98		# of strides	4.10	2.81	2.83
	velocity	5.00	8.93	10.20	10.64	10.75	10.64	11.11	10.42	10.31	10.20	9.33		7.32	10.68	10.60
<b>Mathis, Jerry (USA)</b>	time	2.04	3.22	4.24	5.21	6.14	7.04	7.96	8.89	9.83	10.78	10.78	9 / 7			
	reaction time	interval	1.18	1.02	0.97	0.93	0.90	0.92	0.93	0.94	0.95		# of strides	4.24	2.80	2.79
	velocity	4.90	8.47	9.80	10.31	10.75	11.11	10.87	10.75	10.64	10.53	9.28		7.08	10.71	10.75
<b>Hill, Ronald (USA) (1984)</b>	time	2.02	3.12	4.15	5.12	6.04	6.99	7.92	8.89	9.84	10.83	10.83	8 / 8			
	reaction time	interval	1.10	1.03	0.97	0.92	0.95	0.93	0.97	0.95	0.99		# of strides	4.15	2.84	2.85
	velocity	4.95	9.09	9.71	10.31	10.87	10.53	10.75	10.31	10.53	10.10	9.23		7.23	10.56	10.53
<b>Smith, Paul (USA) (1984)</b>	time	2.02	3.12	4.14	5.09	6.04	6.99	7.93	8.88	9.88	10.84	10.84	2 / 9			
	reaction time	interval	1.10	1.02	0.95	0.95	0.95	0.94	0.95	1.00	0.96		# of strides	4.14	2.85	2.89
	velocity	4.95	9.09	9.80	10.53	10.53	10.53	10.64	10.53	10.00	10.42	9.23		7.25	10.53	10.38

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

date 20-Jun-03 wind 1.6 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
<b>Williams, Bernard (USA) (1978)</b>	time	1.94	2.98	3.95	4.84	5.72	6.56	7.42	8.31	9.19	10.11	10.11	3 / 1			
	reaction time	interval	1.04	0.97	0.89	0.88	0.84	0.86	0.89	0.88	0.92		# of strides	3.95	2.61	2.63
	velocity	5.15	9.62	10.31	11.24	11.36	11.90	11.63	11.24	11.36	10.87	9.89		7.59	11.49	11.41
<b>Montgomery, Tim (USA) (1975)</b>	time	1.97	3.07	4.02	4.92	5.81	6.67	7.52	8.41	9.28	10.15	10.15	6 / <del>2</del>			
	reaction time	interval	1.10	0.95	0.90	0.89	0.86	0.85	0.89	0.87	0.87	DV	# of strides	4.02	2.65	2.61
	velocity	5.08	9.09	10.53	11.11	11.24	11.63	11.76	11.24	11.49	11.49	9.85		7.46	11.32	11.49
<b>Drummond, Jon (USA) (1968)</b>	time	1.89	2.95	3.92	4.82	5.72	6.61	7.46	8.37	9.29	10.18	10.18	7 / <del>2</del>			
	reaction time	interval	1.06	0.97	0.90	0.90	0.89	0.85	0.91	0.92	0.89		# of strides	3.92	2.69	2.68
	velocity	5.29	9.43	10.31	11.11	11.11	11.24	11.76	10.99	10.87	11.24	9.82		7.65	11.15	11.19
<b>Miller, Coby (USA) (1976)</b>		no information available										10.23	8 / <del>4</del> 3			
<b>Johnson, Joshua J. (USA)</b>	time	2.05	3.12	4.09	5.00	5.87	6.74	7.60	8.48	9.36	10.24	10.24	5 / <del>5</del> 4			
	reaction time	interval	1.07	0.97	0.91	0.87	0.87	0.86	0.88	0.88	0.88		# of strides	4.09	2.65	2.62
	velocity	4.88	9.35	10.31	10.99	11.49	11.49	11.63	11.36	11.36	11.36	9.77		7.33	11.32	11.45
<b>Edwards, Monzavous (Rae) (USA)</b>	time	2.00	3.07	4.04	4.95	5.84	6.69	7.55	8.43	9.32	10.25	10.25	4 / <del>6</del> 5			
	reaction time	interval	1.07	0.97	0.91	0.89	0.85	0.86	0.88	0.89	0.93		# of strides	4.04	2.65	2.63
	velocity	5.00	9.35	10.31	10.99	11.24	11.76	11.63	11.36	11.24	10.75	9.76		7.43	11.32	11.41
<b>Scales, Mardy (USA) (1981)</b>	time	1.92	3.07	4.00	4.89	5.82	6.69	7.60	8.50	9.42	10.32	10.32	1 / <del>7</del> 6			
	reaction time	interval	1.15	0.93	0.89	0.93	0.87	0.91	0.90	0.92	0.90		# of strides	4.00	2.69	2.73
	velocity	5.21	8.70	10.75	11.24	10.75	11.49	10.99	11.11	10.87	11.11	9.69		7.50	11.15	10.99
<b>Armstrong, Aaron (USA) (1977)</b>	time	1.99	3.10	4.12	5.07	5.99	6.87	7.77			10.56	10.56	2 / <del>8</del> 7			
	reaction time	interval	1.11	1.02	0.95	0.92	0.88	0.90			2.79		# of strides	4.12	2.75	
	velocity	5.03	9.01	9.80	10.53	10.87	11.36	11.11			10.75	9.47		7.28	10.91	

**2002 IAAF Grand Prix Final (Paris, FRA)****FINAL**

date 14-Sep-02 wind 2.0 m/s

Brito (2007) - 100m stats, you may be interested ([www.elitetrack.com/forums](http://www.elitetrack.com/forums))Lee (2008) - Usain Bolt 100m 10 meter Splits and Speed Endurance ([SpeedEndurance.com](http://SpeedEndurance.com))

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Montgomery, Tim (USA) (1975)</b>	time	1.89	2.92	3.83	4.70	5.54	6.37	7.21	8.05	8.90	9.78	9.78	1 / <del>4</del>			
	reaction time 0.104	interval	1.03	0.91	0.87	0.84	0.83	0.84	0.84	0.85	0.88	WR-DV	# of strides	3.83	2.54	2.53
	velocity	5.29	9.71	10.99	11.49	11.90	12.05	11.90	11.90	11.76	11.36	10.22		49.0	7.83	11.81
<b>Chambers, Dwain (GBR) (1978)</b>	time	1.89	2.92	3.84	4.72	5.57	6.41	7.26	8.11	8.98	9.87	9.87	1 / <del>2</del>			
	reaction time 0.140	interval	1.03	0.92	0.88	0.85	0.84	0.85	0.85	0.87	0.89	DV	# of strides	3.84	2.57	2.57
	velocity	5.29	9.71	10.87	11.36	11.76	11.90	11.76	11.76	11.49	11.24	10.13		7.81	11.67	11.67
<b>Drummond, Jon (USA) (1968)</b>	time	1.89	2.91	3.84	4.73	5.60	6.44	7.30	8.17	9.07	9.97	9.97	1 / <del>3</del> 1			
	reaction time 0.131	interval	1.02	0.93	0.89	0.87	0.84	0.86	0.87	0.90	0.90		# of strides	3.84	2.60	2.63
	velocity	5.29	9.80	10.75	11.24	11.49	11.90	11.63	11.49	11.11	11.11	10.03		7.81	11.54	11.41



<b>Collins, Kim (SKN) (1976)</b>	time	1.94	2.96		5.64	6.48	7.34	8.21	9.09	9.98	9.98		/ <del>4</del> 2			<i>Brito (2007)</i>
	reaction time	0.158	interval	1.02		2.68	0.84	0.86	0.87	0.88	0.89	<b>=NR</b>	# of strides			2.61
	velocity		5.15	9.80		11.19	11.90	11.63	11.49	11.36	11.24	10.02				11.49
<b>Obikwelu, Francis (POR) (1978)</b>	0.200	no information available										10.03	8 / <del>5</del> 4			
<b>Williams, Bernard (USA) (1978)</b>	0.180	no information available										10.05	7 / <del>6</del> 5			
<b>Zakari, Aziz (GHA) (1976)</b>	0.163	no information available										10.20	2 / <del>7</del> 6			
<b>Miller, Coby (USA) (1976)</b>	0.197	no information available										10.21	1 / <del>8</del> 7			

## 2002 European Championships (Munich, GER)

## FINAL

		date	07-Aug-02		wind		-0.3 m/s														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m						
<b>Chambers, Dwain (GBR) (1978)</b>	time			2.94	3.87	4.75		6.47		8.20		9.96	9.96	/ <del>4</del> 1									
	reaction time	0.129	interval		0.93	0.88		1.72		1.73		1.76	<b>=CR</b> <b>=DV</b>	# of strides	3.87	2.60							
	velocity		6.80	10.75	11.36		11.63		11.56		11.36	10.04		45.3	7.75	11.54							
<b>Obikwelu, Francis (POR) (1978)</b>	time			2.96	3.90	4.80		6.54		8.29		10.06	10.06	/ <del>2</del> 1									
	reaction time	0.158	interval		0.94	0.90		1.74		1.75		1.77	<b>NR</b>	# of strides	3.90	2.64							
	velocity		6.76	10.64	11.11		11.49		11.43		11.30	9.94		43.4	7.69	11.36							
<b>Campbell, Darren (GBR) (1973)</b>	time			2.99	3.94	4.84		6.60		8.36		10.15	10.15	/ <del>3</del> 2									
	reaction time	0.150	interval		0.95	0.90		1.76		1.76		1.79		# of strides	3.94	2.66							
	velocity		6.69	10.53	11.11		11.36		11.36		11.17	9.85		44.2	7.61	11.28							
<b>Németh, Roland (HUN) (1974)</b>	time			2.98	3.95	4.87		6.66		8.45		10.27	10.27	/ <del>4</del> 3									
	reaction time	0.140	interval		0.97	0.92		1.79		1.79		1.82		# of strides	3.95	2.71							
	velocity		6.71	10.31	10.87		11.17		11.17		10.99	9.74			7.59	11.07							
<b>Pöyhönen, Markus (FIN) (1978)</b>	time			2.94	3.91	4.83		6.62		8.43		10.31	10.31	/ <del>5</del> 4									
	reaction time	0.163	interval		0.97	0.92		1.79		1.81		1.88		# of strides	3.91	2.71							
	velocity		6.80	10.31	10.87		11.17		11.05		10.64	9.70			7.67	11.07							
<b>Nthépé, Aimé-Issa (FRA) (1973)</b>	time			3.03	3.99	4.90		6.69		8.49		10.32	10.32	/ <del>6</del> 5									
	reaction time	0.163	interval		0.96	0.91		1.79		1.80		1.83		# of strides	3.99	2.70							
	velocity		6.60	10.42	10.99		11.17		11.11		10.93	9.69			7.52	11.11							
<b>Gavélas, Aristotélis (GRE) (1978)</b>	time			2.97	3.92	4.82		6.62		8.45		10.36	10.36	/ <del>7</del> 6									
	reaction time	0.158	interval		0.95	0.90		1.80		1.83		1.91		# of strides	3.92	2.70							
	velocity		6.73	10.53	11.11		11.11		10.93		10.47	9.65			7.65	11.11							
<b>Theodoridis, Yeóryios (GRE) (1972)</b>	no information available											<b>DQ</b>											

## Semi-Final 2

		date	07-Aug-02		wind		0.1 m/s														<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>		
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m						
<b>Obikwelu, Francis (POR) (1978)</b>	time			2.97	3.91	4.81		6.56		8.31		10.12	10.12	/ 1									
	reaction time	0.156	interval		0.94	0.90		1.75		1.75		1.81		# of strides	3.91	2.65							
	velocity		6.73	10.64	11.11		11.43		11.43		11.05	9.88			7.67	11.32							
<b>Theodoridis, Yeóryios (GRE) (1972)</b>	time			2.94	3.89	4.80		6.57		8.37		10.24	10.24	/ 2									
	reaction time	0.117	interval		0.95	0.91		1.77		1.80		1.87		# of strides	3.89	2.68							
	velocity		6.80	10.53	10.99		11.30		11.11		10.70	9.77			7.71	11.19							
<b>Campbell, Darren (GBR) (1973)</b>	time			3.02	3.98	4.90		6.69		8.46		10.30	10.30	/ 3									
	reaction time	0.166	interval		0.96	0.92		1.79		1.77		1.84		# of strides	3.98	2.71							
	velocity		6.62	10.42	10.87		11.17		11.30		10.87	9.71			7.54	11.07							
<b>Németh, Roland (HUN) (1974)</b>	time			2.96	3.93	4.86		6.66		8.46		10.32	10.32	/ 4									
	reaction time	0.117	interval		0.97	0.93		1.80		1.80		1.86		# of strides	3.93	2.73							
	velocity		6.76	10.31	10.75		11.11		11.11		10.75	9.69			7.63	10.99							
<b>Predanič, Rok (SLO) (1977)</b>	time			2.93	3.90	4.82		6.63		8.45		10.33	10.33	/ 5									
	reaction time	0.132	interval		0.97	0.92		1.81		1.82		1.88	<b>=PB</b>	# of strides	3.90	2.73							
	velocity		6.83	10.31	10.87		11.05		10.99		10.64	9.68			7.69	10.99							
<b>Blume, Marc (GER) (1973)</b>	time			2.97	3.94	4.87		6.68		8.50		10.38	10.38	/ 6									
	reaction time	0.151	interval		0.97	0.93		1.81		1.82		1.88		# of strides	3.94	2.74							
	velocity		6.73	10.31	10.75		11.05		10.99		10.64	9.63			7.61	10.95							
<b>Rurak, Konstantin (UKR) (1974)</b>	time			2.93	3.89	4.80		6.62		8.46		10.38	10.38	/ 7									
	reaction time	0.146	interval		0.96	0.91		1.82		1.84		1.92		# of strides	3.89	2.73							
	velocity		6.83	10.42	10.99		10.99		10.87		10.42	9.63			7.71	10.99							
<b>Ertzgaard, John (NOR) (1977)</b>	time			3.03	4.01	4.94		6.75		8.57		10.45	10.45	/ 8									
	reaction time	0.138	interval		0.98	0.93		1.81		1.82		1.88		# of strides	4.01	2.74							
	velocity		6.60	10.20	10.75		11.05		10.99		10.64	9.57			7.48	10.95							

**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
<b>Chambers, Dwain (GBR) (1978)</b>	time	2.99	3.94	4.84	5.69	6.59	7.44	8.33	9.18	10.12	10.12		/ 1			
	reaction time	0.148														
	interval		0.95	0.90												
	velocity		6.69	10.53	11.11		11.43		11.49		11.17	9.88		# of strides	3.94	2.65
														7.61	11.32	
<b>Nthépé, Aimé-Issa (FRA) (1973)</b>	time		3.02	3.98	4.90	5.82	6.69	7.56	8.47	9.34	10.31	10.31		/ 2		
	reaction time	0.169														
	interval			0.96	0.92											
	velocity		6.62	10.42	10.87		11.17		11.24		10.87	9.70		# of strides	3.98	2.71
														7.54	11.07	
<b>Gavélas, Aristotélis (GRE) (1978)</b>	time		2.96	3.91	4.81	5.71	6.61	7.51	8.43	9.34	10.34	10.34		/ 3		
	reaction time	0.161														
	interval			0.95	0.90		1.80		1.82		1.91					
	velocity		6.76	10.53	11.11		11.11		10.99		10.47	9.67		# of strides	3.91	2.70
														7.67	11.11	
<b>Pöyhönen, Markus (FIN) (1978)</b>	time		2.93	3.90	4.82	5.74	6.63	7.54	8.45	9.36	10.35	10.35		/ 4		
	reaction time	0.148														
	interval			0.97	0.92		1.81		1.82		1.90					
	velocity		6.83	10.31	10.87		11.05		10.99		10.53	9.66		# of strides	3.90	2.73
														7.69	10.99	
<b>Douglas, Troy (NED) (1962)</b>	time		3.05	4.02	4.95	5.87	6.74	7.66	8.52	9.44	10.36	10.36		/ 5		
	reaction time	0.149														
	interval			0.97	0.93		1.79		1.78		1.84					
	velocity		6.56	10.31	10.75		11.17		11.24		10.87	9.65		# of strides	4.02	2.72
														7.46	11.03	
<b>Gardener, Jason (GBR) (1975)</b>	time		2.97	3.94	4.87	5.80	6.68	7.56	8.50	9.44	10.36	10.36		/ 6		
	reaction time	0.154														
	interval			0.97	0.93		1.81		1.82		1.86					
	velocity		6.73	10.31	10.75		11.05		10.99		10.75	9.65		# of strides	3.94	2.74
														7.61	10.95	
<b>Dovgal, Anatoliy (UKR) (1976)</b>	time		2.98	3.95	4.87	5.80	6.67	7.54	8.49	9.44	10.40	10.40		/ 7		
	reaction time	0.142														
	interval			0.97	0.92		1.80		1.82		1.91					
	velocity		6.71	10.31	10.87		11.11		10.99		10.47	9.62		# of strides	3.95	2.72
														7.59	11.03	
<b>Osovnikar, Matic (SLO) (1980)</b>	time		2.99	3.97	4.91	5.85	6.73	7.61	8.58	9.54	10.49	10.46		/ 8		
	reaction time	0.166														
	interval			0.98	0.94		1.82		1.85		1.91					
	velocity		6.69	10.20	10.64		10.99		10.81		10.47	9.56		# of strides	3.97	2.76
														7.56	10.87	

**Quarter-Final 4**

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
<b>Chambers, Dwain (GBR) (1978)</b>	time		2.96	3.90	4.79	5.62	6.52	7.41	8.27	9.14	10.08	10.08		/ 1		
	reaction time	0.143														
	interval			0.94	0.89		1.73		1.75		1.81					
	velocity		6.76	10.64	11.24		11.56		11.43		11.05	9.92		# of strides	3.90	2.62
														7.69	11.45	
<b>Dovgal, Anatoliy (UKR) (1976)</b>	time		2.95	3.90	4.81	5.74	6.60	7.49	8.41	9.34	10.30	10.30		/ 2		
	reaction time	0.123														
	interval			0.95	0.91		1.79		1.81		1.89					
	velocity		6.78	10.53	10.99		11.17		11.05		10.58	9.71		# of strides	3.90	2.70
														7.69	11.11	

**Quarter-Final 3**

date 06-Aug-02 wind -0.6 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
<b>Campbell, Darren (GBR) (1973)</b>	time		3.00	3.96	4.87	5.80	6.66	7.54	8.45	9.36	10.29	10.29		/ 1		
	reaction time	0.143														
	interval			0.96	0.91		1.79		1.79		1.84					
	velocity		6.67	10.42	10.99		11.17		11.17		10.87	9.72		# of strides	3.96	2.70
														7.58	11.11	
<b>Németh, Roland (HUN) (1974)</b>	time		2.97	3.94	4.86	5.79	6.66	7.54	8.46	9.34	10.32	10.32		/ 2		
	reaction time	0.120														
	interval			0.97	0.92		1.80		1.80		1.86					
	velocity		6.73	10.31	10.87		11.11		11.11		10.75	9.69		# of strides	3.94	2.72
														7.61	11.03	
<b>Obikwelu, Francis (POR) (1978)</b>	time		3.06	4.02	4.93	5.84	6.72	7.61	8.52	9.44	10.33	10.33		/ 3		
	reaction time	0.164														
	interval			0.96	0.91		1.79		1.80		1.81					
	velocity		6.54	10.42	10.99		11.17		11.11		11.05	9.68		# of strides	4.02	2.70
														7.46	11.11	

**Quarter-Final 2**

date 06-Aug-02 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
<b>Nthépé, Aimé-Issa (FRA) (1973)</b>	time				4.90	5.82	6.68	7.54	8.46	9.34	10.31	10.31		/ 1		
	reaction time	0.160														
	interval															
	velocity				8.16		11.24		11.24		10.81	9.70		# of strides		
<b>Pöyhönen, Markus (FIN) (1978)</b>	time				4.79	5.66	6.60	7.49	8.42	9.34	10.32	10.32		/ 2		
	reaction time	0.132														
	interval						1.81		1.82		1.90					
	velocity				8.35		11.05		10.99		10.53	9.69		# of strides		

**Quarter-Final 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
<b>Theodoridis, Yeóryios (GRE) (1974)</b>	time		2.96	3.92	4.83	5.74	6.61	7.51	8.40	9.34	10.25	10.25		/ 1		
	reaction time	0.125														
	interval			0.96	0.91		1.78		1.79		1.85					
	velocity		6.76	10.42	10.99		11.24		11.17		10.81	9.76		# of strides	3.92	2.69
														7.65	11.15	
<b>Gardener, Jason (GBR) (1975)</b>	time		2.93	3.89	4.81	5.74	6.60	7.49	8.41	9.34	10.22	10.28		/ 2		

reaction time	0.122	interval	0.96	0.92	1.79	1.81	1.81	# of strides	3.89	2.71
velocity	6.83	10.42	10.87	11.17	11.05	11.05	9.73	7.71	11.07	

## Heat 5

date 06-Aug-02 wind 1.0 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
<b>Németh, Roland (HUN) (1974)</b>	time	2.97	3.93	4.85	6.63	8.41	10.25	10.25	/ 1							
	reaction time	0.128		0.96	0.92	1.78	1.78	1.84	# of strides	3.93	2.70			7.63	11.11	
	interval															
	velocity	6.73	10.42	10.87	11.24	11.24	10.87	9.76	7.63	11.11						
<b>Gardener, Jason (GBR) (1975)</b>	time	2.95	3.91	4.82	6.62	8.42	10.29	10.29	/ 2							
	reaction time	0.148		0.96	0.91	1.80	1.80	1.87	# of strides	3.91	2.71			7.67	11.07	
	interval															
	velocity	6.78	10.42	10.99	11.11	11.11	10.70	9.72	7.67	11.07						
<b>Kochan, Marc (GER) (1978)</b>	time	3.02	4.01	4.95	6.74	8.60	10.50	10.50	/ 6							
	reaction time	0.138		0.99	0.94	1.79	1.86	1.90	# of strides	4.01	2.73			7.48	10.99	
	interval															
	velocity	6.62	10.10	10.64	11.17	10.75	10.53	9.52	7.48	10.99						

## Heat 3

date 06-Aug-02 wind 0.4 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
<b>Theodoridis, Yeóryios (GRE) (1972)</b>	time	2.98	3.93	4.84	6.62	8.40	10.24	10.24	/ 1							
	reaction time	0.134		0.95	0.91	1.78	1.78	1.84	# of strides	3.93	2.69			7.63	11.15	
	interval															
	velocity	6.71	10.53	10.99	11.24	11.24	10.87	9.77	7.63	11.15						
<b>Campbell, Darren (GBR) (1973)</b>	time	3.01	3.97	4.88	6.67	8.47	10.36	10.36	/ 2							
	reaction time	0.134		0.96	0.91	1.79	1.80	1.89	# of strides	3.97	2.70			7.56	11.11	
	interval															
	velocity	6.64	10.42	10.99	11.17	11.11	10.58	9.65	7.56	11.11						
<b>Kosenkow, Alexander (GER) (1977)</b>	time	2.98	3.95	4.88	6.71	8.55	10.44	10.44	/ 3							
	reaction time	0.146		0.97	0.93	1.83	1.84	1.89	# of strides	3.95	2.76			7.59	10.87	
	interval															
	velocity	6.71	10.31	10.75	10.93	10.87	10.58	9.58	7.59	10.87						

## Heat 2

date 06-Aug-02 wind 0.2 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
<b>Obikwelu, Francis (POR) (1978)</b>	time	3.02	3.98	4.90	6.68	8.47	10.38	10.38	/ 1							
	reaction time	0.143		0.96	0.92	1.78	1.79	1.91	# of strides	3.98	2.70			7.54	11.11	
	interval															
	velocity	6.62	10.42	10.87	11.24	11.17	10.47	9.63	7.54	11.11						

## Heat 1

date 06-Aug-02 wind 0.2 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
<b>Chambers, Dwain (GBR) (1978)</b>	time	3.02	3.97	4.88	6.62	8.39	10.23	10.23	/ 4							
	reaction time	0.126		0.95	0.91	1.74	1.77	1.84	# of strides	3.97	2.65			7.56	11.32	
	interval															
	velocity	6.62	10.53	10.99	11.49	11.30	10.87	9.78	7.56	11.32						
<b>Blume, Marc (GER) (1973)</b>	time	2.98	3.95	4.87	6.68	8.47	10.33	10.33	/ 2-1							
	reaction time	0.154		0.97	0.92	1.81	1.79	1.86	# of strides	3.95	2.73			7.59	10.99	
	interval															
	velocity	6.71	10.31	10.87	11.05	11.17	10.75	9.68	7.59	10.99						

## 2001 ISTAF (Berlin, GER)

## FINAL

date 31-Aug-01 wind 0.6 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
<b>Obikwelu, Francis (NGR) (1978)</b>	time	2.92	3.86	4.75	6.48	8.21	9.98	9.98	/ 1							
	reaction time	0.134		0.94	0.89	1.73	1.73	1.77	# of strides	3.86	2.62			7.77	11.45	
	interval															
	velocity	6.85	10.64	11.24	11.56	11.56	11.30	10.02	7.77	11.45						
<b>Zakari, Abdul Aziz (GHA) (1976)</b>	time	2.93	3.87	4.76	6.50	8.25	10.05	10.05	/ 2							
	reaction time	0.151		0.94	0.89	1.74	1.75	1.80	# of strides	3.87	2.63			7.75	11.41	
	interval															
	velocity	6.83	10.64	11.24	11.49	11.43	11.11	9.95	7.75	11.41						
<b>Emedolu, Uchenna (NGR) (1976)</b>	time	3.00	3.94	4.83	6.58	8.32	10.11	10.11	/ 3							
	reaction time	0.172		0.94	0.89	1.75	1.74	1.79	# of strides	3.94	2.64			7.61	11.36	
	interval															
	velocity	6.67	10.64	11.24	11.43	11.49	11.17	9.89	7.61	11.36						
<b>Douglas, Troy (NED) (1962)</b>	time	3.00	3.96	4.88	6.64	8.39	10.19	10.19	/ 4							
	reaction time	0.146		0.96	0.92	1.76	1.75	1.80	# of strides	3.96	2.68			7.58	11.19	
	interval															
	velocity	6.67	10.42	10.87	11.36	11.43	11.11	9.81	7.58	11.19						
<b>Fredericks, Frank (NAM) (1967)</b>	time	3.00	3.96	4.87	6.64	8.44	10.29	10.29	/ 5							
	reaction time	0.154		0.96	0.91	1.77	1.80	1.85	# of strides	3.96	2.68			7.58	11.19	
	interval															
	velocity	6.67	10.42	10.99	11.30	11.11	10.81	9.72	7.58	11.19						
<b>Asahara, Nobuharu (JPN) (1972)</b>	time	2.96	3.91	4.82	6.59	8.39	10.30	10.30	/ 6							
	reaction time	0.165		0.95	0.91	1.77	1.80	1.91	# of strides	3.91	2.68			7.67	11.19	
	interval															
	velocity	6.76	10.53	10.99	11.30	11.11	10.47	9.71	7.67	11.19						
<b>Kosenkow, Alexander (GER) (1977)</b>	time	3.02	4.00	4.93	6.75	8.60	10.52	10.52	/ 7							
	reaction time	0.166		0.98	0.93	1.82	1.85	1.92	# of strides	4.00	2.75					
	interval															

	velocity	6.62	10.20	10.75	10.99	10.81	10.42	9.51	7.50	10.91	
<b>Ostwald, Ronny (GER) (1974)</b>	time	3.01	3.98	4.91	6.74	8.61	10.55	10.55	/ 8		
reaction time	0.151 interval		0.97	0.93	1.83	1.87	1.94		# of strides	3.98	2.76
	velocity	6.64	10.31	10.75	10.93	10.70	10.31	9.48	7.54	10.87	

## 2001 IAAF World Championships (Edmonton, CAN)

## FINAL

date 05-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	
<b>Greene, Maurice (USA) (1974)</b>	time	1.83	2.83	3.75	4.64	5.50	6.35	7.19	8.05	8.91	9.82	9.82	4 / 1				
reaction time	0.132 interval		1.00	0.92	0.89	0.86	0.85	0.84	0.86	0.86	0.91		# of strides	3.75	2.60	2.56	
	velocity	5.46	10.00	10.87	11.24	11.63	11.76	11.90	11.63	11.63	10.99	10.18	45.5	8.00	11.54	11.72	
<b>Montgomery, Tim (USA) (1975)</b>	time	1.86	2.88	3.83	4.73	5.59	6.44	7.28	8.13	8.98	9.85	9.85	3 / <del>2</del>				
reaction time	0.157 interval		1.02	0.95	0.90	0.86	0.85	0.84	0.85	0.85	0.87	<b>DV</b>	# of strides	3.83	2.61	2.54	
	velocity	5.38	9.80	10.53	11.11	11.63	11.76	11.90	11.76	11.76	11.49	10.15	48.2	7.83	11.49	11.81	
<b>Williams, Bernard (USA) (1978)</b>	0.146	no information available										<b>PB</b>	9.94	6 / <del>3</del> 2		# of strides	46.0
<b>Boldon, Ato (TRI) (1973)</b>	0.148	no information available											9.98	5 / <del>4</del> 3		# of strides	45.0
<b>Chambers, Dwain (GBR) (1971)</b>	0.160	no information available											9.99	8 / <del>5</del> 4		# of strides	45.2
<b>Collins, Kim (SKN) (1976)</b>	0.162	no information available											10.07	7 / <del>6</del> 5		# of strides	47.0
<b>Malcolm, Christian (GBR) (1979)</b>	0.142	no information available										<b>PB</b>	10.11	2 / <del>7</del> 6		# of strides	45.7
<b>Zakari, Abdul Aziz (GHA) (1976)</b>	0.148	no information available											10.24	1 / <del>8</del> 7		# of strides	46.0

## 2001 European Cup (Bremen, GER)

## FINAL

date 23-Jun-01 wind 1.4 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
<b>Lewis-Francis, Mark (GBR) (1982)</b>	time		2.99	3.94	4.85		6.60		8.34		10.13	10.13	/ 1			
reaction time	interval			0.95	0.91		1.75		1.74		1.79		# of strides	3.94	2.66	
	velocity		6.69	10.53	10.99		11.43		11.49		11.17	9.87		7.61	11.28	
<b>Kedéris, Konstadinos (GRE) (1973)</b>	time		3.03	3.98	4.89		6.63		8.38		10.15	10.15	/ 2			
reaction time	interval			0.95	0.91		1.74		1.75		1.77	<b>PB</b>	# of strides	3.98	2.65	
	velocity		6.60	10.53	10.99		11.49		11.43		11.30	9.85		7.54	11.32	
<b>Krantz, Frédéric (FRA) (1978)</b>	time		3.00	3.96	4.88		6.66		8.44		10.27	10.27	/ 3			
reaction time	interval			0.96	0.92		1.78		1.78		1.83		# of strides	3.96	2.70	
	velocity		6.67	10.42	10.87		11.24		11.24		10.93	9.74		7.58	11.11	
<b>Torrieri, Marco (ITA) (1978)</b>	time		3.08	4.05	4.97		6.72		8.59		10.29	10.29	/ 4			
reaction time	interval			0.97	0.92		1.75		1.87		1.70		# of strides	4.05	2.67	
	velocity		6.49	10.31	10.87		11.43		10.70		11.76	9.72		7.41	11.24	
<b>Göbel, Tim (GER) (1982)</b>	time		3.01	3.97	4.89		6.67		8.49		10.35	10.35	/ 5			
reaction time	interval			0.96	0.92		1.78		1.82		1.86		# of strides	3.97	2.70	
	velocity		6.64	10.42	10.87		11.24		10.99		10.75	9.66		7.56	11.11	
<b>Krzywański, Marcin (POL) (1975)</b>	time		3.06	4.02	4.94		6.73		8.58		10.42	10.42	/ 6			
reaction time	interval			0.96	0.92		1.79		1.85		1.84		# of strides	4.02	2.71	
	velocity		6.54	10.42	10.87		11.17		10.81		10.87	9.60		7.46	11.07	
<b>Bychkov, Sergey (RUS) (1975)</b>	time		3.05	4.03	4.96		6.77		8.60		10.46	10.46	/ 7			
reaction time	interval			0.98	0.93		1.81		1.83		1.86		# of strides	4.03	2.74	
	velocity		6.56	10.20	10.75		11.05		10.93		10.75	9.56		7.44	10.95	
<b>Nolet, Pedro Pablo (ESP) (1970)</b>	time		3.09	4.07	5.00		6.80		8.62		10.48	10.48	/ 8			
reaction time	interval			0.98	0.93		1.80		1.82		1.86		# of strides	4.07	2.73	
	velocity		6.47	10.20	10.75		11.11		10.99		10.75	9.54		7.37	10.99	

## B FINAL 1

date 23-Jun-01 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
<b>Balcerzak, Piotr (POL) (1975)</b>	time		3.02	4.01	4.95		6.80		8.63		10.51	10.51	/ 1			
reaction time	0.149 interval			0.99	0.94		1.85		1.83		1.88		# of strides	4.01	2.79	
	velocity		6.62	10.10	10.64		10.81		10.93		10.64	9.51		7.48	10.75	
<b>Money, Daniel (GBR) (1976)</b>	time		2.99	3.97	4.91		6.76		8.60		10.51	10.51	/ 2			
reaction time	0.114 interval			0.98	0.94		1.85		1.84		1.91		# of strides	3.97	2.79	
	velocity		6.69	10.20	10.64		10.81		10.87		10.47	9.51		7.56	10.75	
<b>Papadiás, Harálabos (GRE) (1975)</b>	time		3.10	4.05	4.95		6.82		8.62		10.52	10.52	/ 3			
reaction time	0.217 interval			0.95	0.90		1.87		1.80		1.90		# of strides	4.05	2.77	
	velocity		6.45	10.53	11.11		10.70		11.11		10.53	9.51		7.41	10.83	
<b>Kosenkow, Alexander (GER) (1977)</b>	time		2.99	3.97	4.91		6.75		8.61		10.57	10.57	/ 4			
reaction time	0.139 interval			0.98	0.94		1.84		1.86		1.96		# of strides	3.97	2.78	
	velocity		6.69	10.20	10.64		10.87		10.75		10.20	9.46		7.56	10.79	

<b>Maestra, Cecilio (ESP) (1980)</b>	time	3.05	4.03	4.97	6.87	8.69	10.62	10.62	/ 5						
	reaction time	0.145		0.98	0.94	1.90	1.82	1.93	# of strides	4.03	2.84				
	velocity	6.56	10.20	10.64	10.53	10.99	10.36	9.42		7.44	10.56				
<b>Smirnov, Aleksandr (RUS) (1974)</b>	time	3.08	4.05	4.97	6.82	8.67	10.62	10.62	/ 6						
	reaction time	0.206		0.97	0.92	1.85	1.85	1.95	# of strides	4.05	2.77				
	velocity	6.49	10.31	10.87	10.81	10.81	10.26	9.42		7.41	10.83				
<b>Ménal, Alex (FRA) (1972)</b>	time	3.05	4.05	5.00	6.88	8.76	10.71	10.71	/ 7						
	reaction time	0.128		1.00	0.95	1.88	1.88	1.95	# of strides	4.05	2.83				
	velocity	6.56	10.00	10.53	10.64	10.64	10.26	9.34		7.41	10.60				

**B FINAL 2**date 23-Jun-01 wind 1.3 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	
<b>Pilarczyk, Ryszard (POL) (1975)</b>	time	2.99	3.96	4.89	6.72	8.54	10.41	10.41	/ 1								
	reaction time	0.146		0.97	0.93	1.83	1.82	1.87	# of strides	3.96	2.76						
	velocity	6.69	10.31	10.75	10.93	10.99	10.70	9.61		7.58	10.87						
<b>Éyana, Jérôme (FRA) (1977)</b>	time	3.09	4.06	4.99	6.80	8.61	10.48	10.48	/ 2								
	reaction time	0.169		0.97	0.93	1.81	1.81	1.87	# of strides	4.06	2.74						
	velocity	6.47	10.31	10.75	11.05	11.05	10.70	9.54		7.39	10.95						
<b>Berlanga, Carlos (ESP) (1972)</b>	time	3.02	4.01	4.95	6.79	8.65	10.55	10.55	/ 3								
	reaction time	0.142		0.99	0.94	1.84	1.86	1.90	# of strides	4.01	2.78						
	velocity	6.62	10.10	10.64	10.87	10.75	10.53	9.48		7.48	10.79						
<b>Kononyuk, Sergey (RUS) (1970)</b>	time	3.02	4.00	4.93	6.77	8.62	10.56	10.56	/ 4								
	reaction time	0.162		0.98	0.93	1.84	1.85	1.94	# of strides	4.00	2.77						
	velocity	6.62	10.20	10.75	10.87	10.81	10.31	9.47		7.50	10.83						
<b>Santos, Diego Moisés (ESP) (1977)</b>	time	3.06	4.06	5.00	6.85	8.67	10.57	10.57	/ 5								
	reaction time	0.199		1.00	0.94	1.85	1.82	1.90	# of strides	4.06	2.79						
	velocity	6.54	10.00	10.64	10.81	10.99	10.53	9.46		7.39	10.75						
<b>Schacht, Christian (GER) (1976)</b>	time	3.04	4.04	4.99	6.85	8.71	10.62	10.62	/ 6								
	reaction time	0.164		1.00	0.95	1.86	1.86	1.91	# of strides	4.04	2.81						
	velocity	6.58	10.00	10.53	10.75	10.75	10.47	9.42		7.43	10.68						
<b>Dimótsios, Stilianós (GRE) (1974)</b>	time	3.15	4.15	5.10	6.96	8.80	10.69	10.69	/ 7								
	reaction time	0.169		1.00	0.95	1.86	1.84	1.89	# of strides	4.15	2.81						
	velocity	6.35	10.00	10.53	10.75	10.87	10.58	9.35		7.23	10.68						
<b>Kirdyashev, Valeriy (RUS) (1976)</b>	time	3.05	4.06	5.01	6.91	8.81	10.80	10.80	/ 8								
	reaction time	0.121		1.01	0.95	1.90	1.90	1.99	# of strides	4.06	2.85						
	velocity	6.56	9.90	10.53	10.53	10.53	10.05	9.26		7.39	10.53						

**2000 Olympic Games (Sydney, AUS)****FINAL**date 23-Sep-00 wind -0.3 m/s *Brito (2007) - 100m stats, you may be interested (www.elitetrack.com/forums)*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Greene, Maurice (USA) (1974)</b>	time	1.94	2.96	3.88	4.78	5.63	6.45	7.28	8.12	8.97	9.87	9.87	5 / 1					
	reaction time	0.197		1.02	0.92	0.90	0.85	0.82	0.83	0.84	0.85	0.90	# of strides	3.88	2.57	2.52		
	velocity	5.15	9.80	10.87	11.11	11.76	12.20	12.05	11.90	11.76	11.11	10.13		45.7	7.73	11.67	11.90	
<b>Boldon, Ato (TRI) (1973)</b>	0.136	no information available										9.99	8 / 2		# of strides	45.0		
<b>Thompson, Obadele (BAR) (1976)</b>	0.216	no information available										10.04	4 / 3		# of strides	44.0		
<b>Chambers, Dwain (GBR) (1971)</b>	0.174	no information available										10.08	3 / 4		# of strides	45.0		
<b>Drummond, Jon (USA) (1968)</b>	0.147	no information available										10.09	6 / 5		# of strides	45.7		
<b>Campbell, Darren (GBR) (1973)</b>	0.193	no information available										10.13	1 / 6		# of strides	43.5		
<b>Collins, Kim (SKN) (1976)</b>	0.210	no information available										10.17	7 / 7		# of strides	47.5		
<b>Zakari, Aziz (GHA) (1976)</b>	0.180	no information available										dnf	2 / --					

**2000 ISTAF (Berlin, GER)****FINAL**date 01-Sep-00 wind -0.2 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	
<b>Greene, Maurice (USA) (1974)</b>	time	2.87	3.80	4.68	5.54	6.39	8.11	9.86	9.86	/ 1							
	reaction time	0.142		0.93	0.88	0.86	0.85	1.72	1.75	# of strides	3.80	2.59					
	velocity	6.97	10.75	11.36	11.63	11.76	11.63	11.43	10.14		45.9	7.89	11.58				
<b>Drummond, Jon (USA) (1968)</b>	time	2.84	3.77	4.65	5.53	6.38	8.13	9.96	9.96	/ 2							
	reaction time	0.120		0.93	0.88	0.88	0.85	1.75	1.83	# of strides	3.77	2.61					
	velocity	7.04	10.75	11.36	11.36	11.76	11.43	10.93	10.04		46.1	7.96	11.49				
<b>Montgomery, Tim (USA) (1975)</b>	time	2.93	3.87	4.77	6.52	10.01	10.01	/ 3									
	reaction time	0.162		0.94	0.90	1.75	3.49	# of strides	3.87	2.65							
	velocity	6.83	10.64	11.11	11.43	11.46	9.99		7.75	11.32							

<b>Williams, Bernard (USA) (1978)</b>	time	2.93	3.87	4.76	6.50	10.05	10.05				/ 4			
	reaction time	0.151	interval	0.94	0.89	1.74	3.55				# of strides	3.87	2.63	
	velocity	6.83	10.64	11.24	11.49	11.27	9.95				7.75	11.41		
<b>Lewis, Brian (USA) (1974)</b>	time	2.91	3.86	4.76	6.51	10.13	10.13				/ 5			
	reaction time	0.144	interval	0.95	0.90	1.75	3.62				# of strides	3.86	2.65	
	velocity	6.87	10.53	11.11	11.43	11.05	9.87				7.77	11.32		

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

	date	22-Aug-99	wind	0.2 m/s	<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>											Official Time	Lane / Place	0-30m	30-60m	60-90m
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m						
<b>Greene, Maurice (USA) (1974)</b>	time	1.73	2.76	3.68	4.56	5.42	6.26	7.11	7.96	8.81	9.67	9.80	5 / 1							
	reaction time	0.132	interval	1.03	0.92	0.88	0.86	0.84	0.85	0.85	0.85	0.86	<b>CR</b>	# of strides	3.68	2.58	2.55			
	velocity	5.78	9.71	10.87	11.36	11.63	11.90	11.76	11.76	11.76	11.76	11.63	10.20	8.15	11.63	11.76				
<b>Surin, Bruny (CAN) (1967)</b>	time	1.75	2.75	3.66	4.55	5.40	6.25	7.11	7.97	8.83	9.71	9.84	6 / 2							
	reaction time	0.127	interval	1.00	0.91	0.89	0.85	0.85	0.86	0.86	0.86	0.88	<b>=NR</b>	# of strides	3.66	2.59	2.58			
	velocity	5.71	10.00	10.99	11.24	11.76	11.76	11.63	11.63	11.63	11.63	11.36	10.16	44.3	8.20	11.58	11.63			
<b>Chambers, Dwain (GBR) (1978)</b>	time	1.73	2.75	3.67	4.57	5.43	6.28	7.15	8.04	8.93	9.83	9.97	4 / 3							
	reaction time	0.140	interval	1.02	0.92	0.90	0.86	0.85	0.87	0.89	0.89	0.90	<b>PB</b>	# of strides	3.67	2.61	2.65			
	velocity	5.78	9.80	10.87	11.11	11.63	11.76	11.49	11.24	11.24	11.11	10.03	10.03	8.17	11.49	11.32				
<b>Thompson, Obadele, (BAR) (1976)</b>	time	1.77	2.79	3.71	4.61	5.50	6.36	7.22	8.10	8.97	9.86	10.00	1 / 4							
	reaction time	0.145	interval	1.02	0.92	0.90	0.89	0.86	0.86	0.88	0.87	0.89	# of strides	3.71	2.65	2.61				
	velocity	5.65	9.80	10.87	11.11	11.24	11.63	11.63	11.36	11.49	11.24	10.00	10.00	8.09	11.32	11.49				
<b>Harden, Tim (USA) (1974)</b>	time	1.73	2.75	3.67	4.57	5.46	6.32	7.19	8.08	8.97	9.88	10.02	3 / 5							
	reaction time	0.136	interval	1.02	0.92	0.90	0.89	0.86	0.87	0.89	0.89	0.91	# of strides	3.67	2.65	2.65				
	velocity	5.78	9.80	10.87	11.11	11.24	11.63	11.49	11.24	11.24	10.99	9.98	9.98	8.17	11.32	11.32				
<b>Montgomery, Tim (USA) (1975)</b>	time	1.76	2.80	3.73	4.62	5.51	6.37	7.24	8.12	9.01	9.90	10.04	8 / 6							
	reaction time	0.136	interval	1.04	0.93	0.89	0.89	0.86	0.87	0.88	0.89	0.89	# of strides	3.73	2.64	2.64				
	velocity	5.68	9.62	10.75	11.24	11.24	11.63	11.49	11.36	11.24	11.24	9.96	9.96	8.04	11.36	11.36				
<b>Gardener, Jason (GBR) (1975)</b>	time	1.77	2.79	3.71	4.61	5.50	6.37	7.25	8.14	9.03	9.93	10.07	7 / 7							
	reaction time	0.142	interval	1.02	0.92	0.90	0.89	0.87	0.88	0.89	0.90	0.90	# of strides	3.71	2.66	2.66				
	velocity	5.65	9.80	10.87	11.11	11.24	11.49	11.36	11.24	11.24	11.11	9.93	9.93	8.09	11.28	11.28				
<b>Streete-Thompson, Kareem (CAY)</b>	time	1.80	2.82	3.76	4.66	5.56	6.44	7.32	8.21	9.14	10.07	10.24	2 / 8							
	reaction time	0.173	interval	1.02	0.94	0.90	0.90	0.88	0.88	0.89	0.93	0.93	# of strides	3.76	2.68	2.70				
	velocity	5.56	9.80	10.64	11.11	11.11	11.36	11.36	11.24	10.75	10.75	9.77	9.77	7.98	11.19	11.11				

**1999 Tsikliritia Grand Prix II (Athens, GRE)****Race 3**

	date	16-Jun-99	wind	0.1 m/s	<i>Lee (2008) - Usain Bolt 100m 10 meter Splits and Speed Endurance (SpeedEndurance.com)</i>											Official Time	Lane / Place	0-30m	30-60m	60-90m
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m						
<b>Greene, Maurice (USA) (1974)</b>	time	1.86	2.89	3.81	4.69	5.57	6.40	7.23	8.09	8.94	9.79	9.79	4 / 1							
	reaction time	0.162	interval	1.03	0.92	0.88	0.83	0.83	0.86	0.85	0.85	0.85	<b>WR</b>	# of strides	3.81	2.59	2.54			
	velocity	5.38	9.71	10.87	11.36	11.36	12.05	12.05	11.63	11.76	11.76	10.21	10.21	45.6	7.87	11.58	11.81			

**1999 Live (Nurnberg, GER)****FINAL**

	date	13-Jun-99	wind	1.1 m/s	<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											Official Time	Lane / Place	0-30m	30-60m	60-90m
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m						
<b>Surin, Bruny (CAN) (1967)</b>	time	2.90	3.83	4.71	6.43	8.15	9.92	9.92				/ 1								
	reaction time	0.123	interval	0.93	0.88	1.72	1.72	1.77				# of strides	3.83	2.60						
	velocity	6.90	10.75	11.36	11.63	11.63	11.30	10.08				7.83	11.54							

**1997 IAAF World Championships (Athens, GRE)****FINAL**

	date	03-Aug-97	wind	0.2 m/s	<i>Ritzdorf (1997) - biomechanical research project at the VI th world championships in athletics, Athens 1997</i>											Official Time	Lane / Place	0-30m	30-60m	60-90m
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m						
<b>Greene, Maurice (USA) (1974)</b>	time	1.71	2.75	3.67	4.55	5.42	6.27	7.12	7.98	8.85	9.73	9.86	3 / 1							
	reaction time	0.134	interval	1.04	0.92	0.88	0.87	0.85	0.85	0.86	0.87	0.88	<b>=CR / PB</b>	# of strides	3.67	2.60	2.58			
	velocity	5.85	9.62	10.87	11.36	11.49	11.76	11.76	11.63	11.49	11.36	10.14	10.14	45.9	8.17	11.54	11.63			
<b>Bailey, Donovan (CAN) (1967)</b>	time	1.77	2.80	3.71	4.58	5.43	6.28	7.13	7.99	8.86	9.76	9.91	4 / 2							
	reaction time	0.145	interval	1.03	0.91	0.87	0.85	0.85	0.86	0.87	0.90	10.09	# of strides	3.71	2.57	2.58				
	velocity	5.65	9.71	10.99	11.49	11.76	11.76	11.76	11.63	11.49	11.11	10.09	10.09	44.5	8.09	11.67	11.63			
<b>Montgomery, Tim (USA) (1975)</b>	time	1.73	2.76	3.69	4.57	5.43	6.29	7.15	8.02	8.90	9.80	9.94	7 / 3							
	reaction time	0.134	interval	1.03	0.93	0.88	0.86	0.86	0.86	0.87	0.88	0.90	# of strides	3.69	2.60	2.61				
	velocity	5.78	9.71	10.75	11.36	11.63	11.63	11.63	11.49	11.36	11.11	10.06	10.06	47.9	8.13	11.54	11.49			
<b>Fredericks, Frank (NAM) (1967)</b>	time	1.73	2.77	3.70	4.59	5.46	6.32	7.18	8.05	8.93	9.82	9.95	2 / 4							
	reaction time	0.129	interval	1.04	0.93	0.89	0.87	0.86	0.86	0.87	0.88	0.89	# of strides	3.70	2.62	2.61				
	velocity	5.78	9.62	10.75	11.24	11.49	11.63	11.63	11.49	11.36	11.24	10.05	10.05	8.11	11.45	11.49				

<b>Boldon, Ato (TTO) (1973)</b>	time	1.72	2.77	3.70	4.59	5.46	6.33	7.20	8.08	8.98	9.90	10.02	6 / 5				
	reaction time	0.123	interval	1.05	0.93	0.89	0.87	0.87	0.87	0.88	0.90	0.92	# of strides	3.70	2.63	2.65	
	velocity	5.81	9.52	10.75	11.24	11.49	11.49	11.49	11.36	11.11	10.87	9.98	44.0	8.11	11.41	11.32	
<b>Ezinwa, Davidson (NGR) (1971)</b>	time	1.77	2.82	3.76	4.65	5.52	6.39	7.26	8.14	9.03	9.96	10.10	5 / 6				
	reaction time	0.135	interval	1.05	0.94	0.89	0.87	0.87	0.88	0.89	0.93		# of strides	3.76	2.63	2.64	
	velocity	5.65	9.52	10.64	11.24	11.49	11.49	11.49	11.36	11.24	10.75	9.90	46.3	7.98	11.41	11.36	
<b>Surin, Bruny (CAN) (1967)</b>	0.147	no information available										10.12	1 / 7	# of strides	45.3		
<b>Gardener, Jason (GBR) (1975)</b>	0.146	no information available										10.29	8 / 8	# of strides	43.9		

**1997 European Cup (Munich, GER)****FINAL**

	date	21-Jun-97	wind 0.2 m/s								100m	Official Time	Jung (2003) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>			
			10m	20m	30m	40m	50m	60m	70m	80m			90m	Lane / Place	0-30m	30-60m
<b>Christie, Linford (GBR) (1960)</b>	time	1.92		3.89			6.52				10.04	10.04	/ 1			
	reaction time	interval		1.97			2.63				3.52		# of strides	3.89	2.63	
	velocity	5.21		10.15			11.41				11.36	9.96	7.71	11.41		
<b>Moen, Geir (NOR) (1969)</b>	time	1.94		3.96			6.61				10.18	10.18	/ 2			
	reaction time	interval		2.02			2.65				3.57		# of strides	3.96	2.65	
	velocity	5.15		9.90			11.32				11.20	9.82	7.58	11.32		
<b>Fedoriv, Andrey (RUS) (1963)</b>	time	1.98		3.97			6.62				10.19	10.19	/ 3			
	reaction time	interval		1.99			2.65				3.57	<b>PB</b>	# of strides	3.97	2.65	
	velocity	5.05		10.05			11.32				11.20	9.81	7.56	11.32		
<b>Pavlakakis, Ággelos (GRE) (1976)</b>	time	1.95		3.95			6.63				10.24	10.24	/ 4			
	reaction time	interval		2.00			2.68				3.61		# of strides	3.95	2.68	
	velocity	5.13		10.00			11.19				11.08	9.77	7.59	11.19		
<b>Blume, Marc (GER) (1973)</b>	time	1.93		3.96			6.67				10.35	10.35	/ 5			
	reaction time	interval		2.03			2.71				3.68		# of strides	3.96	2.71	
	velocity	5.18		9.85			11.07				10.87	9.66	7.58	11.07		
<b>Feo, Frutos (ESP) (1972)</b>	time	2.00		4.02			6.70				10.38	10.38	/ 6			
	reaction time	interval		2.02			2.68				3.68		# of strides	4.02	2.68	
	velocity	5.00		9.90			11.19				10.87	9.63	7.46	11.19		
<b>Puggioni, Giovanni (ITA) (1966)</b>	time	2.01		4.03			6.75				10.40	10.40	/ 7			
	reaction time	interval		2.02			2.72				3.65		# of strides	4.03	2.72	
	velocity	4.98		9.90			11.03				10.96	9.62	7.44	11.03		
<b>Cali, Stéphane (FRA) (1972)</b>	time	2.06		4.04			6.75				10.44	10.44	/ 8			
	reaction time	interval		1.98			2.71				3.69		# of strides	4.04	2.71	
	velocity	4.85		10.10			11.07				10.84	9.58	7.43	11.07		

**1997 Weltklasse (Stuttgart, GER)****FINAL**

	date	13-Jul-97	wind 0.0 m/s								100m	Official Time	Arakelyan (1998) whether deliberate analysis?			
			10m	20m	30m	40m	50m	60m	70m	80m			90m	Lane / Place	0-30m	30-60m
<b>Greene, Maurice (USA) (1974)</b>	time			3.81			6.48				10.04	10.04	/ 2			
	reaction time	interval				2.67			1.80		1.76		# of strides	3.81	2.67	
	velocity			7.87			11.24			11.11	11.36	9.96	7.87	11.24		

**1997 Live (Nurnberg, GER)****FINAL**

	date	13-Jun-97	wind 0.5 m/s								100m	Official Time	Grosser (2007) - Schnelligkeitsairtraining			
			10m	20m	30m	40m	50m	60m	70m	80m			90m	Lane / Place	0-30m	30-60m
<b>Bailey, Donovan (CAN) (1967)</b>	time	1.92	2.94	3.85	4.72	5.58	6.43	7.31	8.18	9.06	9.94	9.94	/ 1			
	reaction time	interval		1.02	0.91	0.87	0.86	0.85	0.88	0.87	0.88		# of strides	3.85	2.58	2.63
	velocity	5.21	9.80	10.99	11.49	11.63	11.76	11.36	11.49	11.36	11.36	10.06	7.79	11.63	11.41	

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

	date	27-Jul-96	wind 0.7 m/s								100m	Official Time	Grosser (2007) - Schnelligkeitsairtraining			
			10m	20m	30m	40m	50m	60m	70m	80m			90m	Lane / Place	0-30m	30-60m
<b>Bailey, Donovan (CAN) (1967)</b>	time	1.90	2.93	3.84	4.71	5.55	6.39	7.24	8.09	8.95	9.84	9.84	6 / 1			
	reaction time	0.174	interval	1.03	0.91	0.87	0.84	0.84	0.85	0.86	0.89	<b>WR</b>	# of strides	3.84	2.55	2.56
	velocity	5.26	9.71	10.99	11.49	11.90	11.90	11.76	11.76	11.63	11.24	10.16	44.0	7.81	11.76	11.72
<b>Fredericks, Frank (NAM) (1967)</b>	time	1.84	2.87	3.80	4.69	5.55	6.41	7.27	8.13	9.00	9.89	9.89	5 / 2			
	reaction time	0.143	interval	1.03	0.93	0.89	0.86	0.86	0.86	0.87	0.89		# of strides	3.80	2.61	2.59
	velocity	5.43	9.71	10.75	11.24	11.63	11.63	11.63	11.63	11.49	11.24	10.11	46.2	7.89	11.49	11.58
<b>Boldon, Ato (TTO) (1973)</b>	time	1.89	2.91	3.83	4.71	5.56	6.40	7.25	8.12	9.00	9.90	9.90	3 / 3			
	reaction time	0.164	interval	1.02	0.92	0.88	0.85	0.84	0.85	0.87	0.88	<b>PB</b>	# of strides	3.83	2.57	2.60
	velocity	5.29	9.80	10.87	11.36	11.76	11.90	11.76	11.49	11.36	11.11	10.10	45.5	7.83	11.67	11.54

<b>Mitchell, Dennis (USA) (1966)</b>	time	1.84	2.87	3.81	4.70	5.57	6.44	7.31	8.18	9.06	9.99	9.99	4 / 4			
	reaction time	0.145											# of strides	3.81	2.63	2.62
	velocity	5.43	9.71	10.64	11.24	11.49	11.49	11.49	11.49	11.36	10.75	10.01	45.7	7.87	11.41	11.45
<b>Marsh, Mike (USA) (1967)</b>	0.147	no information available										10.00	1 / 5	# of strides	43.5	
<b>Ezinwa, Davidson (NGR) (1971)</b>	0.157	no information available										10.14	7 / 6	# of strides	45.7	
<b>Green, Michael (JAM)</b>	0.169	no information available										10.16	8 / 7	# of strides	47.2	
<b>Christie, Linford (GBR) (1960)</b>												<b>DQ</b>	2 / --			

**Heat 5**

date	26-Jul-96	wind	-0.8 m/s	<i>Chen (2012) - comparison and development trend of men's 100m in china and foreign countries</i>												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Chen Wenzhong (CHN) (1970)</b>	time	1.86	2.92	3.88	4.80	5.70	6.62	7.55	8.48	9.41	10.38	10.37	3 / 3			
	reaction time												# of strides	3.88	2.74	2.79
	velocity	5.38	9.43	10.42	10.87	11.11	10.87	10.75	10.75	10.75	10.31	9.64	7.73	10.95	10.75	

**1996 USA Olympic Trials (Atlanta, GA)****FINAL**

date	15-Jun-96	wind	1.1 m/s	<i>USATF Women's Sprint Development (1996)</i>												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Mitchell, Dennis (USA) (1966)</b>	time	1.83		3.80		5.53				8.93	9.92	9.92	5 / 1			
	reaction time												# of strides	3.80		
	velocity	5.46		10.15		11.56				11.76	10.10	10.08	7.89			
<b>Marsh, Michael (USA) (1967)</b>	time	2.00		3.96		5.68				9.07	10.00	10.00	4 / 2			
	reaction time												# of strides	3.96		
	velocity	5.00		10.20		11.63				11.80	10.75	10.00	7.58			
<b>Drummond, Jon (USA) (1968)</b>	time	1.87		3.85		5.58				9.06	10.01	10.01	6 / 3			
	reaction time												# of strides	3.85		
	velocity	5.35		10.10		11.56				11.49	10.53	9.99	7.79			
<b>Williams, Jeff (USA) (1965)</b>	time	1.87		3.99		5.71				9.16	10.06	10.06	7 / 4			
	reaction time												# of strides	3.99		
	velocity	5.35		9.43		11.63				11.59	11.11	9.94	7.52			
<b>Harden, Tim (USA) (1974)</b>	time	1.87		3.87		5.61				9.11	10.07	10.07	3 / 5			
	reaction time												# of strides	3.87		
	velocity	5.35		10.00		11.49				11.43	10.42	9.93	7.75			
<b>Burrell, Leroy (USA) (1967)</b>	time	1.93		3.91		5.64				9.14	10.07	10.07	2 / 6			
	reaction time												# of strides	3.91		
	velocity	5.18		10.10		11.56				11.43	10.75	9.93	7.67			
<b>Montgomery, Tim (USA) (1975)</b>	time	1.93		3.91		5.66				9.20	10.12	10.12	1 / 7			
	reaction time												# of strides	3.91		
	velocity	5.18		10.10		11.43				11.30	10.87	9.88	7.67			
<b>Lewis, Carl (USA) (1961)</b>	time	1.95		3.99		5.74				9.23	10.21	10.21	8 / 8			
	reaction time												# of strides	3.99		
	velocity	5.13		9.80		11.43				11.46	10.20	9.79	7.52			

**1996 Leichtathletik Gala (Duisburg, GER)****FINAL**

date	12-Jun-96	wind	4.0 m/s	<i>Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>												
		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bailey, Donovan (CAN) (1967)</b>	time	1.90		3.84		5.61			8.12		9.88	9.88	/ 1			
	reaction time												# of strides	3.84	2.57	
	velocity	5.26		10.31		11.67			11.70		11.36	10.12	7.81	11.67		

**1996 International French Indoor Championships (Bercy, FRA)****FINAL**

date	10-Feb-96											<i>Gajer (1996) - analyse des frequences, amplitudes et vitesse pour les courses de 60m</i>				
		10m	20m	30m	40m	50m	60m			Official Time	Lane / Place	0-30m	30-60m			
<b>Meité, Ibraham (CIV) (1976)</b>	time	1.89	2.94	3.90	4.81	5.70	6.61			6.61	/ 1					
	reaction time										# of strides	3.90	2.71			
	velocity	5.29	9.52	10.42	10.99	11.24	10.99			9.08		7.69	11.07			
<b>Cali, Stéphane (FRA) (1972)</b>	time	1.91	2.96	3.92	4.88	5.72	6.64			6.64	/ 2					
	reaction time										# of strides	3.92	2.72			
	velocity	5.24	9.52	10.42	10.42	11.90	10.87			9.04		7.65	11.03			
<b>Patros, David (FRA) (1977)</b>	time	1.90	2.97	3.95	4.88	5.77	6.70			6.70	/ 3					
	reaction time										# of strides	3.95	2.75			
	velocity	5.26	9.35	10.20	10.75	11.24	10.75			8.96		7.59	10.91			
<b>Groisard, Régis (FRA) (1973)</b>	time	1.93	3.00	3.99	4.90	5.80	6.72			6.72	/ 4					
	reaction time										# of strides	3.99	2.73			
	velocity	5.18	9.35	10.10	10.99	11.11	10.87			8.93		7.52	10.99			



<b>Douhou, Ahmed (FRA) (1976)</b>	time	1.94	3.01	4.00	4.92	5.82	6.74	6.74	/ 5				
	reaction time	interval		1.07	0.99	0.92	0.90	0.92	# of strides	4.00	2.74		
	velocity	5.15	9.35	10.10	10.87	11.11	10.87	8.90		7.50	10.95		
<b>Perrot, Eric (FRA) (1969)</b>	time	1.96	3.04	4.04	4.98	5.91	6.87	6.87	/ 6				
	reaction time	interval		1.08	1.00	0.94	0.93	0.96	# of strides	4.04	2.83		
	velocity	5.10	9.26	10.00	10.64	10.75	10.42	8.73		7.43	10.60		

**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		
<b>Meité, Ibrahim (CIV) (1976)</b>	time	1.87	2.94	3.88	4.80	5.70	6.62	6.62	/ 1				
	reaction time	interval		1.07	0.94	0.92	0.90	0.92	# of strides	3.88	2.74		
	velocity	5.35	9.35	10.64	10.87	11.11	10.87	9.06		7.73	10.95		
<b>Patros, David (FRA) (1977)</b>	time	1.84	2.93	3.89	4.82	5.74	6.67	6.67	/ 2				
	reaction time	interval		1.09	0.96	0.93	0.92	0.93	# of strides	3.89	2.78		
	velocity	5.43	9.17	10.42	10.75	10.87	10.75	9.00		7.71	10.79		
<b>Groisard, Régis (FRA) (1973)</b>	time	1.92	3.02	3.98	4.90	5.80	6.72	6.72	/ 3				
	reaction time	interval		1.10	0.96	0.92	0.90	0.92	# of strides	3.98	2.74		
	velocity	5.21	9.09	10.42	10.87	11.11	10.87	8.93		7.54	10.95		
<b>Perrot, Eric (FRA) (1969)</b>	time	1.90	2.99	3.95	4.89	5.83	6.77	6.77	/ 4				
	reaction time	interval		1.09	0.96	0.94	0.94	0.94	# of strides	3.95	2.82		
	velocity	5.26	9.17	10.42	10.64	10.64	10.64	8.86		7.59	10.64		
<b>Heddad, Rachid (MAR) (1968)</b>	time	1.94	3.04	4.01	4.95	5.89	6.81	6.81	/ 5				
	reaction time	interval		1.10	0.97	0.94	0.94	0.92	# of strides	4.01	2.80		
	velocity	5.15	9.09	10.31	10.64	10.64	10.87	8.81		7.48	10.71		
<b>Leconte, Laurent (FRA) (1968)</b>	time	1.92	3.02	3.98	4.94	5.89	6.84	6.84	/ 6				
	reaction time	interval		1.10	0.96	0.96	0.95	0.95	# of strides	3.98	2.86		
	velocity	5.21	9.09	10.42	10.42	10.53	10.53	8.77		7.54	10.49		

**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		
<b>Cali, Stéphane (FRA) (1972)</b>	time	1.91	2.97	3.92	4.83	5.74	6.65	6.65	/ 1				
	reaction time	interval		1.06	0.95	0.91	0.91	0.91	# of strides	3.92	2.73		
	velocity	5.24	9.43	10.53	10.99	10.99	10.99	9.02		7.65	10.99		
<b>Douhou, Ahmed (FRA) (1976)</b>	time	1.93	3.02	3.99	4.92	5.84	6.75	6.75	/ 2				
	reaction time	interval		1.09	0.97	0.93	0.92	0.91	# of strides	3.99	2.76		
	velocity	5.18	9.17	10.31	10.75	10.87	10.99	8.89		7.52	10.87		
<b>Sangouma, Daniel (FRA) (1965)</b>	time	1.94	3.03	4.02	4.95	5.88	6.79	6.79	/ 3				
	reaction time	interval		1.09	0.99	0.93	0.93	0.91	# of strides	4.02	2.77		
	velocity	5.15	9.17	10.10	10.75	10.75	10.99	8.84		7.46	10.83		
<b>Cavron, Jean-Philippe (FRA) (1971)</b>	time	1.92	3.01	3.99	4.94	5.88	6.83	6.83	/ 4				
	reaction time	interval		1.09	0.98	0.95	0.94	0.95	# of strides	3.99	2.84		
	velocity	5.21	9.17	10.20	10.53	10.64	10.53	8.78		7.52	10.56		
<b>Drayton Éric (FRA) (1972)</b>	time	1.95	3.03	4.03	4.97	5.91	6.84	6.84	/ 5				
	reaction time	interval		1.08	1.00	0.94	0.94	0.93	# of strides	4.03	2.81		
	velocity	5.13	9.26	10.00	10.64	10.64	10.75	8.77		7.44	10.68		
<b>Loutzhy, Stéphane (FRA) (1971)</b>	time	1.94	3.03	4.02	4.96	5.91	6.85	6.85	/ 6				
	reaction time	interval		1.09	0.99	0.94	0.95	0.94	# of strides	4.02	2.83		
	velocity	5.15	9.17	10.10	10.64	10.53	10.64	8.76		7.46	10.60		

**1995 IAAF World Championships (Göteborg, SWE)****FINAL**

date 06-Aug-95

wind 1.0 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Bailey, Donovan (CAN) (1967)</b>	0.138	no information available										9.97	5 / 1		# of strides	44.0
<b>Surin, Bruny (CAN) (1967)</b>	0.132	no information available										10.03	3 / 2		# of strides	45.2
<b>Boldon, Ato (TTO) (1973)</b>	0.114	no information available										10.03	4 / 3		# of strides	46.5
<b>Fredericks, Frank (NAM) (1967)</b>	0.134	no information available										10.07	2 / 4		# of strides	45.0
<b>Marsh, Mike (USA) (1967)</b>	0.155	no information available										10.10	6 / 5		# of strides	43.0
<b>Christie, Linford (GBR) (1960)</b>	0.110	no information available										10.12	1 / 6		# of strides	44.5
<b>Adeniken, Olapade (NGR) (1969)</b>	0.127	no information available										10.20	8 / 7		# of strides	45.5
<b>Stewart, Raymond (JAM) (1965)</b>	0.135	no information available										10.29	7 / 8		# of strides	46.0

**1994 (Tønsberg, NOR)****FINAL**

date 20-Jul-94

wind 1.8 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
<b>Moen, Geir (NOR) (1969)</b>	time			4.01			6.64		8.37		10.17	10.17	/ 1			

	reaction time	interval		2.63	1.73	1.80	<b>PB</b>	# of strides	4.01	2.63
		velocity	7.48	11.41	11.56	11.11	9.83		7.48	11.41
<b>Okeke, Aham (NOR) (1969)</b>	time		3.99	6.64	8.38	10.19	10.19	<b>/2</b>		
	reaction time	interval		2.65	1.74	1.81	<b>PB</b>	# of strides	3.99	2.65
		velocity	7.52	11.32	11.49	11.05	9.81		7.52	11.32
<b>Jackson, Tim (AUS) (1969)</b>	time		3.99	6.64	8.40	10.24	10.24	<b>/3</b>		
	reaction time	interval		2.65	1.76	1.84	<b>PB</b>	# of strides	3.99	2.65
		velocity	7.52	11.32	11.36	10.87	9.77		7.52	11.32
<b>Karlsson, Peter (SWE) (1970)</b>	time		3.96	6.64	8.40	10.25	10.25	<b>/4</b>		
	reaction time	interval		2.68	1.76	1.85		# of strides	3.96	2.68
		velocity	7.58	11.19	11.36	10.81	9.76		7.58	11.19
<b>Kjensli, Kennet (NOR) (1969)</b>	time		3.93	6.60	8.39	10.29	10.29	<b>/5</b>		
	reaction time	interval		2.67	1.79	1.90		# of strides	3.93	2.67
		velocity	7.63	11.24	11.17	10.53	9.72		7.63	11.24
<b>Eriksson, Torbjörn (SWE) (1971)</b>	time		3.98	6.69	8.48	10.35	10.35	<b>/6</b>		
	reaction time	interval		2.71	1.79	1.87	<b>PB</b>	# of strides	3.98	2.71
		velocity	7.54	11.07	11.17	10.70	9.66		7.54	11.07
<b>Ghansah, Matias (SWE) (1974)</b>	time		4.00	6.72	8.53	10.39	10.39	<b>/7</b>		
	reaction time	interval		2.72	1.81	1.86		# of strides	4.00	2.72
		velocity	7.50	11.03	11.05	10.75	9.62		7.50	11.03
<b>Hedner, Lars (SWE) (1967)</b>	time		4.07	6.77	8.55	10.40	10.40	<b>/8</b>		
	reaction time	interval		2.70	1.78	1.85		# of strides	4.07	2.70
		velocity	7.37	11.11	11.24	10.81	9.62		7.37	11.11
<b>Leandersson, Thomas (SWE) (1967)</b>	time		4.01	6.79	8.65	10.55	10.55	<b>/1</b>		
	reaction time	interval		2.78	1.86	1.90		# of strides	4.01	2.78
		velocity	7.48	10.79	10.75	10.53	9.48		7.48	10.79
<b>Wennolf, Mikael (SWE) (1971)</b>	time		4.00	6.81	8.66	10.55	10.55	<b>/2</b>		
	reaction time	interval		2.81	1.85	1.89		# of strides	4.00	2.81
		velocity	7.50	10.68	10.81	10.58	9.48		7.50	10.68
<b>Mårtensson, Torbjörn (SWE) (1971)</b>	time		4.09	6.87	8.70	10.61	10.61	<b>/3</b>		
	reaction time	interval		2.78	1.83	1.91		# of strides	4.09	2.78
		velocity	7.33	10.79	10.93	10.47	9.43		7.33	10.79
<b>Juusela, Lasse (FIN) (1972)</b>	time		4.00	6.81	8.72	10.65	10.65	<b>/4</b>		
	reaction time	interval		2.81	1.91	1.93		# of strides	4.00	2.81
		velocity	7.50	10.68	10.47	10.36	9.39		7.50	10.68
<b>Elofsson, Fredrik (SWE) (1973)</b>	time		4.04	6.87	8.75	10.68	10.68	<b>/5</b>		
	reaction time	interval		2.83	1.88	1.93		# of strides	4.04	2.83
		velocity	7.43	10.60	10.64	10.36	9.36		7.43	10.60
<b>Ridanpää, Tero (FIN) (1972)</b>	time		4.06	6.89	8.74	10.69	10.69	<b>/6</b>		
	reaction time	interval		2.83	1.85	1.95		# of strides	4.06	2.83
		velocity	7.39	10.60	10.81	10.26	9.35		7.39	10.60
<b>Strenius, Patrik (SWE) (1972)</b>	time		4.08	6.90	8.78	10.74	10.74	<b>/7</b>		
	reaction time	interval		2.82	1.88	1.96		# of strides	4.08	2.82
		velocity	7.35	10.64	10.64	10.20	9.31		7.35	10.64
<b>Sivle, Per Ivar (NOR) (1970)</b>	time		4.13	7.02	8.90	10.85	10.85	<b>/8</b>		
	reaction time	interval		2.89	1.88	1.95		# of strides	4.13	2.89
		velocity	7.26	10.38	10.64	10.26	9.22		7.26	10.38

**1994 Italian National Championships (Naples, ITA)****FINAL**

	date	04-Jul-94	wind	1.0 m/s											<i>Locatelli (2000) - the mechanics and energetics of the 100m sprint (in Jarver (ed.), sprints and hurdles (2000))</i>			
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Levorato, Luca (ITA) (1971)</b>	time			1.84	3.00	3.96	4.91	5.82	6.72				10.59	10.59	<b>??</b>			
	reaction time	interval			1.16	0.96	0.95	0.91	0.90				3.87		# of strides	3.96	2.76	
		velocity	5.43	8.62	10.42	10.53	10.99	11.11				10.34	9.44			7.58	10.87	
<b>Menchini, Marco (ITA) (1968)</b>	time			1.88	3.04	4.03	4.97	5.92	6.86				10.63	10.63	<b>??</b>			
	reaction time	interval			1.16	0.99	0.94	0.95	0.94				3.77		# of strides	4.03	2.83	
		velocity	5.32	8.62	10.10	10.64	10.53	10.64				10.61	9.41			7.44	10.60	
<b>Amici, Andrea (ITA) (1971)</b>	time			1.86	3.00	3.99	4.92	5.82	6.74				10.69	10.69	<b>??</b>			
	reaction time	interval			1.14	0.99	0.93	0.90	0.92				3.95		# of strides	3.99	2.75	
		velocity	5.38	8.77	10.10	10.75	11.11	10.87				10.13	9.35			7.52	10.91	

**Semi-Final 2**

		date	04-Jul-97		wind		1.0 m/s		<i>Locatelli (2000) - the mechanics and energetics of the 100m sprint (in Jarver (ed.), sprints and hurdles (2000))</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Orlandi, Alessandro (ITA) (1972)</b>	time		1.86	3.00	3.96	4.88	5.77	6.68				10.45	10.45	/ 3				
	reaction time			1.14	0.96	0.92	0.89	0.91				3.77	<b>PB</b>	# of strides	3.96	2.72		
	velocity		5.38	8.77	10.42	10.87	11.24	10.99				10.61	9.57		7.58	11.03		

**1994 DLV Gala (Duisburg, GER)****FINAL**

		date	12-Jun-94		wind		1.9 m/s		<i>Stein (1994) - fur sprinter - das training vom 1994</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Blume, Marc (GER) (1973)</b>	time				3.94			6.62		8.41		10.24	10.24	??				
	reaction time							2.68		1.79		1.83	<b>PB</b>	# of strides	3.94	2.68		
	velocity				7.61			11.19		11.17		10.93	9.77		7.61	11.19		

**Heat ?????**

		date	??		wind		??		<i>Stein (1994) - fur sprinter - das training vom 1994</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Blume, Holger (GER) (1973)</b>	time				4.01			6.76		8.59		10.47	10.47	??				
	reaction time							2.75		1.83		1.88		# of strides	4.01	2.75		
	velocity				7.48			10.91		10.93		10.64	9.55		7.48	10.91		

**1993 IAAF World Championships (Stuttgart, GER)****FINAL**

		date	15-Aug-93		wind		0.3 m/s		<i>Stein (1993) - verbesserung der schnelligkeit</i> <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Christie, Linford (GBR) (1960)</b>	time				3.85			6.45		8.15		9.87	9.87	4 / 1			<i>Graubner (2007)</i>	
	reaction time	0.140						2.60		1.70		1.72	<b>AR</b>	# of strides	3.85	2.60		
	velocity				7.79			11.54		11.76		11.63	10.13		44.5	7.79	11.54	
<b>Cason, André (USA) (1969)</b>	time				3.83			6.43		8.15		9.92	9.92	6 / 2			<i>Graubner (2007)</i>	
	reaction time	0.183						2.60		1.72		1.77	<b>PB</b>	# of strides	3.83	2.60		
	velocity				7.83			11.54		11.63		11.30	10.08		48.5	7.83	11.54	
<b>Mitchell, Dennis (USA) (1966)</b>	time				3.83			6.46		8.22		9.99	9.99	7 / 3			<i>Stein (1993)</i>	
	reaction time	0.128						2.63		1.76		1.77		# of strides	3.83	2.63		
	velocity				7.83			11.41		11.36		11.30	10.01		46.2	7.83	11.41	
<b>Lewis, Carl (USA) (1961)</b>	time				3.95			6.59		8.30		10.02	10.02	3 / 4			<i>Stein (1993)</i>	
	reaction time	0.144						2.64		1.71		1.72		# of strides	3.95	2.64		
	velocity				7.59			11.36		11.70		11.63	9.98		43.5	7.59	11.36	
<b>Surin, Bruny (CAN) (1967)</b>	time				3.86			6.49		8.24		10.02	10.02	2 / 5			<i>Stein (1993)</i>	
	reaction time	0.148						2.63		1.75		1.78		# of strides	3.86	2.63		
	velocity				7.77			11.41		11.43		11.24	9.98		44.5	7.77	11.41	
<b>Fredricks, Frank (NAM) (1967)</b>	time				3.87			6.50		8.25		10.03	10.03	1 / 6			<i>Stein (1993)</i>	
	reaction time	0.146						2.63		1.75		1.78		# of strides	3.87	2.63		
	velocity				7.75			11.41		11.43		11.24	9.97		45.0	7.75	11.41	
<b>Effiong, Daniel (NGR) (1972)</b>	time				3.89			6.50		8.25		10.04	10.04	5 / 7			<i>Stein (1993)</i>	
	reaction time	0.164						2.61		1.75		1.79		# of strides	3.89	2.61		
	velocity				7.71			11.49		11.43		11.17	9.96		43.7	7.71	11.49	
<b>Stewart, Raymond (JAM) (1965)</b>	time				3.89			6.51		8.34		10.18	10.18	8 / 8			<i>Stein (1993)</i>	
	reaction time	0.166						2.62		1.83		1.84		# of strides	3.89	2.62		
	velocity				7.71			11.45		10.93		10.87	9.82		45.7	7.71	11.45	

**Semi-Final 1**

		date	15-Aug-93		wind		0.3 m/s		<i>Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Mahorn, Atlee (CAN) (1965)</b>	time				3.96			6.64		8.42		10.21	10.21	2 / 5				
	reaction time							2.68		1.78		1.79		# of strides	3.96	2.68		
	velocity				7.58			11.19		11.24		11.17	9.79		44.0	7.58	11.19	

**Quarter-Final 2**

		date	14-Aug-93		wind		-0.1 m/s		<i>Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Blume, Marc (GER) (1973)</b>	time				3.93			6.65		8.47		10.32	10.32	5 / 5				
	reaction time							2.72		1.82		1.85		# of strides	3.93	2.72		
	velocity				7.63			11.03		10.99		10.81	9.69		45.2	7.63	11.03	

**1993 German National Championships (Duisburg, GER)****FINAL**

		date	11-Jul-93		wind		-0.8 m/s		<i>Stein (1994) - fur sprinter - das training vom 1994</i>									
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
<b>Blume, Marc (GER) (1973)</b>	time				3.85			6.57		8.41		10.30	10.30	/ 1				
	reaction time							2.72		1.84		1.89	<b>PB</b>	# of strides	3.85	2.72		
	velocity				7.79			11.03		10.87		10.58	9.71		7.79	11.03		

## Heat 4

	date	9-Jul-93	wind	0.0 m/s	<i>Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?</i>												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Konieczny, Christian (GER) (1972)</b>	time				3.95			6.67		8.47		10.35	10.37	/ 1			
	reaction time	interval						2.72		1.80		1.88	<b>PB</b>	# of strides	3.95	2.72	
		velocity			7.59			11.03		11.11		10.64	9.64		7.59	11.03	

## Heat ?????

	date	??	wind	??	<i>Stein (1994) - fur sprinter - das training vom 1994</i>												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Blume, Holger (GER) (1973)</b>	time				3.97			6.76		8.63		10.54	10.54	??			
	reaction time	interval						2.79		1.87		1.91		# of strides	3.97	2.79	
<i>10.Jul.93 - 10.54 (0.8 m/s) (H4?)</i>		velocity			7.56			10.75		10.70		10.47	9.49		7.56	10.75	

## 1992 Olympic Games (Barcelona, ESP)

## FINAL

	date	1-Aug-92	wind	0.5 m/s	<i>Arnold (1992) - 1992 Olympic report: 100m men</i>												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Christie, Linford (GBR) (1960)</b>	time				2.93		4.74	6.48		8.22		9.98	9.96	5 / 1			
	reaction time	0.139	interval				1.81	1.74		1.74		1.76		# of strides			
			velocity		6.83		11.05	11.49		11.49		11.36	10.04		44.5		
<b>Fredericks, Frank (NAM) (1967)</b>	time				2.91		4.74	6.50		8.26		10.03	10.02	3 / 2			
	reaction time	0.138	interval				1.83	1.76		1.76		1.77		# of strides			
			velocity		6.87		10.93	11.36		11.36		11.30	9.98		46.0		
<b>Mitchell, Dennis (USA) (1966)</b>	time				2.93		4.76	6.52		8.28		10.05	10.04	4 / 3			
	reaction time	0.143	interval				1.83	1.76		1.76		1.77		# of strides			
			velocity		6.83		10.93	11.36		11.36		11.30	9.96		46.2		
<b>Surin, Bruny (CAN) (1967)</b>	time				2.89		4.72	6.50		8.28		10.07	10.09	1 / 4			
	reaction time	0.124	interval				1.83	1.78		1.78		1.79		# of strides			
			velocity		6.92		10.93	11.24		11.24		11.17	9.91		44.2		
<b>Burrell, Leroy (USA) (1967)</b>	time				2.99		4.82	6.58		8.32		10.11	10.10	6 / 5			
	reaction time	0.165	interval				1.83	1.76		1.74		1.79		# of strides			
			velocity		6.69		10.93	11.36		11.49		11.17	9.90		43.0		
<b>Adeniken, Olapade (NGR) (1969)</b>	time				3.01		4.84	6.58		8.34		10.12	10.12	8 / 6			
	reaction time	0.183	interval				1.83	1.74		1.76		1.78		# of strides			
			velocity		6.64		10.93	11.49		11.36		11.24	9.88		46.0		
<b>Stewart, Raymond (JAM) (1965)</b>	time				2.95		4.78	6.56		8.36		10.22	10.22	2 / 7			
	reaction time	0.134	interval				1.83	1.78		1.80		1.86		# of strides			
			velocity		6.78		10.93	11.24		11.11		10.75	9.78		46.2		
<b>Ezinwa, Davidson (NGR) (1971)</b>	time				2.99		4.84	6.62		8.42		10.26	10.26	7 / 8			
	reaction time	0.172	interval				1.85	1.78		1.80		1.84		# of strides			
			velocity		6.69		10.81	11.24		11.11		10.87	9.75		46.0		

## 1991 IAAF World Championships (Tokyo, JPN)

## FINAL

	date	25-Aug-91	wind	1.2 m/s	<i>Ae (1992) - The men's 100m (1991 WC)</i>												
			10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Lewis, Carl (USA) (1961)</b>	time				1.88		2.96	3.88		4.77		5.61	6.46	7.30	8.13	9.00	9.86
	reaction time	0.140	interval				1.08	0.92		0.89		0.84	0.85	0.84	0.83	0.87	0.86
			velocity		5.32		9.26	10.87		11.24		11.90	11.76	11.90	12.05	11.49	11.63
<b>Burrell, Leroy (USA) (1967)</b>	time				1.83		2.89	3.80		4.68		5.55	6.41	7.28	8.12	9.01	9.88
	reaction time	0.120	interval				1.06	0.91		0.88		0.87	0.86	0.87	0.84	0.89	0.87
			velocity		5.46		9.43	10.99		11.36		11.49	11.63	11.49	11.90	11.24	11.49
<b>Mitchell, Dennis (USA) (1966)</b>	time				1.80		2.87	3.80		4.68		5.55	6.42	7.28	8.14	9.02	9.91
	reaction time	0.090	interval				1.07	0.93		0.88		0.87	0.86	0.86	0.88	0.89	0.89
			velocity		5.56		9.35	10.75		11.36		11.49	11.63	11.63	11.63	11.36	11.24
<b>Christie, Linford (GBR) (1960)</b>	time				1.85		2.91	3.83		4.72		5.57	6.43	7.29	8.14	9.04	9.92
	reaction time	0.126	interval				1.06	0.92		0.89		0.85	0.86	0.86	0.85	0.90	0.88
			velocity		5.41		9.43	10.87		11.24		11.76	11.63	11.63	11.76	11.11	11.36
<b>Fredericks, Frank (NAM) (1967)</b>	time				1.86		2.92	3.84		4.73		5.60	6.47	7.33	8.18	9.07	9.95
	reaction time	0.151	interval				1.06	0.92		0.89		0.87	0.87	0.86	0.85	0.89	0.88
			velocity		5.38		9.43	10.87		11.24		11.49	11.63	11.63	11.76	11.24	11.36
<b>Stewart, Raymond (JAM) (1965)</b>	time				1.81		2.88	3.79		4.68		5.54	6.41	7.29	8.16	9.06	9.96
	reaction time	0.114	interval				1.07	0.91		0.89		0.86	0.87	0.88	0.87	0.90	0.90
			velocity		5.52		9.35	10.99		11.24		11.63	11.49	11.36	11.49	11.11	11.11
<b>da Silva, Robson Caetano (BRA)</b>	(time				1.91		2.97	3.90		4.79		5.67	6.56	7.45	8.32	9.22	10.12

reaction time	0.172	interval	1.06	0.93	0.89	0.88	0.89	0.89	0.87	0.90	0.90		# of strides	3.90	2.66	2.66
velocity	5.24	9.43	10.75	11.24	11.36	11.24	11.24	11.49	11.11	11.11	9.88		44.5	7.69	11.28	11.28
<b>Surin, Bruny (CAN) (1967)</b>	time	1.88	2.95	3.87	4.77	5.66	6.56	7.44	8.31	9.22	10.14	10.14	1 / 8			
reaction time	0.148	interval	1.07	0.92	0.90	0.89	0.90	0.88	0.87	0.91	0.92		# of strides	3.87	2.69	2.66
velocity	5.32	9.35	10.87	11.11	11.24	11.11	11.36	11.49	10.99	10.87	9.86		44.0	7.75	11.15	11.28

## 1991 European Junior Championships (Thessaloniki, GRE)

## FINAL

date	8-Aug-91	wind	-0.4 m/s	<i>Stein (1993) - die beschleunigungsfähigkeit bestimmt die sprintleistung</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Blume, Marc (GER) (1973)</b>	time	1.96	3.03	4.04	4.98	5.88	6.82	7.76	8.70	9.65	10.64	10.64	/ 5			
reaction time	interval		1.07	1.01	0.94	0.90	0.94	0.94	0.94	0.95	0.99	<b>PB</b>	# of strides	4.04	2.78	2.83
velocity	5.10	9.35	9.90	10.64	11.11	10.64	10.64	10.64	10.53	10.10	9.40			7.43	10.79	10.60

## 1991 European Cup (Frankfurt, GER)

## FINAL

date	29-Jun-91	wind	0.5 m/s	<i>Federle (2003) - http://www.fgs.uni-halle.de</i>												
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>
<b>Christie, Linford (GBR) (1960)</b>	time			3.91			6.58		8.38		10.18	10.18	/ 1			
reaction time	interval						2.67		1.80		1.80		# of strides	3.91	2.67	
velocity	7.67			7.67			11.24		11.11		11.11	9.82		7.67	11.24	
<b>Sangouma, Daniel (FRA) (1965)</b>	time			3.90			6.59		8.37		10.20	10.20	/ 2			
reaction time	interval						2.69		1.78		1.83		# of strides	3.90	2.69	
velocity	7.69			7.69			11.15		11.24		10.93	9.80		7.69	11.15	
<b>Bringmann, Steffen (GER) (1964)</b>	time			4.02			6.74		8.55		10.42	10.42	/ 3			
reaction time	interval						2.72		1.81		1.87		# of strides	4.02	2.72	
velocity	7.46			7.46			11.03		11.05		10.70	9.60		7.46	11.03	
<b>Madonia, Ezio (ITA) (1966)</b>	time			4.01			6.75		8.57		10.42	10.42	/ 4			
reaction time	interval						2.74		1.82		1.85		# of strides	4.01	2.74	
velocity	7.48			7.48			10.95		10.99		10.81	9.60		7.48	10.95	
<b>Kovács, Attila (HUN) (1960)</b>	time			4.00			6.78		8.62		10.51	10.51	/ 5			
reaction time	interval						2.78		1.84		1.89		# of strides	4.00	2.78	
velocity	7.50			7.50			10.79		10.87		10.58	9.51		7.50	10.79	
<b>Savin, Vitaliy (URS) (1966)</b>	time			3.98			6.72		8.56		10.51	10.51	/ 6			
reaction time	interval						2.74		1.84		1.95		# of strides	3.98	2.74	
velocity	7.54			7.54			10.95		10.87		10.26	9.51		7.54	10.95	
<b>Antonov, Nikolay (BUL) (1968)</b>	time			4.11			6.90		8.76		10.66	10.66	/ 7			
reaction time	interval						2.79		1.86		1.90		# of strides	4.11	2.79	
velocity	7.30			7.30			10.75		10.75		10.53	9.38		7.30	10.75	
<b>Mezihorak, Jiri (TCH) (1965)</b>	time			4.02			6.84		8.75		10.72	10.72	/ 8			
reaction time	interval						2.82		1.91		1.97		# of strides	4.02	2.82	
velocity	7.46			7.46			10.64		10.47		10.15	9.33		7.46	10.64	

## 1989 IAAF World Cup (Barcelona, ESP)

## FINAL

date	08-Sep-89	wind	0.5 m/s	<i>Pascua (1990) - atletismo (I) carreras y marcha</i>													
		<b>10m</b>	<b>20m</b>	<b>30m</b>	<b>40m</b>	<b>50m</b>	<b>60m</b>	<b>70m</b>	<b>80m</b>	<b>90m</b>	<b>100m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-30m</b>	<b>30-60m</b>	<b>60-90m</b>	
<b>Christie, Linford (GBR) (1960)</b>	time		2.96		4.80	5.71	6.59	7.46	8.32		10.10	10.10	/ 1				
reaction time	0.147	interval			1.84	0.91	0.88	0.87	0.86		1.78		# of strides				
velocity	6.76			6.76			10.87	10.99	11.36	11.49	11.63	11.24	9.90	45.0			
<b>Burrell, Leroy (USA) (1967)</b>	time		2.99		4.85	5.73	6.61	7.48	8.36		10.15	10.15	/ 2				
reaction time	0.154	interval			1.86	0.88	0.88	0.87	0.88		1.79		# of strides				
velocity	6.69			6.69			10.75	11.36	11.36	11.49	11.36	11.17	9.85	43.8			
<b>Sangouma, Daniel (FRA) (1965)</b>	time		2.97		4.83	5.72	6.61	7.48	8.37		10.17	10.17	/ 3				
reaction time	0.162	interval			1.86	0.89	0.89	0.87	0.89		1.80	<b>=PB</b>	# of strides				
velocity	6.73			6.73			10.75	11.24	11.24	11.49	11.24	11.11	9.83	43.9			
<b>Adeniken, Olapade (NGR) (1969)</b>					no information available								10.20	/ 4			
<b>Jackson, Tim (AUS) (1969)</b>					no information available								10.38	/ 5			
<b>Matthas, Sven (GDR) (1969)</b>					no information available								10.41	/ 6			
<b>Arques, José Javier (ESP) (1960)</b>	time		3.01		4.91	5.84	6.76	7.69	8.62		10.48	10.48	/ 7				
reaction time	0.155	interval			1.90	0.93	0.92	0.93	0.93		1.86		# of strides				
velocity	6.64			6.64			10.53	10.75	10.87	10.75	10.75	9.54		47.1			
<b>Lestari, Mardi (INA) (1968)</b>					no information available								10.48	/ 8			
<b>Isasi, Joel (CUB) (1967)</b>					no information available								10.52	/ 9			

## 1988 Olympic Games (Seoul, KOR)

Bondachuk (2007) - transfer of training in sports

## FINAL

date 24-Sep-88 wind 1.1 m/s Brügemann (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	
Johnson, Ben (CAN) (1961)	time	1.83	2.87	3.80	4.66	5.50	6.33	7.17	8.02	8.89	9.79	9.79	6 / <del>4</del>	Brügemann (1990)			
	reaction time	0.132	interval	1.04	0.93	0.86	0.84	0.83	0.84	0.85	0.87	0.90	<del>WR</del> DV	# of strides	3.80	2.53	2.56
	velocity	5.46	9.62	10.75	11.63	11.90	12.05	11.90	11.76	11.49	11.11	10.21	46.6	7.89	11.86	11.72	
Lewis, Carl (USA) (1961)	time	1.89	2.96	3.90	4.79	5.65	6.48	7.33	8.18	9.04	9.92	9.92	3 / <del>2</del> 1	Brügemann (1990)			
	reaction time	0.136	interval	1.07	0.94	0.89	0.86	0.83	0.85	0.85	0.86	0.88	WR	# of strides	3.90	2.58	2.56
	velocity	5.29	9.35	10.64	11.24	11.63	12.05	11.76	11.76	11.63	11.36	10.08	43.6	7.69	11.63	11.72	
Christie, Linford (GBR) (1960)	time	1.92	2.97	3.92	4.81	5.66	6.50	7.36	8.22	9.09	9.97	9.97	4 / <del>3</del> 2	Brügemann (1990)			
	reaction time	0.138	interval	1.05	0.95	0.89	0.85	0.84	0.86	0.86	0.87	0.88	PB	# of strides	3.92	2.58	2.59
	velocity	5.21	9.52	10.53	11.24	11.76	11.90	11.63	11.63	11.49	11.36	10.03	43.8	7.65	11.63	11.58	
Smith, Calvin (USA) (1961)	time	1.92	2.95	3.90	4.79	5.65	6.50	7.36	8.23	9.10	9.99	9.99	5 / <del>4</del> 3	Bondachuk (2007)			
	reaction time	0.176	interval	1.03	0.95	0.89	0.86	0.85	0.86	0.87	0.87	0.89		# of strides	3.90	2.60	2.60
	velocity	5.21	9.71	10.53	11.24	11.63	11.76	11.63	11.49	11.49	11.24	10.01	43.9	7.69	11.54	11.54	
Mitchell, Dennis (USA) (1966)	time	1.92	2.97	3.93	4.83	5.69	6.54	7.41	8.28	9.16	10.04	10.04	8 / <del>5</del> 4	Brügemann (1990)			
	reaction time	0.186	interval	1.05	0.96	0.90	0.86	0.85	0.87	0.87	0.88	0.88		# of strides	3.93	2.61	2.62
	velocity	5.21	9.52	10.42	11.11	11.63	11.76	11.49	11.49	11.36	11.36	9.96	45.7	7.63	11.49	11.45	
da Silva, Robson Caetano (BRA)	time	1.92	2.97	3.93	4.83	5.70	6.57	7.45	8.33	9.22	10.11	10.11	1 / <del>6</del> 5	Brügemann (1990)			
	reaction time	0.155	interval	1.05	0.96	0.90	0.87	0.87	0.88	0.88	0.89	0.89		# of strides	3.93	2.64	2.65
	velocity	5.21	9.52	10.42	11.11	11.49	11.49	11.36	11.36	11.24	11.24	9.89	44.6	7.63	11.36	11.32	
Williams, Desai (CAN) (1959)	time	1.88	2.92	3.86	4.75	5.61	6.47	7.37	8.27	9.18	10.11	10.11	7 / <del>7</del> 6	Brügemann (1990)			
	reaction time	0.149	interval	1.04	0.94	0.89	0.86	0.86	0.90	0.90	0.91	0.93	PB	# of strides	3.86	2.61	2.71
	velocity	5.32	9.62	10.64	11.24	11.63	11.63	11.11	11.11	10.99	10.75	9.89	45.7	7.77	11.49	11.07	
Stewart, Raymond (JAM) (1965)	time	1.88	2.95	3.92	4.84	5.71	6.65				12.26	12.26	2 / <del>8</del> 7	Brügemann (1990)			
	reaction time	0.159	interval	1.07	0.97	0.92	0.87	0.94			5.61			# of strides	3.92	2.73	
	velocity	5.32	9.35	10.31	10.87	11.49	10.64				7.13	8.16		7.65	10.99		

## Semi-Final 2

date 24-Sep-88 wind -1.2 m/s Brügemann (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	
Johnson, Ben (CAN) (1961)	time	1.89	2.92	3.82	4.70	5.58	6.44	7.32	8.20	9.10	10.03	10.03	6 / <del>4</del>	Brügemann (1990)			
	reaction time		interval	1.03	0.90	0.88	0.86	0.88	0.88	0.90	0.93		DV	# of strides	3.82	2.62	2.66
	velocity	5.29	9.71	11.11	11.36	11.36	11.63	11.36	11.36	11.11	10.75	9.97		7.85	11.45	11.28	
Christie, Linford (GBR) (1960)	time	1.92	2.96	3.90	4.80	5.69	6.56	7.44	8.32	9.20	10.11	10.11	3 / <del>2</del> 1	Brügemann (1990)			
	reaction time		interval	1.04	0.94	0.90	0.89	0.87	0.88	0.88	0.91			# of strides	3.90	2.66	2.64
	velocity	5.21	9.62	10.64	11.11	11.24	11.49	11.36	11.36	11.36	10.99	9.89		7.69	11.28	11.36	
Mitchell, Dennis (USA) (1966)	time	1.91	2.95	3.88	4.79	5.70	6.59	7.49	8.40	9.31	10.23	10.23	5 / <del>3</del> 2	Brügemann (1990)			
	reaction time		interval	1.04	0.93	0.91	0.91	0.89	0.90	0.91	0.92			# of strides	3.88	2.71	2.72
	velocity	5.24	9.62	10.75	10.99	10.99	11.24	11.11	10.99	10.99	10.87	9.78		7.73	11.07	11.03	
da Silva, Robson Caetano (BRA)	time	1.97	3.01	3.96	4.86	5.76	6.64	7.54	8.44	9.33	10.24	10.24	4 / <del>4</del> 3	Brügemann (1990)			
	reaction time		interval	1.04	0.95	0.90	0.88	0.90	0.90	0.89	0.91			# of strides	3.96	2.68	2.69
	velocity	5.08	9.62	10.53	11.11	11.11	11.36	11.11	11.11	11.24	10.99	9.77		7.58	11.19	11.15	
Kovács, Attila (HUN) (1960)	time	1.97	3.02	3.97	4.89	5.81	6.70	7.59	8.49	9.39	10.31	10.31	2 / <del>5</del> 4	Brügemann (1990)			
	reaction time		interval	1.05	0.95	0.92	0.92	0.89	0.89	0.90	0.90	0.92		# of strides	3.97	2.73	2.69
	velocity	5.08	9.52	10.53	10.87	10.87	11.24	11.24	11.11	11.11	10.87	9.70		7.56	10.99	11.15	
Núñez, Juan (DOM) (1959)	time	1.97	3.01	3.94	4.87	5.79	6.68	7.59	8.50	9.42	10.35	10.35	7 / <del>6</del> 5	Brügemann (1990)			
	reaction time		interval	1.04	0.93	0.93	0.92	0.89	0.91	0.91	0.92	0.93		# of strides	3.94	2.74	2.74
	velocity	5.08	9.62	10.75	10.75	10.87	11.24	10.99	10.99	10.87	10.75	9.66		7.61	10.95	10.95	
Adeyanju, Isiak (NGR) (1959)	time	1.91	2.97	3.94	4.88	5.82	6.75	7.71	8.67	9.63	10.60	10.60	8 / <del>7</del> 6	Brügemann (1990)			
	reaction time		interval	1.06	0.97	0.94	0.94	0.93	0.96	0.96	0.97			# of strides	3.94	2.81	2.88
	velocity	5.24	9.43	10.31	10.64	10.64	10.75	10.42	10.42	10.42	10.31	9.43		7.61	10.68	10.42	

## Semi-Final 1

date 24-Sep-88 wind 0.6 m/s Brügemann (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	
Lewis, Carl (USA) (1961)	time	1.95	2.99	3.93	4.81	5.69	6.55	7.41	8.26	9.11	9.97	9.97	5 / 1	Brügemann (1990)			
	reaction time		interval	1.04	0.94	0.88	0.88	0.86	0.86	0.85	0.86			# of strides	3.93	2.62	2.56
	velocity	5.13	9.62	10.64	11.36	11.36	11.63	11.63	11.76	11.76	11.63	10.03		7.63	11.45	11.72	
Smith, Calvin (USA) (1961)	time	1.95	2.99	3.93	4.84	5.74	6.62	7.50	8.37	9.24	10.15	10.15	3 / 2	Brügemann (1990)			
	reaction time		interval	1.04	0.94	0.91	0.90	0.88	0.88	0.87	0.87	0.91		# of strides	3.93	2.69	2.62
	velocity	5.13	9.62	10.64	10.99	11.11	11.36	11.36	11.49	11.49	10.99	9.85		7.63	11.15	11.45	
Stewart, Raymond (JAM) (1965)	time	1.94	2.98	3.92	4.83	5.73	6.61	7.50	8.38	9.27	10.18	10.18	2 / 3	Brügemann (1990)			

Reaction Time	Interval Velocity	1.04	0.94	0.91	0.90	0.88	0.89	0.88	0.89	0.91	# of strides	3.92	2.69	2.66	
		5.15	9.62	10.64	10.99	11.11	11.36	11.24	11.36	11.24	10.99	7.65	11.15	11.28	
<b>Williams, Desai (CAN) (1959)</b>	time	1.89	2.92	3.85	4.75	5.65	6.53	7.44	8.36	9.28	10.24	10.24	4 / 4		
	reaction time		1.03	0.93	0.90	0.90	0.88	0.91	0.92	0.92	0.96	# of strides	3.85	2.68	2.75
	interval velocity	5.29	9.71	10.75	11.11	11.11	11.36	10.99	10.87	10.87	10.42	9.77	7.79	11.19	10.91
<b>Silva, Arnaldo Oliveira (BRA) (1964)</b>	time	1.93	2.97	3.93	4.84	5.75	6.64	7.56	8.48	9.40	10.32	10.32	8 / 5		
	reaction time		1.04	0.96	0.91	0.91	0.89	0.92	0.92	0.92	0.92	# of strides	3.93	2.71	2.76
	interval velocity	5.18	9.62	10.42	10.99	10.99	11.24	10.87	10.87	10.87	10.87	9.69	7.63	11.07	10.87
<b>Adeniken, Olapade (NGR) (1969)</b>	time	1.99	3.06	4.02	4.92	5.82	6.70	7.60	8.51	9.42	10.33	10.33	1 / 6		
	reaction time		1.07	0.96	0.90	0.90	0.88	0.90	0.91	0.91	0.91	# of strides	4.02	2.68	2.72
	interval velocity	5.03	9.35	10.42	11.11	11.11	11.36	11.11	10.99	10.99	10.99	9.68	7.46	11.19	11.03
<b>Lestari, Mardi (INA) (1968)</b>	time	2.01	3.06	4.00	4.90	5.80	6.69	7.60	8.52	9.45	10.39	10.39	7 / 7		
	reaction time		1.05	0.94	0.90	0.90	0.89	0.91	0.92	0.93	0.94	# of strides	4.00	2.69	2.76
	interval velocity	4.98	9.52	10.64	11.11	11.11	11.24	10.99	10.87	10.75	10.64	9.62	7.50	11.15	10.87
<b>Myles-Mills, John (GHA) (1966)</b>	time	2.01	3.06	4.01	4.91	5.81	6.71	7.63	8.56	9.49	10.43	10.43	6 / 8		
	reaction time		1.05	0.95	0.90	0.90	0.90	0.92	0.93	0.93	0.94	# of strides	4.01	2.70	2.78
	interval velocity	4.98	9.52	10.53	11.11	11.11	11.11	10.87	10.75	10.75	10.64	9.59	7.48	11.11	10.79

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

Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics

**FINAL**

date 30-Aug-87 wind 1.0 m/s Ward-Smith (2000) - investigation of kinetics of anaerobic metabolism by analysis of the performance of elite sprinters

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Johnson, Ben (CAN) (1961)</b>	time	1.84	2.86	3.80	4.67	5.53	6.38	7.23	8.10	8.96	9.83	9.83	5 / <del>4</del>	Ward-Smith (2000)		
	reaction time	0.109										<b>WR-DV</b>	# of strides	3.80	2.58	2.58
	interval velocity	5.43	9.80	10.64	11.49	11.63	11.76	11.76	11.49	11.63	11.49	10.17	46.2	7.89	11.63	11.63
<b>Lewis, Carl (USA) (1961)</b>	time	1.94	2.96	3.91	4.78	5.64	6.50	7.36	8.22	9.07	9.93	9.93	6 / <del>2</del> -1	Ward-Smith (2000)		
	reaction time	0.196											# of strides	3.91	2.59	2.57
	interval velocity	5.15	9.80	10.53	11.49	11.63	11.63	11.63	11.63	11.76	11.63	10.07	44.6	7.67	11.58	11.67
<b>Stewart, Raymond (JAM) (1965)</b>	time	1.99	3.04	3.98	4.89	5.76	6.62	7.49	8.35	9.22	10.08	10.08	3 / <del>3</del> -2	Ward-Smith (2000)		
	reaction time	0.235										<b>PB</b>	# of strides	3.98	2.64	2.60
	interval velocity	5.03	9.52	10.64	10.99	11.49	11.63	11.49	11.63	11.49	11.63	9.92	45.0	7.54	11.36	11.54
<b>Christie, Linford (GBR) (1960)</b>	time	1.97	3.01	3.97	4.87	5.76	6.62	7.49	8.37	9.26	10.14	10.14	8 / <del>4</del> -3	Ward-Smith (2000)		
	reaction time	0.155											# of strides	3.97	2.65	2.64
	interval velocity	5.08	9.62	10.42	11.11	11.24	11.63	11.49	11.36	11.24	11.36	9.86	44.6	7.56	11.32	11.36
<b>Kovács, Attila (HUN) (1960)</b>	time	1.97	3.01	3.98	4.89	5.77	6.67	7.55	8.44	9.33	10.20	10.20	4 / <del>5</del> -4	Ward-Smith (2000)		
	reaction time	0.201											# of strides	3.98	2.69	2.66
	interval velocity	5.08	9.62	10.31	10.99	11.36	11.11	11.36	11.24	11.24	11.49	9.80	47.0	7.54	11.15	11.28
<b>Bryzgin, Viktor (URS) (1962)</b>	time	1.94	3.00	3.97	4.87	5.77	6.66	7.56	8.45	9.35	10.25	10.25	1 / <del>6</del> -5	Ward-Smith (2000)		
	reaction time	0.139											# of strides	3.97	2.69	2.69
	interval velocity	5.15	9.43	10.31	11.11	11.11	11.24	11.11	11.24	11.11	11.11	9.76	46.0	7.56	11.15	11.15
<b>McRae, Lee (USA) (1966)</b>	time	1.92	2.98	3.94	4.87	5.77	6.66	7.58	8.50	9.42	10.34	10.34	7 / <del>7</del> -6	Ward-Smith (2000)		
	reaction time	0.225											# of strides	3.94	2.72	2.76
	interval velocity	5.21	9.43	10.42	10.75	11.11	11.24	10.87	10.87	10.87	10.87	9.67	46.6	7.61	11.03	10.87
<b>Pavoni, Pierfrancesco (ITA) (1963)</b>	time			4.33	5.47							16.23	2 / <del>8</del> -7	Moravec (1988)		
	reaction time	0.163			1.14								# of strides	4.33		
	interval velocity			6.93	8.77							6.16		6.93		

**Semi-Final 2**

date 30-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
<b>Lewis, Carl (USA) (1961)</b>	time	1.94	3.00	3.98	4.86	5.73	6.59	7.44	8.30	9.15	10.03	10.03	8 / 1			
	reaction time		1.06	0.98	0.88	0.87	0.86	0.85	0.86	0.85	0.88	<b>CR</b>	# of strides	3.98	2.61	2.56
	interval velocity	5.15	9.43	10.20	11.36	11.49	11.63	11.76	11.63	11.76	11.36	9.97	43.6	7.54	11.49	11.72
<b>Stewart, Raymond (JAM) (1965)</b>	time	1.94	3.00	3.96	4.86	5.74	6.60	7.47	8.35	9.23	10.12	10.12	3 / 2			
	reaction time		1.06	0.96	0.90	0.88	0.86	0.87	0.88	0.88	0.89	<b>PB</b>	# of strides	3.96	2.64	2.63
	interval velocity	5.15	9.43	10.42	11.11	11.36	11.63	11.49	11.36	11.36	11.24	9.88	44.8	7.58	11.36	11.41
<b>Kovács, Attila (HUN) (1960)</b>	time			3.95			6.62				10.22	10.22	1 / 3			
	reaction time						2.67				3.60		# of strides	3.95	2.67	
	interval velocity			7.59			11.24				11.11	9.78	47.5	7.59	11.24	
<b>Bryzgin, Viktor (URS) (1962)</b>	time			3.95			6.69				10.23	10.23	5 / 4			
	reaction time						2.74				3.54		# of strides	3.95	2.74	
	interval velocity			7.59			10.95				11.30	9.78	46.5	7.59	10.95	

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

## Semi-Final 1

		date	30-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				-0.3 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Johnson, Ben (CAN) (1961)	time				1.84	2.88	3.83	4.75	5.64	6.51	7.38	8.26	9.15	10.15	10.15	6 / <del>4</del>			
	reaction time														DV	# of strides	3.83	2.68	2.64
	velocity				5.43	9.62	10.53	10.87	11.24	11.49	11.49	11.36	11.24	10.00	9.85	45.5	7.83	11.19	11.36
Christie, Linford (GBR) (1960)	time														10.25	7 / <del>2</del> -1			
	reaction time														10.25	# of strides	3.96	2.70	
	velocity														3.59	44.5	7.58	11.11	
Pavoni, Pierfrancesco (ITA) (1963)	time														10.33	5 / <del>3</del> -2			
	reaction time														10.33	# of strides	3.95	2.74	
	velocity														3.64	44.7	7.59	10.95	
McRae, Lee (USA) (1966)	time														10.37	3 / <del>4</del> -3			
	reaction time														10.37	# of strides	3.95	2.74	
	velocity														3.68	48.0	7.59	10.95	

## Quarter-Final 4

		date	29-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				-0.4 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Stewart, Raymond (JAM) (1965)	time				1.92	2.97	3.92	4.83	5.72	6.59	7.46	8.33	9.21	10.14	10.14	5 / 1			
	reaction time														10.14	# of strides	3.92	2.67	2.62
	velocity				5.21	9.52	10.53	10.99	11.24	11.49	11.49	11.49	11.36	10.75	9.86	45.5	7.65	11.24	11.45
Johnson, Ben (CAN) (1961)	time				1.88	2.88	3.82	4.72	5.60	6.48	7.35	8.25	9.16	10.14	10.14	4 / <del>2</del>			
	reaction time														10.14	# of strides	3.82	2.66	2.68
	velocity				5.32	10.00	10.64	11.11	11.36	11.36	11.49	11.11	10.99	10.20	9.86	44.5	7.85	11.28	11.19

## Quarter-Final 3

		date	29-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				-0.1 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
McRae, Lee (USA) (1966)	time														10.21	3 / 2			
	reaction time														10.21	# of strides	3.89	2.70	
	velocity														3.62	47.5	7.71	11.11	
Pavoni, Pierfrancesco (ITA) (1963)	time														10.28	4 / 3			
	reaction time														10.28	# of strides	3.90	2.70	
	velocity														3.68	45.0	7.69	11.11	

## Quarter-Final 2

		date	29-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				-1.5 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Bryzgin, Viktor (URS) (1962)	time														10.29	6 / 1			
	reaction time														10.29	# of strides	3.92	2.72	
	velocity														3.65	46.7	7.65	11.03	

Francis (1997) - training for speed

## Quarter-Final 1

		date	29-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				-2.9 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lewis, Carl (USA) (1961)	time				2.01	3.07	4.05	4.98	5.88	6.77	7.66	8.56	9.46	10.38	10.38	6 / 1			
	reaction time														10.38	# of strides	4.05	2.72	2.69
	velocity				4.98	9.43	10.20	10.75	11.11	11.24	11.24	11.11	11.11	10.87	9.63	43.0	7.41	11.03	11.15
Christie, Linford (GBR) (1960)	time														10.40	5 / 2			
	reaction time														10.40	# of strides	4.01	2.75	
	velocity														3.64	45.2	7.48	10.91	
Kovács, Attila (HUN) (1960)	time														10.52	3 / 3			
	reaction time														10.52	# of strides	4.02	2.76	
	velocity														3.74	47.7	7.46	10.87	
Haas, Christian (FRG) (1958)	time				1.99	3.07	4.09	5.01	5.94	6.88	7.81	8.75	9.70	10.65	10.65	1 / 5			
	reaction time	0.176													10.65	# of strides	4.09	2.79	2.82
	velocity				5.03	9.26	9.80	10.87	10.75	10.64	10.75	10.64	10.53	10.53	9.39	45.0	7.33	10.75	10.64

## Heat 6

		date	29-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				1.5 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Lewis, Carl (USA) (1961)	time				1.92	2.98	3.93	4.82	5.70	6.57	7.42	8.27	9.13	10.05	10.05	7 / 1			
	reaction time														10.05	# of strides	3.93	2.64	2.56
	velocity				5.21	9.43	10.53	11.24	11.36	11.49	11.76	11.76	11.63	10.87	9.95	42.7	7.63	11.36	11.72
Kovács, Attila (HUN) (1960)	time														10.26	5 / 2			
	reaction time														10.26	# of strides	3.97	2.68	
	velocity														3.61	46.0	7.56	11.19	

## Heat 5

		date	29-Aug-87	wind	Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics														
				0.6 m/s	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Johnson, Ben (CAN) (1961)	time				1.91	2.93	3.87	4.78	5.67	6.55	7.44	8.34	9.26	10.24	10.24	6 / <del>4</del>			
	reaction time														10.24	# of strides	3.87	2.68	2.71
	velocity														9.98	45.0	7.33	10.75	10.64



velocity	5.24	9.80	10.64	10.99	11.24	11.36	11.24	11.11	10.87	10.20	9.77	45.5	7.75	11.19	11.07
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**Heat 4**

		date	29-Aug-87	wind	1.6 m/s	<i>Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics</i>												
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Pavoni, Pierfrancesco (ITA) (1963)</b>	time					4.01			6.67				10.24	10.24	/ 1			
	reaction time	interval							2.66				3.57		# of strides	4.01	2.66	
		velocity				7.48			11.28				11.20	9.77		7.48	11.28	
<b>Bryzgin, Viktor (URS) (1962)</b>	time					3.96			6.61				10.25	10.25	/ 2			
	reaction time	interval							2.65				3.64		# of strides	3.96	2.65	
		velocity				7.58			11.32				10.99	9.76		7.58	11.32	
<b>Christie, Linford (GBR) (1960)</b>	time					4.02			6.67				10.29	10.29	/ 3			
	reaction time	interval							2.65				3.62		# of strides	4.02	2.65	
		velocity				7.46			11.32				11.05	9.72		7.46	11.32	

**Heat 2**

		date	29-Aug-87	wind	1.3 m/s	<i>Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics</i>												
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>McRae, Lee (USA) (1966)</b>	time					3.92			6.67				10.34	10.34	/ 4			
	reaction time	interval							2.75				3.67		# of strides	3.92	2.75	
		velocity				7.65			10.91				10.90	9.67		7.65	10.91	

**Heat 1**

		date	29-Aug-87	wind	1.8 m/s	<i>Moravec (1988) - the 1987 IAF/IAAF scientific project report: time analysis at the 2nd WC in athletics</i>														
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Stewart, Raymond (JAM) (1965)</b>	time					1.99	3.05	4.00	4.92	5.79	6.65	7.52	8.39	9.28	10.23	10.23	/ 1			
	reaction time	interval					1.06	0.95	0.92	0.87	0.86	0.87	0.87	0.89	0.95		# of strides	4.00	2.65	2.63
		velocity				5.03	9.43	10.53	10.87	11.49	11.63	11.49	11.49	11.24	10.53	9.78	44.0	7.50	11.32	11.41

**1986 IAAF World Junior Championships (Athens, GRE)****FINAL**

		date	17-Jul-86	wind	0.8 m/s	<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>														
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m		
<b>Florence, Derrick (USA) (1968)</b>	time					1.93	3.00	3.97	4.83	5.72	6.61	7.46	8.43	9.25	10.17	10.17	/ 1			
	reaction time	interval					1.07	0.97	0.86	0.89	0.89	0.85	0.97	0.82	0.92	<b>CR</b>	# of strides	3.97	2.64	2.64
		velocity				5.18	9.35	10.31	11.63	11.24	11.24	11.76	10.31	12.20	10.87	9.83		7.56	11.36	11.36
<b>Kerr, Stanley (USA) (1967)</b>	time					2.01	3.09	4.03	4.90	5.77	6.64	7.54	8.49	9.31	10.23	10.23	/ 2			
	reaction time	interval					1.08	0.94	0.87	0.87	0.87	0.90	0.95	0.82	0.92		# of strides	4.03	2.61	2.67
		velocity				4.98	9.26	10.64	11.49	11.49	11.49	11.11	10.53	12.20	10.87	9.78		7.44	11.49	11.24
<b>Henderson, Jamie (GBR) (1969)</b>	time					1.92	2.99	3.98	4.85	5.74	6.65	7.56	8.55	9.41	10.34	10.34	/ 3			
	reaction time	interval					1.07	0.99	0.87	0.89	0.91	0.91	0.99	0.86	0.93		# of strides	3.98	2.67	2.76
		velocity				5.21	9.35	10.10	11.49	11.24	10.99	10.99	10.10	11.63	10.75	9.67		7.54	11.24	10.87
<b>Schlicht, Matthias (FRG) (1967)</b>						no information available								10.43	/ 4					
<b>Kirton, David (GBR) (1967)</b>						no information available								10.50	/ 5					
<b>Eregbu, Obinna (NGR) (1969)</b>						no information available								10.52	/ 6					
<b>Antonov, Nikolay (BUL) (1968)</b>						no information available								10.53	/ 7					
<b>Bozhinovski, Krasimir (BUL) (1967)</b>						no information available								10.64	/ 8					

**1986 Goodwill Games (Moscow, URS)****FINAL**

		date	09-Jul-86	wind	0.8 m/s	<i>Levchenko (1989) - 100 meters in 9.83: the birth of a record</i>												
				10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Johnson, Ben (CAN) (1961)</b>	time												9.95	9.95	/ <del>1</del>			
	reaction time	interval											2.61	3.48	<b>DV</b>	# of strides	3.86	2.61
		velocity											11.49	10.05		46.5	7.77	11.49
<b>Imoh, Chidi (NGR) (1963)</b>						no information available								10.04	/ <del>2</del> 1			
<b>Lewis, Carl (USA) (1961)</b>	time												10.06	10.06	/ <del>3</del> 2			
	reaction time	interval											2.69	3.45	# of strides	3.92	2.69	
		velocity											11.59	9.94		44.0	7.65	11.15
<b>McRae, Lee (USA) (1966)</b>						no information available								10.12	/ <del>4</del> 3			
<b>Morris, Michael (USA) (1963)</b>						no information available								10.21	/ <del>5</del> 4			
<b>Glance, Harvey (USA) (1957)</b>						no information available								10.24	/ <del>6</del> 5			
<b>Yushmanov, Nikolai (URS) (1961)</b>						no information available								10.26	/ <del>7</del> 6			
<b>Bryzgin, Viktor (URS) (1962)</b>						no information available								10.31	/ <del>8</del> 7			

**1984 Olympic Games (Los Angeles, CA)****FINAL**

		date	04-Aug-84	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
<b>Lewis, Carl (USA) (1961)</b>				0.177	no information available								9.99	7 / 1	# of strides	43.2		
<b>Graddy, Sam (USA) (1964)</b>				0.156	no information available								10.19	5 / 2	# of strides	46.0		
<b>Johnson, Ben (CAN) (1961)</b>				0.149	no information available								10.22	4 / 3	# of strides	47.2		
<b>Brown, Ron (USA) (1961)</b>				0.145	no information available								10.26	1 / 4	# of strides	47.0		

McFarlane, Mike (GBR) (1960)	0.161	no information available	<b>PB</b>	10.27	2 / 5	# of strides	49.0
Stewart, Raymond (JAM) (1965)	0.187	no information available		10.29	8 / 6	# of strides	45.2
Reid, Donovan (GBR) (1963)	0.147	no information available		10.33	6 / 7	# of strides	48.5
Sharpe, Tony (CAN) (1961)	0.147	no information available		10.35	3 / 8	# of strides	46.5

**1983 IAAF World Championships (Helsinki, FIN)****FINAL**

		date	08-Aug-83	wind	-0.3 m/s											<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>			
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Lewis, Carl (USA) (1961)</b>	time				2.92			4.80	5.67	6.55	7.43	8.28		10.07	10.07	3 / 1			
	reaction time	0.134						1.88	0.87	0.88	0.88	0.85		1.79	<b>CR</b>	# of strides		6.55	
	velocity				6.85			10.64	11.49	11.36	11.36	11.76		11.17	9.93	44.2		4.58	
<b>Smith, Calvin (USA) (1961)</b>	time				2.92			4.88	5.78	6.64	7.50	8.39		10.21	10.21	8 / 2			
	reaction time	0.130						1.96	0.90	0.86	0.86	0.89		1.82		# of strides		6.64	
	velocity				6.85			10.20	11.11	11.63	11.63	11.24		10.99	9.79	44.0		4.52	
<b>King, Emmitt (USA) (1959)</b>	time				2.91			4.74	5.63	6.52	7.41	8.29		10.24	10.24	2 / 3			
	reaction time	0.131						1.83	0.89	0.89	0.89	0.88		1.95		# of strides		6.52	
	velocity				6.87			10.93	11.24	11.24	11.24	11.36		10.26	9.77	46.2		4.60	
<b>Wells, Allan (GBR) (1952)</b>	time				2.92			4.80	5.70	6.60	7.51	8.40		10.27	10.27	1 / 4			
	reaction time	0.125						1.88	0.90	0.90	0.91	0.89		1.87		# of strides		6.60	
	velocity				6.85			10.64	11.11	11.11	10.99	11.24		10.70	9.74	47.2		4.55	
<b>Núñez, Juan (DOM) (1959)</b>	time				2.92			4.87	5.78	6.65	7.53	8.43		10.29	10.29	7 / 5			
	reaction time	0.131						1.95	0.91	0.87	0.88	0.90		1.86		# of strides		6.65	
	velocity				6.85			10.26	10.99	11.49	11.36	11.11		10.75	9.72	44.2		4.51	
<b>Haas, Christian (FRG) (1958)</b>	time				2.91			4.81	5.73	6.63	7.53	8.44		10.32	10.32	4 / 6			
	reaction time	0.137						1.90	0.92	0.90	0.90	0.91		1.88		# of strides		6.63	
	velocity				6.87			10.53	10.87	11.11	11.11	10.99		10.64	9.69	44.0		4.52	
<b>Narracott, Paul (AUS) (1959)</b>	time				2.90			4.85	5.77	6.65	7.54	8.44		10.33	10.33	6 / 7			
	reaction time	0.140						1.95	0.92	0.88	0.89	0.90		1.89		# of strides		6.65	
	velocity				6.90			10.26	10.87	11.36	11.24	11.11		10.58	9.68	47.7		4.51	
<b>Williams, Desai (CAN) (1959)</b>	time				2.92			4.81	5.72	6.61	7.51	8.43		10.36	10.36	5 / 8			
	reaction time	0.130						1.89	0.91	0.89	0.90	0.92		1.93		# of strides		6.61	
	velocity				6.85			10.58	10.99	11.24	11.11	10.87		10.36	9.65	46.2		4.54	

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

		date	08-Jun-83	wind	1.0 m/s											<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazzyklus 1981/84</i>			
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Schröder, Thomas (GDR) (1962)</b>	time													10.22	10.22	/ 1			
	reaction time													1.80	<b>PB</b>	# of strides	3.98	2.68	
	velocity							7.54						11.11	9.78		7.54	11.19	

**1982 East German Spitzenklasse (Cottbus, GDR)****FINAL**

		date	21-Aug-82	wind	1.7 m/s											<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazzyklus 1981/84</i>			
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Emmelmann, Frank (GDR) (1961)</b>	time													10.20	10.20	/ 1			
	reaction time													1.78		# of strides	3.99	2.67	
	velocity							7.52						11.24	9.80		7.52	11.24	

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

		date	09-Jul-82	wind	2.1 m/s											<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazzyklus 1981/84</i>			
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Smith, Calvin (USA) (1961)</b>	time													9.91	9.91	/ 1			
	reaction time													1.75		# of strides	3.90	2.56	
	velocity							7.69						11.43	10.09		7.69	11.72	
<b>Prenzler, Olaf (GDR) (1958)</b>	time													10.25	10.25	/ 3			
	reaction time													1.79		# of strides	4.02	2.66	
	velocity							7.46						11.17	9.76		7.46	11.28	

**1980 Olympic Games (Moscow, URS)****FINAL**

		date	25-Jul-80	wind	-1.1 m/s														
					10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Wells, Allan (GBR) (1952)</b>	0.193	no information available												10.25	10.25	8 / 1	# of strides	47.2	
<b>Leonard, Silvio (CUB) (1955)</b>	0.151	no information available												10.25	10.25	1 / 2	# of strides	45.2	
<b>Petrov, Petar (BUL) (1955)</b>	0.145	no information available												10.39	10.39	5 / 3	# of strides	47.0	
<b>Aksinin, Aleksandr (URS) (1954)</b>	0.131	no information available												10.42	10.42	2 / 4	# of strides	51.0	
<b>Lara, Osvaldo (CUB) (1955)</b>	0.155	no information available												10.43	10.43	7 / 5	# of strides	47.2	
<b>Muravyov, Vladimir (URS) (1959)</b>	0.161	no information available												10.44	10.44	3 / 6	# of strides	47.0	
<b>Woronin, Marian (POL) (1956)</b>	0.163	no information available												10.46	10.46	4 / 7	# of strides	45.0	

Panzo, Hermann (FRA) (1958) 0.130 no information available 10.49 6 / 8 # of strides 56.7

### 1980 Olympischen Tag (East Berlin, GDR)

**A FINAL** date 28-May-80 wind -0.5 m/s *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazzyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Emmelmann, Frank (GDR) (1961)	time			4.12			6.86		8.67		10.51	10.51	/ 5			
	reaction time						2.74		1.81		1.84		# of strides	4.12	2.74	
	interval															
	velocity			7.28			10.95		11.05		10.87	9.51		7.28	10.95	

### 1980 East German Spitzenklasse (Jena, GDR)

**FINAL** date 17-May-80 wind ??? *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazzyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Schröder, Thomas (GDR) (1962)	time			4.05			6.78		8.59		10.42	10.42	/ 3			
	reaction time						2.73		1.81		1.83		# of strides	4.05	2.73	
	interval															
	velocity			7.41			10.99		11.05		10.93	9.60		7.41	10.99	

### 1980 East German Olympic Qualifier (Potsdam, GDR)

**FINAL** date 10-May-80 wind ??? *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen im olympiazzyklus 1981/84*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>not entered</b>																
Kurrat, Klaus-Dieter (GDR) (1955)	time			4.04			6.72		8.50		10.34	10.33	/ 3			
	reaction time						2.68		1.78		1.84		# of strides	4.04	2.68	
Prenzler, Olaf (GDR) (1958)	velocity			7.43			11.19		11.24		10.87	9.68		7.43	11.19	

### 1977 East German National Championships (Dresden, GDR)

**FINAL** date 01-Jul-77 wind 1.6 m/s *Heß (1978) - die geschwindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazzyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ray, Eugen (GDR) (1957)	time			3.92			6.60		8.36		10.14	10.14	/ 1			
	reaction time						2.68		1.76		1.78	<b>=PB</b>	# of strides	3.92	2.68	
	interval															
	velocity			7.65			11.19		11.36		11.24	9.86		7.65	11.19	
Thieme, Alexander (GDR) (1954)	time			3.95			6.63		8.42		10.22	10.22	/ 2			
	reaction time						2.68		1.79		1.80		# of strides	3.95	2.68	
	interval															
	velocity			7.59			11.19		11.17		11.11	9.78		7.59	11.19	
Kokot, Manfred (GDR) (1948)	time			3.95			6.65		8.46		10.32	10.32	/ 3			
	reaction time						2.70		1.81		1.86		# of strides	3.95	2.70	
	interval															
	velocity			7.59			11.11		11.05		10.75	9.69		7.59	11.11	

### 1977 GDR vs. USSR vs. Poland (Karl-Marx-Stadt, GDR)

**FINAL** date 25-Jun-77 wind ??? *Heß (1978) - die geschwindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazzyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Kübeck, Detlef (GDR) (1956)	time			4.01			6.74		8.53		10.37	10.37	/ 2			
	reaction time						2.73		1.79		1.84		# of strides	4.01	2.73	
	interval															
	velocity			7.48			10.99		11.17		10.87	9.64		7.48	10.99	

### 1977 Olympischer Tag (East Berlin, GDR)

**FINAL** date 15-Jun-77 wind -1.1 m/s *Heß (1978) - die geschwindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazzyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Ray, Eugen (GDR) (1957)	time			3.95			6.64		8.47		10.30	10.30	/ 1			
	reaction time						2.69		1.83		1.83		# of strides	3.95	2.69	
	interval															
	velocity			7.59			11.15		10.93		10.93	9.71		7.59	11.15	

### 1976 Olympic Games (Montreal, CAN)

**FINAL** date 24-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
Crawford, Hasely (TTO) (1950)											<b>PB</b>	10.06	1 / 1		# of strides	45.2
Quarrie, Don (JAM) (1951)											<b>PB</b>	10.07	4 / 2		# of strides	47.0
Borzov, Valeriy (URS) (1949)												10.14	3 / 3		# of strides	45.5
Glance, Harvey (USA) (1957)												10.19	5 / 4		# of strides	49.0
Abrahams, Guy (PAN) (1953)											<b>PB</b>	10.25	8 / 5		# of strides	47.7
Jones, Johnny (USA) (1958)												10.27	6 / 6		# of strides	44.0
Kurrat, Klaus-Dieter (GDR) (1955)												10.31	7 / 7		# of strides	48.5
Petrov, Petar (BUL) (1955)												10.35	2 / 8		# of strides	46.0

### 1976 East German Olympic Qualifier (Karl-Marx-Stadt, GDR)

**FINAL** date 29-May-76 wind 1.9 m/s *Heß (1978) - die geschwindigkeitsdynamik von sprintern im 100m-lauf beir wettkampflaufen in olympiazzyklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Weise, Eberhard (GDR) (1953)	time			3.98			6.76		8.58		10.42	10.42	/ 3			
	reaction time						2.78		1.82		1.84	<b>PB</b>	# of strides	3.98	2.78	
	interval															
	velocity			7.54			10.79		10.99		10.87	9.60		7.54	10.79	

### 1976 East German National Indoor Championships (East Berlin, GDR)

**FINAL** date 25-Jan-76 *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
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<b>Ray, Eugen (GDR) (1957)</b>	time	3.90	6.60	8.37	10.16	10.16	/ 1	<i>Tepper (1978)</i>
reaction time	interval		2.70	1.77	1.79	<b>WJBi</b>	# of strides	3.90 2.70
	velocity	7.69	11.11	11.30	11.17	9.84		7.69 11.11
<b>Kurrat, Klaus-Dieter (GDR) (1955)</b>	time	3.94	6.70	8.54	10.41	10.41	/ 2	<i>Heß (1978)</i>
reaction time	interval		2.76	1.84	1.87		# of strides	3.94 2.76
	velocity	7.61	10.87	10.87	10.70	9.61		7.61 10.87

## 1975 Olympischer Tag (East Berlin, GDR)

## A FINAL

date 11-May-75 wind 2.2 m/s *Heß (1978) - die geschwindigkeitsdynamik von sprintern im 100m-lauf bei wettkampflaufen in olympiazklus 1973/76*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Ray, Eugen (GDR) (1957)</b>	time			3.94			6.70		8.55		10.43	10.43	/ 1			
reaction time	interval						2.76		1.85		1.88		# of strides	3.94	2.76	
	velocity			7.61			10.87		10.81		10.64	9.59		7.61	10.87	

## 1972 Olympic Games (München, FRG)

## FINAL

date 01-Sep-72 wind 0.3 m/s *Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*  
*Breizer (1984) - sprint competition analysis*

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Borzov, Valeriy (URS) (1949)</b>	time	1.91	2.95	3.91	4.82	5.72	6.58	7.46	8.35	9.24	10.14	10.14	2 / 1			<i>Moravec (1986)</i>
reaction time	interval		1.04	0.96	0.91	0.90	0.86	0.88	0.89	0.89	0.90		# of strides	3.91	2.67	2.66
	velocity	5.24	9.62	10.42	10.99	11.11	11.63	11.36	11.24	11.24	11.11	9.86		46.5	7.67	11.24 11.28
<b>Taylor, Robert (USA) (1948)</b>	time			3.96			6.63		8.39		10.24	10.24	4 / 2			
reaction time	interval						2.67		1.76		1.85		# of strides	3.96	2.67	
	velocity			7.58			11.24		11.36		10.81	9.77		45.5	7.58	11.24
<b>Miller, Lennox (JAM) (1946)</b>	time			4.01			6.67		8.48		10.33	10.33	5 / 3			
reaction time	interval						2.66		1.81		1.85		# of strides	4.01	2.66	
	velocity			7.48			11.28		11.05		10.81	9.68		46.5	7.48	11.28
<b>Kornelyuk, Aleksandr (URS) (1950)</b>	time			3.88			6.61		8.43		10.35	10.36	6 / 4			
reaction time	interval						2.73		1.82		1.92		# of strides	3.88	2.73	
	velocity			7.73			10.99		10.99		10.42	9.65		50.0	7.73	10.99
<b>Fray, Mike (JAM) (1947)</b>	time			3.98			6.73		8.53		10.40	10.40	8 / 5			
reaction time	interval						2.75		1.80		1.87		# of strides	3.98	2.75	
	velocity			7.54			10.91		11.11		10.70	9.62		46.0	7.54	10.91
<b>Hirscht, Jobst (FRG) (1948)</b>	time			3.94			6.67		8.50		10.40	10.40	7 / 6			
reaction time	interval						2.73		1.83		1.90		# of strides	3.94	2.73	
	velocity			7.61			10.99		10.93		10.53	9.62		49.5	7.61	10.99
<b>Nowosz, Zenon (POL) (1944)</b>	time			3.96			6.73		8.55		10.45	10.46	1 / 7			
reaction time	interval						2.77		1.82		1.90		# of strides	3.96	2.77	
	velocity			7.58			10.83		10.99		10.53	9.56		47.0	7.58	10.83
<b>Crawford, Hasely (TTO) (1950)</b>												dnf	3 / --			

## 1968 Olympic Games (Mexico City, MEX) (Altitude)

## FINAL

date 14-Oct-68 wind 0.3 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
<b>Hines, Jim (USA) (1946)</b>	time			3.84			6.48		8.20		9.95	9.95	3 / 1			
reaction time	interval						2.64		1.72		1.75	<b>WR</b>	# of strides	3.84	2.64	
	velocity			7.81			11.36		11.63		11.43	10.05		45.0	7.81	11.36
<b>Miller, Lennox (JAM) (1946)</b>												10.04	4 / 2			# of strides 47.0
<b>Greene, Charlie (USA) (1944)</b>												10.07	1 / 3			# of strides 49.0
<b>Montes, Pablo (CUB) (1945)</b>												10.14	2 / 4			# of strides 46.5
<b>Bambuck, Roger (FRA) (1945)</b>												10.15	5 / 5			# of strides 48.5
<b>Pender, Mel (USA) (1937)</b>												10.17	6 / 6			# of strides 46.5
<b>Jerome, Harry (CAN) (1940)</b>												10.20	7 / 7			# of strides 49.0
<b>Ravelomanantsoa, Jean-Louis (MAD) (1943)</b>												10.27	8 / 8			# of strides 47.2

## 1964 Olympic Games (Tokyo, JPN)

## FINAL

date 15-Oct-64 wind 1.1 m/s

		10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
<b>Hayes, Bob (USA) (1942)</b>										(10.06)	<b>=WR</b>	10.0	1 / 1			# of strides 47.0
<b>Figuerola, Enrique (CUB) (1938)</b>										(10.25)		10.2	3 / 2			# of strides 49.0
<b>Jerome, Harry (CAN) (1940)</b>										(10.27)		10.2	5 / 3			# of strides 51.0
<b>Maniak, Wiesław (POL) (1938)</b>										(10.42)		10.4	6 / 4			# of strides 50.7
<b>Schumann, Heinz (EUA/FRG) (1936)</b>										(10.46)		10.4	2 / 5			# of strides 48.5
<b>Koné, Gaoussou (CIV) (1944)</b>										(10.47)		10.4	4 / 6			# of strides 46.2
<b>Pender, Mel (USA) (1937)</b>										(10.47)		10.4	8 / 6			# of strides 49.7
<b>Robinson, Tom (BAH) (1938)</b>										(10.57)		10.5	7 / 8			# of strides 46.2

**1960 Olympic Games (Rome, ITA)****FINAL**

date 01-Sep-60 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
Hary, Armin (EUA/FRG) (1937)	no information available								(10.32)	=OR	10.2	6 / 1	# of strides	46.0	
Sime, Dave (USA) (1936)	no information available								(10.35)	=OR	10.2	1 / 2	# of strides	44.0	
Radford, Peter (GBR) (1939)	no information available								(10.42)		10.3	5 / 3	# of strides	46.0	
Figuerola, Enrique (CUB) (1938)	no information available								(10.44)		10.3	4 / 4	# of strides	48.0	
Budd, Frank (USA) (1939)	no information available								(10.46)		10.3	2 / 5	# of strides	44.7	
Norton, Ray (USA) (1937)	no information available								(10.50)		10.4	3 / 6	# of strides	48.7	

**1959 San Jose University Meeting (San Jose, CA)****FINAL**

date 18-Apr-59 wind 1.3 m/s

*Hymans (2015) - progression of IAAF world records*

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Norton, Ray (USA) (1937)	time				5.6					10.1	10.1	/ 1			
	reaction time									4.5	WR	# of strides			
	interval									11.11	9.90				
	velocity				8.93										

**1956 Olympic Games (Melbourne, AUS)****FINAL**

date 24-Nov-56 wind -5.0 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Morrow, Bobby (USA) (1935)	no information available								(10.62)		10.5	6 / 1	# of strides	49.5	
Baker, Thane (USA) (1931)	no information available								(10.77)		10.5	5 / 2	# of strides	49.5	
Hogan, Hector (AUS) (1931)	no information available								(10.77)		10.6	8 / 3	# of strides	48.0	
Murchison, Ira (USA) (1933)	no information available								(10.79)		10.6	3 / 4	# of strides	54.0	
Germer, Manfred (EUA/FRG) (1935)	no information available								(10.86)		10.7	7 / 5	# of strides	48.7	
Agostini, Michael (TTO) (1935)	no information available								(10.88)		10.7	4 / 6	# of strides	50.5	

**1952 Olympic Games (Helsinki, FIN)****FINAL**

date 21-Jul-52 wind Unknown

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Remigino, Lindy (USA) (1931)	no information available								(10.79)		10.4	4 / 1	# of strides	50.0	
McKenley, Herb (JAM) (1922)	no information available								(10.80)		10.4	3 / 2	# of strides	48.7	
Bailey, McDonald (GBR) (1920)	no information available								(10.83)		10.4	6 / 3	# of strides	47.5	
Smith, Dean (USA) (1932)	no information available								(10.84)		10.4	5 / 4	# of strides	48.0	
Sukharev, Vladimir (URS) (1924)	no information available								(10.88)		10.5	2 / 5	# of strides	47.0	
Treloar, John (AUS) (1928)	no information available								(10.91)		10.5	7 / 6	# of strides	46.7	

**1948 Olympic Games (London, GBR)****FINAL**

date 31-Jul-48 wind 1.6 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Dillard, Harrison (USA) (1923)	no information available									=OR	10.3	7 / 1	# of strides	47.5	
Ewell, Barney (USA) (1918)	no information available										10.4	3 / 2	# of strides	49.2	
LaBeach, Lloyd (PAN) (1922)	no information available										10.6	4 / 3	# of strides	46.0	
McCorquodale, Alastair (GBR) (1925)	no information available											5 / 4	# of strides	46.5	
Patton, Mel (USA) (1924)	no information available											2 / 5	# of strides	47.7	
Bailey, McDonald (GBR) (1920)	no information available											6 / 6	# of strides	47.5	

**1941 Compton Invitational (Compton, CA)****Heat ???**

date 06-Jun-41 wind -0.9 m/s

*Quercentani (2000). Athletics: A history of modern track and field athletics (1860-2000)*

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Davis, Harold (USA) (1921)	time				5.7					10.2	10.2	/ 1			
	reaction time									4.5	=WR	# of strides			
	interval									11.11	9.80				
	velocity				8.77										

**1936 Olympic Games (Berlin, GER)****FINAL**

date 03-Aug-36 wind 2.7 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Owens, Jesse (USA) (1913)	no information available									OR	10.3	2 / 1	# of strides	48.7	
Metcalfe, Ralph (USA) (1910)	no information available										10.4	7 / 2	# of strides	48.2	
Osendarp, Martinus (NED) (1916)	no information available										10.5	5 / 3	# of strides	49.5	
Wykoff, Frank (USA) (1909)	no information available										10.6	6 / 4	# of strides	51.0	
Borchmeyer, Erich (GER) (1905)	no information available										10.7	4 / 5	# of strides	47.2	
Strandberg, Lennart (SWE) (1915)	no information available										10.9	3 / 6	# of strides		

**1932 Olympic Games (Los Angeles, CA)****FINAL**

date 01-Aug-32 wind 0.2 - 0.4 m/s

	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Tolan, Eddie (USA) (1908)	no information available								(10.38)	=WR	10.3	7 / 1	# of strides	53.0	
Metcalfe, Ralph (USA) (1910)	no information available								(10.38)	=WR	10.3	4 / 2	# of strides	48.0	
Jonath, Arthur (GER) (1909)	no information available								(10.50)		10.4	6 / 3	# of strides	48.0	
Simpson, George (USA) (1908)	no information available								(10.53)		10.5	5 / 4	# of strides	47.0	
Joubert, Daniel (RSA) (1909)	no information available								(10.59)		10.6	3 / 5	# of strides	47.0	
Yoshioka, Takayoshi (JPN) (1909)	no information available								(10.78)		10.7	2 / 6	# of strides	52.0	

**1928 Olympic Games (Amsterdam, NED)****FINAL**

	date	30-Jul-28	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Williams, Percy (CAN) (1908)			no information available									10.8	4 / 1	# of strides	47.5		
London, Jack (GBR) (1905)			no information available									10.9e	5 / 2	# of strides	45.7		
Lammers, Georg (GER) (1905)			no information available									10.9e	3 / 3	# of strides	49.0		
Wykoff, Frank (USA) (1909)			no information available									11.0e	7 / 4	# of strides	49.2		
Legg, Wilfred (RSA) (1906)			no information available									11.0e	2 / 5	# of strides	48.0		
McAllister, Robert (USA) (1899)			no information available									11.0e	6 / 6	# of strides	50.0		

**1924 Olympic Games (Paris, FRA)****FINAL**

	date	07-Jul-24	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Abrahams, Harold (GBR) (1899)			no information available								=OR	10.6	4 / 1				
Scholz, Jackson (USA) (1897)			no information available									10.7e	2 / 2				
Porritt, Arthur (NZL) (1900)			no information available									10.8e	6 / 3				
Bowman, Chester (USA) (1901)			no information available									10.9e	5 / 4				
Paddock, Charles (USA) (1900)			no information available									10.9e	1 / 5				
Murchison, Loren (USA) (1898)			no information available									11.0e	3 / 6				

**1920 Olympic Games (Antwerp, BEL)****FINAL**

	date	16-Aug-20	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Paddock, Charles (USA) (1900)			no information available									10.8	3 / 1	# of strides	48.5		
Kirksey, Morris (USA) (1895)			no information available									10.8	1 / 2	# of strides	48.5		
Edward, Harry (GBR) (1898)			no information available									10.9e	6 / 3	# of strides	47.0		
Scholz, Jackson (USA) (1897)			no information available									10.9e	5 / 4	# of strides	50.0		
Ali Kahn, Émile (FRA) (1902)			no information available									11.1e	4 / 5	# of strides	48.0		
Murchison, Loren (USA) (1898)			no information available									11.2e	2 / 6	# of strides	51.0		

**1912 Olympic Games (Stockholm, SWE)****FINAL**

	date	07-Jul-12	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Craig, Ralph (USA) (1889)			no information available									10.8	2 / 1				
Meyer, Alvah (USA) (1888)			no information available									10.9	1 / 2				
Lippincott, David (USA) (1893)			no information available									10.9	4 / 3				
Patching, George (RSA) (1886)			no information available									10.9e	3 / 4				
Beloit, Frank (USA) (1883)			no information available									10.9e	5 / 5				

**1908 Olympic Games (London, GBR) (587y Track)****FINAL**

	date	22-Jul-08	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Walker, Reggie (RSA) (1889)			no information available									10.8/10.7e	1 / 1				
Rector, James (USA) (1884)			no information available									10.8e	2 / 2				
Kerr, Robert (CAN) (1882)			no information available									10.8e	4 / 3				
Cartmell, Nate (USA) (1883)			no information available									11.0e	3 / 4				

**1906 Intercalated Games (Athens, GRE)****FINAL**

	date	27-Apr-06	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Hahn, Archie (USA) (1880)			no information available									11.2	1 / 1				
Moulton, Fay (USA) (1876)			no information available									11.4e	3 / 2				
Barker, Nigel (AUS) (1883)			no information available									11.4e	6 / 3				
Eaton, William (USA) (1882)			no information available									11.5e	2 / 4				
Robertson, Lawson (USA) (1883)			no information available									11.5e	5 / 5				
Lindberg, Knut (SWE) (1882)			no information available									11.8e	4 / 6				

**1904 Olympic Games (St. Louis, Mo)****FINAL**

	date	03-Sep-04	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Hahn, Archie (USA) (1880)			no information available									11.0	/ 1				
Cartmell, Nate (USA) (1883)			no information available									11.2e	/ 2				
Hogenson, William (USA) (1884)			no information available									11.3e	/ 3				
Moulton, Fay (USA) (1876)			no information available									11.4e	/ 4				
Heckwolf, Frederick (USA) (1879)			no information available										/ 5				
Robertson, Lawson (USA) (1883)			no information available										/ 6				

**1900 Olympic Games (Paris, FRA) (500m Grass Track)****FINAL**

	date	14-Jul-00	wind								100m	Official Time	Lane / Place	0-30m	30-60m	60-90m	
			10m	20m	30m	40m	50m	60m	70m	80m							90m
Jarvis, Frank (USA) (1878)			no information available									11.0	/ 1				
Tewksbury, Walter (USA) (1876)			no information available									11.1e	/ 2				
Rowley, Stan (AUS) (1876)			no information available									11.2e	/ 3				
Duffey, Arthur (USA) (1879)			no information available									dnf					

**1896 Olympic Games (Athens, GRE) (333.33m Track)****FINAL**

	date	10-Apr-96	wind	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m	Official Time	Lane / Place	0-30m	30-60m	60-90m
Burke, Thomas (USA) (1875)				no information available										12.0	4 / 1			
Hofmann, Fritz (GER) (1871)				no information available										12.2e	5 / 2			
Szokoly, Alajos (HUN) (1871)				no information available										12.6e	2 / 3			
Lane, Frank (USA) (1874)				no information available										12.6e	1 / 4			
Halkokondilis, Alexandros (GRE) (1880)				no information available										12.6e	3 / 5			

