

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

LAST UPDATE: 5-Mar-25

## 2024 Chinese National Championships (Quzhou, CHN)

## FINAL

		date	16-Sep-24	wind	-1.1 m/s	Shandong Athletics Sport Science (2024)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sun Qingchi (CHN) (2000)	time				10.64	15.46	20.59	20.59	6 / 1			
	reaction time	0.164				4.82	5.13	<b>PB</b>	# of strides	10.64	9.95	0.69
	interval				9.40	10.37	9.75	9.71	88.2	9.40	10.05	
Liu Ke (CHN) (2000)	time				10.61	15.51	20.82	20.82	5 / 2			
	reaction time	0.164				4.90	5.31		# of strides	10.61	10.21	0.40
	interval				9.43	10.20	9.42	9.61	93.0	9.43	9.79	
Liu Shuoyuan (CHN) (2002)	time				10.81	15.67	20.85	20.85	3 / 3			
	reaction time	0.167				4.86	5.18		# of strides	10.81	10.04	0.77
	interval				9.25	10.29	9.65	9.59	91.5	9.25	9.96	
Shi Junhao (CHN) (2005)	time				10.69	15.61	20.89	20.89	4 / 4			
	reaction time	0.164				4.92	5.28		# of strides	10.69	10.20	0.49
	interval				9.35	10.16	9.47	9.57	92.2	9.35	9.80	
Liu Zengsheng (CHN) (2003)	time				10.93	15.90	21.19	21.19	1 / 5			
	reaction time	0.197				4.97	5.29		# of strides	10.93	10.26	0.67
	interval				9.15	10.06	9.45	9.44	93.0	9.15	9.75	
Fang Fenghe (CHN) (2001)	time				10.88	15.88	21.33	21.33	8 / 6			
	reaction time	0.196				5.00	5.45		# of strides	10.88	10.45	0.43
	interval				9.19	10.00	9.17	9.38	87.2	9.19	9.57	

## Semi-Final 3

		date	15-Sep-24	wind	-0.6 m/s	Shandong Athletics Sport Science (2024)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Guan Xin (CHN) (2001)	time				10.54	15.41	20.84	20.84	7 / 1			
	reaction time	0.197				4.87	5.43		# of strides	10.54	10.30	0.24
	interval				9.49	10.27	9.21	9.60	89.2	9.49	9.71	
Fang Fenghe (CHN) (2001)	time				10.65	15.54	20.92	20.92	5 / 2			
	reaction time	0.169				4.89	5.38	<b>PB</b>	# of strides	10.65	10.27	0.38
	interval				9.39	10.22	9.29	9.56	87.0	9.39	9.74	
Liu Zengsheng (CHN) (2003)	time				10.62	15.55	20.97	20.97	6 / 3			
	reaction time	0.209				4.93	5.42		# of strides	10.62	10.35	0.27
	interval				9.42	10.14	9.23	9.54	91.5	9.42	9.66	
Meng Desheng (CHN) (2006)	time				10.87	15.88	21.32	21.32	8 / 5			
	reaction time	0.243				5.01	5.44		# of strides	10.87	10.45	0.42
	interval				9.20	9.98	9.19	9.38	91.2	9.20	9.57	

## Semi-Final 2

		date	15-Sep-24	wind	0.9 m/s	Shandong Athletics Sport Science (2024)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Liu Ke (CHN) (2000)	time				10.57	15.71	20.70	20.70	5 / 1			
	reaction time	0.173				5.14	4.99		# of strides	10.57	10.13	0.44
	interval				9.46	9.73	10.02	9.66	90.5	9.46	9.87	
Shi Junhao (CHN) (2005)	time				10.59	15.52	20.80	20.80	6 / 2			
	reaction time	0.200				4.93	5.28		# of strides	10.59	10.21	0.38
	interval				9.44	10.14	9.47	9.62	91.2	9.44	9.79	
Zhang Donghai (CHN) (2000)	time				10.76	15.71	20.91	20.91	4 / 3			
	reaction time	0.187				4.95	5.20		# of strides	10.76	10.15	0.61
	interval				9.29	10.10	9.62	9.56	93.0	9.29	9.85	

## Semi-Final 1

		date	15-Sep-24	wind	0.2 m/s	Shandong Athletics Sport Science (2024)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Sun Qingchi (CHN) (2000)	time				10.77	15.57	20.72	20.72	5 / 1			
	reaction time	0.177				4.80	5.15		# of strides	10.77	9.95	0.82
	interval											

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

	velocity	9.29	10.42	9.71	9.65	87.5	9.29	10.05	
<b>Liu Shuoyuan (CHN) (2002)</b>	time	10.79	15.63	20.90	20.90	6 / 2			
	reaction time	0.157	interval	4.84	5.27	# of strides	10.79	10.11	0.68
	velocity	9.27	10.33	9.49	9.57	89.0	9.27	9.89	

**Heat 4**

date 14-Sep-24 wind 1.8 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liu Ke (CHN) (2000)</b>	time	10.57	15.71	20.56	20.56	20.56	5 / 1			
	reaction time	0.173	interval	5.14	4.85	<b>PB</b>	# of strides	10.57	9.99	0.58
	velocity	9.46	9.73	10.31	9.73	9.73	90.5	9.46	10.01	
<b>Zhang Jiajun (CHN) (2005)</b>	time	10.59	15.52	20.86	20.86	20.86	8 / 2			
	reaction time	0.200	interval	4.93	5.34	<b>PB</b>	# of strides	10.59	10.27	0.32
	velocity	9.44	10.14	9.36	9.59	9.59	91.2	9.44	9.74	
<b>Xie Zhenye (CHN) (1993)</b>	time	10.76	15.71	20.95	20.95	20.95	7 / 3			
	reaction time	0.187	interval	4.95	5.24		# of strides	10.76	10.19	0.57
	velocity	9.29	10.10	9.54	9.55	9.55	93.0	9.29	9.81	

**Heat 2**

date 14-Sep-24 wind 0.5 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liu Shuoyuan (CHN) (2002)</b>	time	10.66	15.52	20.75	20.75	20.75	7 / 1			
	reaction time	0.161	interval	4.86	5.23		# of strides	10.66	10.09	0.57
	velocity	9.38	10.29	9.56	9.64	9.64	90.0	9.38	9.91	
<b>Fang Fenghe (CHN) (2001)</b>	time	10.71	15.66	20.99	20.99	20.99	2 / 2			
	reaction time	0.172	interval	4.95	5.33	<b>PB</b>	# of strides	10.71	10.28	0.43
	velocity	9.34	10.10	9.38	9.53	9.53		9.34	9.73	
<b>Tian Junhao (CHN) (2000)</b>	time	10.80	15.83	21.17	21.17	21.17	5 / 3			
	reaction time	0.174	interval	5.03	5.34		# of strides	10.80	10.37	0.43
	velocity	9.26	9.94	9.36	9.45	9.45	88.0	9.26	9.64	
<b>Meng Desheng (CHN) (2006)</b>	time	10.86	15.85	21.21	21.21	21.21	8 / 4			
	reaction time	0.228	interval	4.99	5.36		# of strides	10.86	10.35	0.51
	velocity	9.21	10.02	9.33	9.43	9.43	91.5	9.21	9.66	

**Heat 1**

date 14-Sep-24 wind -0.6 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sun Qingchi (CHN) (2000)</b>	time	10.68	15.48	20.89	20.89	20.89	5 / 1			
	reaction time	0.172	interval	4.80	5.41		# of strides	10.68	10.21	0.47
	velocity	9.36	10.42	9.24	9.57	9.57		9.36	9.79	
<b>Zhang Xiaonan (CHN) (2001)</b>	time	10.70	15.68	21.07	21.07	21.07	7 / 2			
	reaction time	0.157	interval	4.98	5.39		# of strides	10.70	10.37	0.33
	velocity	9.35	10.04	9.28	9.49	9.49		9.35	9.64	
<b>Wang Qi (CHN) (1995)</b>	time	10.71	15.69	21.11	21.11	21.11	6 / 3			
	reaction time	0.183	interval	4.98	5.42		# of strides	10.71	10.40	0.31
	velocity	9.34	10.04	9.23	9.47	9.47		9.34	9.62	
<b>Li Yanjing (CHN) (2000)</b>	time	10.98	16.00	21.40	21.40	21.40	3 / 4			
	reaction time	0.153	interval	5.02	5.40		# of strides	10.98	10.42	0.56
	velocity	9.11	9.96	9.26	9.35	9.35	89.0	9.11	9.60	
<b>Jiang Junpeng (CHN) (1999)</b>	time	10.91	15.96	21.44	21.44	21.44	2 / 5			
	reaction time	0.165	interval	5.05	5.48		# of strides	10.91	10.53	0.38
	velocity	9.17	9.90	9.12	9.33	9.33	91.0	9.17	9.50	

**2024 Memorial van damme (Brussels, BEL)****FINAL**

date 14-Sep-24 wind 0.7 m/s

Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.75	10.23	14.82	19.67	19.67	6 / 1			
	reaction time	0.169	interval	4.48	4.85		# of strides	10.23	9.44	0.79

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

	velocity	8.70	11.16	10.89	10.31	10.17	84.0	9.78	10.59	
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.79	10.30	14.87	19.80	19.80	7 / 2			
	reaction time	0.162	interval	4.51	4.57	4.93	# of strides	10.30	9.50	0.80
	velocity	8.64	11.09	10.94	10.14	10.10	84.0	9.71	10.53	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.94	10.47	15.07	19.97	19.97	8 / 3			
	reaction time	0.156	interval	4.53	4.60	4.90	# of strides	10.47	9.50	0.97
	velocity	8.42	11.04	10.87	10.20	10.02	88.2	9.55	10.53	
<b>Lindsey, Courtney (USA) (1998)</b>	time	5.88	10.43	15.13	20.21	20.21	4 / 4			
	reaction time	0.173	interval	4.55	4.70	5.08	# of strides	10.43	9.78	0.65
	velocity	8.50	10.99	10.64	9.84	9.90	91.0	9.59	10.22	
<b>Kerley, Fred (USA) (1995)</b>	time	5.94	10.57	15.31	20.21	20.21	5 / 5			
	reaction time	0.146	interval	4.63	4.74	4.90	# of strides	10.57	9.64	0.93
	velocity	8.42	10.80	10.55	10.20	9.90	84.2	9.46	10.37	
<b>King, Kyree (USA) (1994)</b>	time	5.85	10.48	15.31	20.45	20.45	3 / 6			
	reaction time	0.155	interval	4.63	4.83	5.14	# of strides	10.48	9.97	0.51
	velocity	8.55	10.80	10.35	9.73	9.78	89.5	9.54	10.03	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.98	10.66	15.46	20.53	20.53	2 / 7			
	reaction time	0.121	interval	4.68	4.80	5.07	# of strides	10.66	9.87	0.79
	velocity	8.36	10.68	10.42	9.86	9.74	83.0	9.38	10.13	
<b>Zeze, Ryan (FRA) (1998)</b>	time	5.95	10.70	15.66	21.20	21.20	1 / 8			
	reaction time	0.136	interval	4.75	4.96	5.54	# of strides	10.70	10.50	0.20
	velocity	8.40	10.53	10.08	9.03	9.43	89.0	9.35	9.52	

**2024 Weltklasse (Zürich, SUI)****FINAL**

	date	05-Sep-24	wind	0.4 m/s	Omega Timing (2024) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.83	10.30	14.84	19.55	19.55	6 / 1				
	reaction time	0.148	interval	4.47	4.54	4.71	# of strides	10.30	9.25	1.05	
	velocity	8.58	11.19	11.01	10.62	10.23	81.5	9.71	10.81		
<b>Bednarek, Kenneth (USA) (199)</b>	time	5.75	10.20	14.75	19.57	19.57	7 / 2				
	reaction time	0.182	interval	4.45	4.55	4.82	<b>PB</b>	# of strides	10.20	9.37	0.83
	velocity	8.70	11.24	10.99	10.37	10.22	83.0	9.80	10.67		
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.80	10.26	14.85	19.79	19.79	5 / 3				
	reaction time	0.152	interval	4.46	4.59	4.94	# of strides	10.26	9.53	0.73	
	velocity	8.62	11.21	10.89	10.12	10.11	83.0	9.75	10.49		
<b>Kerley, Fred (USA) (1995)</b>	time	5.86	10.36	14.97	19.81	19.81	4 / 4				
	reaction time	0.162	interval	4.50	4.61	4.84	# of strides	10.36	9.45	0.91	
	velocity	8.53	11.11	10.85	10.33	10.10	84.7	9.65	10.58		
<b>Ogando, Alexander (DOM) (200)</b>	time	5.92	10.36	14.93	19.87	19.87	8 / 5				
	reaction time	0.161	interval	4.44	4.57	4.94	# of strides	10.36	9.51	0.85	
	velocity	8.45	11.26	10.94	10.12	10.07	84.0	9.65	10.52		
<b>Lindsey, Courtney (USA) (1998)</b>	time	5.76	10.26	15.00	20.17	20.17	3 / 6				
	reaction time	0.184	interval	4.50	4.74	5.17	# of strides	10.26	9.91	0.35	
	velocity	8.68	11.11	10.55	9.67	9.92	91.2	9.75	10.09		
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	6.00	10.61	15.42	20.52	20.52	2 / 7				
	reaction time	0.141	interval	4.61	4.81	5.10	# of strides	10.61	9.91	0.70	
	velocity	8.33	10.85	10.40	9.80	9.75	82.7	9.43	10.09		
<b>Mumenthaler, Timothé (SUI) (2)</b>	time	5.93	10.57	15.49	20.72	20.72	1 / 8				
	reaction time	0.143	interval	4.64	4.92	5.23	# of strides	10.57	10.15	0.42	
	velocity	8.43	10.78	10.16	9.56	9.65	87.0	9.46	9.85		

**2024 Kamila Skolimowska Memorial (Silesia, POL)**

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

## FINAL

date 25-Aug-24

wind 0.6 m/s

Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.96	10.48	15.04	19.83	19.83	7 / 1			
	reaction time	0.187	interval	4.52	4.56	4.79	# of strides	10.48	9.35	1.13
	velocity	8.39	11.06	10.96	10.44	10.09	83.5	9.54	10.70	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.98	10.48	15.02	19.86	19.86	8 / 2			
	reaction time	0.129	interval	4.50	4.54	4.84	<b>NR PB</b> # of strides	10.48	9.38	1.10
	velocity	8.36	11.11	11.01	10.33	10.07	89.7	9.54	10.66	
<b>Bednarek, Kenneth (USA) (199)</b>	time	5.86	10.36	14.98	20.00	20.00	6 / 3			
	reaction time	0.189	interval	4.50	4.62	5.02	# of strides	10.36	9.64	0.72
	velocity	8.53	11.11	10.82	9.96	10.00	85.0	9.65	10.37	
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.98	10.49	15.13	20.07	20.07	5 / 4			
	reaction time	0.200	interval	4.51	4.64	4.94	# of strides	10.49	9.58	0.91
	velocity	8.36	11.09	10.78	10.12	9.97	85.5	9.53	10.44	
<b>King, Kyree (USA) (1994)</b>	time	5.87	10.43	15.16	20.27	20.27	4 / 5			
	reaction time	0.158	interval	4.56	4.73	5.11	# of strides	10.43	9.84	0.59
	velocity	8.52	10.96	10.57	9.78	9.87	90.0	9.59	10.16	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	6.11	10.74	15.47	20.39	20.39	3 / 6			
	reaction time	0.164	interval	4.63	4.73	4.92	# of strides	10.74	9.65	1.09
	velocity	8.18	10.80	10.57	10.16	9.81	83.0	9.31	10.36	
<b>Maswanganyi, Shaun (RSA) (20)</b>	time	5.97	10.54	15.32	20.55	20.55	9 / 7			
	reaction time	0.170	interval	4.57	4.78	5.23	# of strides	10.54	10.01	0.53
	velocity	8.38	10.94	10.46	9.56	9.73	83.0	9.49	9.99	
<b>Desalu, Eseosa (ITA) (1994)</b>	time	6.09	10.75	15.50	20.62	20.62	2 / 8			
	reaction time	0.170	interval	4.66	4.75	5.12	# of strides	10.75	9.87	0.88
	velocity	8.21	10.73	10.53	9.77	9.70	89.0	9.30	10.13	
<b>Komanski, Albert (POL) (2000)</b>	time	6.13	10.97	15.95	21.07	21.07	1 / 9			
	reaction time	0.163	interval	4.84	4.98	5.12	# of strides	10.97	10.10	0.87
	velocity	8.16	10.33	10.04	9.77	9.49	87.7	9.12	9.90	

## 2024 Athletissima (Lausanne, SUI)

## FINAL

date 22-Aug-24

wind 0.9 m/s

Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.77	10.27	14.83	19.64	19.64	6 / 1			
	reaction time	0.148	interval	4.50	4.56	4.81	# of strides	10.27	9.37	0.90
	velocity	8.67	11.11	10.96	10.40	10.18	83.0	9.74	10.67	
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.77	10.21	14.82	19.78	19.78	7 / 2			
	reaction time	0.130	interval	4.44	4.61	4.96	# of strides	10.21	9.57	0.64
	velocity	8.67	11.26	10.85	10.08	10.11	84.5	9.79	10.45	
<b>Kerley, Fred (USA) (1995)</b>	time	5.82	10.42	15.01	19.86	19.86	8 / 3			
	reaction time	0.157	interval	4.60	4.59	4.85	# of strides	10.42	9.44	0.98
	velocity	8.59	10.87	10.89	10.31	10.07	85.2	9.60	10.59	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.93	10.43	15.00	19.94	19.94	5 / 4			
	reaction time	0.147	interval	4.50	4.57	4.94	# of strides	10.43	9.51	0.92
	velocity	8.43	11.11	10.94	10.12	10.03	89.0	9.59	10.52	
<b>Richards, Jereem (TTO) (1994)</b>	time	5.87	10.44	15.14	20.10	20.10	3 / 5			
	reaction time	0.142	interval	4.57	4.70	4.96	# of strides	10.44	9.66	0.78
	velocity	8.52	10.94	10.64	10.08	9.95	86.7	9.58	10.35	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.97	10.53	15.21	20.18	20.18	4 / 6			
	reaction time	0.170	interval	4.56	4.68	4.97	# of strides	10.53	9.65	0.88
	velocity	8.38	10.96	10.68	10.06	9.91	82.0	9.50	10.36	
<b>Mumenthaler, Timothé (SUI) (2)</b>	time	5.87	10.47	15.29	20.54	20.54	2 / 7			

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

reaction time	0.124	interval	4.60	4.82	5.25		# of strides	10.47	10.07	0.40
		velocity	8.52	10.87	10.37	9.52	9.74	90.0	9.55	9.93
<b>Reais, William (SUI) (1999)</b>	time	5.94	10.61	15.51	20.75	20.75	1 / 8			
reaction time	0.124	interval	4.67	4.90	5.24		# of strides	10.61	10.14	0.47
		velocity	8.42	10.71	10.20	9.54	9.64	87.0	9.43	9.86

## 2024 Olympic Games (Paris, FRA)

## FINAL

date 08-Aug-24

wind 0.4 m/s

Paris 2024 Olympic Games - Results Book (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.70	10.12	14.65	19.46	19.46	7 / 1				
reaction time	0.162	interval	4.42	4.53	4.81	AR	# of strides	10.12	9.34	0.78	
		velocity	8.77	11.31	11.04	10.40	10.28	83.5	9.88	10.71	
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.68	10.10	14.69	19.62	19.62	8 / 2				
reaction time	0.163	interval	4.42	4.59	4.93		# of strides	10.10	9.52	0.58	
		velocity	8.80	11.31	10.89	10.14	10.19	84.7	9.90	10.50	
<b>Lyles, Noah (USA) (1997)</b>	time	5.73	10.18	14.78	19.70	19.70	5 / 3				
reaction time	0.173	interval	4.45	4.60	4.92		# of strides	10.18	9.52	0.66	
		velocity	8.73	11.24	10.87	10.16	10.15	85.2	9.82	10.50	
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.82	10.31	14.98	19.99	19.99	6 / 4				
reaction time	0.157	interval	4.49	4.67	5.01		# of strides	10.31	9.68	0.63	
		velocity	8.59	11.14	10.71	9.98	10.01	85.0	9.70	10.33	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.88	10.36	15.01	20.02	20.02	4 / 5				
reaction time	0.142	interval	4.48	4.65	5.01		# of strides	10.36	9.66	0.70	
		velocity	8.50	11.16	10.75	9.98	9.99	89.5	9.65	10.35	
<b>Makarawu, Tapiwanashe (ZIM) (</b>	time	5.82	10.39	15.11	20.10	20.10	2 / 6				
reaction time	0.137	interval	4.57	4.72	4.99		# of strides	10.39	9.71	0.68	
		velocity	8.59	10.94	10.59	10.02	9.95	86.0	9.62	10.30	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.97	10.52	15.21	20.15	20.15	9 / 7				
reaction time	0.171	interval	4.55	4.69	4.94		# of strides	10.52	9.63	0.89	
		velocity	8.38	10.99	10.66	10.12	9.93	80.5	9.51	10.38	
<b>Charamba, Makanakaishe (ZIM)</b>	time	6.04	10.69	15.51	20.53	20.53	3 / 8				
reaction time	0.145	interval	4.65	4.82	5.02		# of strides	10.69	9.84	0.85	
		velocity	8.28	10.75	10.37	9.96	9.74	83.2	9.35	10.16	

## Semi-Final 3

date 07-Aug-24

wind -0.6 m/s

Paris 2024 Olympic Games - Results Book (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.86	10.39	15.09	20.09	20.09	8 / 1				
reaction time	0.158	interval	4.53	4.70	5.00		# of strides	10.39	9.70	0.69	
		velocity	8.53	11.04	10.64	10.00	9.96	85.0	9.62	10.31	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.89	10.39	15.12	20.12	20.12	6 / 2				
reaction time	0.164	interval	4.50	4.73	5.00		# of strides	10.39	9.73	0.66	
		velocity	8.49	11.11	10.57	10.00	9.94	81.0	9.62	10.28	
<b>Makarawu, Tapiwanashe (ZIM) (</b>	time	5.80	10.32	15.05	20.16	20.16	7 / 3				
reaction time	0.139	interval	4.52	4.73	5.11		# of strides	10.32	9.84	0.48	
		velocity	8.62	11.06	10.57	9.78	9.92	87.0	9.69	10.16	
<b>Tortu, Filippo (ITA) (1998)</b>	time	5.95	10.56	15.38	20.54	20.54	5 / 4				
reaction time	0.176	interval	4.61	4.82	5.16		# of strides	10.56	9.98	0.58	
		velocity	8.40	10.85	10.37	9.69	9.74	86.0	9.47	10.02	
<b>Rodney, Brendon (CAN) (1992)</b>	time	5.91	10.51	15.32	20.59	20.59	3 / 6				
reaction time	0.170	interval	4.60	4.81	5.27		# of strides	10.51	10.08	0.43	
		velocity	8.46	10.87	10.40	9.49	9.71	88.5	9.51	9.92	
<b>Correa, Renan (BRA) (2004)</b>	time	5.91	10.54	15.40	20.60	20.60	9 / 6				
reaction time	0.163	interval	4.63	4.86	5.20		# of strides	10.54	10.06	0.48	

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

	velocity	8.46	10.80	10.29	9.62	9.71	86.5	9.49	9.94	
<b>Onwuzurike, Udodi (NGR) (2003)</b>	time	5.86	10.52	15.46	20.72	20.72	2 / 7			
	reaction time	0.143	interval	4.66	4.94	5.26	# of strides	10.52	10.20	0.32
	velocity	8.53	10.73	10.12	9.51	9.65	85.0	9.51	9.80	
<b>van Niekerk, Wayde (RSA) (1992)</b>	time	5.93	10.55	15.39	20.72	20.72	4 / 7			
	reaction time	0.166	interval	4.62	4.84	5.33	# of strides	10.55	10.17	0.38
	velocity	8.43	10.82	10.33	9.38	9.65	83.0	9.48	9.83	

**Semi-Final 2**

date 07-Aug-24 wind -0.2 m/s Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.84	10.38	15.03	19.96	19.96	8 / 1			
	reaction time	0.160	interval	4.54	4.93		# of strides	10.38	9.58	0.80
	velocity	8.56	11.01	10.75	10.14	10.02	83.0	9.63	10.44	
<b>Lyles, Noah (USA) (1997)</b>	time	5.87	10.41	15.14	20.08	20.08	6 / 2			
	reaction time	0.191	interval	4.54	4.73	4.94	# of strides	10.41	9.67	0.74
	velocity	8.52	11.01	10.57	10.12	9.96	86.2	9.61	10.34	
<b>Charamba, Makanakaishe (ZIM)</b>	time	6.03	10.66	15.41	20.31	20.31	4 / 3			
	reaction time	0.159	interval	4.63	4.75	4.90	# of strides	10.66	9.65	1.01
	velocity	8.29	10.80	10.53	10.20	9.85	84.2	9.38	10.36	
<b>Desalu, Eseosa (ITA) (1994)</b>	time	5.95	10.53	15.22	20.37	20.37	7 / 4			
	reaction time	0.141	interval	4.58	4.69	5.15	# of strides	10.53	9.84	0.69
	velocity	8.40	10.92	10.66	9.71	9.82	89.0	9.50	10.16	
<b>Hartmann, Joshua (GER) (1999)</b>	time	5.83	10.47	15.35	20.47	20.47	5 / 5			
	reaction time	0.151	interval	4.64	4.88	5.12	# of strides	10.47	10.00	0.47
	velocity	8.58	10.78	10.25	9.77	9.77	86.0	9.55	10.00	
<b>Uzawa, Towa (JPN) (2002)</b>	time	5.89	10.52	15.33	20.54	20.54	9 / 6			
	reaction time	0.131	interval	4.63	4.81	5.21	# of strides	10.52	10.02	0.50
	velocity	8.49	10.80	10.40	9.60	9.74	94.0	9.51	9.98	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.78	10.41	15.30	20.57	20.57	3 / 7			
	reaction time	0.138	interval	4.63	4.89	5.27	# of strides	10.41	10.16	0.25
	velocity	8.65	10.80	10.22	9.49	9.72	90.0	9.61	9.84	
<b>Erlandsson, Erik (SWE) (2004)</b>	time	6.04	10.82	15.78	20.93	20.93	2 / 8			
	reaction time	0.168	interval	4.78	4.96	5.15	# of strides	10.82	10.11	0.71
	velocity	8.28	10.46	10.08	9.71	9.56	90.0	9.24	9.89	

**Semi-Final 1**

date 07-Aug-24 wind -0.1 m/s Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1992)</b>	time	5.82	10.34	15.02	20.00	20.00	7 / 1			
	reaction time	0.188	interval	4.52	4.98		# of strides	10.34	9.66	0.68
	velocity	8.59	11.06	10.68	10.04	10.00	84.5	9.67	10.35	
<b>Ogando, Alexander (DOM) (2001)</b>	time	5.96	10.46	15.11	20.09	20.09	8 / 2			
	reaction time	0.159	interval	4.50	4.98		# of strides	10.46	9.63	0.83
	velocity	8.39	11.11	10.75	10.04	9.96	89.0	9.56	10.38	
<b>de Grasse, Andre (CAN) (2000)</b>	time	5.95	10.55	15.33	20.41	20.41	5 / 3			
	reaction time	0.129	interval	4.60	5.08		# of strides	10.55	9.86	0.69
	velocity	8.40	10.87	10.46	9.84	9.80	87.7	9.48	10.14	
<b>Maswanganyi, Shaun (RSA) (2003)</b>	time	5.85	10.43	15.23	20.42	20.42	4 / 4			
	reaction time	0.156	interval	4.58	5.19		# of strides	10.43	9.99	0.44
	velocity	8.55	10.92	10.42	9.63	9.79	84.0	9.59	10.01	
<b>McCoy, Wanya (BAH) (2003)</b>	time	5.87	10.57	15.44	20.61	20.61	9 / 5			
	reaction time	0.163	interval	4.70	4.87	5.17	# of strides	10.57	10.04	0.53
	velocity	8.52	10.64	10.27	9.67	9.70	85.0	9.46	9.96	

<b>Orogot, Tarsis (UGA) (2002)</b>	time	5.97	10.57	15.44	20.64	20.64	6 / 6			
	reaction time	0.160	interval	4.60	4.87	5.20	# of strides	10.57	10.07	0.50
	velocity	8.38	10.87	10.27	9.62	9.69	88.2	9.46	9.93	
<b>Zeze, Ryan (FRA) (1998)</b>	time	5.96	10.60	15.51	20.81	20.81	3 / 7			
	reaction time	0.138	interval	4.64	4.91	5.30	# of strides	10.60	10.21	0.39
	velocity	8.39	10.78	10.18	9.43	9.61	88.7	9.43	9.79	
<b>Levell, Bryan (JAM) (2003)</b>	time	5.95	10.65	15.61	20.93	20.93	2 / 8			
	reaction time	0.155	interval	4.70	4.96	5.32	# of strides	10.65	10.28	0.37
	velocity	8.40	10.64	10.08	9.40	9.56	90.0	9.39	9.73	

**Repechage 4**

date 06-Aug-24 wind 0.3 m/s Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Erlandsson, Erik (SWE) (2004)</b>	time	5.94	10.55	15.40	20.49	20.49	6 / 1				
	reaction time	0.167	interval	4.61	4.85	5.09	PB	# of strides	10.55	9.94	0.61
	velocity	8.42	10.85	10.31	9.82	9.76	90.0	9.48	10.06		
<b>Hudson, Andrew (JAM) (1996)</b>	time	5.78	10.35	15.23	20.55	20.55	7 / 2				
	reaction time	0.134	interval	4.57	4.88	5.32	# of strides	10.35	10.20	0.15	
	velocity	8.65	10.94	10.25	9.40	9.73	86.5	9.66	9.80		
<b>Kerr, Ian (BAH) (1996)</b>	time	5.97	10.54	15.40	20.60	20.60	8 / 3				
	reaction time	0.162	interval	4.57	4.86	5.20	# of strides	10.54	10.06	0.48	
	velocity	8.38	10.94	10.29	9.62	9.71	89.7	9.49	9.94		
<b>Svensson, Felix (SUI) (1997)</b>	time	5.94	10.58	15.48	20.65	20.65	5 / 4				
	reaction time	0.138	interval	4.64	4.90	5.17	# of strides	10.58	10.07	0.51	
	velocity	8.42	10.78	10.20	9.67	9.69	91.0	9.45	9.93		
<b>Němejc, Tomáš (CZE) (2000)</b>	time	5.95	10.61	15.53	20.84	20.84	3 / 5				
	reaction time	0.160	interval	4.66	4.92	5.31	# of strides	10.61	10.23	0.38	
	velocity	8.40	10.73	10.16	9.42	9.60	87.5	9.43	9.78		

**Repechage 3**

date 06-Aug-24 wind 0.0 m/s Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Zeze, Ryan (FRA) (1998)</b>	time	5.84	10.43	15.25	20.40	20.40	7 / 1			
	reaction time	0.142	interval	4.59	4.82	5.15	# of strides	10.43	9.97	0.46
	velocity	8.56	10.89	10.37	9.71	9.80	88.7	9.59	10.03	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.83	10.46	15.31	20.42	20.42	4 / 2			
	reaction time	0.158	interval	4.63	4.85	5.11	# of strides	10.46	9.96	0.50
	velocity	8.58	10.80	10.31	9.78	9.79	90.0	9.56	10.04	
<b>Yang Chun-Han (TPE) (1997)</b>	time	5.91	10.62	15.54	20.73	20.73	6 / 3			
	reaction time	0.145	interval	4.71	4.92	5.19	# of strides	10.62	10.11	0.51
	velocity	8.46	10.62	10.16	9.63	9.65	93.2	9.42	9.89	
<b>Afrifah, Blessing (ISR) (2003)</b>	time	5.97	10.70	15.65	20.88	20.88	3 / 4			
	reaction time	0.155	interval	4.73	4.95	5.23	# of strides	10.70	10.18	0.52
	velocity	8.38	10.57	10.10	9.56	9.58	88.7	9.35	9.82	
<b>Komański, Albert (POL) (2000)</b>	time	5.98	10.71	15.69	20.90	20.90	2 / 5			
	reaction time	0.157	interval	4.73	4.98	5.21	# of strides	10.71	10.19	0.52
	velocity	8.36	10.57	10.04	9.60	9.57	88.7	9.34	9.81	
<b>Kubelik, Eduard (CZE) (2002)</b>	time	6.02	10.73	15.75	21.20	21.20	8 / 6			
	reaction time	0.150	interval	4.71	5.02	5.45	# of strides	10.73	10.47	0.26
	velocity	8.31	10.62	9.96	9.17	9.43	87.7	9.32	9.55	

**Repechage 2**

date 06-Aug-24 wind 0.6 m/s Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Rodney, Brendon (CAN) (1992)</b>	time	5.85	10.43	15.21	20.42	20.42	4 / 1			
	reaction time	0.144	interval	4.58	4.78	5.21	# of strides	10.43	9.99	0.44
	velocity	8.55	10.92	10.46	9.60	9.79	88.0	9.59	10.01	

<b>Levell, Bryan (JAM) (2003)</b>	time	5.83	10.45	15.31	20.47	20.47	5 / 2			
reaction time	0.149	interval	4.62	4.86	5.16		# of strides	10.45	10.02	0.43
		velocity	8.58	10.82	10.29	9.69	9.77	90.2	9.57	9.98
<b>Mateo, Pablo (FRA) (2001)</b>	time	5.92	10.49	15.30	20.57	20.57	8 / 3			
reaction time	0.191	interval	4.57	4.81	5.27		# of strides	10.49	10.08	0.41
		velocity	8.45	10.94	10.40	9.49	9.72	93.0	9.53	9.92
<b>Ueyama, Koki (JPN) (1999)</b>	time	5.95	10.65	15.58	20.92	20.92	6 / 4			
reaction time	0.153	interval	4.70	4.93	5.34		# of strides	10.65	10.27	0.38
		velocity	8.40	10.64	10.14	9.36	9.56	90.0	9.39	9.74
<b>Almiron, Cesar (PAR) (2001)</b>	time	6.08	10.79	15.76	20.98	20.98	3 / <del>5</del>			
reaction time	0.169	interval	4.71	4.97	5.22	<b>DQ</b>	# of strides	10.79	10.19	0.60
		velocity	8.22	10.62	10.06	9.58	9.53	92.0	9.27	9.81

## Repechage 1

date 06-Aug-24 wind 1.0 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Onwuzurike, Udodi (NGR) (2001)</b>	time	5.83	10.46	15.33	20.51	20.51	6 / 1			
reaction time	0.139	interval	4.63	4.87	5.18		# of strides	10.46	10.05	0.41
		velocity	8.58	10.80	10.27	9.65	9.75	86.5	9.56	9.95
<b>Pettorossi, Diego Aido (ITA) (1991)</b>	time	5.95	10.63	15.45	20.53	20.53	8 / 2			
reaction time	0.156	interval	4.68	4.82	5.08		# of strides	10.63	9.90	0.73
		velocity	8.40	10.68	10.37	9.84	9.74	88.7	9.41	10.10
<b>Mumenthaler, Timothé (SUI) (2001)</b>	time	5.95	10.62	15.46	20.67	20.67	5 / 3			
reaction time	0.134	interval	4.67	4.84	5.21		# of strides	10.62	10.05	0.57
		velocity	8.40	10.71	10.33	9.60	9.68	91.0	9.42	9.95
<b>Iizuka, Shota (JPN) (1991)</b>	time	6.03	10.80	15.61	20.72	20.72	7 / 4			
reaction time	0.150	interval	4.77	4.81	5.11		# of strides	10.80	9.92	0.88
		velocity	8.29	10.48	10.40	9.78	9.65	89.0	9.26	10.08
<b>Macik, Ondřej (CZE) (2001)</b>	time	6.11	10.89	15.85	21.14	21.14	4 / 5			
reaction time	0.145	interval	4.78	4.96	5.29		# of strides	10.89	10.25	0.64
		velocity	8.18	10.46	10.08	9.45	9.46	90.0	9.18	9.76

## Heat 6

date 05-Aug-24 wind 0.1 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.90	10.45	15.13	20.19	20.19	6 / 1			
reaction time	0.164	interval	4.55	4.68	5.06		# of strides	10.45	9.74	0.71
		velocity	8.47	10.99	10.68	9.88	9.91	84.2	9.57	10.27
<b>de Grasse, Andre (CAN) (2000)</b>	time	5.90	10.53	15.28	20.30	20.30	7 / 2			
reaction time	0.146	interval	4.63	4.75	5.02		# of strides	10.53	9.77	0.76
		velocity	8.47	10.80	10.53	9.96	9.85	88.0	9.50	10.24
<b>Uzawa, Towa (JPN) (2002)</b>	time	5.84	10.44	15.20	20.33	20.33	4 / 3			
reaction time	0.114	interval	4.60	4.76	5.13		# of strides	10.44	9.89	0.55
		velocity	8.56	10.87	10.50	9.75	9.84	91.5	9.58	10.11
<b>Levell, Bryan (JAM) (2003)</b>	time	5.77	10.37	15.25	20.47	20.47	5 / 4			
reaction time	0.152	interval	4.60	4.88	5.22		# of strides	10.37	10.10	0.27
		velocity	8.67	10.87	10.25	9.58	9.77	89.0	9.64	9.90
<b>Afrifah, Blessing (ISR) (2003)</b>	time	5.92	10.66	15.58	20.78	20.78	2 / 5			
reaction time	0.147	interval	4.74	4.92	5.20		# of strides	10.66	10.12	0.54
		velocity	8.45	10.55	10.16	9.62	9.62	86.0	9.38	9.88
<b>Yang Chun-Han (TPE) (1997)</b>	time	5.85	10.53	15.46	20.83	20.83	8 / 6			
reaction time	0.134	interval	4.68	4.93	5.37		# of strides	10.53	10.30	0.23
		velocity	8.55	10.68	10.14	9.31	9.60	93.0	9.50	9.71
<b>Reais, William (SUI) (1999)</b>	time	5.96	10.69	15.59	20.92	20.92	3 / 7			
reaction time	0.145	interval	4.73	4.90	5.33		# of strides	10.69	10.23	0.46

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



velocity	8.39	10.57	10.20	9.38	9.56	87.0	9.35	9.78
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**Heat 5**

date 05-Aug-24 wind 0.2 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.85	10.38	15.05	19.99	19.99	4 / 1			
	reaction time	0.157	interval	4.53	4.67	4.94	# of strides	10.38	9.61	0.77
	velocity	8.55	11.04	10.71	10.12	10.01	84.2	9.63	10.41	
<b>Makarawu, Tapiwanashe (ZIM)</b>	time	5.81	10.36	15.07	20.07	20.07	3 / 2			
	reaction time	0.157	interval	4.55	4.71	5.00	# of strides	10.36	9.71	0.65
	velocity	8.61	10.99	10.62	10.00	9.97	86.0	9.65	10.30	
<b>Maswanganyi, Shaun (RSA) (2011)</b>	time	5.77	10.30	15.05	20.20	20.20	7 / 3			
	reaction time	0.151	interval	4.53	4.75	5.15	# of strides	10.30	9.90	0.40
	velocity	8.67	11.04	10.53	9.71	9.90	82.0	9.71	10.10	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.82	10.44	15.26	20.36	20.36	2 / 4			
	reaction time	0.158	interval	4.62	4.82	5.10	# of strides	10.44	9.92	0.52
	velocity	8.59	10.82	10.37	9.80	9.82	88.0	9.58	10.08	
<b>Kerr, Ian (BAH) (1996)</b>	time	5.92	10.50	15.31	20.53	20.53	9 / 5			
	reaction time	0.162	interval	4.58	4.81	5.22	# of strides	10.50	10.03	0.47
	velocity	8.45	10.92	10.40	9.58	9.74	89.7	9.52	9.97	
<b>Mateo, Pablo (FRA) (2001)</b>	time	5.86	10.47	15.33	20.58	20.58	6 / 6			
	reaction time	0.162	interval	4.61	4.86	5.25	# of strides	10.47	10.11	0.36
	velocity	8.53	10.85	10.29	9.52	9.72	92.0	9.55	9.89	
<b>Erlandsson, Erik (SWE) (2004)</b>	time	5.96	10.65	15.50	20.65	20.65	8 / 7			
	reaction time	0.176	interval	4.69	4.85	5.15	# of strides	10.65	10.00	0.65
	velocity	8.39	10.66	10.31	9.71	9.69	90.0	9.39	10.00	
<b>Kubelik, Eduard (CZE) (2002)</b>	time	5.96	10.71	15.70	21.14	21.14	5 / 8			
	reaction time	0.142	interval	4.75	4.99	5.44	# of strides	10.71	10.43	0.28
	velocity	8.39	10.53	10.02	9.19	9.46	88.2	9.34	9.59	

**Heat 4**

date 05-Aug-24 wind 0.2 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.80	10.34	15.00	19.96	19.96	3 / 1			
	reaction time	0.182	interval	4.54	4.66	4.96	# of strides	10.34	9.62	0.72
	velocity	8.62	11.01	10.73	10.08	10.02	84.0	9.67	10.40	
<b>Ogando, Alexander (DOM) (2001)</b>	time	5.86	10.37	15.02	20.04	20.04	5 / 2			
	reaction time	0.159	interval	4.51	4.65	5.02	# of strides	10.37	9.67	0.70
	velocity	8.53	11.09	10.75	9.96	9.98	87.0	9.64	10.34	
<b>Hartmann, Joshua (GER) (1999)</b>	time	5.84	10.51	15.31	20.30	20.30	2 / 3			
	reaction time	0.144	interval	4.67	4.80	4.99	# of strides	10.51	9.79	0.72
	velocity	8.56	10.71	10.42	10.02	9.85	85.2	9.51	10.21	
<b>Pettorossi, Diego Aido (ITA) (1991)</b>	time	5.90	10.54	15.42	20.63	20.63	7 / 4			
	reaction time	0.169	interval	4.64	4.88	5.21	# of strides	10.54	10.09	0.45
	velocity	8.47	10.78	10.25	9.60	9.69	89.0	9.49	9.91	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.99	10.68	15.46	20.67	20.67	4 / 5			
	reaction time	0.150	interval	4.69	4.78	5.21	# of strides	10.68	9.99	0.69
	velocity	8.35	10.66	10.46	9.60	9.68	90.0	9.36	10.01	
<b>Macik, Ondřej (CZE) (2001)</b>	time	6.04	10.76	15.69	21.04	21.04	6 / 6			
	reaction time	0.159	interval	4.72	4.93	5.35	# of strides	10.76	10.28	0.48
	velocity	8.28	10.59	10.14	9.35	9.51	90.0	9.29	9.73	

**Heat 3**

date 05-Aug-24 wind -0.1 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.85	10.42	15.06	20.10	20.10	3 / 1			
	reaction time	0.167	interval	4.57	4.64	5.04	# of strides	10.42	9.68	0.74

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

	velocity	8.55	10.94	10.78	9.92	9.95	82.5	9.60	10.33	
<b>Charamba, Makanakaishe (ZIM)</b>	time	6.00	10.60	15.33	20.27	20.27	4 / 2			
	reaction time	0.156	interval	4.60	4.73	4.94	# of strides	10.60	9.67	0.93
	velocity	8.33	10.87	10.57	10.12	9.87	83.5	9.43	10.34	
<b>Tortu, Filippo (ITA) (1998)</b>	time	5.93	10.52	15.26	20.29	20.29	8 / 3			
	reaction time	0.170	interval	4.59	4.74	5.03	# of strides	10.52	9.77	0.75
	velocity	8.43	10.89	10.55	9.94	9.86	86.0	9.51	10.24	
<b>Rodney, Brendon (CAN) (1992)</b>	time	5.84	10.44	15.18	20.30	20.30	2 / 4			
	reaction time	0.146	interval	4.60	4.74	5.12	# of strides	10.44	9.86	0.58
	velocity	8.56	10.87	10.55	9.77	9.85	87.0	9.58	10.14	
<b>Mumenthaler, Timothé (SUI) (2012)</b>	time	5.91	10.60	15.44	20.63	20.63	5 / 5			
	reaction time	0.147	interval	4.69	4.84	5.19	# of strides	10.60	10.03	0.57
	velocity	8.46	10.66	10.33	9.63	9.69	89.7	9.43	9.97	
<b>Ueyama, Koki (JPN) (1999)</b>	time	5.91	10.55	15.42	20.84	20.84	7 / 6			
	reaction time	0.152	interval	4.64	4.87	5.42	# of strides	10.55	10.29	0.26
	velocity	8.46	10.78	10.27	9.23	9.60	90.0	9.48	9.72	
<b>Richardson, Benji (RSA) (2003)</b>	time	5.82	10.46	16.79	51.86	51.86	6 / 7			
	reaction time	0.149	interval	4.64	6.33	35.07	# of strides	10.46	41.40	-30.94
	velocity	8.59	10.78	7.90	1.43	3.86		9.56	2.42	

## Heat 2

date 05-Aug-24 wind -0.1 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Orogot, Tarsis (UGA) (2002)</b>	time	5.89	10.48	15.28	20.32	20.32	3 / 1			
	reaction time	0.156	interval	4.59	4.80	5.04	# of strides	10.48	9.84	0.64
	velocity	8.49	10.89	10.42	9.92	9.84	87.0	9.54	10.16	
<b>McCoy, Wanya (BAH) (2003)</b>	time	5.87	10.57	15.34	20.35	20.35	9 / 2			
	reaction time	0.160	interval	4.70	4.77	5.01	# of strides	10.57	9.78	0.79
	velocity	8.52	10.64	10.48	9.98	9.83	84.2	9.46	10.22	
<b>Correa, Renan (BRA) (2004)</b>	time	5.88	10.49	15.29	20.41	20.41	6 / 3			
	reaction time	0.169	interval	4.61	4.80	5.12	# of strides	10.49	9.92	0.57
	velocity	8.50	10.85	10.42	9.77	9.80	86.0	9.53	10.08	
<b>Hudson, Andrew (JAM) (1996)</b>	time	5.75	10.33	15.16	20.53	20.53	7 / 4			
	reaction time	0.142	interval	4.58	4.83	5.37	# of strides	10.33	10.20	0.13
	velocity	8.70	10.92	10.35	9.31	9.74	85.7	9.68	9.80	
<b>Onwuzurike, Udodi (NGR) (2000)</b>	time	5.75	10.41	15.30	20.55	20.55	2 / 5			
	reaction time	0.137	interval	4.66	4.89	5.25	# of strides	10.41	10.14	0.27
	velocity	8.70	10.73	10.22	9.52	9.73	86.5	9.61	9.86	
<b>Almiron, Cesar (PAR) (2001)</b>	time	6.01	10.73	15.63	20.87	20.87	8 / 6			
	reaction time	0.166	interval	4.72	4.90	5.24	# of strides	10.73	10.14	0.59
	velocity	8.32	10.59	10.20	9.54	9.58	90.7	9.32	9.86	
<b>Němejc, Tomáš (CZE) (2000)</b>	time	5.96	10.67	15.63	21.03	21.03	4 / 7			
	reaction time	0.183	interval	4.71	4.96	5.40	# of strides	10.67	10.36	0.31
	velocity	8.39	10.62	10.08	9.26	9.51	88.0	9.37	9.65	

## Heat 1

date 05-Aug-24 wind 0.1 m/s

Paris 2024 Olympic Games - Results Book (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fahnbulleh, Joseph (LBR) (2000)</b>	time	5.96	10.51	15.22	20.20	20.20	4 / 1			
	reaction time	0.188	interval	4.55	4.71	4.98	# of strides	10.51	9.69	0.82
	velocity	8.39	10.99	10.62	10.04	9.90	79.7	9.51	10.32	
<b>Desalu, Eseosa (ITA) (1994)</b>	time	6.00	10.58	15.20	20.26	20.26	9 / 2			
	reaction time	0.168	interval	4.58	4.62	5.06	# of strides	10.58	9.68	0.90
	velocity	8.33	10.92	10.82	9.88	9.87	88.0	9.45	10.33	

<b>van Niekerk, Wayde (RSA) (1992)</b>	time	5.83	10.42	15.23	20.42	20.42	3 / 3			
reaction time	0.157	interval	4.59	4.81	5.19		# of strides	10.42	10.00	0.42
		velocity	8.58	10.89	10.40	9.63	9.79	84.0	9.60	10.00
<b>Zeze, Ryan (FRA) (1998)</b>	time	5.78	10.37	15.20	20.49	20.49	7 / 4			
reaction time	0.141	interval	4.59	4.83	5.29		# of strides	10.37	10.12	0.25
		velocity	8.65	10.89	10.35	9.45	9.76	88.2	9.64	9.88
<b>Svensson, Felix (SUI) (1997)</b>	time	5.94	10.59	15.40	20.54	20.54	8 / 5			
reaction time	0.148	interval	4.65	4.81	5.14		# of strides	10.59	9.95	0.64
		velocity	8.42	10.75	10.40	9.73	9.74	91.5	9.44	10.05
<b>Traore, Cheickna (CIV) (1997)</b>	time	5.88	10.54	15.37	20.54	20.54	2 / 6			
reaction time	0.171	interval	4.66	4.83	5.17		# of strides	10.54	10.00	0.54
		velocity	8.50	10.73	10.35	9.67	9.74	83.0	9.49	10.00
<b>Law, Calab (AUS) (2003)</b>	time	5.89	10.50	15.39	20.75	20.75	5 / 7			
reaction time	0.164	interval	4.61	4.89	5.36		# of strides	10.50	10.25	0.25
		velocity	8.49	10.85	10.22	9.33	9.64	89.0	9.52	9.76
<b>Komański, Albert (POL) (2000)</b>	time	5.97	10.71	15.61	20.77	20.77	6 / 8			
reaction time	0.153	interval	4.74	4.90	5.16		# of strides	10.71	10.06	0.65
		velocity	8.38	10.55	10.20	9.69	9.63	89.2	9.34	9.94

## 2024 Japanese National High School Championships (Fukuoka, JPN)

### FINAL

date 31-Jul-24 wind 0.1 m/s Takashima (2024) - national high school sports festival - biomechanics data

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wakana, Kei (JPN) (2006)</b>	time	5.99	10.74	15.53	20.61	20.61	7 / 1			
reaction time	0.180	interval	4.75	4.79	5.08	<b>PB</b>	# of strides	10.74	9.87	0.87
		velocity	8.35	10.53	10.44	9.84	9.70	9.31	10.13	
<b>Sato, Katsuki (JPN) (2007)</b>	time	5.85	10.65	15.55	20.76	20.76	8 / 2			
reaction time	0.160	interval	4.80	4.90	5.21	<b>PB</b>	# of strides	10.65	10.11	0.54
		velocity	8.55	10.42	10.20	9.60	9.63	9.39	9.89	
<b>Miyawaki, Akira (JPN) (2006)</b>	time	5.94	10.74	15.66	20.91	20.91	6 / 3			
reaction time	0.184	interval	4.80	4.92	5.25	<b>PB</b>	# of strides	10.74	10.17	0.57
		velocity	8.42	10.42	10.16	9.52	9.56	9.31	9.83	
<b>Niwayama, Haruki (JPN) (2006)</b>	time	5.95	10.71	15.76	21.09	21.09	3 / 4			
reaction time	0.184	interval	4.76	5.05	5.33	<b>PB</b>	# of strides	10.71	10.38	0.33
		velocity	8.40	10.50	9.90	9.38	9.48	9.34	9.63	
<b>Nakamura, Haruto (JPN) (2007)</b>	time	6.00	10.86	15.80	21.09	21.09	9 / 5			
reaction time	0.160	interval	4.86	4.94	5.29	<b>PB</b>	# of strides	10.86	10.23	0.63
		velocity	8.33	10.29	10.12	9.45	9.48	9.21	9.78	
<b>Hama, Ryoutaro (JPN) (2006)</b>	time	6.04	10.97	15.90	21.10	21.10	5 / 6			
reaction time	0.174	interval	4.93	4.93	5.20	<b>PB</b>	# of strides	10.97	10.13	0.84
		velocity	8.28	10.14	10.14	9.62	9.48	9.12	9.87	
<b>Enoki, Rikuto (JPN) (2006)</b>	time	5.95	10.84	15.83	21.16	21.16	4 / 7			
reaction time	0.162	interval	4.89	4.99	5.33	<b>PB</b>	# of strides	10.84	10.32	0.52
		velocity	8.40	10.22	10.02	9.38	9.45	9.23	9.69	
<b>Ozawa, Toi (JPN) (2006)</b>	time	6.05	11.09	16.24	21.74	21.74	2 / 8			
reaction time	0.198	interval	5.04	5.15	5.50		# of strides	11.09	10.65	0.44
		velocity	8.26	9.92	9.71	9.09	9.20	9.02	9.39	

## 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)

### FINAL

date 12-Jul-24 wind 0.6 m/s Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.90	10.37	14.96	19.87	19.87	6 / 1			
reaction time	0.178	interval	4.47	4.59	4.91		# of strides	10.37	9.50	0.87
		velocity	8.47	11.19	10.89	10.18	10.07	83.7	9.64	10.53

<b>Ogando, Alexander (DOM) (200)</b>	time	5.91	10.39	15.02	20.02	20.02	4 / 2			
reaction time	0.161	interval	4.48	4.63	5.00		# of strides	10.39	9.63	0.76
		velocity	8.46	11.16	10.80	10.00	9.99	88.7	9.62	10.38
<b>Orogot, Tarsis Gracious (UGA)</b>	time	5.96	10.52	15.28	20.32	20.32	7 / 3			
reaction time	0.157	interval	4.56	4.76	5.04		# of strides	10.52	9.80	0.72
		velocity	8.39	10.96	10.50	9.92	9.84	88.0	9.51	10.20
<b>Hudson, Andrew (JAM) (1996)</b>	time	5.81	10.36	15.15	20.43	20.43	8 / 4			
reaction time	0.143	interval	4.55	4.79	5.28		# of strides	10.36	10.07	0.29
		velocity	8.61	10.99	10.44	9.47	9.79	86.7	9.65	9.93
<b>Tortu, Filippo (ITA) (1998)</b>	time	5.94	10.53	15.31	20.43	20.43	5 / 5			
reaction time	0.199	interval	4.59	4.78	5.12		# of strides	10.53	9.90	0.63
		velocity	8.42	10.89	10.46	9.77	9.79	86.5	9.50	10.10
<b>Hartmann, Joshua (ITA) (1998)</b>	time	5.88	10.52	15.39	20.54	20.54	3 / 6			
reaction time	0.169	interval	4.64	4.87	5.15		# of strides	10.52	10.02	0.50
		velocity	8.50	10.78	10.27	9.71	9.74	86.7	9.51	9.98
<b>Zeze, Ryan (FRA) (1998)</b>	time	5.91	10.58	15.42	20.56	20.56	1 / 7			
reaction time	0.126	interval	4.67	4.84	5.14		# of strides	10.58	9.98	0.60
		velocity	8.46	10.71	10.33	9.73	9.73	88.7	9.45	10.02
<b>Reais, William (SUI) (1999)</b>	time	5.98	10.71	15.64	20.99	20.99	2 / 8			
reaction time	0.139	interval	4.73	4.93	5.35		# of strides	10.71	10.28	0.43
		velocity	8.36	10.57	10.14	9.35	9.53	88.0	9.34	9.73

**2024 Meeting de Paris (Paris, FRA)****FINAL**

date 07-Jul-24 wind -0.4 m/s

Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ogando, Alexander (DOM) (200)</b>	time	5.92	10.37	15.05	19.98	19.98	6 / 1			
reaction time	0.148	interval	4.45	4.68	4.93		# of strides	10.37	9.61	0.76
		velocity	8.45	11.24	10.68	10.14	10.01	89.0	9.64	10.41
<b>Orogot, Tarsis (UGA) (2002)</b>	time	5.90	10.42	15.17	20.18	20.18	7 / 2			
reaction time	0.153	interval	4.52	4.75	5.01		# of strides	10.42	9.76	0.66
		velocity	8.47	11.06	10.53	9.98	9.91	87.5	9.60	10.25
<b>Zeze, Ryan (FRA) (1998)</b>	time	5.92	10.53	15.37	20.46	20.46	5 / 3			
reaction time	0.142	interval	4.61	4.84	5.09		# of strides	10.53	9.93	0.60
		velocity	8.45	10.85	10.33	9.82	9.78	88.0	9.50	10.07
<b>Tortu, Filippo (ITA) (1998)</b>	time	5.91	10.52	15.37	20.53	20.53	4 / 4			
reaction time	0.164	interval	4.61	4.85	5.16		# of strides	10.52	10.01	0.51
		velocity	8.46	10.85	10.31	9.69	9.74	87.5	9.51	9.99
<b>Blake, Jerome (CAN) (1995)</b>	time	5.99	10.74	15.66	20.82	20.82	1 / 5			
reaction time	0.146	interval	4.75	4.92	5.16		# of strides	10.74	10.08	0.66
		velocity	8.35	10.53	10.16	9.69	9.61	85.0	9.31	9.92
<b>Reais, William (SUI) (1999)</b>	time	6.04	10.78	15.67	20.89	20.89	2 / 6			
reaction time	0.155	interval	4.74	4.89	5.22		# of strides	10.78	10.11	0.67
		velocity	8.28	10.55	10.22	9.58	9.57	87.0	9.28	9.89
<b>Traore, Cheickna (CIV) (2000)</b>	time	5.86	11.40			dnf	8 / --			
reaction time	0.170	interval	5.54				# of strides	11.40		
		velocity	8.53	9.03				8.77		

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

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

Omega Timing (2024) - continental tour gold race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Adigida, Onyema (NED) (2000)</b>	time	6.07	10.76	15.62	20.83	20.83	6 / 1			
reaction time	0.156	interval	4.69	4.86	5.21		# of strides	10.76	10.07	0.69

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

	velocity	8.24	10.66	10.29	9.60	9.60		9.29	9.93	
<b>Blake, Keenan (NED) (2003)</b>	time	6.20	11.04	16.10	21.46	21.46	4 / 2			
reaction time	0.134	interval	4.84	5.06	5.36		# of strides	11.04	10.42	0.62
	velocity	8.06	10.33	9.88	9.33	9.32		9.06	9.60	
<b>Pinaemang, Lundi (BOT) (2004)</b>	time	6.08	11.00	16.09	21.48	21.48	3 / 3			
reaction time	0.144	interval	4.92	5.09	5.39		# of strides	11.00	10.48	0.52
	velocity	8.22	10.16	9.82	9.28	9.31		9.09	9.54	
<b>Klein Ikkink, Isaya (NED) (2003)</b>	time	6.17	11.06	16.15	21.50	21.50	7 / 4			
reaction time	0.192	interval	4.89	5.09	5.35		# of strides	11.06	10.44	0.62
	velocity	8.10	10.22	9.82	9.35	9.30		9.04	9.58	
<b>Lobatlamang, Kevin (BOT) (2004)</b>	time	6.19	11.07	16.14	21.70	21.70	5 / 5			
reaction time	0.166	interval	4.88	5.07	5.56		# of strides	11.07	10.63	0.44
	velocity	8.08	10.25	9.86	8.99	9.22		9.03	9.41	
<b>Broer, Rodrigo (NED) (1996)</b>	time	6.28	11.22	16.30	21.90	21.90	8 / 6			
reaction time	0.205	interval	4.94	5.08	5.60		# of strides	11.22	10.68	0.54
	velocity	7.96	10.12	9.84	8.93	9.13		8.91	9.36	
<b>Brouwer, Mika (NED) (2002)</b>	time	6.14	11.17	16.45	22.12	22.12	2 / 7			
reaction time	0.167	interval	5.03	5.28	5.67		# of strides	11.17	10.95	0.22
	velocity	8.14	9.94	9.47	8.82	9.04		8.95	9.13	
<b>Leunissen, Ken (NED) (1998)</b>	time	6.16	11.15	16.50	22.20	22.20	1 / 8			
reaction time	0.154	interval	4.99	5.35	5.70		# of strides	11.15	11.05	0.10
	velocity	8.12	10.02	9.35	8.77	9.01		8.97	9.05	

## 2024 Chinese National Grand Prix Final (Rizhao, CHN)

## FINAL

		date	30-Jun-24	wind	0.8 m/s	Shandong Athletics Sport Science (2024)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sun Qingchi (CHN) (2000)</b>	time				10.81	15.61	20.68	20.68	9 / 1			
reaction time	0.156	interval				4.80	5.07	PB	# of strides	10.81	9.87	0.94
		velocity			9.25	10.42	9.86	9.67	90.2	9.25	10.13	
<b>Shi Junhao (CHN) (2005)</b>	time				10.60	15.44	20.68	20.68	8 / 2			
reaction time	0.143	interval				4.84	5.24	PB	# of strides	10.60	10.08	0.52
		velocity			9.43	10.33	9.54	9.67	92.0	9.43	9.92	
<b>Jia Runze (CHN) (2003)</b>	time				10.78	15.66	20.78	20.78	7 / 3			
reaction time	0.158	interval				4.88	5.12	PB	# of strides	10.78	10.00	0.78
		velocity			9.28	10.25	9.77	9.62	89.5	9.28	10.00	
<b>Liu Shuoyuan (CHN) (2002)</b>	time				10.63	15.49	20.80	20.80	6 / 4			
reaction time	0.157	interval				4.86	5.31		# of strides	10.63	10.17	0.46
		velocity			9.41	10.29	9.42	9.62	93.5	9.41	9.83	
<b>Zhang Donghai (CHN) (2000)</b>	time				10.83	15.74	20.90	20.90	5 / 5			
reaction time	0.159	interval				4.91	5.16	PB	# of strides	10.83	10.07	0.76
		velocity			9.23	10.18	9.69	9.57	95.5	9.23	9.93	
<b>Tian Junhao (CHN) (2000)</b>	time				10.93	15.91	21.17	21.17	4 / 6			
reaction time	0.159	interval				4.98	5.26		# of strides	10.93	10.24	0.69
		velocity			9.15	10.04	9.51	9.45	88.0	9.15	9.77	
<b>Fang Fenghe (CHN) (2001)</b>	time				10.90	15.84	21.26	21.26	3 / 7			
reaction time	0.184	interval				4.94	5.42		# of strides	10.90	10.36	0.54
		velocity			9.17	10.12	9.23	9.41	87.5	9.17	9.65	

## Heat 3

		date	29-Jun-24	wind	0.4 m/s	Shandong Athletics Sport Science (2024)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liu Shuoyuan (CHN) (2002)</b>	time				10.73	15.55	20.74	20.74	7 / 1			
reaction time	0.156	interval				4.82	5.19		# of strides	10.73	10.01	0.72
		velocity			9.32	10.37	9.63	9.64	91.0	9.32	9.99	

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

<b>Sun Qingchi (CHN) (2000)</b>	time	11.14	16.04	21.16	21.16	3 / 2				
reaction time	0.197	interval	4.90	5.12		# of strides	11.14	10.02	1.12	
		velocity	8.98	10.20	9.77	9.45	90.0	8.98	9.98	
<b>Fang Fenghe (CHN) (2001)</b>	time	10.89	15.86	21.17	21.17	8 / 3				
reaction time	0.221	interval	4.97	5.31	<b>PB</b>	# of strides	10.89	10.28	0.61	
		velocity	9.18	10.06	9.42	9.45	88.2	9.18	9.73	
<b>Wang Qi (CHN) (1995)</b>	time	10.85	15.84	21.18	21.18	6 / 4				
reaction time	0.193	interval	4.99	5.34		# of strides	10.85	10.33	0.52	
		velocity	9.22	10.02	9.36	9.44	93.5	9.22	9.68	
<b>Meng Desheng (CHN) (2006)</b>	time	11.12	16.22	21.77	21.77	5 / 6				
reaction time	0.200	interval	5.10	5.55		# of strides	11.12	10.65	0.47	
		velocity	8.99	9.80	9.01	9.19	93.0	8.99	9.39	

**Heat 2**

date 29-Jun-24 wind 0.1 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Shi Junhao (CHN) (2005)</b>	time	10.69	15.64	20.92	20.92	20.92	3 / 1			
reaction time	0.151	interval	4.95	5.28		# of strides	10.69	10.23	0.46	
		velocity	9.35	10.10	9.47	9.56	92.0	9.35	9.78	
<b>Zhang Donghai (CHN) (2000)</b>	time	10.83	15.87	21.12	21.12	21.12	5 / 2			
reaction time	0.169	interval	5.04	5.25		# of strides	10.83	10.29	0.54	
		velocity	9.23	9.92	9.52	9.47	95.5	9.23	9.72	

**Heat 1**

date 29-Jun-24 wind 0.2 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jia Runze (CHN) (2003)</b>	time	10.89	15.87	21.02	21.02	21.02	4 / 1			
reaction time	0.150	interval	4.98	5.15	<b>PB</b>	# of strides	10.89	10.13	0.76	
		velocity	9.18	10.04	9.71	9.51	89.5	9.18	9.87	
<b>Tian Junhao (CHN) (2000)</b>	time	10.85	15.86	21.07	21.07	21.07	7 / 2			
reaction time	0.188	interval	5.01	5.21		# of strides	10.85	10.22	0.63	
		velocity	9.22	9.98	9.60	9.49	88.0	9.22	9.78	

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

**FINAL**

date 29-Jun-24 wind 0.5 m/s USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.82	10.31	14.89	19.53	19.53	6 / 1			
reaction time		interval	4.49	4.58	4.64		# of strides	10.31	9.22	1.09
		velocity	8.59	11.14	10.92	10.24	85.0	9.70	10.85	
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.73	10.26	14.81	19.59	19.59	8 / 2			
reaction time		interval	4.53	4.55	4.78	<b>PB</b>	# of strides	10.26	9.33	0.93
		velocity	8.73	11.04	10.99	10.46	84.0	9.75	10.72	
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.86	10.42	14.99	19.77	19.77	7 / 3			
reaction time		interval	4.56	4.57	4.78		# of strides	10.42	9.35	1.07
		velocity	8.53	10.96	10.94	10.46	84.5	9.60	10.70	
<b>Coleman, Christian (USA) (1998)</b>	time	5.68	10.27	15.03	19.89	19.89	5 / 4			
reaction time		interval	4.59	4.76	4.86		# of strides	10.27	9.62	0.65
		velocity	8.80	10.89	10.50	10.29	10.06	92.5	9.74	10.40
<b>King, Kyree (USA) (1994)</b>	time	5.76	10.39	15.12	19.90	19.90	9 / 5			
reaction time		interval	4.63	4.73	4.78	<b>PB</b>	# of strides	10.39	9.51	0.88
		velocity	8.68	10.80	10.57	10.46	89.0	9.62	10.52	
<b>Lindsey, Courtney (USA) (1998)</b>	time	5.83	10.37	15.14	20.00	20.00	4 / 6			
reaction time		interval	4.54	4.77	4.86		# of strides	10.37	9.63	0.74
		velocity	8.58	11.01	10.48	10.29	10.00	91.0	9.64	10.38
<b>Gregory, Robert (USA) (2001)</b>	time	6.05	10.78	15.59	20.56	20.56	3 / 7			

reaction time	interval	4.73	4.81	4.97		# of strides	10.78	9.78	1.00	
	velocity	8.26	10.57	10.40	10.06	9.73	85.2	9.28	10.22	
<b>Curry, Jeremiah (USA) (2000)</b>	time	6.00	10.69	15.62	20.57	20.57	2 / 8			
reaction time	interval		4.69	4.93	4.95		# of strides	10.69	9.88	0.81
	velocity	8.33	10.66	10.14	10.10	9.72	91.0	9.35	10.12	
<b>Stubbs, Jamarion (USA) (2004)</b>	time	6.03	10.73	15.63	20.60	20.60	1 / 9			
reaction time	interval		4.70	4.90	4.97		# of strides	10.73	9.87	0.86
	velocity	8.29	10.64	10.20	10.06	9.71	89.0	9.32	10.13	

**Semi-Final 3**

date 28-Jun-24 wind 2.5 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.70	10.22	14.75	19.60	19.60	7 / 1			
reaction time	interval		4.52	4.53	4.85		# of strides	10.22	9.38	0.84
	velocity	8.77	11.06	11.04	10.31	10.20	84.0	9.78	10.66	
<b>Coleman, Christian (USA) (1996)</b>	time	5.65	10.27	14.90	19.89	19.89	6 / 2			
reaction time	interval		4.62	4.63	4.99		# of strides	10.27	9.62	0.65
	velocity	8.85	10.82	10.80	10.02	10.06	90.0	9.74	10.40	
<b>Gregory, Robert (USA) (2001)</b>	time	5.83	10.55	15.18	19.98	19.98	8 / 3			
reaction time	interval		4.72	4.63	4.80		# of strides	10.55	9.43	1.12
	velocity	8.58	10.59	10.80	10.42	10.01	84.0	9.48	10.60	
<b>Lyles, Josephus (USA) (1998)</b>	time	5.87	10.55	15.37	20.37	20.37	4 / 4			
reaction time	interval		4.68	4.82	5.00		# of strides	10.55	9.82	0.73
	velocity	8.52	10.68	10.37	10.00	9.82	85.2	9.48	10.18	
<b>Colbert, Laurenz (USA) (2003)</b>	time	5.92	10.69	15.48	20.44	20.44	1 / 5			
reaction time	interval		4.77	4.79	4.96		# of strides	10.69	9.75	0.94
	velocity	8.45	10.48	10.44	10.08	9.78	83.0	9.35	10.26	
<b>Phillips, David (USA) (2001)</b>	time	5.90	10.63	15.39	20.46	20.46	2 / 6			
reaction time	interval		4.73	4.76	5.07		# of strides	10.63	9.83	0.80
	velocity	8.47	10.57	10.50	9.86	9.78	88.0	9.41	10.17	
<b>Miller, Cameron (USA) (2000)</b>	time	5.94	10.78	15.56	20.68	20.68	9 / 7			
reaction time	interval		4.84	4.78	5.12		# of strides	10.78	9.90	0.88
	velocity	8.42	10.33	10.46	9.77	9.67		9.28	10.10	
<b>Thomas, Max (USA) (2004)</b>	time	5.93	10.74	15.62	20.81	20.81	5 / 8			
reaction time	interval		4.81	4.88	5.19		# of strides	10.74	10.07	0.67
	velocity	8.43	10.40	10.25	9.63	9.61	89.5	9.31	9.93	
<b>Yancy, Dominick (USA) (2001)</b>	time	5.96	10.71	15.59	20.84	20.84	3 / 9			
reaction time	interval		4.75	4.88	5.25		# of strides	10.71	10.13	0.58
	velocity	8.39	10.53	10.25	9.52	9.60	86.2	9.34	9.87	

**Semi-Final 2**

date 28-Jun-24 wind 0.7 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1996)</b>	time	5.82	10.40	15.05	19.96	19.96	6 / 1			
reaction time	interval		4.58	4.65	4.91		# of strides	10.40	9.56	0.84
	velocity	8.59	10.92	10.75	10.18	10.02	85.5	9.62	10.46	
<b>Lindsey, Courtney (USA) (1998)</b>	time	5.89	10.48	15.13	20.05	20.05	7 / 2			
reaction time	interval		4.59	4.65	4.92		# of strides	10.48	9.57	0.91
	velocity	8.49	10.89	10.75	10.16	9.98	90.0	9.54	10.45	
<b>Curry, Jeremiah (USA) (2000)</b>	time	6.04	10.68	15.38	20.31	20.31	9 / 3			
reaction time	interval		4.64	4.70	4.93		# of strides	10.68	9.63	1.05
	velocity	8.28	10.78	10.64	10.14	9.85	90.0	9.36	10.38	
<b>Stubbs, Jamarion (USA) (2004)</b>	time	6.02	10.68	15.40	20.31	20.31	5 / 4			
reaction time	interval		4.66	4.72	4.91		# of strides	10.68	9.63	1.05
	velocity	8.31	10.73	10.59	10.18	9.85	87.0	9.36	10.38	

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

<b>Rutledge, John (USA) (2003)</b>	time	5.96	10.74	15.43	20.36	20.36	8 / 5			
	reaction time	interval	4.78	4.69	4.93		# of strides	10.74	9.62	1.12
	velocity	8.39	10.46	10.66	10.14	9.82	88.7	9.31	10.40	
<b>Blaskowski, Sam (USA) (2002)</b>	time	5.89	10.60	15.49	20.58	20.58	3 / 6			
	reaction time	interval	4.71	4.89	5.09		# of strides	10.60	9.98	0.62
	velocity	8.49	10.62	10.22	9.82	9.72	88.2	9.43	10.02	
<b>Morrow, Elijah (USA) (1995)</b>	time	6.02	10.75	15.60	20.66	20.66	1 / 7			
	reaction time	interval	4.73	4.85	5.06		# of strides	10.75	9.91	0.84
	velocity	8.31	10.57	10.31	9.88	9.68	92.0	9.30	10.09	
<b>Mars, Chase (USA) (2003)</b>	time	5.97	10.74	15.62	20.66	20.66	4 / 8			
	reaction time	interval	4.77	4.88	5.04		# of strides	10.74	9.92	0.82
	velocity	8.38	10.48	10.25	9.92	9.68	84.7	9.31	10.08	
<b>Smith, Demarius (USA) (1998)</b>	time	6.08	10.78	15.59	20.74	20.74	2 / 9			
	reaction time	interval	4.70	4.81	5.15		# of strides	10.78	9.96	0.82
	velocity	8.22	10.64	10.40	9.71	9.64	85.5	9.28	10.04	

**Semi-Final 1**

date 28-Jun-24 wind 0.3 m/s *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighthon, Erriyon (USA) (2004)</b>	time	5.90	10.48	15.11	19.93	19.93	8 / 1			
	reaction time	interval	4.58	4.63	4.82		# of strides	10.48	9.45	1.03
	velocity	8.47	10.92	10.80	10.37	10.04	83.2	9.54	10.58	
<b>King, Kyree (USA) (1994)</b>	time	5.82	10.46	15.20	20.25	20.25	7 / 2			
	reaction time	interval	4.64	4.74	5.05		# of strides	10.46	9.79	0.67
	velocity	8.59	10.78	10.55	9.90	9.88	89.7	9.56	10.21	
<b>Hicklin, Brandon (USA) (1999)</b>	time	5.92	10.74	15.48	20.46	20.46	9 / 3			
	reaction time	interval	4.82	4.74	4.98	PB	# of strides	10.74	9.72	1.02
	velocity	8.45	10.37	10.55	10.04	9.78		9.31	10.29	
<b>Dunlap, David (USA) (1999)</b>	time	6.01	10.71	15.60	20.76	20.76	3 / 4			
	reaction time	interval	4.70	4.89	5.16		# of strides	10.71	10.05	0.66
	velocity	8.32	10.64	10.22	9.69	9.63	90.0	9.34	9.95	
<b>Shelvin, Nolton (USA) (2001)</b>	time	5.97	10.73	15.67	20.81	20.81	4 / 5			
	reaction time	interval	4.76	4.94	5.14		# of strides	10.73	10.08	0.65
	velocity	8.38	10.50	10.12	9.73	9.61	96.0	9.32	9.92	
<b>Carnes, Brandon (USA) (1995)</b>	time	5.93	10.64	15.56	20.85	20.85	2 / 6			
	reaction time	interval	4.71	4.92	5.29		# of strides	10.64	10.21	0.43
	velocity	8.43	10.62	10.16	9.45	9.59	96.0	9.40	9.79	
<b>Lang, Lance (USA) (2001)</b>	time	5.93	10.70	15.65	20.86	20.86	5 / 7			
	reaction time	interval	4.77	4.95	5.21		# of strides	10.70	10.16	0.54
	velocity	8.43	10.48	10.10	9.60	9.59	94.0	9.35	9.84	
<b>Callis, De'Montray (USA) (2002)</b>	time	6.05	10.90	15.82	20.87	20.87	1 / 8			
	reaction time	interval	4.85	4.92	5.05		# of strides	10.90	9.97	0.93
	velocity	8.26	10.31	10.16	9.90	9.58	97.7	9.17	10.03	

**Heat 4**

date 27-Jun-24 wind 1.2 m/s *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighthon, Erriyon (USA) (2004)</b>	time	5.78	10.37	15.15	20.15	20.15	5 / 1			
	reaction time	interval	4.59	4.78	5.00		# of strides	10.37	9.78	0.59
	velocity	8.65	10.89	10.46	10.00	9.93	84.0	9.64	10.22	
<b>Coleman, Christian (USA) (1999)</b>	time	5.77	10.39	15.13	20.30	20.30	7 / 2			
	reaction time	interval	4.62	4.74	5.17		# of strides	10.39	9.91	0.48
	velocity	8.67	10.82	10.55	9.67	9.85	90.7	9.62	10.09	
<b>Shelvin, Nolton (USA) (2001)</b>	time	5.79	10.54	15.39	20.53	20.53	6 / 3			

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



reaction time	interval	4.75	4.85	5.14		# of strides	10.54	9.99	0.55
	velocity	8.64	10.53	10.31	9.73	9.74	93.0	9.49	10.01
<b>Mars, Chase (USA) (2003)</b>	time	5.88	10.63	15.51	20.63	20.63	2 / 4		
reaction time	interval	4.75	4.88	5.12		# of strides	10.63	10.00	0.63
	velocity	8.50	10.53	10.25	9.77	9.69	86.0	9.41	10.00
<b>Phillips, David (USA) (2001)</b>	time	5.84	10.64	15.40	20.68	20.68	9 / 5		
reaction time	interval	4.80	4.76	5.28		# of strides	10.64	10.04	0.60
	velocity	8.56	10.42	10.50	9.47	9.67	86.0	9.40	9.96
<b>Yancy, Dominick (USA) (2001)</b>	time	5.87	10.64	15.64	20.97	20.97	3 / 6		
reaction time	interval	4.77	5.00	5.33		# of strides	10.64	10.33	0.31
	velocity	8.52	10.48	10.00	9.38	9.54	88.7	9.40	9.68
<b>Tippett, Tyson (USA) (2003)</b>	time	6.11	10.90	15.87	20.97	20.97	8 / 7		
reaction time	interval	4.79	4.97	5.10		# of strides	10.90	10.07	0.83
	velocity	8.18	10.44	10.06	9.80	9.54	89.5	9.17	9.93

Heat 3

date 27-Jun-24 wind 1.1 m/s USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.86	10.55	15.24	20.28	20.28	6 / 1			
reaction time	interval	4.69	4.69	5.04		# of strides	10.55	9.73	0.82	
	velocity	8.53	10.66	10.66	9.92	9.86	83.2	9.48	10.28	
<b>King, Kyree (USA) (1994)</b>	time	5.82	10.53	15.38	20.50	20.50	4 / 2			
reaction time	interval	4.71	4.85	5.12		# of strides	10.53	9.97	0.56	
	velocity	8.59	10.62	10.31	9.77	9.76	88.5	9.50	10.03	
<b>White-Austin, Trayvion (USA) (2004)</b>	time	5.95	10.66	15.46	20.68	20.68	5 / <del>3</del>			
reaction time	interval	4.71	4.80	5.22		<b>DQ</b>	# of strides	10.66	10.02	0.64
	velocity	8.40	10.62	10.42	9.58	9.67	93.2	9.38	9.98	
<b>Thomas, Max (USA) (2004)</b>	time	5.96	10.78	15.57	20.73	20.73	9 / <del>4</del> 3			
reaction time	interval	4.82	4.79	5.16		# of strides	10.78	9.95	0.83	
	velocity	8.39	10.37	10.44	9.69	9.65	89.5	9.28	10.05	
<b>Curry, Jeremiah (USA) (2000)</b>	time	6.07	10.78	15.65	20.76	20.76	2 / <del>5</del> 4			
reaction time	interval	4.71	4.87	5.11		# of strides	10.78	9.98	0.80	
	velocity	8.24	10.62	10.27	9.78	9.63	91.0	9.28	10.02	
<b>Dunlap, David (USA) (1999)</b>	time	6.07	10.78	15.68	20.81	20.81	3 / <del>6</del> 5			
reaction time	interval	4.71	4.90	5.13		# of strides	10.78	10.03	0.75	
	velocity	8.24	10.62	10.20	9.75	9.61	91.2	9.28	9.97	
<b>Carnes, Brandon (USA) (1995)</b>	time	5.90	10.67	15.55	20.92	20.92	8 / <del>7</del> 6			
reaction time	interval	4.77	4.88	5.37		# of strides	10.67	10.25	0.42	
	velocity	8.47	10.48	10.25	9.31	9.56	94.0	9.37	9.76	
<b>Cunningham, Cortez (USA) (2003)</b>	time	6.07	10.96	16.04	21.61	21.61	7 / <del>8</del> 7			
reaction time	interval	4.89	5.08	5.57		# of strides	10.96	10.65	0.31	
	velocity	8.24	10.22	9.84	8.98	9.25	93.5	9.12	9.39	

Heat 2

date 27-Jun-24 wind 0.0 m/s USATF and Karmarush (2024) - USA Olympic trials results and race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.83	10.43	15.16	20.10	20.10	7 / 1			
reaction time	interval	4.60	4.73	4.94		# of strides	10.43	9.67	0.76	
	velocity	8.58	10.87	10.57	10.12	9.95	84.2	9.59	10.34	
<b>Gregory, Robert (USA) (2001)</b>	time	5.98	10.63	15.43	20.38	20.38	3 / 2			
reaction time	interval	4.65	4.80	4.95		# of strides	10.63	9.75	0.88	
	velocity	8.36	10.75	10.42	10.10	9.81	83.5	9.41	10.26	
<b>Rutledge, John (USA) (2003)</b>	time	5.87	10.57	15.38	20.43	20.43	8 / 3			
reaction time	interval	4.70	4.81	5.05		# of strides	10.57	9.86	0.71	
	velocity	8.52	10.64	10.40	9.90	9.79	87.5	9.46	10.14	

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

<b>Lang, Lance (USA) (2001)</b>	time	5.83	10.51	15.45	20.49	20.49	4 / 4			
	reaction time	interval	4.68	4.94	5.04		# of strides	10.51	9.98	0.53
	velocity	8.58	10.68	10.12	9.92	9.76	94.2	9.51	10.02	
<b>Hicklin, Brandon (USA) (1999)</b>	time	5.97	10.77	15.51	20.53	20.53	9 / 5			
	reaction time	interval	4.80	4.74	5.02	<b>PB</b>	# of strides	10.77	9.76	1.01
	velocity	8.38	10.42	10.55	9.96	9.74	82.0	9.29	10.25	
<b>Smith, Demarius (USA) (1998)</b>	time	5.96	10.67	15.59	20.91	20.91	6 / 6			
	reaction time	interval	4.71	4.92	5.32		# of strides	10.67	10.24	0.43
	velocity	8.39	10.62	10.16	9.40	9.56	86.2	9.37	9.77	
<b>Morrow, Elijah (USA) (1995)</b>	time	5.90	10.68	15.61	20.93	20.93	5 / 7			
	reaction time	interval	4.78	4.93	5.32		# of strides	10.68	10.25	0.43
	velocity	8.47	10.46	10.14	9.40	9.56	93.0	9.36	9.76	

**Heat 1**

date 27-Jun-24 wind 0.3 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lindsey, Courtney (USA) (1998)</b>	time	5.82	10.53	15.17	20.28	20.28	8 / 1			
	reaction time	interval	4.71	4.64	5.11		# of strides	10.53	9.75	0.78
	velocity	8.59	10.62	10.78	9.78	9.86		9.50	10.26	
<b>Kaalund, Garrett (USA) (2004)</b>	time	5.90	10.67	15.24	20.28	20.28	9 / 2			
	reaction time	interval	4.77	4.57	5.04		# of strides	10.67	9.61	1.06
	velocity	8.47	10.48	10.94	9.92	9.86		9.37	10.41	
<b>Stubbs, Jamarion (USA) (2004)</b>	time	5.97	10.66	15.40	20.44	20.44	3 / 3			
	reaction time	interval	4.69	4.74	5.04		# of strides	10.66	9.78	0.88
	velocity	8.38	10.66	10.55	9.92	9.78		9.38	10.22	
<b>Lyles, Josephus (USA) (1998)</b>	time	5.89	10.56	15.37	20.44	20.44	7 / 4			
	reaction time	interval	4.67	4.81	5.07		# of strides	10.56	9.88	0.68
	velocity	8.49	10.71	10.40	9.86	9.78		9.47	10.12	
<b>Miller, Cameron (USA) (2000)</b>	time	5.93	10.66	15.45	20.59	20.59	4 / 5			
	reaction time	interval	4.73	4.79	5.14		# of strides	10.66	9.93	0.73
	velocity	8.43	10.57	10.44	9.73	9.71		9.38	10.07	
<b>Blaskowski, Sam (USA) (2002)</b>	time	5.85	10.61	15.47	20.61	20.61	2 / 6			
	reaction time	interval	4.76	4.86	5.14		# of strides	10.61	10.00	0.61
	velocity	8.55	10.50	10.29	9.73	9.70		9.43	10.00	
<b>Colbert, Laurenz (USA) (2003)</b>	time	5.83	10.57	15.41	20.64	20.64	6 / 7			
	reaction time	interval	4.74	4.84	5.23		# of strides	10.57	10.07	0.50
	velocity	8.58	10.55	10.33	9.56	9.69		9.46	9.93	
<b>Callis, De'Montray (USA) (2002)</b>	time	5.89	10.61	15.52	20.81	20.81	5 / 8			
	reaction time	interval	4.72	4.91	5.29		# of strides	10.61	10.20	0.41
	velocity	8.49	10.59	10.18	9.45	9.61		9.43	9.80	

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

date 10-Jun-24 wind 0.8 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mumenthaler, Timothé (SUI) (2)</b>	0.126	no information available			<b>PB</b>	20.28	9 / 1		# of strides	90.0
<b>Tortu, Filippo (ITA) (1998)</b>	0.203	no information available				20.41	6 / 2		# of strides	86.7
<b>Reais, William (SUI) (1999)</b>	0.162	no information available				20.47	3 / 3		# of strides	86.0
<b>Erlandsson, Erik (SWE) (2004)</b>	0.173	no information available				20.57	1 / 4		# of strides	89.5
<b>Desalu, Eseosa (ITA) (1994)</b>	0.159	no information available				20.59	5 / 5		# of strides	91.0
<b>Mateo, Pablo (FRA) (2001)</b>	0.182	no information available			<b>DQ</b>	20.60	7 / <del>6</del>		# of strides	93.7
<b>Němejc, Tomáš (CZE) (2000)</b>	0.178	no information available				20.91	2 / <del>7</del> 6		# of strides	87.0
<b>Afrifah, Blessing (ISR) (2003)</b>	0.141	no information available				20.97	4 / <del>8</del> 7		# of strides	88.5

**2024 Chinese National Grand Prix 5 (Huangshi, CHN)****Heat 8**

date 01-Jun-24 wind 0.8 m/s

Shandong Athletics Sport Science (2024)

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Chen Zhiwang (CHN) (2001)</b>	time		10.82	15.85	21.24	21.24	8 / 1			
	reaction time	0.185		5.03	5.39	<b>=PB</b>	# of strides	10.82	10.42	0.40
	interval			9.24	9.28	9.42	96.0	9.24	9.60	
	velocity									
<b>Wang Xinkai (CHN) (2004)</b>	time		10.77	15.80	21.41	21.41	6 / 2			
	reaction time	0.172		5.03	5.61		# of strides	10.77	10.64	0.13
	interval			9.29	8.91	9.34	94.0	9.29	9.40	
	velocity									

**Heat 5**

date 01-Jun-24 wind 0.0 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cui Sen (CHN) (2004)</b>	time		11.68	17.07	23.09	23.09	7 / 8			
	reaction time	0.191		5.39	6.02		# of strides	11.68	11.41	0.27
	interval			8.56	8.31	8.66	94.0	8.56	8.76	
	velocity									

**Heat 3**

date 01-Jun-24 wind -0.1 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Song Xinlong (CHN) (2000)</b>	time		11.26	16.59	22.25	22.25	2 / 4			
	reaction time	0.163		5.33	5.66		# of strides	11.26	10.99	0.27
	interval			8.88	8.83	8.99	97.0	8.88	9.10	
	velocity									

**2024 Second Belt & Road Invitational Athletics Meeting (Chongqing, CHN)****FINAL**

date 29-May-24 wind -0.5 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Uno, Shoto (JPN) (2001)</b>	time		10.46	15.42	20.78	20.78	5 / 1			
	reaction time	0.144		4.96	5.36		# of strides	10.46	10.32	0.14
	interval			9.56	9.33	9.62	94.0	9.56	9.69	
	velocity									
<b>Liu Shuoyuan (CHN) (2002)</b>	time		10.61	15.54	20.83	20.83	6 / 2			
	reaction time	0.180		4.93	5.29		# of strides	10.61	10.22	0.39
	interval			9.43	9.45	9.60	93.0	9.43	9.78	
	velocity									
<b>Yamaji, Kotaro (JPN) (2000)</b>	time		10.61	15.54	20.85	20.85	8 / 3			
	reaction time	0.152		4.93	5.31		# of strides	10.61	10.24	0.37
	interval			9.43	9.42	9.59	92.7	9.43	9.77	
	velocity									
<b>Shi Junhao (CHN) (2005)</b>	time		10.64	15.56	20.87	20.87	7 / 4			
	reaction time	0.159		4.92	5.31		# of strides	10.64	10.23	0.41
	interval			9.40	9.42	9.58	92.5	9.40	9.78	
	velocity									
<b>Sun Qingchi (CHN) (2000)</b>	time		10.95	15.87	21.04	21.04	2 / 5			
	reaction time	0.182		4.92	5.17		# of strides	10.95	10.09	0.86
	interval			9.13	9.67	9.51	89.5	9.13	9.91	
	velocity									
<b>Tian Junhao (CHN) (2000)</b>	time		10.87	15.87	21.15	21.15	3 / 6			
	reaction time	0.184		5.00	5.28		# of strides	10.87	10.28	0.59
	interval			9.20	9.47	9.46	88.7	9.20	9.73	
	velocity									

**Heat 18**

date 28-May-24 wind 0.8 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Uno, Shoto (JPN) (2001)</b>	time		10.51	15.46	20.90	20.90	5 / 1			
	reaction time	0.137		4.95	5.44		# of strides	10.51	10.39	0.12
	interval			9.51	9.19	9.57	92.0	9.51	9.62	
	velocity									
<b>Xie Yuqiang (CHN) (1997)</b>	time		11.13	16.32	21.98	21.98	8 / 4			
	reaction time	0.170		5.19	5.66		# of strides	11.13	10.85	0.28
	interval			8.98	8.83	9.10	91.0	8.98	9.22	
	velocity									

**Heat 17**

date 28-May-24 wind -1.0 m/s Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yamaji, Kotaro (JPN) (2000)</b>	time		10.61	15.59	21.02	21.02	2 / 1			
	reaction time	0.159		4.98	5.43		# of strides	10.61	10.41	0.20
	interval			9.43	9.21	9.51		9.43	9.61	
	velocity									
<b>Cui Sen (CHN) (2004)</b>	time		11.41	16.76	22.88	22.88	7 / 4			

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

reaction time	0.209	interval		5.35	6.12		# of strides	11.41	11.47	-0.06
		velocity	8.76	9.35	8.17	8.74	94.0	8.76	8.72	

**Heat 13**

date 28-May-24 wind -1.1 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gong Junbo (CHN) (2006)</b>	time		11.07	16.32	22.05	22.05	4 / 6			
	reaction time	0.181		5.25	5.73		# of strides	11.07	10.98	0.09
			9.03	9.52	8.73	9.07	91.0	9.03	9.11	

**Heat 9**

date 28-May-24 wind 0.3 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jia Runze (CHN) (2003)</b>	time		10.87	15.82	21.05	21.05	7 / 1			
	reaction time	0.205		4.95	5.23	<b>PB</b>	# of strides	10.87	10.18	0.69
			9.20	10.10	9.56	9.50	88.2	9.20	9.82	

**Heat 3**

date 28-May-24 wind -0.4 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Quan Jiafu (CHN) (2004)</b>	time		11.36	16.55	22.03	22.03	3 / 4			
	reaction time	0.149		5.19	5.48		# of strides	11.36	10.67	0.69
			8.80	9.63	9.12	9.08	93.5	8.80	9.37	

**Heat 1**

date 28-May-24 wind -0.6 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jiang Junpeng (CHN) (1999)</b>	time		11.30	16.45	21.83	21.83	1 / 1			
	reaction time	0.140		5.15	5.38		# of strides	11.30	10.53	0.77
			8.85	9.71	9.29	9.16	92.0	8.85	9.50	

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

date 26-May-24 wind 1.1 m/s Shimizu (2024) - shimane high school championships 2024 - biomechanics data analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Edagi, Ren (JPN) (2006)</b>	time		11.03	16.13	21.46	21.46	7 / 1			
	reaction time			5.10	5.33		# of strides	11.03	10.43	0.60
			9.07	9.80	9.38	9.32		9.07	9.59	
<b>Nishikori, Yushin (JPN)</b>	time		11.33	16.57	22.00	22.00	8 / 2			
	reaction time			5.24	5.43		# of strides	11.33	10.67	0.66
			8.83	9.54	9.21	9.09		8.83	9.37	
<b>Ishihara, Yoshiaki (JPN) (2006)</b>	time		11.20	16.47	22.06	22.06	9 / 3			
	reaction time			5.27	5.59		# of strides	11.20	10.86	0.34
			8.93	9.49	8.94	9.07		8.93	9.21	
<b>Inoue, Tetsuya (JPN)</b>	time		11.33	16.61	22.23	22.23	6 / 4			
	reaction time			5.28	5.62		# of strides	11.33	10.90	0.43
			8.83	9.47	8.90	9.00		8.83	9.17	
<b>Kakuhashi, Yuto (JPN)</b>	time		11.53	16.81	22.24	22.24	4 / 5			
	reaction time			5.28	5.43		# of strides	11.53	10.71	0.82
			8.67	9.47	9.21	8.99		8.67	9.34	
<b>Sudo, Narumi (JPN)</b>	time		11.40	16.74	22.40	22.40	3 / 6			
	reaction time			5.34	5.66		# of strides	11.40	11.00	0.40
			8.77	9.36	8.83	8.93		8.77	9.09	
<b>Yamane, Yasuki (JPN)</b>	time		11.57	16.88	22.53	22.53	5 / 7			
	reaction time			5.31	5.65		# of strides	11.57	10.96	0.61
			8.64	9.42	8.85	8.88		8.64	9.12	
<b>Hosokawa, Haruki (JPN)</b>	time		11.52	16.97	22.68	22.68	2 / 8			
	reaction time			5.45	5.71		# of strides	11.52	11.16	0.36
			8.68	9.17	8.76	8.82		8.68	8.96	

**2024 Prefontaine Classic (Eugene, OR)****FINAL**

date 25-May-24 wind 1.8 m/s

Omega Timing (2024) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Bednarek, Kenneth (USA) (1991)</b>	time	5.82	10.33	14.98	19.89	19.89	7 / 1			
	reaction time	0.180	interval	4.51	4.65	4.91	# of strides	10.33	9.56	0.77
	velocity	8.59	11.09	10.75	10.18	10.06	86.6	9.68	10.46	
<b>Lindsey, Courtney (USA) (1998)</b>	time	5.84	10.36	15.06	20.09	20.09	6 / 2			
	reaction time	0.155	interval	4.52	4.70	5.03	# of strides	10.36	9.73	0.63
	velocity	8.56	11.06	10.64	9.94	9.96	90.7	9.65	10.28	
<b>King, Kyree (USA) (1994)</b>	time	5.84	10.41	15.13	20.15	20.15	8 / 3			
	reaction time	0.191	interval	4.57	4.72	5.02	# of strides	10.41	9.74	0.67
	velocity	8.56	10.94	10.59	9.96	9.93	89.0	9.61	10.27	
<b>Fahnbulleh, Joseph (LBR) (2001)</b>	time	5.98	10.56	15.24	20.16	20.16	5 / 4			
	reaction time	0.170	interval	4.58	4.68	4.92	# of strides	10.56	9.60	0.96
	velocity	8.36	10.92	10.68	10.16	9.92	81.0	9.47	10.42	
<b>Ogando, Alexander (DOM) (2001)</b>	time	6.00	10.57	15.25	20.27	20.27	3 / 5			
	reaction time	0.159	interval	4.57	4.68	5.02	# of strides	10.57	9.70	0.87
	velocity	8.33	10.94	10.68	9.96	9.87	90.0	9.46	10.31	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.86	10.53	15.35	20.47	20.47	4 / 6			
	reaction time	0.143	interval	4.67	4.82	5.12	# of strides	10.53	9.94	0.59
	velocity	8.53	10.71	10.37	9.77	9.77	89.5	9.50	10.06	
<b>Curry, Jeremiah (USA) (2000)</b>	time	5.95	10.53	15.34	20.69	20.69	9 / 7			
	reaction time	0.155	interval	4.58	4.81	5.35	# of strides	10.53	10.16	0.37
	velocity	8.40	10.92	10.40	9.35	9.67	91.0	9.50	9.84	
<b>Carnes, Brandon (USA) (1995)</b>	time	5.92	10.70	15.60	20.83	20.83	1 / 8			
	reaction time	0.119	interval	4.78	4.90	5.23	# of strides	10.70	10.13	0.57
	velocity	8.45	10.46	10.20	9.56	9.60	94.0	9.35	9.87	
<b>Kerr, Ian (BAH) (1996)</b>	time	6.01	10.74	15.66	20.87	20.87	2 / 9			
	reaction time	0.176	interval	4.73	4.92	5.21	# of strides	10.74	10.13	0.61
	velocity	8.32	10.57	10.16	9.60	9.58	91.0	9.31	9.87	

**2024 Chinese National Grand Prix 2 (Qingdao, CHN)****FINAL**

date 14-May-24 wind -2.2 m/s

Shandong Athletics Sport Science (2024)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liu Shuoyuan (CHN) (2002)</b>	time		10.86	15.79	21.03	21.03	5 / 1			
	reaction time	0.141	interval	4.93	5.24		# of strides	10.86	10.17	0.69
	velocity		9.21	10.14	9.54	9.51	93.0	9.21	9.83	
<b>Jia Runze (CHN) (2003)</b>	time		11.01	16.01	21.24	21.24	6 / 2			
	reaction time	0.161	interval	5.00	5.23	<b>PB</b>	# of strides	11.01	10.23	0.78
	velocity		9.08	10.00	9.56	9.42	90.5	9.08	9.78	
<b>Suo Gaofei (CHN) (2001)</b>	time		11.06	16.01	21.30	21.30	4 / 3			
	reaction time	0.185	interval	4.95	5.29		# of strides	11.06	10.24	0.82
	velocity		9.04	10.10	9.45	9.39	90.0	9.04	9.77	
<b>Zhu Chongtao (CHN) (2003)</b>	time		11.19	16.16	21.45	21.45	7 / 4			
	reaction time	0.158	interval	4.97	5.29		# of strides	11.19	10.26	0.93
	velocity		8.94	10.06	9.45	9.32	93.0	8.94	9.75	
<b>Wang Xinkai (CHN) (2004)</b>	time		11.03	16.04	21.49	21.49	8 / 5			
	reaction time	0.182	interval	5.01	5.45		# of strides	11.03	10.46	0.57
	velocity		9.07	9.98	9.17	9.31	95.0	9.07	9.56	
<b>Li Yanjing (CHN) (2000)</b>	time		11.09	16.18	21.59	21.59	3 / 6			
	reaction time	0.170	interval	5.09	5.41		# of strides	11.09	10.50	0.59
	velocity		9.02	9.82	9.24	9.26	88.7	9.02	9.52	
<b>Zhang Donghai (CHN) (2000)</b>	time		11.31	16.44	21.83	21.83	2 / 7			
	reaction time	0.177	interval	5.13	5.39		# of strides	11.31	10.52	0.79
	velocity		8.84	9.75	9.28	9.16	96.2	8.84	9.51	

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

<b>Kong Peng (CHN) (2005)</b>	time		11.62	16.81	22.39	22.39	1 / 8			
reaction time	0.198	interval		5.19	5.58		# of strides	11.62	10.77	0.85
		velocity	8.61	9.63	8.96	8.93	91.0	8.61	9.29	

**Heat 10**

date 13-May-24 wind -2.0 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wang Xinkai (CHN) (2004)</b>	time		10.83	15.94	21.46	21.46	6 / 1				
reaction time	0.143	interval		5.11	5.52		# of strides	10.83	10.63	0.20	
		velocity	9.23	9.78	9.06	9.32	96.2	9.23	9.41		

**Heat 8**

date 13-May-24 wind -1.6 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jiang Junpeng (CHN) (1999)</b>	time		10.94	16.17	21.78	21.78	5 / 2				
reaction time	0.145	interval		5.23	5.61		# of strides	10.94	10.84	0.10	
		velocity	9.14	9.56	8.91	9.18	93.2	9.14	9.23		

**Heat 7**

date 13-May-24 wind -2.0 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gong Junbo (CHN) (2006)</b>	time		11.49	17.10	23.52	23.52	8 / 5				
reaction time	0.184	interval		5.61	6.42		# of strides	11.49	12.03	-0.54	
		velocity	8.70	8.91	7.79	8.50	96.2	8.70	8.31		

**Heat 5**

date 13-May-24 wind -1.8 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cui Sen (CHN) (2004)</b>	time		11.23	16.58	22.43	22.43	6 / 4				
reaction time	0.166	interval		5.35	5.85		# of strides	11.23	11.20	0.03	
		velocity	8.90	9.35	8.55	8.92	100.2	8.90	8.93		

**Heat 4**

date 13-May-24 wind -0.9 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Song Xinlong (CHN) (2000)</b>	time		11.11	16.36	22.07	22.07	4 / 2				
reaction time	0.180	interval		5.25	5.71		# of strides	11.11	10.96	0.15	
		velocity	9.00	9.52	8.76	9.06	99.0	9.00	9.12		

**Heat 2**

date 13-May-24 wind -1.4 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jia Runze (CHN) (2003)</b>	time		11.01	16.04	21.35	21.35	6 / 1				
reaction time	0.147	interval		5.03	5.31	<b>PB</b>	# of strides	11.01	10.34	0.67	
		velocity	9.08	9.94	9.42	9.37	88.0	9.08	9.67		

**Heat 1**

date 13-May-24 wind -1.4 m/s

Shandong Athletics Sport Science (2024)

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Song Yunshuai (CHN) (2004)</b>	time		11.69	17.71	24.57	24.57	2 / 8				
reaction time	0.217	interval		6.02	6.86		# of strides	11.69	12.88	-1.19	
		velocity	8.55	8.31	7.29	8.14	97.2	8.55	7.76		

**2024 Seashore Doha Meeting (Doha, QAT)****FINAL**

date 10-May-24 wind 1.7 m/s

Omega Timing (2024) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time		5.75	10.22	14.79	19.67	19.67	7 / 1			
reaction time	0.175	interval		4.47	4.57	4.88	<b>PB</b>	# of strides	10.22	9.45	0.77
		velocity	8.70	11.19	10.94	10.25	10.17	86.0	9.78	10.58	
<b>Lindsey, Courtney (USA) (1998)</b>	time		5.75	10.31	15.00	20.01	20.01	6 / 2			
reaction time	0.154	interval		4.56	4.69	5.01		# of strides	10.31	9.70	0.61
		velocity	8.70	10.96	10.66	9.98	10.00	90.0	9.70	10.31	
<b>King, Kyree (USA) (1994)</b>	time		5.79	10.42	15.16	20.21	20.21	3 / 3			
reaction time	0.139	interval		4.63	4.74	5.05		# of strides	10.42	9.79	0.63
		velocity	8.64	10.80	10.55	9.90	9.90	89.7	9.60	10.21	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time		6.01	10.66	15.36	20.26	20.26	4 / 4			
reaction time	0.151	interval		4.65	4.70	4.90		# of strides	10.66	9.60	1.06

	velocity	8.32	10.75	10.64	10.20	9.87	82.5	9.38	10.42	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.78	10.43	15.20	20.29	20.29	5 / 5			
	reaction time	0.136	interval	4.65	4.77	5.09	# of strides	10.43	9.86	0.57
	velocity	8.65	10.75	10.48	9.82	9.86	89.0	9.59	10.14	
<b>Hartmann, Joshua (GER) (1999)</b>	time	5.80	10.43	15.22	20.36	20.36	2 / 6			
	reaction time	0.126	interval	4.63	4.79	5.14	# of strides	10.43	9.93	0.50
	velocity	8.62	10.80	10.44	9.73	9.82	86.0	9.59	10.07	
<b>Hudson, Andrew (JAM) (1996)</b>	time	5.87	10.59	15.39	20.53	20.53	8 / 7			
	reaction time	0.138	interval	4.72	4.80	5.14	# of strides	10.59	9.94	0.65
	velocity	8.52	10.59	10.42	9.73	9.74	85.7	9.44	10.06	
<b>Volko, Ján (SVK) (1996)</b>	time	5.97	10.90	15.93	21.23	21.23	1 / 8			
	reaction time	0.155	interval	4.93	5.03	5.30	# of strides	10.90	10.33	0.57
	velocity	8.38	10.14	9.94	9.43	9.42	97.5	9.17	9.68	

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

	date	17-Sep-23	wind	0.6 m/s	Omega Timing (2023) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.83	10.34	14.93	19.76	19.76	6 / 1				
	reaction time	0.148	interval	4.51	4.59	4.83	# of strides	10.34	9.42	0.92	
	velocity	8.58	11.09	10.89	10.35	10.12	86.2	9.67	10.62		
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.78	10.26	14.90	19.95	19.95	8 / 2				
	reaction time	0.165	interval	4.48	4.64	5.05	# of strides	10.26	9.69	0.57	
	velocity	8.65	11.16	10.78	9.90	10.03	87.0	9.75	10.32		
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.82	10.30	14.92	19.97	19.97	7 / 3				
	reaction time	0.155	interval	4.48	4.62	5.05	# of strides	10.30	9.67	0.63	
	velocity	8.59	11.16	10.82	9.90	10.02	83.5	9.71	10.34		
<b>Ogando, Alexander (DOM) (2000)</b>	time	5.87	10.42	15.10	20.08	20.08	3 / 4				
	reaction time	0.134	interval	4.55	4.68	4.98	# of strides	10.42	9.66	0.76	
	velocity	8.52	10.99	10.68	10.04	9.96	88.7	9.60	10.35		
<b>King, Kyree (USA) (1994)</b>	time	5.79	10.36	15.11	20.16	20.16	9 / 5				
	reaction time	0.153	interval	4.57	4.75	5.05	# of strides	10.36	9.80	0.56	
	velocity	8.64	10.94	10.53	9.90	9.92	89.0	9.65	10.20		
<b>Brown, Aaron (CAN) (1992)</b>	time	5.80	10.40	15.18	20.23	20.23	5 / 6				
	reaction time	0.143	interval	4.60	4.78	5.05	# of strides	10.40	9.83	0.57	
	velocity	8.62	10.87	10.46	9.90	9.89	90.0	9.62	10.17		
<b>Fahnbulleh, Joseph (LBR) (2000)</b>	time	6.00	10.64	15.38	20.38	20.38	4 / 7				
	reaction time	0.165	interval	4.64	4.74	5.00	# of strides	10.64	9.74	0.90	
	velocity	8.33	10.78	10.55	10.00	9.81	81.2	9.40	10.27		

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

	date	08-Sep-23	wind	-0.1 m/s	Omega Timing (2023) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.73	10.16	14.80	19.79	19.79	7 / 1				
	reaction time	0.174	interval	4.43	4.64	4.99	# of strides	10.16	9.63	0.53	
	velocity	8.73	11.29	10.78	10.02	10.11	87.0	9.84	10.38		
<b>Hughes, Zhanel (GBR) (1995)</b>	time	5.78	10.22	14.82	19.82	19.82	6 / 2				
	reaction time	0.125	interval	4.44	4.60	5.00	# of strides	10.22	9.60	0.62	
	velocity	8.65	11.26	10.87	10.00	10.09	87.0	9.78	10.42		
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.84	10.34	14.97	19.89	19.89	5 / 3				
	reaction time	0.171	interval	4.50	4.63	4.92	# of strides	10.34	9.55	0.79	
	velocity	8.56	11.11	10.80	10.16	10.06	89.0	9.67	10.47		
<b>Brown, Aaron (CAN) (1992)</b>	time	5.82	10.35	15.01	19.98	19.98	4 / 4				

reaction time	0.148	interval	4.53	4.66	4.97	# of strides	10.35	9.63	0.72	
		velocity	8.59	11.04	10.73	10.06	10.01	90.0	9.66	10.38
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.95	10.51	15.27	20.24	20.24	3 / 5			
reaction time	0.159	interval	4.56	4.76	4.97	# of strides	10.51	9.73	0.78	
		velocity	8.40	10.96	10.50	10.06	9.88	81.0	9.51	10.28
<b>Tortu, Filippo (ITA) (1998)</b>	time	5.88	10.44	15.20	20.30	20.30	8 / 6			
reaction time	0.182	interval	4.56	4.76	5.10	# of strides	10.44	9.86	0.58	
		velocity	8.50	10.96	10.50	9.80	9.85	86.5	9.58	10.14
<b>King, Kyree (USA) (1994)</b>	time	5.83	10.45	15.30	20.52	20.52	1 / 7			
reaction time	0.166	interval	4.62	4.85	5.22	# of strides	10.45	10.07	0.38	
		velocity	8.58	10.82	10.31	9.58	9.75	90.0	9.57	9.93
<b>Mena, Reynier (CUB) (1996)</b>	time	5.93	10.66	15.64	20.93	20.93	2 / 8			
reaction time	0.145	interval	4.73	4.98	5.29	# of strides	10.66	10.27	0.39	
		velocity	8.43	10.57	10.04	9.45	9.56	88.5	9.38	9.74

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

		date	31-Aug-23	wind	-0.5 m/s	<i>Omega Timing (2023) - diamond league race analysis</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time			5.76	10.20	14.86	19.80	19.80	6 / 1			
reaction time	0.164	interval			4.44	4.66	4.94	# of strides	10.20	9.60	0.60	
		velocity			8.68	11.26	10.73	10.10	85.0	9.80	10.42	
<b>Knighton, Erriyon (USA) (2004)</b>	time			5.76	10.22	14.88	19.87	19.87	7 / 2			
reaction time	0.147	interval			4.46	4.66	4.99	# of strides	10.22	9.65	0.57	
		velocity			8.68	11.21	10.73	10.07	86.0	9.78	10.36	
<b>Hughes, Zhanel (GBR) (1995)</b>	time			5.81	10.26	14.91	19.94	19.94	5 / 3			
reaction time	0.151	interval			4.45	4.65	5.03	# of strides	10.26	9.68	0.58	
		velocity			8.61	11.24	10.75	10.03	86.7	9.75	10.33	
<b>Bednarek, Kenneth (USA) (1998)</b>	time			5.78	10.24	14.92	19.98	19.98	8 / 4			
reaction time	0.199	interval			4.46	4.68	5.06	# of strides	10.24	9.74	0.50	
		velocity			8.65	11.21	10.68	9.88	84.7	9.77	10.27	
<b>de Grasse, Andre (CAN) (1994)</b>	time			5.86	10.43	15.17	20.26	20.26	4 / 5			
reaction time	0.170	interval			4.57	4.74	5.09	# of strides	10.43	9.83	0.60	
		velocity			8.53	10.94	10.55	9.82	90.0	9.59	10.17	
<b>Brown, Aaron (CAN) (1992)</b>	time			5.79	10.36		20.39	20.39	3 / 6			
reaction time	0.157	interval			4.57		10.03	# of strides	10.36	10.03	0.33	
		velocity			8.64	10.94	9.97	9.81	89.5	9.65	9.97	
<b>Hartmann, Joshua (GER) (1999)</b>	time			5.84	10.47	15.35	20.43	20.43	1 / 7			
reaction time	0.141	interval			4.63	4.88	5.08	# of strides	10.47	9.96	0.51	
		velocity			8.56	10.80	10.25	9.84	86.5	9.55	10.04	
<b>Reais, William (SUI) (1999)</b>	time			5.93	10.59	15.46	20.66	20.66	2 / 8			
reaction time	0.142	interval			4.66	4.87	5.20	# of strides	10.59	10.07	0.52	
		velocity			8.43	10.73	10.27	9.62	87.7	9.44	9.93	

**2023 World Athletics Championships (Budapest, HUN)****FINAL**

		date	25-Aug-23	wind	-0.2 m/s	<i>Seiko Timing (2023) - world championship race analysis</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time				10.26		19.52	19.52	6 / 1			
reaction time	0.144	interval					9.26	# of strides	10.26	9.26	1.00	
		velocity					10.80	10.25	84.0	9.75	10.80	
<b>Knighton, Erriyon (USA) (2004)</b>	time				10.28		19.75	19.75	8 / 2			
reaction time	0.138	interval					9.47	# of strides	10.28	9.47	0.81	
		velocity					10.56	10.13	84.2	9.73	10.56	



<b>Tebogo, Letsile (BOT) (2003)</b>	time	10.32	19.81	19.81	9 / 3			
reaction time	0.141	interval	9.49		# of strides	10.32	9.49	0.83
		velocity	9.69	10.54	10.10	82.7	9.69	10.54
<b>Hughes, Zhanel (GBR) (1995)</b>	time	10.39	20.02	20.02	4 / 4			
reaction time	0.142	interval	9.63		# of strides	10.39	9.63	0.76
		velocity	9.62	10.38	9.99	87.0	9.62	10.38
<b>Bednarek, Kenneth (USA) (1996)</b>	time	10.32	20.07	20.07	7 / 5			
reaction time	0.163	interval	9.75		# of strides	10.32	9.75	0.57
		velocity	9.69	10.26	9.97	85.7	9.69	10.26
<b>de Grasse, Andre (CAN) (1994)</b>	time	10.59	20.14	20.14	3 / 6			
reaction time	0.170	interval	9.55		# of strides	10.59	9.55	1.04
		velocity	9.44	10.47	9.93	90.0	9.44	10.47
<b>Ogando, Alexander (DOM) (2001)</b>	time	10.51	20.23	20.23	5 / 7			
reaction time	0.145	interval	9.72		# of strides	10.51	9.72	0.79
		velocity	9.51	10.29	9.89	89.5	9.51	10.29
<b>Hudson, Andrew (JAM) (1996)</b>	time	10.46	20.40	20.40	1 / 8			
reaction time	0.147	interval	9.94		# of strides	10.46	9.94	0.52
		velocity	9.56	10.06	9.80	85.5	9.56	10.06
<b>Fahnbulleh, Joseph (LBR) (2001)</b>	time	10.74	20.57	20.57	2 / 9			
reaction time	0.163	interval	9.83		# of strides	10.74	9.83	0.91
		velocity	9.31	10.17	9.72	82.5	9.31	10.17

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

## Semi-Final 3

date 24-Aug-23 wind -0.4 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighon, Erriyon (USA) (2004)</b>	time	5.75	10.25	14.96	19.98	19.98	6 / 1			Takahashi (2024)
reaction time	0.151	interval	4.50	4.71	5.02		# of strides	10.25	9.73	0.52
		velocity	8.70	11.11	10.62	9.96	10.01	184.5	9.76	10.28
<b>Hughes, Zhanel (GBR) (1995)</b>	time		10.48		20.02	20.02	7 / 2			Seiko Timing (2023)
reaction time	0.151	interval			9.54		# of strides	10.48	9.54	0.94
		velocity			9.54	10.48	9.99	187.0	9.54	10.48
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.85	10.41	15.10	20.10	20.10	5 / 3			Takahashi (2024)
reaction time	0.152	interval	4.56	4.69	5.00		# of strides	10.41	9.69	0.72
		velocity	8.55	10.96	10.66	10.00	9.95	190.5	9.61	10.32
<b>Fahnbulleh, Joseph (LBR) (2001)</b>	time	5.94	10.53	15.25	20.21	20.21	4 / 4			Takahashi (2024)
reaction time	0.180	interval	4.59	4.72	4.96		# of strides	10.53	9.68	0.85
		velocity	8.42	10.89	10.59	10.08	9.90	181.2	9.50	10.33
<b>Uzawa, Towa (JPN) (2002)</b>	time	5.92	10.56	15.30	20.33	20.33	8 / 5			Takahashi (2024)
reaction time	0.150	interval	4.64	4.74	5.03		# of strides	10.56	9.77	0.79
		velocity	8.45	10.78	10.55	9.94	9.84	192.5	9.47	10.24
<b>Dwyer, Rasheed (JAM) (1989)</b>	time		10.65		20.49	20.49	9 / 6			Seiko Timing (2023)
reaction time	0.154	interval			9.84		# of strides	10.65	9.84	0.81
		velocity			9.39	10.16	9.76	187.5	9.39	10.16
<b>Maswanganyi, Shaun (RSA) (2001)</b>	time		10.62		20.65	20.65	3 / 7			Seiko Timing (2023)
reaction time	0.147	interval			10.03		# of strides	10.62	10.03	0.59
		velocity			9.42	9.97	9.69	184.0	9.42	9.97
<b>Reais, William (SUI) (1999)</b>	time		10.76		20.67	20.67	2 / 8			Seiko Timing (2023)
reaction time	0.161	interval			9.91		# of strides	10.76	9.91	0.85
		velocity			9.29	10.09	9.68	188.0	9.29	10.09

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

## Semi-Final 2

date 24-Aug-23 wind 0.0 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1996)</b>	time		10.34		19.96	19.96	7 / 1			
reaction time	0.174	interval			9.62		# of strides	10.34	9.62	0.72

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

	velocity		9.67	10.40	10.02	185.2	9.67	10.40		
<b>Tebogo, Letsile (BOT) (2003)</b>	time	5.83	10.35	15.01	19.97	19.97	6 / 2			<i>Takahashi (2024)</i>
	reaction time	0.174	interval	4.52	4.66	4.96	# of strides	10.35	9.62	0.73
	velocity	8.58	11.06	10.73	10.08	10.02	182.0	9.66	10.40	
<b>Brown, Aaron (CAN) (1992)</b>	time		10.48		20.17	20.17	8 / <del>3</del>			<i>no official time</i>
	reaction time	0.145	interval		9.69	<b>DQ</b>	# of strides	10.48	9.69	0.79
	velocity		9.54		10.32	9.92	191.0	9.54	10.32	
<b>Lindsey, Courtney (USA) (1998)</b>	time		10.49		20.22	20.22	5 / <del>4</del> 3			
	reaction time	0.180	interval		9.73		# of strides	10.49	9.73	0.76
	velocity		9.53		10.28	9.89	89.5	9.53	10.28	
<b>Dambile, Sinesipho (RSA) (2002)</b>	time		10.52		20.28	20.28	9 / <del>5</del> 4			
	reaction time	0.162	interval		9.76	<b>PB</b>	# of strides	10.52	9.76	0.76
	velocity		9.51		10.25	9.86	186.0	9.51	10.25	
<b>Correa, Renan (BRA) (2004)</b>	time		10.56		20.43	20.43	4 / <del>6</del> 5			
	reaction time	0.174	interval		9.87		# of strides	10.56	9.87	0.69
	velocity		9.47		10.13	9.79	183.0	9.47	10.13	
<b>Burnet, Taymir (NED) (1992)</b>	time		10.52		20.65	20.65	3 / <del>7</del> 6			
	reaction time	0.140	interval		10.13		# of strides	10.52	10.13	0.39
	velocity		9.51		9.87	9.69	189.0	9.51	9.87	
<b>Akintola, Alaba (NGR) (2001)</b>	time		10.53		20.75	20.75	2 / <del>8</del> 7			
	reaction time	0.127	interval		10.22		# of strides	10.53	10.22	0.31
	velocity		9.50		9.78	9.64	93.2	9.50	9.78	

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

### Semi-Final 1

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

*Seiko Timing (2023) - world championship race analysis*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Lyles, Noah (USA) (1997)</b>	time		5.75	10.22	14.85	19.76	19.76	8 / 1			<i>Takahashi (2024)</i>	
	reaction time	0.152	interval	4.47	4.63	4.91	# of strides	10.22	9.54	0.68		
	velocity		8.70	11.19	10.80	10.18	185.0	9.78	10.48			
<b>Ogando, Alexander (DOM) (200)</b>	time		10.49		20.02	20.02	6 / 2					
	reaction time	0.142	interval		9.53		# of strides	10.49	9.53	0.96		
	velocity		9.53		10.49	9.99	188.2	9.53	10.49			
<b>Orogot, Tarsis (UGA) (2002)</b>	time		10.58		20.26	20.26	3 / 3					
	reaction time	0.151	interval		9.68		# of strides	10.58	9.68	0.90		
	velocity		9.45		10.33	9.87	190.0	9.45	10.33			
<b>Rodney, Brendon (CAN) (1992)</b>	time		10.36		20.27	20.27	7 / 4					
	reaction time	0.148	interval		9.91		# of strides	10.36	9.91	0.45		
	velocity		9.65		10.09	9.87	187.0	9.65	10.09			
<b>Hudson, Andrew (JAM) (1996)</b>	time		10.48		20.38	20.38	9 / 5					
	reaction time	0.138	interval		9.90		# of strides	10.48	9.90	0.58		
	velocity		9.54		10.10	9.81	185.0	9.54	10.10			
<b>Adams, Luxolo (RSA) (1996)</b>		0.151	no information available				20.44	4 / 6		# of strides	190.7	
<b>Iizuka, Shota (JPN) (1991)</b>	time		5.92	10.64	15.44	20.54	20.54	2 / 7			<i>Takahashi (2024)</i>	
	reaction time	0.148	interval	4.72	4.80	5.10	# of strides	10.64	9.90	0.74		
	velocity		8.45	10.59	10.42	9.80	190.0	9.40	10.10			
<b>Macik, Ondřej (CZE) (2001)</b>	time		10.66		20.71	20.71	5 / 8					
	reaction time	0.137	interval		10.05		# of strides	10.66	10.05	0.61		
	velocity		9.38		9.95	9.66	191.0	9.38	9.95			

### Heat 7

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

*Seiko Timing (2023) - world championship race analysis*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time		10.43		20.01	20.01	5 / 1				
	reaction time	0.159	interval		9.58		# of strides	10.43	9.58	0.85	

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

	velocity	9.59	10.44	10.00	86.0	9.59	10.44	
<b>Ogando, Alexander (DOM) (200)</b>	time	10.73	20.14	20.14	7 / 2			
	reaction time	0.165	interval	9.41	# of strides	10.73	9.41	1.32
	velocity	9.32	10.63	9.93	88.2	9.32	10.63	
<b>Zeze, Ryan (FRA) (1998)</b>	time	10.46	20.16	20.16	2 / <del>3</del>	<i>no official time - fs protest (0.083)</i>		
	reaction time	0.136	interval	9.70	<b>DQ</b> # of strides	10.46	9.70	0.76
	velocity	9.56	10.31	9.92	87.0	9.56	10.31	
<b>Akintola, Alaba (NGR) (2001)</b>	time	10.58	20.54	20.54	6 / <del>4</del> 3			
	reaction time	0.177	interval	9.96	# of strides	10.58	9.96	0.62
	velocity	9.45	10.04	9.74	93.0	9.45	10.04	
<b>Edward, Alonso (PAN) (1989)</b>	time	11.71	20.63	20.63	3 / <del>5</del> 4			
	reaction time	0.127	interval	8.92	# of strides	11.71	8.92	2.79
	velocity	8.54	11.21	9.69	85.7	8.54	11.21	
<b>da Silva, Lucas (BRA) (2001)</b>	time	11.72	20.86	20.86	4 / <del>6</del> 5			
	reaction time	0.138	interval	9.14	# of strides	11.72	9.14	2.58
	velocity	8.53	10.94	9.59	83.0	8.53	10.94	
<b>Yaseen, Taha Hussein (IRQ) (19)</b>	time	10.93	21.01	21.01	9 / <del>7</del> 6			
	reaction time	0.135	interval	10.08	# of strides	10.93	10.08	0.85
	velocity	9.15	9.92	9.52	94.0	9.15	9.92	
<b>Komański, Albert (POL) (2000)</b>	time	11.85	21.16	21.16	8 / <del>8</del> 7			
	reaction time	0.146	interval	9.31	# of strides	11.85	9.31	2.54
	velocity	8.44	10.74	9.45	89.0	8.44	10.74	

## Heat 6

date 23-Aug-23 wind -0.5 m/s

Seiko Timing (2023) - world championship race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time		10.56		20.17	20.17	9 / 1			
	reaction time	0.158	interval		9.61	# of strides	10.56	9.61	0.95	
	velocity		9.47		10.41	9.92	83.0	9.47	10.41	
<b>de Grasse, Andre (CAN) (1994)</b>	time		10.48		20.28	20.28	7 / 2			
	reaction time	0.145	interval		9.80	# of strides	10.48	9.80	0.68	
	velocity		9.54		10.20	9.86	89.0	9.54	10.20	
<b>Dambile, Sinesipho (RSA) (2002)</b>	time		10.58		20.34	20.34	8 / 3			
	reaction time	0.156	interval		9.76	# of strides	10.58	9.76	0.82	
	velocity		9.45		10.25	9.83	84.2	9.45	10.25	
<b>Tortu, Filippo (ITA) (1998)</b>	time		10.64		20.46	20.46	3 / 4			
	reaction time	0.179	interval		9.82	# of strides	10.64	9.82	0.82	
	velocity		9.40		10.18	9.78	87.0	9.40	10.18	
<b>Amoah, Joseph (GHA) (1997)</b>	time		10.54		20.56	20.56	6 / 5			
	reaction time	0.160	interval		10.02	# of strides	10.54	10.02	0.52	
	velocity		9.49		9.98	9.73	89.0	9.49	9.98	
<b>Matsenjwa, Sibusiso (SWZ) (19)</b>	time		10.84		20.88	20.88	5 / 6			
	reaction time	0.166	interval		10.04	# of strides	10.84	10.04	0.80	
	velocity		9.23		9.96	9.58	87.2	9.23	9.96	
<b>Maganga Gorra, Guy (GAB) (19)</b>	time		10.92		21.04	21.04	2 / 7			
	reaction time	0.178	interval		10.12	# of strides	10.92	10.12	0.80	
	velocity		9.16		9.88	9.51	88.7	9.16	9.88	
<b>Romero, Yeykell (NCA) (2002)</b>	time		10.96		21.71	21.71	4 / 8			
	reaction time	0.156	interval		10.75	# of strides	10.96	10.75	0.21	
	velocity		9.12		9.30	9.21	92.0	9.12	9.30	

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

Seiko Timing (2023) - world championship race analysis

## Heat 5

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

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

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

<b>Uzawa, Towa (JPN) (2002)</b>	time	5.94	10.62	15.33	20.34	20.34	8 / 1	<i>Takahashi (2024)</i>		
reaction time	0.149	interval	4.68	4.71	5.01		# of strides	10.62	9.72	0.90
		velocity	8.42	10.68	10.62	9.98	9.83	91.2	9.42	10.29
<b>Lindsey, Courtney (USA) (1998)</b>	time		10.54		20.39	20.39	7 / 2			
reaction time	0.153	interval			9.85		# of strides	10.54	9.85	0.69
		velocity	9.49		10.15	9.81	88.0	9.49	10.15	
<b>Dwyer, Rasheed (JAM) (1989)</b>	time		10.58		20.40	20.40	3 / 3			
reaction time	0.150	interval			9.82		# of strides	10.58	9.82	0.76
		velocity	9.45		10.18	9.80	89.0	9.45	10.18	
<b>Orogot, Tarsis (UGA) (2002)</b>	time		10.92		20.44	20.44	5 / 4			
reaction time	0.160	interval			9.52		# of strides	10.92	9.52	1.40
		velocity	9.16		10.50	9.78	89.0	9.16	10.50	
<b>Yang Chun-Han (TPE) (1997)</b>	time		10.75		20.82	20.82	4 / 5			
reaction time	0.135	interval			10.07		# of strides	10.75	10.07	0.68
		velocity	9.30		9.93	9.61	94.2	9.30	9.93	
<b>Guliyev, Ramil (TUR) (1990)</b>	time		10.86		20.89	20.89	9 / 6			
reaction time	0.160	interval			10.03		# of strides	10.86	10.03	0.83
		velocity	9.21		9.97	9.57	89.0	9.21	9.97	
<b>Endeladze, Mindia (GEO) (1998)</b>	time		11.03		21.20	21.20	6 / 7			
reaction time	0.168	interval			10.17		# of strides	11.03	10.17	0.86
		velocity	9.07		9.83	9.43	87.2	9.07	9.83	

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

## Heat 4

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

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Rodney, Brendon (CAN) (1992)</b>	time			10.42		20.14	20.14	8 / 1			
reaction time	0.153	interval				9.72		# of strides	10.42	9.72	0.70
		velocity		9.60		10.29	9.93	85.5	9.60	10.29	
<b>Correa, Renan (BRA) (2004)</b>	time			10.55		20.44	20.44	6 / 2			
reaction time	0.171	interval				9.89		# of strides	10.55	9.89	0.66
		velocity		9.48		10.11	9.78	86.0	9.48	10.11	
<b>Maswanganyi, Shaun (RSA) (2000)</b>	time			10.64		20.56	20.56	2 / 3			
reaction time	0.174	interval				9.92		# of strides	10.64	9.92	0.72
		velocity		9.40		10.08	9.73	83.5	9.40	10.08	
<b>Ueyama, Koki (JPN) (1999)</b>	time		5.91	10.59	15.42	20.66	20.66	5 / 4	<i>Takahashi (2024)</i>		
reaction time	0.147	interval		4.68	4.83	5.24		# of strides	10.59	10.07	0.52
		velocity	8.46	10.68	10.35	9.54	9.68	90.0	9.44	9.93	
<b>Buntin, Nadale (SKN) (2000)</b>	time			10.74		20.90	20.90	3 / 5			
reaction time	0.146	interval				10.16		# of strides	10.74	10.16	0.58
		velocity		9.31		9.84	9.57	88.5	9.31	9.84	
<b>Wahl, Zoltán (HUN) (2000)</b>	time			10.98		20.90	20.90	4 / 5			
reaction time	0.158	interval				9.92	<b>PB</b>	# of strides	10.98	9.92	1.06
		velocity		9.11		10.08	9.57	90.5	9.11	10.08	
<b>Al-Hindi, Mohamed Obaid (OMN) (2000)</b>	time			11.06		21.39	21.39	7 / 7			
reaction time	0.176	interval				10.33		# of strides	11.06	10.33	0.73
		velocity		9.04		9.68	9.35	93.0	9.04	9.68	

## Heat 3

date 23-Aug-23 wind -1.4 m/s

Seiko Timing (2023) - world championship race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tebogo, Letsile (BOT) (2003)</b>	time			10.60		20.22	20.22	7 / 1			
reaction time	0.168	interval				9.62		# of strides	10.60	9.62	0.98
		velocity		9.43		10.40	9.89	81.2	9.43	10.40	
<b>Fahnbulleh, Joseph (LBR) (2000)</b>	time			10.82		20.42	20.42	5 / 2			
reaction time	0.161	interval				9.60		# of strides	10.82	9.60	1.22

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

	velocity	9.24	10.42	9.79	81.5	9.24	10.42		
<b>Reais, William (SUI) (1999)</b>	time	10.77	20.50	20.50	9 / 3				
reaction time	0.164 interval		9.73		# of strides	10.77	9.73	1.04	
	velocity	9.29	10.28	9.76	86.0	9.29	10.28		
<b>Hartman, Joshua (GER) (1999)</b>	time	10.59	20.51	20.51	3 / 4				
reaction time	0.157 interval		9.92		# of strides	10.59	9.92	0.67	
	velocity	9.44	10.08	9.75	86.2	9.44	10.08		
<b>Afrifah, Blessing (ISR) (2003)</b>	time	10.69	20.73	20.73	2 / 5				
reaction time	0.160 interval		10.04		# of strides	10.69	10.04	0.65	
	velocity	9.35	9.96	9.65	88.7	9.35	9.96		
<b>Murphy, Aidan (AUS) (2003)</b>	time	10.81	20.90	20.90	6 / 6				
reaction time	0.139 interval		10.09		# of strides	10.81	10.09	0.72	
	velocity	9.25	9.91	9.57	89.0	9.25	9.91		
<b>Santos, Marcos (ANG) (2004)</b>	time	10.76	21.05	21.05	4 / 7				
reaction time	0.141 interval		10.29	<b>NR NJR PB</b>	# of strides	10.76	10.29	0.47	
	velocity	9.29	9.72	9.50	88.0	9.29	9.72		
<b>Maaroufou, Hachim (COM) (1996)</b>	0.167	no information available		21.29	8 / 8			# of strides	87.0

## Heat 2

date		23-Aug-23		wind	-0.1 m/s		Seiko Timing (2023) - world championship race analysis				
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Lyles, Noah (USA) (1997)</b>	time		10.47		20.05	20.05	8 / 1				
reaction time	0.173 interval				9.58		# of strides	10.47	9.58	0.89	
	velocity		9.55		10.44	9.98	83.7	9.55	10.44		
<b>Hudson, Andrew (JAM) (1996)</b>	time		10.55		20.25	20.25	4 / 2				
reaction time	0.141 interval				9.70		# of strides	10.55	9.70	0.85	
	velocity		9.48		10.31	9.88	83.5	9.48	10.31		
<b>Macik, Ondřej (CZE) (2001)</b>	time		10.64		20.40	20.40	9 / 3				
reaction time	0.149 interval				9.76		# of strides	10.64	9.76	0.88	
	velocity		9.40		10.25	9.80	90.0	9.40	10.25		
<b>Makarawu, Tapiwanashe (ZIM) (2001)</b>	time		10.77		20.64	20.64	3 / 4				
reaction time	0.188 interval				9.87		# of strides	10.77	9.87	0.90	
	velocity		9.29		10.13	9.69	87.2	9.29	10.13		
<b>Volko, Ján (SVK) (1996)</b>	time		10.69		20.69	20.69	5 / 5				
reaction time	0.161 interval				10.00		# of strides	10.69	10.00	0.69	
	velocity		9.35		10.00	9.67	94.0	9.35	10.00		
<b>Vides, Jorge (BRA) (1992)</b>	time		10.88		20.80	20.80	2 / 6				
reaction time	0.161 interval				9.92		# of strides	10.88	9.92	0.96	
	velocity		9.19		10.08	9.62	87.7	9.19	10.08		
<b>Ko Seunghwan (KOR) (1997)</b>	time		10.79		21.09	21.09	1 / 7				
reaction time	0.138 interval				10.30		# of strides	10.79	10.30	0.49	
	velocity		9.27		9.71	9.48	87.0	9.27	9.71		
<b>Kamau, Leroy (PNG) (1999)</b>	time		10.91		21.18	21.18	6 / 8				
reaction time	0.189 interval				10.27		# of strides	10.91	10.27	0.64	
	velocity		9.17		9.74	9.44	98.0	9.17	9.74		
<b>Franco, Jessy (GIB) (1998)</b>	time		11.23		22.04	22.04	7 / 9				
reaction time	0.153 interval				10.81		# of strides	11.23	10.81	0.42	
	velocity		8.90		9.25	9.07	93.2	8.90	9.25		

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

## Heat 1

date		23-Aug-23		wind	0.0 m/s		Seiko Timing (2023) - world championship race analysis				
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Hughes, Zhanel (GBR) (1995)</b>	time		10.46		19.99	19.99	4 / 1				
reaction time	0.138 interval				9.53		# of strides	10.46	9.53	0.93	

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

	velocity		9.56	10.49	10.01	87.5	9.56	10.49	
<b>Brown, Aaron (CAN) (1992)</b>	time		10.78	20.08	20.08	2 / 2			
reaction time	0.154	interval		9.30		# of strides	10.78	9.30	1.48
	velocity		9.28	10.75	9.96	89.0	9.28	10.75	
<b>Adams, Luxolo (RSA) (1996)</b>	time		10.57	20.15	20.15	5 / 3			
reaction time	0.149	interval		9.58		# of strides	10.57	9.58	0.99
	velocity		9.46	10.44	9.93	89.0	9.46	10.44	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.88	10.54	15.24	20.27	20.27	8 / 4		<i>Takahashi (2024)</i>
reaction time	0.157	interval		4.66	4.70	5.03	# of strides	10.54	9.73
	velocity	8.50	10.73	10.64	9.94	9.87	89.0	9.49	10.28
<b>Burnet, Taymir (NED) (1992)</b>	time		10.58	20.31	20.31	7 / 5			
reaction time	0.137	interval		9.73	<b>PB</b>	# of strides	10.58	9.73	0.85
	velocity		9.45	10.28	9.85	87.2	9.45	10.28	
<b>Desalu, Eseosa (ITA) (1994)</b>	time		10.59	20.49	20.49	3 / 6			
reaction time	0.143	interval		9.90		# of strides	10.59	9.90	0.69
	velocity		9.44	10.10	9.76	89.0	9.44	10.10	
<b>Truskauskas, Gediminas (LTU)</b>	time		10.86	20.90	20.90	6 / 7			
reaction time	0.147	interval		10.04		# of strides	10.86	10.04	0.82
	velocity		9.21	9.96	9.57	84.2	9.21	9.96	
<b>Burraj, Franko (ALB) (1998)</b>	time		11.19	21.52	21.52	9 / 8			
reaction time	0.167	interval		10.33		# of strides	11.19	10.33	0.86
	velocity		8.94	9.68	9.29	85.5	8.94	9.68	

## 2023 Japanese National High School Championships (Sapporo, JPN)

### FINAL

date 05-Aug-23

wind 2.9 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kuroki, Kaisho (JPN)</b>	time		5.89	10.84	15.76	20.90	20.90	4 / 1			
reaction time	0.214	interval		4.95	4.92	5.14		# of strides	10.84	10.06	0.78
	velocity		8.49	10.10	10.16	9.73	9.57		9.23	9.94	
<b>Mukai, Yuta (JPN) (2005)</b>	time		5.96	10.97	15.92	21.02	21.02	5 / 2			
reaction time	0.189	interval		5.01	4.95	5.10		# of strides	10.97	10.05	0.92
	velocity		8.39	9.98	10.10	9.80	9.51		9.12	9.95	
<b>Uematsu, Kota (JPN) (2002)</b>	time		6.06	11.07	15.98	21.12	21.12	3 / 3			
reaction time	0.201	interval		5.01	4.91	5.14		# of strides	11.07	10.05	1.02
	velocity		8.25	9.98	10.18	9.73	9.47		9.03	9.95	
<b>Wakana, Kei (JPN) (2006)</b>	time		6.13	11.10	16.02	21.16	21.16	7 / 4			
reaction time	0.206	interval		4.97	4.92	5.14		# of strides	11.10	10.06	1.04
	velocity		8.16	10.06	10.16	9.73	9.45		9.01	9.94	
<b>Mahara, Koshiro (JPN)</b>	time		6.04	11.09	16.04	21.16	21.16	6 / 5			
reaction time	0.198	interval		5.05	4.95	5.12		# of strides	11.09	10.07	1.02
	velocity		8.28	9.90	10.10	9.77	9.45		9.02	9.93	
<b>Hirakawa, Kei (JPN)</b>	time		5.95	10.94	15.93	21.19	21.19	2 / 6			
reaction time	0.174	interval		4.99	4.99	5.26		# of strides	10.94	10.25	0.69
	velocity		8.40	10.02	10.02	9.51	9.44		9.14	9.76	
<b>Tsuda, Iban (JPN) (2005)</b>	time		5.99	10.98	15.94	21.23	21.23	9 / 7			
reaction time	0.220	interval		4.99	4.96	5.29		# of strides	10.98	10.25	0.73
	velocity		8.35	10.02	10.08	9.45	9.42		9.11	9.76	
<b>Hayato, Hoshi (JPN)</b>	time		6.15	11.20	16.16	21.38	21.38	8 / 8			
reaction time	0.218	interval		5.05	4.96	5.22		# of strides	11.20	10.18	1.02
	velocity		8.13	9.90	10.08	9.58	9.35		8.93	9.82	

## 2023 London Athletics Meet (London, GBR)

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

## FINAL

		date	23-Jul-23	wind	1.6 m/s	Omega Timing (2023) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time			5.77	10.19	14.70	19.47	19.47	6 / 1			
	reaction time	0.157	interval		4.42	4.51	4.77		# of strides	10.19	9.28	0.91
			velocity	8.67	11.31	11.09	10.48	10.27	84.0	9.81	10.78	
<b>Tebogo, Letsile (BOT) (2003)</b>	time			5.77	10.23	14.77	19.50	19.50	8 / 2			
	reaction time	0.170	interval		4.46	4.54	4.73	AR PB	# of strides	10.23	9.27	0.96
			velocity	8.67	11.21	11.01	10.57	10.26	81.5	9.78	10.79	
<b>Hughes, Zharnel (GBR) (1995)</b>	time			5.76	10.20	14.75	19.73	19.73	7 / 3			
	reaction time	0.130	interval		4.44	4.55	4.98	NR PB	# of strides	10.20	9.53	0.67
			velocity	8.68	11.26	10.99	10.04	10.14	86.0	9.80	10.49	
<b>King, Kyree (USA) (1994)</b>	time			5.75	10.30	14.98	20.01	20.01	4 / 4			
	reaction time	0.154	interval		4.55	4.68	5.03		# of strides	10.30	9.71	0.59
			velocity	8.70	10.99	10.68	9.94	10.00	90.5	9.71	10.30	
<b>Ogando, Alexander (DOM) (200)</b>	time			5.90	10.45	15.15	20.14	20.14	5 / 5			
	reaction time	0.152	interval		4.55	4.70	4.99		# of strides	10.45	9.69	0.76
			velocity	8.47	10.99	10.64	10.02	9.93	88.0	9.57	10.32	
<b>Matadi, Emmanuel (LBR) (1991)</b>	time			5.84	10.45	15.24	20.35	20.35	3 / 6			
	reaction time	0.177	interval		4.61	4.79	5.11		# of strides	10.45	9.90	0.55
			velocity	8.56	10.85	10.44	9.78	9.83	88.5	9.57	10.10	
<b>Ferguson, Joe (GBR) (2000)</b>	time			6.00	10.74	15.52	20.44	20.44	1 / 7			
	reaction time	0.156	interval		4.74	4.78	4.92		# of strides	10.74	9.70	1.04
			velocity	8.33	10.55	10.46	10.16	9.78	90.0	9.31	10.31	
<b>Efoloko, Jona (GBR) (1999)</b>	time			5.86	10.54	15.40	20.56	20.56	2 / 8			
	reaction time	0.146	interval		4.68	4.86	5.16		# of strides	10.54	10.02	0.52
			velocity	8.53	10.68	10.29	9.69	9.73	92.7	9.49	9.98	

## 2023 Chinese National Championships (Quzhou, CHN)

## Semi-Final 2

		date	23-Jul-23	wind	-0.4 m/s	Shandong Athletics Sport Science (2023)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liu Shuoyuan (CHN) (2002)</b>	time				10.43	15.29	20.67	20.67	5 / 1			
	reaction time	0.153	interval			4.86	5.38		# of strides	10.43	10.24	0.19
			velocity		9.59	10.29	9.29	9.68	91.0	9.59	9.77	
<b>Liu Zengsheng (CHN) (2003)</b>	time				10.73	15.64	21.01	21.01	8 / 2			
	reaction time	0.177	interval			4.91	5.37	PB	# of strides	10.73	10.28	0.45
			velocity		9.32	10.18	9.31	9.52		9.32	9.73	
<b>Wumaier Ailixier (CHN) (2006)</b>	time				10.78	15.77	21.12	21.12	3 / 3			
	reaction time	0.177	interval			4.99	5.35		# of strides	10.78	10.34	0.44
			velocity		9.28	10.02	9.35	9.47	89.5	9.28	9.67	
<b>Zhang Xiaonan (CHN) (2001)</b>	time				10.68	15.67	21.16	21.16	7 / 4			
	reaction time	0.165	interval			4.99	5.49		# of strides	10.68	10.48	0.20
			velocity		9.36	10.02	9.11	9.45		9.36	9.54	
<b>Meng Dsheng (CHN) (2006)</b>	time				10.87	15.87	21.38	21.38	4 / 7			
	reaction time	0.188	interval			5.00	5.51		# of strides	10.87	10.51	0.36
			velocity		9.20	10.00	9.07	9.35	91.2	9.20	9.51	

## Semi-Final 1

		date	23-Jul-23	wind	-0.7 m/s	Shandong Athletics Sport Science (2023)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Guan Xin (CHN) (2001)</b>	time				10.53	15.52	21.03	21.03	5 / 1			
	reaction time	0.232	interval			4.99	5.51		# of strides	10.53	10.50	0.03
			velocity		9.50	10.02	9.07	9.51	91.0	9.50	9.52	
<b>Wang Qi (CHN) (1995)</b>	time				10.64	15.59	21.03	21.03	6 / 2			
	reaction time	0.184	interval			4.95	5.44		# of strides	10.64	10.39	0.25

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

	velocity		9.40	10.10	9.19	9.51	92.5	9.40	9.62	
<b>Sun Qingchi (CHN) (2000)</b>	time		10.88	15.77	21.04	21.04	7 / 3			
reaction time	0.168	interval		4.89	5.27		# of strides	10.88	10.16	0.72
	velocity		9.19	10.22	9.49	9.51	88.5	9.19	9.84	
<b>Liu Ke (CHN) (2000)</b>	time		10.74	15.69	21.19	21.19	4 / 4			
reaction time	0.165	interval		4.95	5.50		# of strides	10.74	10.45	0.29
	velocity		9.31	10.10	9.09	9.44	93.0	9.31	9.57	
<b>Cui Sen (CHN) (2004)</b>	time		10.66	15.69	21.20	21.20	8 / 6			
reaction time	0.178	interval		5.03	5.51	<b>=PB</b>	# of strides	10.66	10.54	0.12
	velocity		9.38	9.94	9.07	9.43	96.0	9.38	9.49	

**Heat 3**

		date	22-Jul-23	wind	1.0 m/s						Shandong Athletics Sport Science (2023)		
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Wang Qi (CHN) (1995)</b>	time			10.58	15.49	20.83	20.83	6 / 1					
reaction time	0.168	interval			4.91	5.34	<b>PB</b>	# of strides	10.58	10.25	0.33		
	velocity			9.45	10.18	9.36	9.60	91.5	9.45	9.76			
<b>Guan Xin (CHN) (2001)</b>	time			10.54	15.47	20.86	20.86	4 / 2					
reaction time	0.190	interval			4.93	5.39		# of strides	10.54	10.32	0.22		
	velocity			9.49	10.14	9.28	9.59		9.49	9.69			
<b>Cui Sen (CHN) (2004)</b>	time			10.82	15.82	21.22	21.22	8 / 3					
reaction time	0.182	interval			5.00	5.40		# of strides	10.82	10.40	0.42		
	velocity			9.24	10.00	9.26	9.43	95.0	9.24	9.62			

**Heat 2**

		date	22-Jul-23	wind	-1.1 m/s						Shandong Athletics Sport Science (2023)		
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Chen Jinfeng (CHN) (2004)</b>	time			10.54	15.48	20.98	20.98	3 / 1					
reaction time	0.183	interval			4.94	5.50		# of strides	10.54	10.44	0.10		
	velocity			9.49	10.12	9.09	9.53	90.0	9.49	9.58			
<b>Wumaier Ailixier (CHN) (2006)</b>	time			10.79	15.80	21.17	21.17	4 / 2					
reaction time	0.163	interval			5.01	5.37		# of strides	10.79	10.38	0.41		
	velocity			9.27	9.98	9.31	9.45	88.5	9.27	9.63			
<b>Meng Dsheng (CHN) (2006)</b>	time			10.82	15.83	21.23	21.23	5 / 3					
reaction time	0.234	interval			5.01	5.40		# of strides	10.82	10.41	0.41		
	velocity			9.24	9.98	9.26	9.42	90.7	9.24	9.61			

**2023 Athletissima (Lausanne, SUI)****FINAL**

		date	30-Jun-23	wind	-1.4 m/s						Omega Timing (2023) - diamond league race analysis		
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Tebogo, Letsile (BOT) (2003)</b>	time			5.75	10.36	15.03	20.01	20.01	7 / 1				
reaction time	0.172	interval			4.61	4.67	4.98		# of strides	10.36	9.65	0.71	
	velocity			8.70	10.85	10.71	10.04	10.00	85.0	9.65	10.36		
<b>Richards, Jereem (TTO) (1994)</b>	time			5.83	10.40	15.07	20.11	20.11	8 / 2				
reaction time	0.136	interval			4.57	4.67	5.04		# of strides	10.40	9.71	0.69	
	velocity			8.58	10.94	10.71	9.92	9.95	88.7	9.62	10.30		
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time			5.84	10.49	15.22	20.21	20.21	5 / 3				
reaction time	0.124	interval			4.65	4.73	4.99		# of strides	10.49	9.72	0.77	
	velocity			8.56	10.75	10.57	10.02	9.90	81.7	9.53	10.29		
<b>Mena, Reynier (CUB) (1996)</b>	time			5.74	10.40	15.13	20.24	20.24	6 / 4				
reaction time	0.125	interval			4.66	4.73	5.11		# of strides	10.40	9.84	0.56	
	velocity			8.71	10.73	10.57	9.78	9.88	87.7	9.62	10.16		
<b>Brown, Aaron (CAN) (1992)</b>	time			5.75	10.37	15.18	20.44	20.44	4 / 5				
reaction time	0.140	interval			4.62	4.81	5.26		# of strides	10.37	10.07	0.30	
	velocity			8.70	10.82	10.40	9.51	9.78	91.0	9.64	9.93		



<b>de Grasse, Andre (CAN) (1994)</b>	time	5.93	10.63	15.46	20.57	20.57	3 / 6			
reaction time	0.144	interval	4.70	4.83	5.11		# of strides	10.63	9.94	0.69
		velocity	8.43	10.64	10.35	9.78	9.72	9.41	10.06	
<b>Reais, William (SUI) (1999)</b>	time	5.92	10.66	15.60	20.91	20.91	2 / 7			
reaction time	0.150	interval	4.74	4.94	5.31		# of strides	10.66	10.25	0.41
		velocity	8.45	10.55	10.12	9.42	9.56	9.38	9.76	
<b>Burnet, Taymir (NED) (1992)</b>	time	5.90	10.67	15.75	21.30	21.30	1 / 8			
reaction time	0.142	interval	4.77	5.08	5.55		# of strides	10.67	10.63	0.04
		velocity	8.47	10.48	9.84	9.01	9.39	9.37	9.41	

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

### FINAL

		date	29-Jun-23	wind	0.1 m/s						Shandong Athletics Sport Science (2023)		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
<b>Xie Zhenye (CHN) (1993)</b>	time				10.56	15.33	20.49	20.49	6 / 1				
reaction time	0.177	interval			4.77	5.16			# of strides	10.56	9.93	0.63	
		velocity			9.47	10.48	9.69	9.76	88.7	9.47	10.07		
<b>Liu Shuoyuan (CHN) (2002)</b>	time				10.66	15.44	20.53	20.53	5 / 2				
reaction time	0.161	interval			4.78	5.09			# of strides	10.66	9.87	0.79	
		velocity			9.38	10.46	9.82	9.74	92.2	9.38	10.13		
<b>Chen Jinfeng (CHN) (2004)</b>	time				10.58	15.46	20.71	20.71	7 / 3				
reaction time	0.183	interval			4.88	5.25	<b>PB</b>		# of strides	10.58	10.13	0.45	
		velocity			9.45	10.25	9.52	9.66	91.5	9.45	9.87		
<b>Sun Qingchi (CHN) (2000)</b>	time				10.88	15.73	20.93	20.93	4 / 4				
reaction time	0.169	interval			4.85	5.20			# of strides	10.88	10.05	0.83	
		velocity			9.19	10.31	9.62	9.56	89.0	9.19	9.95		
<b>Guan Xin (CHN) (2001)</b>	time				10.80	15.73	21.00	21.00	3 / 5				
reaction time	0.206	interval			4.93	5.27			# of strides	10.80	10.20	0.60	
		velocity			9.26	10.14	9.49	9.52	88.7	9.26	9.80		
<b>Qiao Zhen (CHN) (2001)</b>	time				10.93	15.82	21.03	21.03	2 / 6				
reaction time	0.197	interval			4.89	5.21			# of strides	10.93	10.10	0.83	
		velocity			9.15	10.22	9.60	9.51	86.0	9.15	9.90		
<b>Meng Desheng (CHN) (2006)</b>	time				11.11	15.99	21.17	21.17	8 / 7				
reaction time	0.238	interval			4.88	5.18			# of strides	11.11	10.06	1.05	
		velocity			9.00	10.25	9.65	9.45	90.0	9.00	9.94		

### Heat 3

		date	28-Jun-23	wind	-0.4 m/s						Shandong Athletics Sport Science (2023)		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
<b>Xie Zhenye (CHN) (1993)</b>	time				10.27	15.13	20.55	20.55	6 / 1				
reaction time	0.164	interval			4.86	5.42			# of strides	10.27	10.28	-0.01	
		velocity			9.74	10.29	9.23	9.73	89.2	9.74	9.73		
<b>Meng Desheng (CHN) (2006)</b>	time				10.81	15.81	21.24	21.24	3 / 2				
reaction time	0.222	interval			5.00	5.43			# of strides	10.81	10.43	0.38	
		velocity			9.25	10.00	9.21	9.42	91.5	9.25	9.59		

### Heat 2

		date	28-Jun-23	wind	-0.1 m/s						Shandong Athletics Sport Science (2023)		
				50m	100m	150m	200m	Official Time	Lane / Place		0-100m	100-200m	Differential
<b>Liu Shuoyuan (CHN) (2002)</b>	time				10.34	15.16	20.52	20.52	5 / 1				
reaction time	0.158	interval			4.82	5.36	<b>PB</b>		# of strides	10.34	10.18	0.16	
		velocity			9.67	10.37	9.33	9.75	90.5	9.67	9.82		
<b>Sun Qingchi (CHN) (2000)</b>	time				10.66	15.46	20.77	20.77	7 / 2				
reaction time	0.156	interval			4.80	5.31	<b>PB</b>		# of strides	10.66	10.11	0.55	
		velocity			9.38	10.42	9.42	9.63	89.0	9.38	9.89		
<b>Tian Junhao (CHN) (2000)</b>	time				10.61	15.57	20.99	20.99	8 / 3				
reaction time	0.180	interval			4.96	5.42	<b>PB</b>		# of strides	10.61	10.38	0.23	

velocity	9.43	10.08	9.23	9.53	86.0	9.43	9.63
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**Heat 1**

date 28-Jun-23 wind -0.2 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Chen Jinfeng (CHN) (2004)</b>	time		10.47	15.34	20.75	20.75	6 / 1			
	reaction time	0.169				<b>PB</b>	# of strides	10.47	10.28	0.19
	interval			4.87	5.41					
	velocity		9.55	10.27	9.24	9.64	91.0	9.55	9.73	
<b>Guan Xin (CHN) (2001)</b>	time		10.59	15.50	20.99	20.99	5 / 2			
	reaction time	0.209					# of strides	10.59	10.40	0.19
	interval			4.91	5.49					
	velocity		9.44	10.18	9.11	9.53	91.0	9.44	9.62	
<b>Qiao Zhen (CHN) (2001)</b>	time		10.73	15.72	21.00	21.00	7 / 3			
	reaction time	0.192					# of strides	10.73	10.27	0.46
	interval			4.99	5.28					
	velocity		9.32	10.02	9.47	9.52	86.7	9.32	9.74	

**2023 Bislett Games (Oslo, NOR)****FINAL**

date 15-Jun-23 wind 0.6 m/s

Omega Timing (2023) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.81	10.27	14.91	19.77	19.77	5 / 1			
	reaction time	0.153					# of strides	10.27	9.50	0.77
	interval		4.46	4.64	4.86					
	velocity	8.61	11.21	10.78	10.29	10.12	83.2	9.74	10.53	
<b>Mena, Reynier (CUB) (1996)</b>	time	5.80	10.42	15.11	20.09	20.09	6 / 2			
	reaction time	0.136					# of strides	10.42	9.67	0.75
	interval		4.62	4.69	4.98					
	velocity	8.62	10.82	10.66	10.04	9.96	87.0	9.60	10.34	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.95	10.58	15.30	20.23	20.23	4 / 3			
	reaction time	0.131					# of strides	10.58	9.65	0.93
	interval		4.63	4.72	4.93					
	velocity	8.40	10.80	10.59	10.14	9.89	83.2	9.45	10.36	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.97	10.62	15.32	20.27	20.27	3 / 4			
	reaction time	0.131					# of strides	10.62	9.65	0.97
	interval		4.65	4.70	4.95					
	velocity	8.38	10.75	10.64	10.10	9.87	88.0	9.42	10.36	
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.93	10.58	15.32	20.33	20.33	7 / 5			
	reaction time	0.148					# of strides	10.58	9.75	0.83
	interval		4.65	4.74	5.01					
	velocity	8.43	10.75	10.55	9.98	9.84	90.0	9.45	10.26	
<b>Hartmann, Joshua (GER) (1999)</b>	time	5.85	10.49	15.32	20.39	20.39	1 / 6			
	reaction time	0.131					# of strides	10.49	9.90	0.59
	interval		4.64	4.83	5.07					
	velocity	8.55	10.78	10.35	9.86	9.81	86.2	9.53	10.10	
<b>Fall, Mouhamadou (FRA) (1992)</b>	time	5.88	10.50	15.37	20.65	20.65	8 / 7			
	reaction time	0.152					# of strides	10.50	10.15	0.35
	interval		4.62	4.87	5.28					
	velocity	8.50	10.82	10.27	9.47	9.69	88.0	9.52	9.85	
<b>Adams, Luxolo (RSA) (1996)</b>	time	6.03	10.75	15.59	20.79	20.79	2 / 8			
	reaction time	0.183					# of strides	10.75	10.04	0.71
	interval		4.72	4.84	5.20					
	velocity	8.29	10.59	10.33	9.62	9.62	90.0	9.30	9.96	

**2023 Chinese National Grand Prix 5 (Huangshi, CHN)****Heat 8**

date 10-Jun-23 wind -0.3 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jiang Junpeng (CHN) (1999)</b>	time		10.97	16.01	21.37	21.37	4 / 1			
	reaction time	0.179					# of strides	10.97	10.40	0.57
	interval			5.04	5.36					
	velocity		9.12	9.92	9.33	9.36	90.5	9.12	9.62	

**Heat 7**

date 10-Jun-23 wind 0.4 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cui Sen (CHN) (2004)</b>	time		10.83	15.81	21.20	21.20	9 / 1			
	reaction time	0.196				<b>PB</b>	# of strides	10.83	10.37	0.46
	interval			4.98	5.39					
	velocity		9.23	10.04	9.28	9.43	94.2	9.23	9.64	

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

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

## FINAL

		date	wind					Shandong Athletics Sport Science (2023)				
		04-Jun-23	-0.5 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tian Junhao (CHN) (2000)</b>	time				10.90	15.96	21.36	21.36	4 / 1			
	reaction time	0.168	interval			5.06	5.40		# of strides	10.90	10.46	0.44
			velocity		9.17	9.88	9.26	9.36		89.5	9.17	9.56
<b>Zhu Chongtao (CHN) (2003)</b>	time				11.03	16.04	21.54	21.54	2 / 2			
	reaction time	0.202	interval			5.01	5.50		# of strides	11.03	10.51	0.52
			velocity		9.07	9.98	9.09	9.29		93.0	9.07	9.51
<b>Luo Wenyi (CHN) (1998)</b>	time				11.35	16.51	22.05	22.05	1 / 3			
	reaction time	0.228	interval			5.16	5.54		# of strides	11.35	10.70	0.65
			velocity		8.81	9.69	9.03	9.07		96.5	8.81	9.35
<b>Liu Zengsheng (CHN) (2003)</b>	time				11.11	16.54	22.52	22.52	8 / 4			
	reaction time	0.215	interval			5.43	5.98		# of strides	11.11	11.41	-0.30
			velocity		9.00	9.21	8.36	8.88		92.0	9.00	8.76
<b>Qiao Zhen (CHN) (2001)</b>	time				11.44	16.89	23.07	23.07	7 / 5			
	reaction time	0.234	interval			5.45	6.18		# of strides	11.44	11.63	-0.19
			velocity		8.74	9.17	8.09	8.67		85.0	8.74	8.60

## Heat 11

		date	wind					Shandong Athletics Sport Science (2023)				
		03-Jun-23	0.0 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Zhang Donghai (CHN) (2000)</b>	time				10.71	15.67	21.08	21.08	6 / 1			
	reaction time	0.189	interval			4.96	5.41	<b>PB</b>	# of strides	10.71	10.37	0.34
			velocity		9.34	10.08	9.24	9.49			9.34	9.64
<b>Li LI (CHN) (2002)</b>	time				11.03	16.30	22.03	22.03	3 / 5			
	reaction time	0.192	interval			5.27	5.73		# of strides	11.03	11.00	0.03
			velocity		9.07	9.49	8.73	9.08		89.0	9.07	9.09

## Heat 10

		date	wind					Shandong Athletics Sport Science (2023)				
		03-Jun-23	0.3 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tian Junhao (CHN) (2000)</b>	time				10.86	15.82	21.05	21.05	7 / 1			
	reaction time	0.161	interval			4.96	5.23	<b>PB</b>	# of strides	10.86	10.19	0.67
			velocity		9.21	10.08	9.56	9.50		91.0	9.21	9.81
<b>Jiang Junpeng (CHN) (1999)</b>	time				10.97	15.94	21.25	21.25	5 / 2			
	reaction time	0.156	interval			4.97	5.31	<b>PB</b>	# of strides	10.97	10.28	0.69
			velocity		9.12	10.06	9.42	9.41		89.0	9.12	9.73

## Heat 9

		date	wind					Shandong Athletics Sport Science (2023)				
		03-Jun-23	1.0 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yang Xiang (CHN) (2004)</b>	time				10.99	15.88	21.33	21.33	5 / 1			
	reaction time	0.200	interval			4.89	5.45	<b>PB</b>	# of strides	10.99	10.34	0.65
			velocity		9.10	10.22	9.17	9.38		90.0	9.10	9.67
<b>Song Xinlong (CHN) (2000)</b>	time				11.07	16.14	21.78	21.78	4 / 5			
	reaction time	0.183	interval			5.07	5.64		# of strides	11.07	10.71	0.36
			velocity		9.03	9.86	8.87	9.18		98.0	9.03	9.34

## Heat 8

		date	wind					Shandong Athletics Sport Science (2023)				
		03-Jun-23	1.0 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Xie Yuqiang (CHN) (1997)</b>	time				10.76	15.78	21.26	21.26	7 / 1			
	reaction time	0.170	interval			5.02	5.48		# of strides	10.76	10.50	0.26
			velocity		9.29	9.96	9.12	9.41		90.0	9.29	9.52

## Heat 5

		date	wind					Shandong Athletics Sport Science (2023)				
		03-Jun-23	0.4 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Qiao Zhen (CHN) (2001)</b>	time				10.64	15.61	20.95	20.95	7 / 1			
	reaction time	0.201	interval			4.97	5.34		# of strides	10.64	10.31	0.33
			velocity		9.40	10.06	9.36	9.55		87.2	9.40	9.70

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

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

## FINAL

date 02-Jun-23

wind 0.0 m/s

Omega Timing (2023) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time		5.80	10.28	14.97	19.89	19.89	5 / 1			
	reaction time	0.158		4.48	4.69	4.92		# of strides	10.28	9.61	0.67
			8.62	11.16	10.66	10.16	10.06	84.0	9.73	10.41	
<b>Richards, Jereem (TTO) (1994)</b>	time		5.91	10.50	15.24	20.28	20.28	6 / 2			
	reaction time	0.136		4.59	4.74	5.04		# of strides	10.50	9.78	0.72
			8.46	10.89	10.55	9.92	9.86	89.0	9.52	10.22	
<b>Brown, Aaron (CAN) (1992)</b>	time		5.82	10.39	15.18	20.31	20.31	4 / 3			
	reaction time	0.150		4.57	4.79	5.13		# of strides	10.39	9.92	0.47
			8.59	10.94	10.44	9.75	9.85	90.0	9.62	10.08	
<b>Tortu, Filippo (ITA) (1998)</b>	time		5.92	10.56	15.36	20.41	20.41	7 / 4			
	reaction time	0.159		4.64	4.80	5.05		# of strides	10.56	9.85	0.71
			8.45	10.78	10.42	9.90	9.80	87.0	9.47	10.15	
<b>Mena, Reynier (CUB) (1996)</b>	time		5.80	10.44	15.29	20.48	20.48	1 / 5			
	reaction time	0.134		4.64	4.85	5.19		# of strides	10.44	10.04	0.40
			8.62	10.78	10.31	9.63	9.77	88.2	9.58	9.96	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time		6.01	10.63	15.42	20.51	20.51	3 / 6			
	reaction time	0.134		4.62	4.79	5.09		# of strides	10.63	9.88	0.75
			8.32	10.82	10.44	9.82	9.75	82.5	9.41	10.12	
<b>Desalu, Eseosa Fostine (ITA) (1)</b>	time		6.08	10.73	15.58	20.90	20.90	8 / 7			
	reaction time	0.197		4.65	4.85	5.32		# of strides	10.73	10.17	0.56
			8.22	10.75	10.31	9.40	9.57	91.0	9.32	9.83	

## 2023 Japanese National Championships (Osaka, JPN)

## FINAL

date 02-Jun-23

wind -0.2 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Uzawa, Towa (JPN) (2002)</b>	time		5.92	10.59	15.31	20.32	20.32	6 / 1			
	reaction time	0.165		4.67	4.72	5.01	<b>PB</b>	# of strides	10.59	9.73	0.86
			8.45	10.71	10.59	9.98	9.84	92.2	9.44	10.28	
<b>Uno, Shoto (JPN) (2001)</b>	time		5.87	10.55	15.38	20.55	20.55	7 / 2			
	reaction time	0.168		4.68	4.83	5.17		# of strides	10.55	10.00	0.55
			8.52	10.68	10.35	9.67	9.73	93.2	9.48	10.00	
<b>Mizukubo, Soshi (JPN) (1999)</b>	time		5.86	10.48	15.39	20.66	20.66	4 / 3			
	reaction time	0.170		4.62	4.91	5.27		# of strides	10.48	10.18	0.30
			8.53	10.82	10.18	9.49	9.68	92.0	9.54	9.82	
<b>Iizuka, Shota (JPN) (1991)</b>	time		5.93	10.62	15.54	20.84	20.84	5 / 5			
	reaction time	0.181		4.69	4.92	5.30		# of strides	10.62	10.22	0.40
			8.43	10.66	10.16	9.43	9.60	92.0	9.42	9.78	
<b>Ueyama, Koki (JPN) (1999)</b>	time		5.91	10.58	15.52	20.94	20.94	2 / 7			
	reaction time	0.159		4.67	4.94	5.42		# of strides	10.58	10.36	0.22
			8.46	10.71	10.12	9.23	9.55	92.0	9.45	9.65	

## 2023 Japanese U20 National Championships (Osaka, JPN)

## FINAL

date 02-Jun-23

wind 0.2 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wakana, Kei (JPN) (2006)</b>	time		6.13	10.91	15.91	21.18	21.18	6 / 1			
	reaction time	0.197		4.78	5.00	5.27		# of strides	10.91	10.27	0.64
			8.16	10.46	10.00	9.49	9.44	89.0	9.17	9.74	
<b>Shimizu, Tkeru (JPN) (2004)</b>	time		6.07	10.93	15.91	21.19	21.19	5 / 2			
	reaction time	0.163		4.86	4.98	5.28		# of strides	10.93	10.26	0.67
			8.24	10.29	10.04	9.47	9.44	88.2	9.15	9.75	
<b>Mukai, Yuta (JPN) (2005)</b>	time		6.10	10.96	16.02	21.35	21.35	9 / 3			

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

reaction time	0.164	interval	4.86	5.06	5.33	# of strides	10.96	10.39	0.57
velocity	8.20	10.29	9.88	9.38	9.37	98.5	9.12	9.62	

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

### National FINAL

date 28-May-23

wind -0.2 m/s

Omega Timing (2023) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>El Haddaoui, Ayman (MAR) (20)</b>	time		6.11	10.93	15.99	21.53	21.53	4 / 1			
	reaction time	0.171		4.82	5.06	5.54		# of strides	10.93	10.60	0.33
	interval										
	velocity		8.18	10.37	9.88	9.03	9.29		9.15	9.43	
<b>Zerhoumi, Mohamed (MAR) (19)</b>	time		6.25	11.20	16.34	21.87	21.87	2 / 2			
	reaction time	0.141		4.95	5.14	5.53		# of strides	11.20	10.67	0.53
	interval										
	velocity		8.00	10.10	9.73	9.04	9.14		8.93	9.37	
<b>Nahal, Mouncef (MAR) (2003)</b>	time		6.16	11.17	16.36	21.89	21.89	3 / 3			
	reaction time	0.151		5.01	5.19	5.53	<b>PB</b>	# of strides	11.17	10.72	0.45
	interval										
	velocity		8.12	9.98	9.63	9.04	9.14		8.95	9.33	
<b>Zghali, Abdelghani (MAR) (199)</b>	time		6.18	11.19	16.45	22.32	22.32	6 / 4			
	reaction time	0.146		5.01	5.26	5.87		# of strides	11.19	11.13	0.06
	interval										
	velocity		8.09	9.98	9.51	8.52	8.96		8.94	8.98	
<b>Ait Elhadj, Amine (MAR) (1999)</b>	time		6.21	11.26	16.57	22.44	22.44	5 / 5			
	reaction time	0.206		5.05	5.31	5.87		# of strides	11.26	11.18	0.08
	interval										
	velocity		8.05	9.90	9.42	8.52	8.91		8.88	8.94	
<b>Zariq, Ilyass (MAR) (2004)</b>	time		6.32	11.46	16.88	22.64	22.64	7 / 6			
	reaction time	0.200		5.14	5.42	5.76		# of strides	11.46	11.18	0.28
	interval										
	velocity		7.91	9.73	9.23	8.68	8.83		8.73	8.94	
<b>Fourar, Adam (MAR) (2007)</b>	time		6.31	11.41	16.79	22.68	22.68	1 / 7			
	reaction time	0.215		5.10	5.38	5.89	<b>PB</b>	# of strides	11.41	11.27	0.14
	interval										
	velocity		7.92	9.80	9.29	8.49	8.82		8.76	8.87	
<b>Ouyamna, Abdelali (MAR) (200)</b>	time		6.57	11.71	17.02	22.81	22.81	8 / 8			
	reaction time	0.213		5.14	5.31	5.79		# of strides	11.71	11.10	0.61
	interval										
	velocity		7.61	9.73	9.42	8.64	8.77		8.54	9.01	

## 2023 Shimane High School Championships (Izumo, JPN)

### FINAL

date 28-May-23

wind -1.2 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fujiwara, Ryusei (JPN)</b>	time			11.04	16.27	21.67	21.67	3 / 1			
	reaction time				5.23	5.40		# of strides	11.04	10.63	0.41
	interval										
	velocity			9.06	9.56	9.26	9.23		9.06	9.41	
<b>Edagi, Ren (JPN) (2006)</b>	time			11.04	16.30	21.77	21.77	6 / 2			
	reaction time				5.26	5.47		# of strides	11.04	10.73	0.31
	interval										
	velocity			9.06	9.51	9.14	9.19		9.06	9.32	
<b>Komura, Ryoku (JPN)</b>	time			11.38	16.83	22.54	22.54	4 / 3			
	reaction time				5.45	5.71		# of strides	11.38	11.16	0.22
	interval										
	velocity			8.79	9.17	8.76	8.87		8.79	8.96	
<b>Nishikori, Yushin (JPN)</b>	time			11.58	17.08	22.77	22.77	7 / 4			
	reaction time				5.50	5.69		# of strides	11.58	11.19	0.39
	interval										
	velocity			8.64	9.09	8.79	8.78		8.64	8.94	
<b>Ishihara, Yoshiaki (JPN) (2006)</b>	time			11.25	16.81	22.80	22.80	8 / 5			
	reaction time				5.56	5.99		# of strides	11.25	11.55	-0.30
	interval										
	velocity			8.89	8.99	8.35	8.77		8.89	8.66	
<b>Hashido, Kyosei (JPN)</b>	time			11.63	17.15	22.97	22.97	5 / 6			
	reaction time				5.52	5.82		# of strides	11.63	11.34	0.29
	interval										
	velocity			8.60	9.06	8.59	8.71		8.60	8.82	

<b>Takumi, Suyama (JPN)</b>	time	11.90	17.53	23.45	23.45	2 / 7			
reaction time	interval		5.63	5.92		# of strides	11.90	11.55	0.35
	velocity	8.40	8.88	8.45	8.53		8.40	8.66	

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

		date	28-May-23	wind	-0.8 m/s	Shandong Athletics Sport Science (2023)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Qiao Zhen (CHN) (2001)</b>	time			11.16	16.06	21.23	21.23		8 / 1			
reaction time	0.218	interval			4.90	5.17			# of strides	11.16	10.07	1.09
		velocity		8.96	10.20	9.67	9.42		86.5	8.96	9.93	
<b>Liu Ke (CHN) (2000)</b>	time			10.95	15.91	21.24	21.24		5 / 2			
reaction time	0.142	interval			4.96	5.33			# of strides	10.95	10.29	0.66
		velocity		9.13	10.08	9.38	9.42		92.2	9.13	9.72	
<b>Yang Hanhui (CHN) (2002)</b>	time			11.18	16.10	21.31	21.31		7 / 3			
reaction time	0.197	interval			4.92	5.21			# of strides	11.18	10.13	1.05
		velocity		8.94	10.16	9.60	9.39		89.0	8.94	9.87	
<b>Cheng Jiajun (CHN) (2002)</b>	time			11.45	16.47	21.79	21.79		1 / 4			
reaction time	0.173	interval			5.02	5.32			# of strides	11.45	10.34	1.11
		velocity		8.73	9.96	9.40	9.18		93.2	8.73	9.67	
<b>Liu Junchen (CHN) (2000)</b>	time			11.20	16.34	21.84	21.84		3 / 5			
reaction time	0.181	interval			5.14	5.50			# of strides	11.20	10.64	0.56
		velocity		8.93	9.73	9.09	9.16		94.0	8.93	9.40	

**Heat 6**

		date	27-May-23	wind	-1.0 m/s	Shandong Athletics Sport Science (2023)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Liu Ke (CHN) (2000)</b>	time			10.98	15.91	21.30	21.30		7 / 1			
reaction time	0.170	interval			4.93	5.39			# of strides	10.98	10.32	0.66
		velocity		9.11	10.14	9.28	9.39		92.2	9.11	9.69	
<b>Li Weixiang (CHN) (2003)</b>	time			10.86	15.96	21.53	21.53		3 / 2			
reaction time	0.154	interval			5.10	5.57	<b>PB</b>		# of strides	10.86	10.67	0.19
		velocity		9.21	9.80	8.98	9.29			9.21	9.37	
<b>Liu Junchen (CHN) (2000)</b>	time			11.01	16.06	21.54	21.54		8 / 3			
reaction time	0.154	interval			5.05	5.48	<b>PB</b>		# of strides	11.01	10.53	0.48
		velocity		9.08	9.90	9.12	9.29			9.08	9.50	
<b>Guo Renwang (CHN) (1998)</b>	time			10.88	15.91	21.54	21.54		5 / 4			
reaction time	0.185	interval			5.03	5.63			# of strides	10.88	10.66	0.22
		velocity		9.19	9.94	8.88	9.29		92.2	9.19	9.38	
<b>Cui Sen (CHN) (2004)</b>	time			10.99	16.18	21.73	21.73		6 / 5			
reaction time	0.182	interval			5.19	5.55	<b>PB</b>		# of strides	10.99	10.74	0.25
		velocity		9.10	9.63	9.01	9.20		97.5	9.10	9.31	

**Heat 5**

		date	27-May-23	wind	-0.1 m/s	Shandong Athletics Sport Science (2023)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yang Hanhui (CHN) (2002)</b>	time			11.07	16.08	21.39	21.39		3 / 1			
reaction time	0.196	interval			5.01	5.31			# of strides	11.07	10.32	0.75
		velocity		9.03	9.98	9.42	9.35			9.03	9.69	
<b>Zhang Xiaonan (CHN) (2001)</b>	time			10.93	16.08	21.69	21.69		4 / 2			
reaction time	0.172	interval			5.15	5.61			# of strides	10.93	10.76	0.17
		velocity		9.15	9.71	8.91	9.22			9.15	9.29	
<b>Song Xinlong (CHN) (2000)</b>	time			10.98	16.16	21.71	21.71		7 / 3			
reaction time	0.151	interval			5.18	5.55			# of strides	10.98	10.73	0.25
		velocity		9.11	9.65	9.01	9.21		98.0	9.11	9.32	

**Heat 2**

		date	27-May-23	wind	-1.5 m/s	Shandong Athletics Sport Science (2023)						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential

<b>Xie Yuqiang (CHN) (1997)</b>	time	10.96	16.02	21.59	21.59	4 / 1			
reaction time	0.167	interval	5.06	5.57		# of strides	10.96	10.63	0.33
		velocity	9.12	9.88	8.98	9.26	90.0	9.12	9.41

**Heat 1**

date 27-May-23 wind -1.1 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Qiao Zhen (CHN) (2001)</b>	time	10.93	16.05	21.57	21.57	6 / 1				
reaction time	0.198	interval	5.12	5.52		# of strides	10.93	10.64	0.29	
		velocity	9.15	9.77	9.06	9.27	88.2	9.15	9.40	
<b>Mi Chengze (CHN) (2001)</b>	time	10.88	16.05	21.85	21.85	8 / 2				
reaction time	0.203	interval	5.17	5.80		# of strides	10.88	10.97	-0.09	
		velocity	9.19	9.67	8.62	9.15		9.19	9.12	
<b>Kong Peng (CHN) (2005)</b>	time	11.13	16.39	22.05	22.05	2 / 3				
reaction time	0.181	interval	5.26	5.66		# of strides	11.13	10.92	0.21	
		velocity	8.98	9.51	8.83	9.07		8.98	9.16	

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

date 28-Apr-23 wind -1.4 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sun Qingchi (CHN) (2000)</b>	time	11.01	15.98	21.12	21.12	4 / 1				
reaction time	0.159	interval	4.97	5.14	<b>PB</b>	# of strides	11.01	10.11	0.90	
		velocity	9.08	10.06	9.73	9.47	90.0	9.08	9.89	
<b>Qiao Zhen (CHN) (2001)</b>	time	10.92	15.86	21.16	21.16	6 / 2				
reaction time	0.168	interval	4.94	5.30		# of strides	10.92	10.24	0.68	
		velocity	9.16	10.12	9.43	9.45	87.0	9.16	9.77	
<b>Wang Chenhao (CHN) (2001)</b>	time	10.86	15.89	21.31	21.31	9 / 3				
reaction time	0.204	interval	5.03	5.42		# of strides	10.86	10.45	0.41	
		velocity	9.21	9.94	9.23	9.39		9.21	9.57	
<b>Wumaier Ailixier (CHN) (2006)</b>	time	10.93	16.03	21.33	21.33	8 / 4				
reaction time	0.137	interval	5.10	5.30		# of strides	10.93	10.40	0.53	
		velocity	9.15	9.80	9.43	9.38		9.15	9.62	
<b>An Tai (CHN) (2001)</b>	time	10.83	15.91	21.42	21.42	2 / 5				
reaction time	0.155	interval	5.08	5.51		# of strides	10.83	10.59	0.24	
		velocity	9.23	9.84	9.07	9.34		9.23	9.44	
<b>Cheng Jiajun (CHN) (2002)</b>	time	11.04	16.08	21.45	21.45	5 / 6				
reaction time	0.183	interval	5.04	5.37		# of strides	11.04	10.41	0.63	
		velocity	9.06	9.92	9.31	9.32	95.0	9.06	9.61	
<b>Yishake Ailikuti (CHN) (2002)</b>	time	11.06	16.24	21.76	21.76	3 / 7				
reaction time	0.165	interval	5.18	5.52		# of strides	11.06	10.70	0.36	
		velocity	9.04	9.65	9.06	9.19	98.7	9.04	9.35	

**Heat 6**

date 27-Apr-23 wind 0.5 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Qiao Zhen (CHN) (2001)</b>	time	10.73	15.61	20.85	20.85	7 / 1				
reaction time	0.191	interval	4.88	5.24		# of strides	10.73	10.12	0.61	
		velocity	9.32	10.25	9.54	9.59	86.7	9.32	9.88	

**Heat 5**

date 27-Apr-23 wind -1.4 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Xie Yuqiang (CHN) (1997)</b>	time	11.30	16.56	22.14	22.14	7 / 3				
reaction time	0.187	interval	5.26	5.58		# of strides	11.30	10.84	0.46	
		velocity	8.85	9.51	8.96	9.03	88.5	8.85	9.23	

**Heat 4**

date 27-Apr-23 wind 0.4 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jiang Junpeng (CHN) (1999)</b>	time	10.96	16.06	21.51	21.51	8 / 1				
reaction time	0.151	interval	5.10	5.45		# of strides	10.96	10.55	0.41	

velocity	9.12	9.80	9.17	9.30	91.0	9.12	9.48
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**Heat 3**

date 27-Apr-23 wind 0.2 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Song Xinlong (CHN) (2000)</b>	time		11.00	16.23	21.89	21.89	5 / 3			
	reaction time	0.159					# of strides	11.00	10.89	0.11
	interval			5.23	5.66					
	velocity		9.09	9.56	8.83	9.14	98.7	9.09	9.18	

**Heat 2**

date 27-Apr-23 wind 0.4 m/s

Shandong Athletics Sport Science (2023)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cui Sen (CHN) (2004)</b>	time		10.97	16.14	21.68	21.68	7 / 3			
	reaction time	0.151					# of strides	10.97	10.71	0.26
	interval			5.17	5.54	<b>DQ</b>				
	velocity		9.12	9.67	9.03	9.23	96.7	9.12	9.34	

**2023 Doha Diamond League (Doha, QAT)****FINAL**

date 05-May-23 wind 0.3 m/s

Omega Timing (2023) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kerley, Fred (USA) (1995)</b>	0.147	no information available				19.92	7 / 1		# of strides	85.7
<b>Bednarek, Kenneth (USA) (1996)</b>	time	5.86	10.14	14.87	20.11	20.11	6 / 2			
	reaction time	0.169					# of strides	10.14	9.97	0.17
	interval		4.28	4.73	5.24					
	velocity		8.53	11.68	10.57	9.95	89.0	9.86	10.03	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.91	10.36	15.08	20.20	20.20	4 / 3			
	reaction time	0.157					# of strides	10.36	9.84	0.52
	interval		4.45	4.72	5.12					
	velocity		8.46	11.24	10.59	9.90	90.5	9.65	10.16	
<b>King, Kyree (USA) (1994)</b>	time	6.38	10.53	15.34	20.29	20.29	1 / 4			
	reaction time	0.123					# of strides	10.53	9.76	0.77
	interval		4.15	4.81	4.95					
	velocity		7.84	12.05	10.40	10.10	9.86	90.5	9.50	10.25
<b>Fahnbulleh, Joseph (LBR) (2000)</b>	time	5.99	10.61	15.34	20.29	20.29	2 / 5			
	reaction time	0.156					# of strides	10.61	9.68	0.93
	interval		4.62	4.73	4.95					
	velocity		8.35	10.82	10.57	10.10	9.86	82.0	9.43	10.33
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.91	10.46	15.16	20.35	20.35	8 / 6			
	reaction time	0.137					# of strides	10.46	9.89	0.57
	interval		4.55	4.70	5.19					
	velocity		8.46	10.99	10.64	9.63	9.83	91.0	9.56	10.11
<b>Ogando, Alexander (DOM) (2000)</b>	time	6.10	10.71	15.46	20.62	20.62	3 / 7			
	reaction time	0.164					# of strides	10.71	9.91	0.80
	interval		4.61	4.75	5.16					
	velocity		8.20	10.85	10.53	9.69	9.70	82.0	9.34	10.09
<b>Norman, Michael (USA) (1997)</b>	time	5.93	10.54	15.45	20.65	20.65	5 / 8			
	reaction time	0.145					# of strides	10.54	10.11	0.43
	interval		4.61	4.91	5.20					
	velocity		8.43	10.85	10.18	9.62	9.69	89.5	9.49	9.89

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

date 08-Sep-22 wind -0.6 m/s

Omega Timing (2022) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.72	10.13	14.71	19.52	19.52	6 / 1			
	reaction time	0.164					# of strides	10.13	9.39	0.74
	interval		4.41	4.58	4.81					
	velocity		8.74	11.34	10.92	10.40	10.25	85.7	9.87	10.65
<b>Brown, Aaron (CAN) (1992)</b>	time	5.82	10.35	15.04	20.02	20.02	2 / 2			
	reaction time	0.148					# of strides	10.35	9.67	0.68
	interval		4.53	4.69	4.98					
	velocity		8.59	11.04	10.66	10.04	9.99	91.0	9.66	10.34
<b>Ogando, Alexander (DOM) (2000)</b>	time	5.92	10.42	15.07	20.02	20.02	4 / 3			
	reaction time	0.157					# of strides	10.42	9.60	0.82
	interval		4.50	4.65	4.95					
	velocity		8.45	11.11	10.75	10.10	9.99	90.0	9.60	10.42
<b>Knighon, Erriyon (USA) (2004)</b>	time	5.81	10.33	15.02	20.20	20.20	5 / 4			
	reaction time	0.183					# of strides	10.33	9.87	0.46
	interval		4.52	4.69	5.18					
	velocity		8.61	11.06	10.66	9.65	9.90	86.5	9.68	10.13

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



<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.81	10.30	15.01	20.20	20.20	7 / 5				
	reaction time	0.201	interval	4.49	4.71	5.19	# of strides	10.30	9.90	0.40	
			velocity	8.61	11.14	10.62	9.63	9.90	88.0	9.71	10.10
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.98	10.59	15.38	20.43	20.43	8 / 6				
	reaction time	0.152	interval	4.61	4.79	5.05	# of strides	10.59	9.84	0.75	
			velocity	8.36	10.85	10.44	9.90	9.79	88.0	9.44	10.16
<b>Richards, Jareem (TTO) (1994)</b>	time	5.86	10.49	15.30	20.56	20.56	3 / 7				
	reaction time	0.168	interval	4.63	4.81	5.26	# of strides	10.49	10.07	0.42	
			velocity	8.53	10.80	10.40	9.51	9.73	87.0	9.53	9.93
<b>Desalu, Eseosa Fostine (ITA) (1)</b>	time	5.99	10.59	15.45	20.79	20.79	1 / 8				
	reaction time	0.142	interval	4.60	4.86	5.34	# of strides	10.59	10.20	0.39	
			velocity	8.35	10.87	10.29	9.36	9.62	90.0	9.44	9.80

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

		date	03-Sep-22	wind	0.2 m/s	Shandong Athletics Sport Science (2022)				
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wang Xinkai (CHN) (2004)</b>	time		11.04	16.06	21.36	21.36	6 / 1			
	reaction time	0.176	interval	5.02	5.30	<b>PB</b>	# of strides	11.04	10.32	0.72
			velocity	9.06	9.96	9.43	9.36	94.0	9.06	9.69
<b>Cui Sen (CHN) (2004)</b>	time		11.09	16.13	21.52	21.52	3 / 2			
	reaction time	0.214	interval	5.04	5.39		# of strides	11.09	10.43	0.66
			velocity	9.02	9.92	9.28	9.29	97.0	9.02	9.59
<b>Tian Haoyu (CHN) (2004)</b>	time		11.21	16.36	21.80	21.80	7 / 3			
	reaction time	0.138	interval	5.15	5.44		# of strides	11.21	10.59	0.62
			velocity	8.92	9.71	9.19	9.17	95.2	8.92	9.44
<b>Ning Xuhao (CHN)</b>	time		11.08	16.23	21.82	21.82	5 / 4			
	reaction time	0.200	interval	5.15	5.59		# of strides	11.08	10.74	0.34
			velocity	9.03	9.71	8.94	9.17	94.0	9.03	9.31
<b>Sun Xuyang (CHN)</b>	time		11.30	16.53	22.12	22.12	4 / 5			
	reaction time	0.189	interval	5.23	5.59		# of strides	11.30	10.82	0.48
			velocity	8.85	9.56	8.94	9.04	93.7	8.85	9.24
<b>Shan Ximeng (CHN)</b>	time		11.40	16.61	22.21	22.21	2 / 6			
	reaction time	0.204	interval	5.21	5.60		# of strides	11.40	10.81	0.59
			velocity	8.77	9.60	8.93	9.00	89.5	8.77	9.25
<b>Zhu Xinxing (CHN)</b>	time		11.46	16.73	22.39	22.39	1 / 7			
	reaction time	0.227	interval	5.27	5.66		# of strides	11.46	10.93	0.53
			velocity	8.73	9.49	8.83	8.93	95.0	8.73	9.15

**U18 FINAL**

		date	03-Sep-22	wind	0.4 m/s	Shandong Athletics Sport Science (2022)				
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Meng Desheng (CHN) (2006)</b>	time		11.20	16.24	21.56	21.56	5 / 1			
	reaction time	0.323	interval	5.04	5.32		# of strides	11.20	10.36	0.84
			velocity	8.93	9.92	9.40	9.28	92.0	8.93	9.65
<b>Gong Junbo (CHN) (2006)</b>	time		11.26	16.44	22.04	22.04	6 / 2			
	reaction time	0.208	interval	5.18	5.60		# of strides	11.26	10.78	0.48
			velocity	8.88	9.65	8.93	9.07	91.0	8.88	9.28
<b>Liu Kai (CHN) (2006)</b>	time		11.41	16.63	22.16	22.16	3 / 3			
	reaction time	0.207	interval	5.22	5.53		# of strides	11.41	10.75	0.66
			velocity	8.76	9.58	9.04	9.03	93.5	8.76	9.30
<b>Jiang Chunyang (CHN) (2006)</b>	time		11.46	16.85	22.69	22.69	4 / 4			
	reaction time	0.204	interval	5.39	5.84		# of strides	11.46	11.23	0.23
			velocity	8.73	9.28	8.56	8.81	91.0	8.73	8.90

<b>Lu Junye (CHN)</b>	time	11.54	17.01	22.72	22.72	7 / 5			
reaction time	0.190	interval	5.47	5.71		# of strides	11.54	11.18	0.36
		velocity	8.67	9.14	8.76	8.80	98.0	8.67	8.94
<b>Zhang Qin (CHN)</b>	time	11.65	17.06	22.80	22.80	8 / 6			
reaction time	0.209	interval	5.41	5.74		# of strides	11.65	11.15	0.50
		velocity	8.58	9.24	8.71	8.77	97.7	8.58	8.97
<b>Li Tianci (CHN)</b>	time	11.73	17.19	23.11	23.11	2 / 7			
reaction time	0.196	interval	5.46	5.92		# of strides	11.73	11.38	0.35
		velocity	8.53	9.16	8.45	8.65	96.0	8.53	8.79
<b>Wang Zhaojun (CHN)</b>	time	11.66	17.19	23.32	23.32	1 / 8			
reaction time	0.203	interval	5.53	6.13		# of strides	11.66	11.66	0.00
		velocity	8.58	9.04	8.16	8.58	98.0	8.58	8.58

**U20 Semi-Final 2**

date 02-Sep-22 wind -0.7 m/s

Shandong Athletics Sport Science (2022)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wang Xinkai (CHN) (2004)</b>	time	11.09	16.09	21.98	21.98	5 / 1				
reaction time	0.197	interval	5.00	5.89		# of strides	11.09	10.89	0.20	
		velocity	9.02	10.00	8.49	9.10	93.5	9.02	9.18	

**U20 Heat 5**

date 02-Sep-22 wind 0.8 m/s

Shandong Athletics Sport Science (2022)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wang Xinkai (CHN) (2004)</b>	time	11.13	16.31	21.80	21.90	2 / 1				
reaction time	0.215	interval	5.18	5.49		# of strides	11.13	10.67	0.46	
		velocity	8.98	9.65	9.11	9.13	94.0	8.98	9.37	

**2022 Memorial van Damme (Brussels, BEL)****FINAL**

date 02-Sep-22 wind -2.9 m/s

Omega Timing (2022) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighon, Erriyon (USA) (2004)</b>	time	5.76	10.26	15.00	20.07	20.07	7 / 1			
reaction time	0.152	interval	4.50	4.74	5.07		# of strides	10.26	9.81	0.45
		velocity	8.68	11.11	10.55	9.86	9.97	86.5	9.75	10.19
<b>Ogando, Alexander (DOM) (200)</b>	time	5.90	10.38	15.10	20.18	20.18	4 / 2			
reaction time	0.152	interval	4.48	4.72	5.08		# of strides	10.38	9.80	0.58
		velocity	8.47	11.16	10.59	9.84	9.91	90.0	9.63	10.20
<b>Brown, Aaron (CAN) (1992)</b>	time	5.82	10.40	15.12	20.22	20.22	8 / 3			
reaction time	0.129	interval	4.58	4.72	5.10		# of strides	10.40	9.82	0.58
		velocity	8.59	10.92	10.59	9.80	9.89	91.5	9.62	10.18
<b>Richards, Jareem (TTO) (1994)</b>	time	5.89	10.41	15.15	20.27	20.27	6 / 4			
reaction time	0.152	interval	4.52	4.74	5.12		# of strides	10.41	9.86	0.55
		velocity	8.49	11.06	10.55	9.77	9.87	88.0	9.61	10.14
<b>Mena, Reynier (CUB) (1996)</b>	time	5.75	10.34	15.15	20.38	20.38	5 / 5			
reaction time	0.129	interval	4.59	4.81	5.23		# of strides	10.34	10.04	0.30
		velocity	8.70	10.89	10.40	9.56	9.81	88.2	9.67	9.96
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.95	10.59	15.48	20.60	20.60	3 / 6			
reaction time	0.148	interval	4.64	4.89	5.12		# of strides	10.59	10.01	0.58
		velocity	8.40	10.78	10.22	9.77	9.71	83.0	9.44	9.99
<b>Vanderbenden, Robin (BEL) (1)</b>	time	5.90	10.59	15.58	21.02	21.02	2 / 7			
reaction time	0.159	interval	4.69	4.99	5.44		# of strides	10.59	10.43	0.16
		velocity	8.47	10.66	10.02	9.19	9.51	94.0	9.44	9.59
<b>Desalu, Eseosa Fostine (ITA) (1)</b>	time	5.99	10.64	15.59	21.09	21.09	1 / 8			
reaction time	0.138	interval	4.65	4.95	5.50		# of strides	10.64	10.45	0.19
		velocity	8.35	10.75	10.10	9.09	9.48	94.0	9.40	9.57

**2022 Athletissima (Lausanne, SUI)****FINAL**

date 26-Aug-22 wind 1.3 m/s

Omega Timing (2022) - diamond league race analysis

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.76	10.15	14.70	19.56	19.56	7 / 1			
	reaction time	0.182	interval	4.39	4.55	4.86	# of strides	10.15	9.41	0.74
	velocity	8.68	11.39	10.99	10.29	10.22	85.0	9.85	10.63	
<b>Norman, Michael (USA) (1997)</b>	time	5.62	10.09	14.77	19.76	19.76	6 / 2			
	reaction time	0.138	interval	4.47	4.68	4.99	# of strides	10.09	9.67	0.42
	velocity	8.90	11.19	10.68	10.02	10.12	87.0	9.91	10.34	
<b>Richards, Jareem (TTO) (1994)</b>	time	5.78	10.29	14.96	19.95	19.95	5 / 3			
	reaction time	0.139	interval	4.51	4.67	4.99	# of strides	10.29	9.66	0.63
	velocity	8.65	11.09	10.71	10.02	10.03	87.2	9.72	10.35	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.84	10.39	15.06	20.09	20.09	3 / 4			
	reaction time	0.125	interval	4.55	4.67	5.03	# of strides	10.39	9.70	0.69
	velocity	8.56	10.99	10.71	9.94	9.96	89.0	9.62	10.31	
<b>Hudson, Andrew (JAM) (1996)</b>	time	5.78	10.31	15.04	20.09	20.09	2 / 5			
	reaction time	0.135	interval	4.53	4.73	5.05	# of strides	10.31	9.78	0.53
	velocity	8.65	11.04	10.57	9.90	9.96	87.0	9.70	10.22	
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.78	10.32	15.02	20.13	20.13	8 / 6			
	reaction time	0.150	interval	4.54	4.70	5.11	# of strides	10.32	9.81	0.51
	velocity	8.65	11.01	10.64	9.78	9.94	85.5	9.69	10.19	
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	5.95	10.54	15.32	20.33	20.33	4 / 7			
	reaction time	0.145	interval	4.59	4.78	5.01	# of strides	10.54	9.79	0.75
	velocity	8.40	10.89	10.46	9.98	9.84	82.0	9.49	10.21	
<b>Dobson, Charles (GBR) (1999)</b>	time	5.95	10.55	15.33	20.34	20.34	1 / 8			
	reaction time	0.145	interval	4.60	4.78	5.01	# of strides	10.55	9.79	0.76
	velocity	8.40	10.87	10.46	9.98	9.83	82.0	9.48	10.21	

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

	date	19-Aug-22	wind	-0.3 m/s						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hughes, Zhanel (GBR) (1995)</b>		0.145	no information available			20.07	3 / 1		# of strides	87.5
<b>Mitchell-Blake, Nethaneel (GBR)</b>		0.160	no information available			20.17	7 / 2		# of strides	87.0
<b>Tortu, Filippo (ITA) (1998)</b>		0.178	no information available			20.27	6 / 3		# of strides	86.2
<b>Dobson, Charles (GBR) (1999)</b>		0.139	no information available			20.34	5 / 4		# of strides	83.0
<b>Hartmann, Joshua (GER) (1999)</b>		0.135	no information available			20.50	4 / 5		# of strides	86.0
<b>Retamal, PoI (ESP) (1999)</b>		0.174	no information available			20.63	2 / 6		# of strides	89.0
<b>Afrifah, Blessing Akwasi (ISR) (</b>		0.141	no information available			20.69	1 / 7		# of strides	89.7
<b>Guliyev, Ramil (TUR) (1990)</b>		0.183	no information available			dnf	8 / --		# of strides	

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

	date	10-Aug-22	wind	0.8 m/s						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time	5.74	10.13	14.71	19.46	19.46	7 / 1			
	reaction time	0.199	interval	4.39	4.58	4.75	# of strides	10.13	9.33	0.80
	velocity	8.71	11.39	10.92	10.53	10.28	84.7	9.87	10.72	
<b>Knighton, Erriyon (USA) (2004)</b>	time	5.78	10.21	14.86	19.84	19.84	6 / 2			
	reaction time	0.192	interval	4.43	4.65	4.98	# of strides	10.21	9.63	0.58
	velocity	8.65	11.29	10.75	10.04	10.08	84.5	9.79	10.38	
<b>Norman, Michael (USA) (1997)</b>	time	5.71	10.23	14.97	19.95	19.95	5 / 3			
	reaction time	0.168	interval	4.52	4.74	4.98	# of strides	10.23	9.72	0.51
	velocity	8.76	11.06	10.55	10.04	10.03	87.0	9.78	10.29	
<b>Ogando, Alexander (DOM) (200)</b>	time	5.92	10.40	15.04	20.02	20.02	3 / 4			
	reaction time	0.155	interval	4.48	4.64	4.98	# of strides	10.40	9.62	0.78
	velocity	8.45	11.16	10.78	10.04	9.99	88.0	9.62	10.40	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.78	10.40	15.04	20.23	20.23	8 / 5			

reaction time	0.168	interval	4.62	4.64	5.19		# of strides	10.40	9.83	0.57
		velocity	8.65	10.82	10.78	9.63	9.89	91.2	9.62	10.17
<b>Lyles, Josephus (USA) (1998)</b>	time	5.78	10.34	15.15	20.26	20.26	2 / 6			
reaction time	0.198	interval	4.56	4.81	5.11		# of strides	10.34	9.92	0.42
		velocity	8.65	10.96	10.40	9.78	9.87	85.0	9.67	10.08
<b>Fahnbulleh, Joseph (LBR) (200</b>	time	6.05	10.63	15.43	20.46	20.46	4 / 7			
reaction time	0.261	interval	4.58	4.80	5.03		# of strides	10.63	9.83	0.80
		velocity	8.26	10.92	10.42	9.94	9.78	82.0	9.41	10.17
<b>Zeze, Mickael-Méba (FRA) (199</b>	time	5.80	10.48	15.44	20.78	20.78	1 / 8			
reaction time	0.156	interval	4.68	4.96	5.34		# of strides	10.48	10.30	0.18
		velocity	8.62	10.68	10.08	9.36	9.62	93.5	9.54	9.71

## 2022 Commonwealth Games (Birmingham, GBR)

### FINAL

	date	06-Aug-22	wind	1.1 m/s	Longines Timing (2022) - commonwealth games race analysis								
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Richards, Jareem (TTO) (1994)</b>	time	5.7	10.3	14.9	19.80	19.80	7 / 1						
reaction time	0.134	interval	4.60	4.60	4.90	<b>CR PB</b>	# of strides	10.30	9.50	0.80			
		velocity	8.77	10.87	10.87	10.10	87.0	9.71	10.53				
<b>Hughes, Zhanel (GBR) (1995)</b>	time	5.7	10.3	15.0	20.12	20.12	4 / 2						
reaction time	0.134	interval	4.60	4.70	5.12		# of strides	10.30	9.82	0.48			
		velocity	8.77	10.87	10.64	9.77	9.94	85.0	9.71	10.18			
<b>Amoah, Joseph (GHA) (1997)</b>	time	5.8	10.4	15.2	20.49	20.49	5 / 3						
reaction time	0.157	interval	4.60	4.80	5.29		# of strides	10.40	10.09	0.31			
		velocity	8.62	10.87	10.42	9.45	9.76	90.0	9.62	9.91			
<b>Eseme, Emmanuel (CMR) (1993)</b>	time	5.8	10.5	15.3	20.61	20.61	8 / 4						
reaction time	0.181	interval	4.70	4.80	5.31		# of strides	10.50	10.11	0.39			
		velocity	8.62	10.64	10.42	9.42	9.70	86.7	9.52	9.89			
<b>Rodney, Brendon (CAN) (1992)</b>	time	5.8	10.4	15.3	20.65	20.65	9 / 5						
reaction time	0.140	interval	4.60	4.90	5.35		# of strides	10.40	10.25	0.15			
		velocity	8.62	10.87	10.20	9.35	9.69	88.0	9.62	9.76			
<b>Onwuzurike, Udodi (NGR) (200</b>	time	5.7	10.4	15.4	20.76	20.76	6 / 6						
reaction time	0.127	interval	4.70	5.00	5.36		# of strides	10.40	10.36	0.04			
		velocity	8.77	10.64	10.00	9.33	9.63	86.2	9.62	9.65			
<b>Matsenjwa, Sibusiso (SWZ) (19</b>	time	5.9	10.7	15.6	20.92	20.92	2 / 7						
reaction time	0.156	interval	4.80	4.90	5.32		# of strides	10.70	10.22	0.48			
		velocity	8.47	10.42	10.20	9.40	9.56	89.5	9.35	9.78			
<b>Abbas, Shajar (PAK) (2000)</b>	time	5.9	10.8	15.7	21.16	21.16	3 / 8						
reaction time	0.168	interval	4.90	4.90	5.46		# of strides	10.80	10.36	0.44			
		velocity	8.47	10.20	10.20	9.16	9.45	88.0	9.26	9.65			

### Semi-Final 3

	date	05-Aug-22	wind	0.1 m/s	Longines Timing (2022) - commonwealth games race analysis								
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Richards, Jareem (TTO) (1994)</b>	time	5.8	10.5	15.3	20.40	20.40	5 / 1						
reaction time	0.142	interval	4.70	4.80	5.10		# of strides	10.50	9.90	0.60			
		velocity	8.62	10.64	10.42	9.80	9.80	85.0	9.52	10.10			
<b>Amoah, Joseph (GHA) (1997)</b>	time	5.8	10.5	15.3	20.51	20.51	7 / 2						
reaction time	0.152	interval	4.70	4.80	5.21		# of strides	10.50	10.01	0.49			
		velocity	8.62	10.64	10.42	9.60	9.75	88.0	9.52	9.99			
<b>Matsenjwa, Sibusiso (SWZ) (19</b>	time	5.9	10.7	15.6	20.81	20.81	4 / 3						
reaction time	0.169	interval	4.80	4.90	5.21		# of strides	10.70	10.11	0.59			
		velocity	8.47	10.42	10.20	9.60	9.61	88.0	9.35	9.89			
<b>Nyangau, Mike (KEN) (1994)</b>	time	6.0	10.8	15.6	20.90	20.90	6 / 4						
reaction time	0.184	interval	4.80	4.80	5.30		# of strides	10.80	10.10	0.70			

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

	velocity	8.33	10.42	10.42	9.43	9.57	88.5	9.26	9.90	
<b>Edwin, Delan (LCA) (1996)</b>	time	5.9	10.8	15.8	21.32	21.32	8 / 5			
reaction time	0.165	interval	4.90	5.00	5.52		# of strides	10.80	10.52	0.28
	velocity	8.47	10.20	10.00	9.06	9.38	90.2	9.26	9.51	
<b>Ojeli, Emmanuel Ifeanyi (NGR) (</b>	time	6.0	10.8	15.8	21.39	21.39	9 / 6			
reaction time	0.169	interval	4.80	5.00	5.59		# of strides	10.80	10.59	0.21
	velocity	8.33	10.42	10.00	8.94	9.35	88.7	9.26	9.44	
<b>Buntin, Nadale (SKN) (2000)</b>	time	5.9	10.9	16.0	21.42	21.42	2 / 7			
reaction time	0.142	interval	5.00	5.10	5.42		# of strides	10.90	10.52	0.38
	velocity	8.47	10.00	9.80	9.23	9.34	90.7	9.17	9.51	
<b>Bangura, Ibrahim (SLE) (2000)</b>	time	6.0	10.9	16.0	21.62	21.62	3 / 8			
reaction time	0.176	interval	4.90	5.10	5.62	<b>PB</b>	# of strides	10.90	10.72	0.18
	velocity	8.33	10.20	9.80	8.90	9.25	98.2	9.17	9.33	

**Semi-Final 2**

date 05-Aug-22

wind 1.9 m/s

Longines Timing (2022) - commonwealth games race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Onwuzurike, Udodi (NGR) (200</b>	time	5.7	10.5	15.3	20.59	20.59	8 / 1			
reaction time	0.139	interval	4.80	4.80	5.29		# of strides	10.50	10.09	0.41
	velocity	8.77	10.42	10.42	9.45	9.71	85.0	9.52	9.91	
<b>Eseme, Emmanuel (CMR) (1993</b>	time	5.9	10.7	15.5	20.69	20.69	4 / 2			
reaction time	0.179	interval	4.80	4.80	5.19		# of strides	10.70	9.99	0.71
	velocity	8.47	10.42	10.42	9.63	9.67	84.5	9.35	10.01	
<b>St. Hillaire, Dwight (TTO) (1997)</b>	time	5.9	10.8	15.8	20.95	20.95	7 / 3			
reaction time	0.149	interval	4.90	5.00	5.15		# of strides	10.80	10.15	0.65
	velocity	8.47	10.20	10.00	9.71	9.55	91.0	9.26	9.85	
<b>Gemili, Adam (GBR) (1993)</b>	time	5.8	10.6	15.6	20.97	20.97	6 / 4			
reaction time	0.153	interval	4.80	5.00	5.37		# of strides	10.60	10.37	0.23
	velocity	8.62	10.42	10.00	9.31	9.54	91.0	9.43	9.64	
<b>Asamba, Dan (KEN) (1993)</b>	time	5.9	10.8	15.8	20.99	20.99	5 / 5			
reaction time	0.157	interval	4.90	5.00	5.19		# of strides	10.80	10.19	0.61
	velocity	8.47	10.20	10.00	9.63	9.53	84.5	9.26	9.81	
<b>Goldson, Kadrian (JAM) (1997)</b>	time	5.8	10.7	15.7	21.13	21.13	9 / 6			
reaction time	0.142	interval	4.90	5.00	5.43		# of strides	10.70	10.43	0.27
	velocity	8.62	10.20	10.00	9.21	9.47	86.2	9.35	9.59	
<b>Skerritt, Darion (ANT) (2001)</b>	time	6.0	10.9	16.0	21.41	21.41	2 / 7			
reaction time	0.142	interval	4.90	5.10	5.41		# of strides	10.90	10.51	0.39
	velocity	8.33	10.20	9.80	9.24	9.34	93.0	9.17	9.51	
<b>Leonce, Lenyn Kish (LCA) (199</b>	time	6.0	10.9	16.0	21.53	21.53	3 / 8			
reaction time	0.160	interval	4.90	5.10	5.53		# of strides	10.90	10.63	0.27
	velocity	8.33	10.20	9.80	9.04	9.29	86.7	9.17	9.41	

**Semi-Final 1**

date 05-Aug-22

wind 2.1 m/s

Longines Timing (2022) - commonwealth games race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hughes, Zhanel (GBR) (1995)</b>	time	5.8	10.4	15.1	20.32	20.32	6 / 1			
reaction time	0.120	interval	4.60	4.70	5.22		# of strides	10.40	9.92	0.48
	velocity	8.62	10.87	10.64	9.58	9.84	85.5	9.62	10.08	
<b>Rodney, Brendon (CAN) (1992)</b>	time	5.8	10.5	15.3	20.68	20.68	7 / 2			
reaction time	0.147	interval	4.70	4.80	5.38		# of strides	10.50	10.18	0.32
	velocity	8.62	10.64	10.42	9.29	9.67	86.0	9.52	9.82	
<b>Abbas, Shajar (PAK) (2000)</b>	time	5.9	10.8	15.7	20.89	20.89	5 / 3			
reaction time	0.174	interval	4.90	4.90	5.19		# of strides	10.80	10.09	0.71
	velocity	8.47	10.20	10.20	9.63	9.57	87.0	9.26	9.91	

<b>Greaux, Kyle (TTO) (1988)</b>	time	6.0	10.8	15.7	20.91	20.91	4 / 4			
	reaction time	0.158	interval	4.80	4.90	5.21	# of strides	10.80	10.11	0.69
	velocity	8.33	10.42	10.20	9.60	9.56	86.0	9.26	9.89	
<b>Akintola, Alaba (NGR) (2001)</b>	time	5.8	10.7	15.7	21.16	21.16	2 / 5			
	reaction time	0.157	interval	4.90	5.00	5.46	# of strides	10.70	10.46	0.24
	velocity	8.62	10.20	10.00	9.16	9.45	92.5	9.35	9.56	
<b>Nasir Taib, Russel Alex (MAS) (2001)</b>	time	5.9	10.9	15.9	21.32	21.32	8 / 6			
	reaction time	0.128	interval	5.00	5.00	5.42	# of strides	10.90	10.42	0.48
	velocity	8.47	10.00	10.00	9.23	9.38	93.5	9.17	9.60	
<b>Hazel, Warren (SKN) (1996)</b>	time	6.1	10.9	16.0	21.40	21.40	9 / 7			
	reaction time	0.157	interval	4.80	5.10	5.40	# of strides	10.90	10.50	0.40
	velocity	8.20	10.42	9.80	9.26	9.35	86.0	9.17	9.52	
<b>Ochieng, Hesbon (KEN) (1992)</b>	time	5.9	10.8	16.0	21.56	21.56	3 / 8			
	reaction time	0.153	interval	4.90	5.20	5.56	# of strides	10.80	10.76	0.04
	velocity	8.47	10.20	9.62	8.99	9.28	96.7	9.26	9.29	

## 2022 Japanese National High School Championships (Naruto, JPN)

### FINAL

		date	06-Aug-22	wind	-2.3 m/s	<i>Kishima (2022) - national high school championships biomechanics data collection</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Saito, Keisyuu (JPN) (2004)</b>	time		6.06	11.03	16.14	21.47	21.47	6 / 1				
	reaction time	0.129	interval	4.97	5.11	5.33	# of strides	11.03	10.44	0.59		
	velocity	8.25	10.06	9.78	9.38	9.32	9.07	9.58				
<b>Takasu, Fuuto (JPN) (2004)</b>	time		5.90	10.85	15.96	21.48	21.48	7 / 2				
	reaction time	0.145	interval	4.95	5.11	5.52	# of strides	10.85	10.63	0.22		
	velocity	8.47	10.10	9.78	9.06	9.31	90.0	9.22	9.41			
<b>Kimura, Shunya (JPN) (2004)</b>	time		6.05	10.99	16.08	21.49	21.49	4 / 3				
	reaction time	0.146	interval	4.94	5.09	5.41	# of strides	10.99	10.50	0.49		
	velocity	8.26	10.12	9.82	9.24	9.31	9.10	9.52				
<b>Tsuda, Iban (JPN) (2005)</b>	time		5.95	10.87	16.03	21.53	21.53	5 / 4				
	reaction time	0.148	interval	4.92	5.16	5.50	<b>PB</b>	# of strides	10.87	10.66	0.21	
	velocity	8.40	10.16	9.69	9.09	9.29	9.20	9.38				
<b>Kojima, Youga (JPN) (2004)</b>	time		6.05	11.05	16.26	21.75	21.75	9 / 5				
	reaction time	0.169	interval	5.00	5.21	5.49	# of strides	11.05	10.70	0.35		
	velocity	8.26	10.00	9.60	9.11	9.20	89.7	9.05	9.35			
<b>Aoki, Shuma (JPN) (2005)</b>	time		6.05	11.05	16.27	21.77	21.77	8 / 6				
	reaction time	0.169	interval	5.00	5.22	5.50	# of strides	11.05	10.72	0.33		
	velocity	8.26	10.00	9.58	9.09	9.19	94.0	9.05	9.33			
<b>Nakatani, Hayata (JPN) (2004)</b>	time		6.04	11.06	16.23	21.77	21.77	3 / 7				
	reaction time	0.150	interval	5.02	5.17	5.54	# of strides	11.06	10.71	0.35		
	velocity	8.28	9.96	9.67	9.03	9.19	9.04	9.34				
<b>Oishi, Riku (JPN) (2004)</b>	time		6.04	11.07	16.26	21.80	21.80	2 / 8				
	reaction time	0.155	interval	5.03	5.19	5.54	# of strides	11.07	10.73	0.34		
	velocity	8.28	9.94	9.63	9.03	9.17	9.03	9.32				

## 2022 World Athletics Championships (Eugene, OR)

### FINAL

		date	21-Jul-22	wind	0.4 m/s	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time				10.15		19.31	19.31	6 / 1			
	reaction time	0.141	interval				9.16	<b>NR PB</b>	# of strides	10.15	9.16	0.99
	velocity				9.85		10.92	10.36	85.2	9.85	10.92	
<b>Bednarek, Kenneth (USA) (1998)</b>	time				10.26		19.77	19.77	5 / 2			
	reaction time	0.143	interval				9.51	# of strides	10.26	9.51	0.75	
	velocity				9.75		10.52	10.12	87.0	9.75	10.52	

<b>Knighton, Erriyon (USA) (2004)</b>	time	10.31	19.80	19.80	3 / 3				
reaction time	0.153	interval	9.49		# of strides	10.31	9.49	0.82	
	velocity	9.70	10.54	10.10	84.2	9.70	10.54		
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time	10.36	19.84	19.84	7 / 4				
reaction time	0.151	interval	9.48		# of strides	10.36	9.48	0.88	
	velocity	9.65	10.55	10.08	81.0	9.65	10.55		
<b>Ogando, Alexander (DOM) (200)</b>	time	10.43	19.93	19.93	4 / 5				
reaction time	0.127	interval	9.50		# of strides	10.43	9.50	0.93	
	velocity	9.59	10.53	10.04	89.0	9.59	10.53		
<b>Richards, Jareem (TTO) (1994)</b>	time	10.41	20.08	20.08	2 / 6				
reaction time	0.124	interval	9.67		# of strides	10.41	9.67	0.74	
	velocity	9.61	10.34	9.96	88.0	9.61	10.34		
<b>Brown, Aaron (CAN) (1992)</b>	time	10.38	20.18	20.18	8 / 7				
reaction time	0.143	interval	9.80		# of strides	10.38	9.80	0.58	
	velocity	9.63	10.20	9.91	92.0	9.63	10.20		
<b>Adams, Luxolo (RSA) (1996)</b>	time	10.51	20.47	20.47	1 / 8				
reaction time	0.118	interval	9.96		# of strides	10.51	9.96	0.55	
	velocity	9.51	10.04	9.77	90.5	9.51	10.04		

**Semi-Final 3**

date 19-Jul-22 wind 0.3 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time		10.27		19.77	19.77	4 / 1			
reaction time	0.147	interval			9.50		# of strides	10.27	9.50	0.77
	velocity		9.74		10.53	10.12	83.2	9.74	10.53	
<b>Brown, Aaron (CAN) (1992)</b>	time		10.46		20.10	20.10	8 / 2			
reaction time	0.152	interval			9.64		# of strides	10.46	9.64	0.82
	velocity		9.56		10.37	9.95	91.7	9.56	10.37	
<b>Tortu, Filippo (ITA) (1998)</b>	time		10.45		20.10	20.10	5 / 3			
reaction time	0.146	interval			9.65	<b>PB</b>	# of strides	10.45	9.65	0.80
	velocity		9.57		10.36	9.95	85.2	9.57	10.36	
<b>Martínez, Yancarlos (DOM) (1998)</b>	time		10.54		20.21	20.21	2 / 4			
reaction time	0.116	interval			9.67		# of strides	10.54	9.67	0.87
	velocity		9.49		10.34	9.90	87.5	9.49	10.34	
<b>Xie Zhenye (CHN) (1993)</b>	time		10.47		20.41	20.41	7 / 5			
reaction time	0.148	interval			9.94		# of strides	10.47	9.94	0.53
	velocity		9.55		10.06	9.80	90.0	9.55	10.06	
<b>Ueyama, Koki (JPN) (1999)</b>	time		10.46		20.48	20.48	6 / 6			
reaction time	0.129	interval			10.02		# of strides	10.46	10.02	0.44
	velocity		9.56		9.98	9.77	90.0	9.56	9.98	
<b>Law, Calab (AUS) (2003)</b>	time		10.77		20.72	20.72	1 / 7			
reaction time	0.127	interval			9.95		# of strides	10.77	9.95	0.82
	velocity		9.29		10.05	9.65	87.0	9.29	10.05	
<b>Dwyer, Rasheed (JAM) (1989)</b>	time		10.66		20.87	20.87	3 / 8			
reaction time	0.131	interval			10.21		# of strides	10.66	10.21	0.45
	velocity		9.38		9.79	9.58	87.0	9.38	9.79	

**Semi-Final 2**

date 19-Jul-22 wind 1.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time		10.36		19.62	19.62	5 / 1			
reaction time	0.135	interval			9.26		# of strides	10.36	9.26	1.10
	velocity		9.65		10.80	10.19	85.0	9.65	10.80	
<b>Bednarek, Kenneth (USA) (1998)</b>	time		10.43		19.84	19.84	4 / 2			

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

reaction time	0.156	interval		9.41		# of strides	10.43	9.41	1.02
		velocity	9.59	10.63	10.08	86.0	9.59	10.63	
<b>Richards, Jareem (TTO) (1994)</b>	time		10.51	19.86	19.86	3 / 3			
reaction time	0.122	interval		9.35		# of strides	10.51	9.35	1.16
		velocity	9.51	10.70	10.07	86.7	9.51	10.70	
<b>Adams, Luxolo (RSA) (1996)</b>	time		10.53	20.09	20.09	6 / 4			
reaction time	0.124	interval		9.56		# of strides	10.53	9.56	0.97
		velocity	9.50	10.46	9.96	89.0	9.50	10.46	
<b>Orogot, Tarsis (UGA) (2002)</b>	time		10.72	20.35	20.35	1 / 5			
reaction time	0.181	interval		9.63		# of strides	10.72	9.63	1.09
		velocity	9.33	10.38	9.83	87.0	9.33	10.38	
<b>Onwuzurike, Udodi (NGR) (2001)</b>	time		10.60	20.39	20.39	7 / 6			
reaction time	0.122	interval		9.79		# of strides	10.60	9.79	0.81
		velocity	9.43	10.21	9.81	85.5	9.43	10.21	
<b>Ferguson, Joe (GBR) (2000)</b>	time		10.82	20.52	20.52	2 / 7			
reaction time	0.146	interval		9.70		# of strides	10.82	9.70	1.12
		velocity	9.24	10.31	9.75	90.2	9.24	10.31	
<b>Maganga Gorra, Guy (GAB) (1995)</b>	time		10.79	20.65	20.65	8 / 8			
reaction time	0.165	interval		9.86		# of strides	10.79	9.86	0.93
		velocity	9.27	10.14	9.69	86.5	9.27	10.14	

## Semi-Final 1

date 19-Jul-22 wind -0.1 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ogando, Alexander (DOM) (2001)</b>	time			10.46		19.91	19.91	3 / 1			
reaction time	0.128	interval				9.45	NR PB	# of strides	10.46	9.45	1.01
		velocity		9.56		10.58	10.05	89.0	9.56	10.58	
<b>Fahnbulleh, Joseph (LBR) (2001)</b>	time			10.47		19.92	19.92	4 / 2			
reaction time	0.144	interval				9.45		# of strides	10.47	9.45	1.02
		velocity		9.55		10.58	10.04	80.2	9.55	10.58	
<b>Blake, Jerome (CAN) (1995)</b>	time			10.58		20.29	20.29	8 / 3			
reaction time	0.139	interval				9.71		# of strides	10.58	9.71	0.87
		velocity		9.45		10.30	9.86	82.7	9.45	10.30	
<b>Mitchell-Blake, Nethaneel (GBR) (2001)</b>	time			10.51		20.30	20.30	7 / 4			
reaction time	0.135	interval				9.79		# of strides	10.51	9.79	0.72
		velocity		9.51		10.21	9.85	86.0	9.51	10.21	
<b>Dambile, Sinesipho (RSA) (2001)</b>	time			10.55		20.47	20.47	5 / 5			
reaction time	0.146	interval				9.92		# of strides	10.55	9.92	0.63
		velocity		9.48		10.08	9.77	85.0	9.48	10.08	
<b>Kerley, Fred (USA) (1995)</b>	time			10.62		20.68	20.68	6 / 6			
reaction time	0.123	interval				10.06		# of strides	10.62	10.06	0.56
		velocity		9.42		9.94	9.67	83.0	9.42	9.94	
<b>Iizuka, Shota (JPN) (1991)</b>	time			10.63		20.77	20.77	2 / 7			
reaction time	0.129	interval				10.14		# of strides	10.63	10.14	0.49
		velocity		9.41		9.86	9.63	91.0	9.41	9.86	

## Heat 7

date 18-Jul-22 wind -0.3 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time			10.50		19.98	19.98	3 / 1			
reaction time	0.189	interval				9.48		# of strides	10.50	9.48	1.02
		velocity		9.52		10.55	10.01	85.7	9.52	10.55	
<b>Dwyer, Rasheed (JAM) (1989)</b>	time			10.44		20.29	20.29	6 / 2			
reaction time	0.140	interval				9.85		# of strides	10.44	9.85	0.59
		velocity		9.58		10.15	9.86	87.0	9.58	10.15	

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



<b>Xie Zhenye (CHN) (1993)</b>	time	10.50	20.30	20.30	7 / 3				
reaction time	0.159	interval	9.80		# of strides	10.50	9.80	0.70	
		velocity	9.52	10.20	9.85	90.0	9.52	10.20	
<b>Ansah, Owen (GER) (2000)</b>	time	10.71	20.52	20.52	2 / 4				
reaction time	0.136	interval	9.81		# of strides	10.71	9.81	0.90	
		velocity	9.34	10.19	9.75	86.0	9.34	10.19	
<b>Harrison, Eric (TTO) (1999)</b>	time	10.52	20.54	20.54	8 / 5				
reaction time	0.110	interval	10.02		# of strides	10.52	10.02	0.50	
		velocity	9.51	9.98	9.74	97.0	9.51	9.98	
<b>Vilar, Lucas (BRA) (2001)</b>	time	10.66	20.65	20.65	5 / 6				
reaction time	0.161	interval	9.99		# of strides	10.66	9.99	0.67	
		velocity	9.38	10.01	9.69	90.0	9.38	10.01	
<b>Jirka, Jan (CZE) (1993)</b>	time	10.76	20.73	20.73	4 / 7				
reaction time	0.132	interval	9.97		# of strides	10.76	9.97	0.79	
		velocity	9.29	10.03	9.65	92.0	9.29	10.03	

## Heat 6

date 18-Jul-22 wind 1.0 m/s *Timing by Seiko (2022) - world athletics championships race analysis*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tortu, Filippo (ITA) (1998)</b>	time		10.56		20.18	20.18	5 / 1			
reaction time	0.148		interval		9.62		# of strides	10.56	9.62	0.94
			velocity		9.47	9.91	84.5	9.47	10.40	
<b>Maganga Gorra, Guy (GAB) (1999)</b>	time		10.65		20.44	20.44	8 / 2			
reaction time	0.150		interval		9.79	<b>NR PB</b>	# of strides	10.65	9.79	0.86
			velocity		9.39	9.78	89.0	9.39	10.21	
<b>Law, Calab (AUS) (2003)</b>	time		10.57		20.50	20.50	4 / 3			
reaction time	0.133		interval		9.93	<b>PB</b>	# of strides	10.57	9.93	0.64
			velocity		9.46	9.76	87.2	9.46	10.07	
<b>Gemili, Adam (GBR) (1993)</b>	time		10.52		20.60	20.60	3 / 4			
reaction time	0.133		interval		10.08		# of strides	10.52	10.08	0.44
			velocity		9.51	9.92	90.0	9.51	9.92	
<b>Edward, Alonso (PAN) (1989)</b>	time		10.74		22.08	22.08	7 / 5			
reaction time	0.129		interval		11.34		# of strides	10.74	11.34	-0.60
			velocity		9.31	8.82	86.0	9.31	8.82	

## Heat 5

date 18-Jul-22 wind 0.4 m/s *Timing by Seiko (2022) - world athletics championships race analysis*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kerley, Fred (USA) (1995)</b>	time		10.63		20.17	20.17	4 / 1			
reaction time	0.137		interval		9.54		# of strides	10.63	9.54	1.09
			velocity		9.41	9.92	83.0	9.41	10.48	
<b>Dambile, Sinesipho (RSA) (2002)</b>	time		10.56		20.29	20.29	5 / 2			
reaction time	0.134		interval		9.73	<b>PB</b>	# of strides	10.56	9.73	0.83
			velocity		9.47	9.86	85.2	9.47	10.28	
<b>Onwuzurike, Udodi (NGR) (2002)</b>	time		10.48		20.34	20.34	7 / 3			
reaction time	0.134		interval		9.86		# of strides	10.48	9.86	0.62
			velocity		9.54	9.83	86.0	9.54	10.14	
<b>Blake, Yohan (JAM) (1989)</b>	time		10.55		20.35	20.35	3 / 4			
reaction time	0.124		interval		9.80		# of strides	10.55	9.80	0.75
			velocity		9.48	9.83	90.2	9.48	10.20	
<b>Reais, William (SUI) (1999)</b>	time		10.82		20.71	20.71	6 / 5			
reaction time	0.156		interval		9.89		# of strides	10.82	9.89	0.93
			velocity		9.24	9.66	86.2	9.24	10.11	
<b>Murphy, Aidan (AUS) (2003)</b>	time		10.77		20.75	20.75	2 / 6			

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

reaction time	0.144	interval		9.98		# of strides	10.77	9.98	0.79
		velocity	9.29	10.02	9.64	87.2	9.29	10.02	

**Heat 4**

date 18-Jul-22 wind 0.5 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ogando, Alexander (DOM) (200)</b>	time			10.59		20.01	20.01	6 / 1			
	reaction time	0.141				9.42	<b>NR PB</b>	# of strides	10.59	9.42	1.17
		interval				10.62	10.00	88.0	9.44	10.62	
		velocity	9.44								
<b>Bednarek, Kenneth (USA) (199)</b>	time			10.64		20.35	20.35	2 / 2			
	reaction time	0.139				9.71		# of strides	10.64	9.71	0.93
		interval				10.30	9.83	87.0	9.40	10.30	
		velocity	9.40								
<b>Orogot, Tarsis (UGA) (2002)</b>	time			10.67		20.44	20.44	3 / 3			
	reaction time	0.158				9.77		# of strides	10.67	9.77	0.90
		interval				10.24	9.78	87.0	9.37	10.24	
		velocity	9.37								
<b>Desalu, Eseosa (ITA) (1994)</b>	time			10.60		20.63	20.63	4 / 4			
	reaction time	0.123				10.03		# of strides	10.60	10.03	0.57
		interval				9.97	9.69	92.0	9.43	9.97	
		velocity	9.43								
<b>Fall, Mouhamadou (FRA) (1992)</b>	time			10.65		20.83	20.83	7 / 5			
	reaction time	0.133				10.18		# of strides	10.65	10.18	0.47
		interval				9.82	9.60	87.0	9.39	9.82	
		velocity	9.39								
<b>Maaroufou, Hachim (COM) (19)</b>	time			10.79		20.91	20.91	5 / 6			
	reaction time	0.157				10.12		# of strides	10.79	10.12	0.67
		interval				9.88	9.56	85.7	9.27	9.88	
		velocity	9.27								
<b>Santos, Marcos (ANG) (2004)</b>	time			11.24		22.12	22.12	8 / 7			
	reaction time	0.209				10.88	<b>DQ</b>	# of strides	11.24	10.88	0.36
		interval				9.19	9.04		8.90	9.19	
		velocity	8.90								

**Heat 3**

date 18-Jul-22 wind 2.1 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Knighton, Erriyon (USA) (2004)</b>	time			10.36		20.01	20.01	3 / 1			
	reaction time	0.174				9.65		# of strides	10.36	9.65	0.71
		interval				10.36	10.00	82.7	9.65	10.36	
		velocity	9.65								
<b>Adams, Luxolo (RSA) (1996)</b>	time			10.43		20.10	20.10	6 / 2			
	reaction time	0.127				9.67		# of strides	10.43	9.67	0.76
		interval				10.34	9.95	88.5	9.59	10.34	
		velocity	9.59								
<b>Mitchell-Blake, Nethaneel (GBR)</b>	time			10.51		20.11	20.11	8 / 3			
	reaction time	0.129				9.60		# of strides	10.51	9.60	0.91
		interval				10.42	9.95	85.2	9.51	10.42	
		velocity	9.51								
<b>Martínez, Yancarlos (DOM) (19)</b>	time			10.50		20.13	20.13	7 / 4			
	reaction time	0.146				9.63		# of strides	10.50	9.63	0.87
		interval				10.38	9.94	88.0	9.52	10.38	
		velocity	9.52								
<b>Bloomfield, Akeem (JAM) (1997)</b>	time			10.79		20.56	20.56	2 / 5			
	reaction time	0.166				9.77		# of strides	10.79	9.77	1.02
		interval				10.24	9.73	82.2	9.27	10.24	
		velocity	9.27								
<b>Matsenjwa, Sibusiso (SWZ) (19)</b>	time			10.76		20.60	20.60	5 / 6			
	reaction time	0.161				9.84		# of strides	10.76	9.84	0.92
		interval				10.16	9.71	88.0	9.29	10.16	
		velocity	9.29								
<b>Matiyenga, Tinotenda (ZIM) (19)</b>	time			10.75		20.72	20.72	4 / 7			
	reaction time	0.146				9.97		# of strides	10.75	9.97	0.78
		interval				10.03	9.65	90.0	9.30	10.03	
		velocity	9.30								

**Heat 2**

date 18-Jul-22 wind 0.0 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Richards, Jareem (TTO) (1994)</b>	time			10.43		20.35	20.35	3 / 1			

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

reaction time	0.136	interval		9.92		# of strides	10.43	9.92	0.51
		velocity	9.59	10.08	9.83	85.0	9.59	10.08	
<b>Brown, Aaron (CAN) (1992)</b>	time		10.58	20.60	20.60	5 / 2			
reaction time	0.138	interval		10.02		# of strides	10.58	10.02	0.56
		velocity	9.45	9.98	9.71	91.0	9.45	9.98	
<b>Iizuka, Shota (JPN) (1991)</b>	time		10.51	20.72	20.72	4 / 3			
reaction time	0.130	interval		10.21		# of strides	10.51	10.21	0.30
		velocity	9.51	9.79	9.65	90.7	9.51	9.79	
<b>Maswanganyi, Shaun (RSA) (2010)</b>	time		10.43	20.79	20.79	8 / 4			
reaction time	0.151	interval		10.36		# of strides	10.43	10.36	0.07
		velocity	9.59	9.65	9.62	83.0	9.59	9.65	
<b>Hansen, Simon (DEN) (1998)</b>	time		10.54	20.80	20.80	2 / 5			
reaction time	0.128	interval		10.26		# of strides	10.54	10.26	0.28
		velocity	9.49	9.75	9.62	92.5	9.49	9.75	
<b>Rengifo, Shainer (CUB) (2002)</b>	time		10.69	20.80	20.80	7 / 5			
reaction time	0.117	interval		10.11		# of strides	10.69	10.11	0.58
		velocity	9.35	9.89	9.62	89.0	9.35	9.89	
<b>Green, Joseph (GUM) (2001)</b>	time		11.19	22.04	22.04	6 / 7			
reaction time	0.164	interval		10.85	<b>PB</b>	# of strides	11.19	10.85	0.34
		velocity	8.94	9.22	9.07	93.7	8.94	9.22	

## Heat 1

date 18-Jul-22 wind 1.0 m/s

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

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fahnbulleh, Joseph (LBR) (200)</b>	time			10.62		20.12	20.12	4 / 1			
reaction time	0.123	interval				9.50		# of strides	10.62	9.50	1.12
		velocity		9.42		10.53	9.94	81.5	9.42	10.53	
<b>Ueyama, Koki (JPN) (1999)</b>	time			10.49		20.26	20.26	7 / 2			
reaction time	0.127	interval				9.77	<b>PB</b>	# of strides	10.49	9.77	0.72
		velocity		9.53		10.24	9.87	90.0	9.53	10.24	
<b>Blake, Jerome (CAN) (1995)</b>	time			10.59		20.30	20.30	5 / 3			
reaction time	0.126	interval				9.71		# of strides	10.59	9.71	0.88
		velocity		9.44		10.30	9.85	83.0	9.44	10.30	
<b>Ferguson, Joe (GBR) (2000)</b>	time			10.81		20.33	20.33	8 / 4			
reaction time	0.151	interval				9.52		# of strides	10.81	9.52	1.29
		velocity		9.25		10.50	9.84	90.0	9.25	10.50	
<b>Amoah, Joseph (GHA) (1997)</b>	time			10.61		20.40	20.40	6 / 5			
reaction time	0.145	interval				9.79		# of strides	10.61	9.79	0.82
		velocity		9.43		10.21	9.80	88.5	9.43	10.21	
<b>da Silva, Lucas (BRA) (2001)</b>	time			10.78		20.90	20.90	2 / 6			
reaction time	0.128	interval				10.12		# of strides	10.78	10.12	0.66
		velocity		9.28		9.88	9.57	83.5	9.28	9.88	
<b>Talio, Terrence (PNG) (1994)</b>	time			11.14		21.76	21.76	3 / <del>7</del>			
reaction time	0.146	interval				10.62	<b>DQ</b>	# of strides	11.14	10.62	0.52
		velocity		8.98		9.42	9.19	90.2	8.98	9.42	

## 2022 Meeting de Paris (Paris, FRA)

## FINAL

date 18-Jun-22 wind 0.6 m/s

Omega Timing (2022) - diamond league race analysis

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Adams, Luxolo (RSA) (1996)</b>	time		5.83	10.33	14.93	19.82	19.82	8 / 1			
reaction time	0.171	interval		4.50	4.60	4.89	<b>PB</b>	# of strides	10.33	9.49	0.84
		velocity	8.58	11.11	10.87	10.22	10.09	88.5	9.68	10.54	
<b>Ogando, Alexander (DOM) (200)</b>	time		5.88	10.42	15.09	20.03	20.03	4 / 2			
reaction time	0.154	interval		4.54	4.67	4.94	<b>NR PB</b>	# of strides	10.42	9.61	0.81

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

	velocity	8.50	11.01	10.71	10.12	9.99	90.0	9.60	10.41		
<b>Fall, Mouhamadou (FRA) (1992)</b>	time	5.77	10.33	15.10	20.26	20.26	7 / 3				
	reaction time	0.144	interval	4.56	4.77	5.16	<b>PB</b>	# of strides	10.33	9.93	0.40
	velocity	8.67	10.96	10.48	9.69	9.87	86.0	9.68	10.07		
<b>de Grasse, Andre (CAN) (1994)</b>	time	5.88	10.51	15.28	20.38	20.38	6 / 4				
	reaction time	0.163	interval	4.63	4.77	5.10	# of strides	10.51	9.87	0.64	
	velocity	8.50	10.80	10.48	9.80	9.81	90.0	9.51	10.13		
<b>Golitin, Amaury (FRA) (1997)</b>	time	5.71	10.26	15.16	20.52	20.52	5 / 5				
	reaction time	0.157	interval	4.55	4.90	5.36	# of strides	10.26	10.26	0.00	
	velocity	8.76	10.99	10.20	9.33	9.75	94.0	9.75	9.75		
<b>Desalu, Eseosa Fostine (ITA) (1)</b>	time	5.96	10.58	15.37	20.52	20.52	2 / 6				
	reaction time	0.129	interval	4.62	4.79	5.15	# of strides	10.58	9.94	0.64	
	velocity	8.39	10.82	10.44	9.71	9.75	92.0	9.45	10.06		
<b>Martínez, Yancarlos (DOM) (1998)</b>	time	6.01	10.72	15.55	20.61	20.61	1 / 7				
	reaction time	0.153	interval	4.71	4.83	5.06	# of strides	10.72	9.89	0.83	
	velocity	8.32	10.62	10.35	9.88	9.70	89.0	9.33	10.11		
<b>Azamati, Benjamin (GHA) (1998)</b>	time	5.80	10.40	15.27	20.77	20.77	3 / 8				
	reaction time	0.179	interval	4.60	4.87	5.50	# of strides	10.40	10.37	0.03	
	velocity	8.62	10.87	10.27	9.09	9.63	92.5	9.62	9.64		

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

date 09-Jun-22

wind -0.1 m/s

Omega Timing (2022) - diamond league race analysis

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.79	10.29	14.97	20.01	20.01	7 / 1				
	reaction time	0.181	interval	4.50	4.68	5.04	# of strides	10.29	9.72	0.57	
	velocity	8.64	11.11	10.68	9.92	10.00	87.0	9.72	10.29		
<b>Adams, Luxolo (RSA) (1996)</b>	time	5.88	10.47	15.24	20.33	20.33	5 / 2				
	reaction time	0.161	interval	4.59	4.77	5.09	# of strides	10.47	9.86	0.61	
	velocity	8.50	10.89	10.48	9.82	9.84	90.5	9.55	10.14		
<b>Tortu, Filippo (ITA) (1998)</b>	time	5.92	10.58	15.33	20.40	20.40	6 / 3				
	reaction time	0.174	interval	4.66	4.75	5.07	# of strides	10.58	9.82	0.76	
	velocity	8.45	10.73	10.53	9.86	9.80	87.2	9.45	10.18		
<b>Desalu, Eseosa Fostine (ITA) (1)</b>	time	5.99	10.57	15.32	20.59	20.59	8 / 4				
	reaction time	0.132	interval	4.58	4.75	5.27	# of strides	10.57	10.02	0.55	
	velocity	8.35	10.92	10.53	9.49	9.71	92.0	9.46	9.98		
<b>Mitchell-Blake, Nethaneel (GBR) (2000)</b>	time	5.83	10.45	15.33	20.59	20.59	4 / 5				
	reaction time	0.151	interval	4.62	4.88	5.26	# of strides	10.45	10.14	0.31	
	velocity	8.58	10.82	10.25	9.51	9.71	87.5	9.57	9.86		
<b>Ansah, Owen (GER) (2000)</b>	time	5.94	10.58	15.45	20.72	20.72	9 / 6				
	reaction time	0.167	interval	4.64	4.87	5.27	# of strides	10.58	10.14	0.44	
	velocity	8.42	10.78	10.27	9.49	9.65	87.0	9.45	9.86		
<b>Hartmann, Joshua (GER) (1999)</b>	time	5.86	10.57	15.51	20.78	20.78	1 / 7				
	reaction time	0.127	interval	4.71	4.94	5.27	# of strides	10.57	10.21	0.36	
	velocity	8.53	10.62	10.12	9.49	9.62	86.5	9.46	9.79		
<b>Patta, Lorenzo (ITA) (2000)</b>	time	5.84	10.50	15.46	20.91	20.91	3 / 8				
	reaction time	0.150	interval	4.66	4.96	5.45	<b>PB</b>	# of strides	10.50	10.41	0.09
	velocity	8.56	10.73	10.08	9.17	9.56	94.0	9.52	9.61		
<b>Burnet, Taymir (NED) (1992)</b>	time	6.05	10.84	15.87	21.26	21.26	2 / 9				
	reaction time	0.171	interval	4.79	5.03	5.39	# of strides	10.84	10.42	0.42	
	velocity	8.26	10.44	9.94	9.28	9.41	90.0	9.23	9.60		

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

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

## FINAL

		date	05-Jun-22	wind	2.0 m/s	Omega Timing (2022) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1996)</b>	time			5.78	10.31	15.06	20.21	20.21	7 / 1			
	reaction time	0.157	interval		4.53	4.75	5.15		# of strides	10.31	9.90	0.41
			velocity	8.65	11.04	10.53	9.71	9.90	88.0	9.70	10.10	
<b>Adams, Luxolo (RSA) (1996)</b>	time			5.86	10.45	15.23	20.35	20.35	5 / 2			
	reaction time	0.140	interval		4.59	4.78	5.12		# of strides	10.45	9.90	0.55
			velocity	8.53	10.89	10.46	9.77	9.83	90.0	9.57	10.10	
<b>Desalu, Eseosa Fostine (ITA) (1996)</b>	time			5.96	10.54	15.34	20.54	20.54	8 / 3			
	reaction time	0.120	interval		4.58	4.80	5.20		# of strides	10.54	10.00	0.54
			velocity	8.39	10.92	10.42	9.62	9.74	91.7	9.49	10.00	
<b>Martínez, Yancarlos (DOM) (1996)</b>	time			6.04	10.85	15.70	20.69	20.69	3 / 4			
	reaction time	0.148	interval		4.81	4.85	4.99		# of strides	10.85	9.84	1.01
			velocity	8.28	10.40	10.31	10.02	9.67	88.5	9.22	10.16	
<b>Blake, Jerome (CAN) (1995)</b>	time			5.94	10.63	15.51	20.74	20.74	6 / 5			
	reaction time	0.175	interval		4.69	4.88	5.23		# of strides	10.63	10.11	0.52
			velocity	8.42	10.66	10.25	9.56	9.64	83.5	9.41	9.89	
<b>Makwala, Isaac (BOT) (1986)</b>	time			6.04	10.81	15.71	20.87	20.87	4 / 6			
	reaction time	0.192	interval		4.77	4.90	5.16		# of strides	10.81	10.06	0.75
			velocity	8.28	10.48	10.20	9.69	9.58	90.0	9.25	9.94	
<b>Reais, William (SUI) (1999)</b>	time			6.02	10.83	15.90	21.38	21.38	2 / 7			
	reaction time	0.147	interval		4.81	5.07	5.48		# of strides	10.83	10.55	0.28
			velocity	8.31	10.40	9.86	9.12	9.35	89.0	9.23	9.48	
<b>Takordmioui, Mehdi (MAR) (1996)</b>	time			6.13	10.98	16.11	21.57	21.57	1 / 8			
	reaction time	0.171	interval		4.85	5.13	5.46		# of strides	10.98	10.59	0.39
			velocity	8.16	10.31	9.75	9.16	9.27	91.0	9.11	9.44	

## National FINAL

		date	05-Jun-22	wind	-0.6 m/s	Omega Timing (2022) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Chakir, Machmour (MAR) (1994)</b>	time			6.06	10.83	15.78	21.18	21.18	4 / 1			
	reaction time	0.203	interval		4.77	4.95	5.40		# of strides	10.83	10.35	0.48
			velocity	8.25	10.48	10.10	9.26	9.44		9.23	9.66	
<b>Ait Elhadj, Amine (MAR) (1999)</b>	time			6.23	11.22	16.38	21.87	21.87	6 / 2			
	reaction time	0.213	interval		4.99	5.16	5.49		# of strides	11.22	10.65	0.57
			velocity	8.03	10.02	9.69	9.11	9.14		8.91	9.39	
<b>Hzoum, Abdellah (MAR) (2002)</b>	time			6.29	11.27	16.45	22.02	22.02	3 / 3			
	reaction time	0.246	interval		4.98	5.18	5.57		# of strides	11.27	10.75	0.52
			velocity	7.95	10.04	9.65	8.98	9.08		8.87	9.30	
<b>Hussine, Yassine (MAR) (2004)</b>	time			6.38	11.46	16.76	22.34	22.34	1 / 4			
	reaction time	0.173	interval		5.08	5.30	5.58	<b>PB</b>	# of strides	11.46	10.88	0.58
			velocity	7.84	9.84	9.43	8.96	8.95		8.73	9.19	
<b>Sougate, Zakaria (MAR) (2001)</b>	time			6.38	11.42	16.74	22.47	22.47	5 / 5			
	reaction time	0.185	interval		5.04	5.32	5.73		# of strides	11.42	11.05	0.37
			velocity	7.84	9.92	9.40	8.73	8.90		8.76	9.05	
<b>El Aoufi, Anouar (MAR) (2000)</b>	time			6.55	11.74	17.07	22.74	22.74	7 / 6			
	reaction time	0.179	interval		5.19	5.33	5.67		# of strides	11.74	11.00	0.74
			velocity	7.63	9.63	9.38	8.82	8.80		8.52	9.09	
<b>Azib, Yassine (MAR) (1999)</b>	time			6.38	11.57	16.99	22.76	22.76	2 / 7			
	reaction time	0.191	interval		5.19	5.42	5.77		# of strides	11.57	11.19	0.38
			velocity	7.84	9.63	9.23	8.67	8.79		8.64	8.94	
<b>Zariq, Ilyass (MAR) (2004)</b>	time			6.38	14.42	17.20	22.99	22.99	8 / 8			
	reaction time	0.170	interval		8.04	2.78	5.79		# of strides	14.42	8.57	5.85

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

velocity 7.84 6.22 17.99 8.64 8.70 6.93 11.67

## 2022 Shimane High School Championships (Izumo, JPN)

### FINAL

		date	28-May-22	wind	1.3 m/s	Shimizu (2022) - shimane high school championships 2022 - biomechanics data analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tanaka, Yuji (JPN)</b>	time				11.52	16.76	22.27	22.27	4 / 1			
	reaction time					5.24	5.51		# of strides	11.52	10.75	0.77
	velocity				8.68	9.54	9.07	8.98		8.68	9.30	
<b>Fujiwara, Ryusei (JPN)</b>	time				11.59	16.87	22.50	22.50	5 / 2			
	reaction time					5.28	5.63		# of strides	11.59	10.91	0.68
	velocity				8.63	9.47	8.88	8.89		8.63	9.17	
<b>Komura, Ryoku (JPN)</b>	time				11.77	17.15	22.81	22.81	7 / 3			
	reaction time					5.38	5.66		# of strides	11.77	11.04	0.73
	velocity				8.50	9.29	8.83	8.77		8.50	9.06	
<b>Okamoto, Ryotaro (JPN) (2004)</b>	time				11.65	17.08	22.92	22.92	9 / 4			
	reaction time					5.43	5.84		# of strides	11.65	11.27	0.38
	velocity				8.58	9.21	8.56	8.73		8.58	8.87	
<b>Takenaga, Ren (JPN)</b>	time				11.74	17.19	23.01	23.01	6 / 5			
	reaction time					5.45	5.82		# of strides	11.74	11.27	0.47
	velocity				8.52	9.17	8.59	8.69		8.52	8.87	
<b>Arai, Iori (JPN)</b>	time				11.81	17.29	23.11	23.11	3 / 6			
	reaction time					5.48	5.82		# of strides	11.81	11.30	0.51
	velocity				8.47	9.12	8.59	8.65		8.47	8.85	
<b>Nagata, Hiroki (JPN)</b>	time				11.91	17.37	23.13	23.13	8 / 7			
	reaction time					5.46	5.76		# of strides	11.91	11.22	0.69
	velocity				8.40	9.16	8.68	8.65		8.40	8.91	
<b>Nishikori, Yushin (JPN)</b>	time				12.42	18.00	23.83	23.83	2 / 8			
	reaction time					5.58	5.83		# of strides	12.42	11.41	1.01
	velocity				8.05	8.96	8.58	8.39		8.05	8.76	

## 2022 Doha Diamond League (Doha, QAT)

### Final

		date	13-May-22	wind	2.1 m/s	Omega Timing (2022) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time				5.8	10.3	14.9	19.72	6 / 1			
	reaction time	0.157				4.50	4.60	4.82	# of strides	10.30	9.42	0.88
	velocity				8.62	11.11	10.87	10.37	10.14	87.0	9.71	10.62
<b>Kerley, Fred (USA) (1995)</b>	time				5.8	10.3	15.0	19.75	5 / 2			
	reaction time	0.151				4.50	4.70	4.75	# of strides	10.30	9.45	0.85
	velocity				8.62	11.11	10.64	10.53	10.13	85.0	9.71	10.58
<b>Richards, Jareem (TTO) (1994)</b>	time				5.9	10.5	15.2	20.15	3 / 3			
	reaction time	0.153				4.60	4.70	4.95	# of strides	10.50	9.65	0.85
	velocity				8.47	10.87	10.64	10.10	9.93	88.5	9.52	10.36
<b>de Grasse, Andre (CAN) (1994)</b>	time				5.9	10.5	15.3	20.15	7 / 4			
	reaction time	0.147				4.60	4.80	4.85	# of strides	10.50	9.65	0.85
	velocity				8.47	10.87	10.42	10.31	9.93	90.0	9.52	10.36
<b>Brown, Aaron (CAN) (1992)</b>	time				5.8	10.4	15.1	20.18	4 / 5			
	reaction time	0.155				4.60	4.70	5.08	# of strides	10.40	9.78	0.62
	velocity				8.62	10.87	10.64	9.84	9.91	90.0	9.62	10.22
<b>Blake, Jerome (CAN) (1995)</b>	time				5.9	10.5	15.1	20.25	2 / 6			
	reaction time	0.135				4.60	4.60	5.15	# of strides	10.50	9.75	0.75
	velocity				8.47	10.87	10.87	9.71	9.88	83.0	9.52	10.26
<b>Tortu, Filippo (ITA) (1998)</b>	time				5.8	10.7	15.4	20.41	1 / 7			

reaction time	0.139	interval	4.90	4.70	5.01	# of strides	10.70	9.71	0.99
		velocity	8.62	10.20	10.64	9.98	87.2	9.35	10.30
<b>Ogunode, Femi (QAT) (1991)</b>	time	6.2	18.1		dnf	8 / --			
reaction time	0.167	interval	11.90			# of strides	18.10		
		velocity	8.06	4.20			5.52		

## 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m)

### FINAL

	date	23-Oct-21	wind	-0.9 m/s	<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>					
			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Uematsu, Kota (JPN) (2002)</b>	time	6.08	10.88	15.97	15.97	7 / 1			<b>50-150m</b>	
reaction time	interval		4.80	5.09		# of strides	10.88		9.89	
	velocity	8.22	10.42	9.82	12.52	71.5	9.19		10.11	
<b>Hiyoshi, Syuta (JPN)</b>	time	6.20	11.08	16.29	16.29	6 / 2				
reaction time	interval		4.88	5.21		# of strides	11.08		10.09	
	velocity	8.06	10.25	9.60	12.28	72.2	9.03		9.91	
<b>Shirahata, Kentaro (JPN) (2006)</b>	time	6.22	11.16	16.36	16.36	4 / 3				
reaction time	interval		4.94	5.20		# of strides	11.16		10.14	
	velocity	8.04	10.12	9.62	12.22	69.0	8.96		9.86	
<b>Arii, Kennsei (JPN)</b>	time	6.19	11.15	16.38	16.38	3 / 4				
reaction time	interval		4.96	5.23		# of strides	11.15		10.19	
	velocity	8.08	10.08	9.56	12.21	72.5	8.97		9.81	
<b>Inoue, Kotowa (JPN)</b>	time	6.25	11.26	16.56	16.56	9 / 5				
reaction time	interval		5.01	5.30		# of strides	11.26		10.31	
	velocity	8.00	9.98	9.43	12.08	71.0	8.88		9.70	

## 2021 Weltklasse (Zürich, SUI)

### FINAL

	date	09-Sep-21	wind	0.5 m/s	<i>Omega Timing (2021) - diamond league race analysis</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1998)</b>	time	5.7	10.2	14.8	19.70	19.70	7 / 1				
reaction time	0.165	interval	4.50	4.60	4.90		# of strides	10.20	9.50	0.70	
		velocity	8.77	11.11	10.87	10.20	10.15	86.0	9.80	10.53	
<b>de Grasse, André (CAN) (1994)</b>	time	5.8	10.3	15.0	19.72	19.72	6 / 2				
reaction time	0.160	interval	4.50	4.70	4.72		# of strides	10.30	9.42	0.88	
		velocity	8.62	11.11	10.64	10.59	10.14	88.2	9.71	10.62	
<b>Kerley, Fred (USA) (1995)</b>	time	5.8	10.4	15.1	19.83	19.83	5 / 3				
reaction time	0.137	interval	4.60	4.70	4.73		# of strides	10.40	9.43	0.97	
		velocity	8.62	10.87	10.64	10.57	10.09	85.0	9.62	10.60	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.8	10.4	15.1	20.13	20.13	8 / 4				
reaction time	0.147	interval	4.60	4.70	5.03		# of strides	10.40	9.73	0.67	
		velocity	8.62	10.87	10.64	9.94	9.94	89.0	9.62	10.28	
<b>Lyles, Josephus (USA) (1998)</b>	time	5.8	10.3	15.1	20.13	20.13	4 / 5				
reaction time	0.182	interval	4.50	4.80	5.03		# of strides	10.30	9.83	0.47	
		velocity	8.62	11.11	10.42	9.94	9.94	83.7	9.71	10.17	
<b>Makwala, Isaac (BOT) (1986)</b>	time	5.9	10.5	15.3	20.31	20.31	3 / 6				
reaction time	0.167	interval	4.60	4.80	5.01		# of strides	10.50	9.81	0.69	
		velocity	8.47	10.87	10.42	9.98	9.85	88.7	9.52	10.19	
<b>Norwood, Vernon (USA) (1992)</b>	time	5.9	10.6	15.4	20.46	20.46	2 / 7				
reaction time	0.150	interval	4.70	4.80	5.06		# of strides	10.60	9.86	0.74	
		velocity	8.47	10.64	10.42	9.88	9.78	85.0	9.43	10.14	
<b>Reais, William (SUI) (1999)</b>	time	5.9	10.6	15.4	20.49	20.49	1 / 8				
reaction time	0.157	interval	4.70	4.80	5.09		# of strides	10.60	9.89	0.71	
		velocity	8.47	10.64	10.42	9.82	9.76	88.0	9.43	10.11	

## 2021 Athletissima (Lausanne, SUI)

## FINAL

		date	26-Aug-21	wind	3.2 m/s	Omega Timing (2021) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1991)</b>	time			5.8	10.3	14.9	19.65	19.65	6 / 1			
	reaction time	0.163	interval		4.50	4.60	4.75		# of strides	10.30	9.35	0.95
			velocity		8.62	11.11	10.87	10.53	10.18	85.7	9.71	10.70
<b>Kerley, Fred (USA) (1995)</b>	time			5.8	10.3	15.0	19.77	19.77	5 / 2			
	reaction time	0.146	interval		4.50	4.70	4.77		# of strides	10.30	9.47	0.83
			velocity		8.62	11.11	10.64	10.48	10.12	85.2	9.71	10.56
<b>Gardiner, Steven (BAH) (1995)</b>	time			6.0	10.6	15.2	20.11	20.11	7 / 3			
	reaction time	0.126	interval		4.60	4.60	4.91		# of strides	10.60	9.51	1.09
			velocity		8.33	10.87	10.87	10.18	9.95	79.5	9.43	10.52
<b>Brown, Aaron (CAN) (1992)</b>	time			5.9	10.5	15.2	20.18	20.18	4 / 4			
	reaction time	0.149	interval		4.60	4.70	4.98		# of strides	10.50	9.68	0.82
			velocity		8.47	10.87	10.64	10.04	9.91	89.2	9.52	10.33
<b>Martínez, Yancarlos (DOM) (1991)</b>	time			6.0	10.6	15.4	20.30	20.30	3 / 5			
	reaction time	0.143	interval		4.60	4.80	4.90		# of strides	10.60	9.70	0.90
			velocity		8.33	10.87	10.42	10.20	9.85	89.0	9.43	10.31
<b>Young, Isiah (USA) (1990)</b>	time			5.9	10.5	15.4	20.34	20.34	2 / <del>6</del>			
	reaction time	0.147	interval		4.60	4.90	4.94	DQ	# of strides	10.50	9.84	0.66
			velocity		8.47	10.87	10.20	10.12	9.83	91.5	9.52	10.16
<b>Reais, William (SUI) (1999)</b>	time			5.9	10.6	15.4	20.46	20.46	8 / <del>7</del> 6			
	reaction time	0.140	interval		4.70	4.80	5.06		# of strides	10.60	9.86	0.74
			velocity		8.47	10.64	10.42	9.88	9.78	87.0	9.43	10.14
<b>Desalu, Eseosa (ITA) (1994)</b>	time			6.0	10.6	15.4	20.56	20.56	1 / <del>8</del> 7			
	reaction time	0.140	interval		4.60	4.80	5.16		# of strides	10.60	9.96	0.64
			velocity		8.33	10.87	10.42	9.69	9.73	90.2	9.43	10.04

## B Race

		date	26-Aug-21	wind	3.0 m/s	Omega Timing (2021) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lestrade, Bradley (SUI) (2001)</b>	time			6.1	10.8	15.7	21.04	21.04	6 / 1			
	reaction time	0.180	interval		4.70	4.90	5.34		# of strides	10.80	10.24	0.56
			velocity		8.20	10.64	10.20	9.36	9.51		9.26	9.77
<b>Löhrer, Daniel (SUI) (1998)</b>	time			6.1	10.9	15.9	21.06	21.06	5 / 2			
	reaction time	0.143	interval		4.80	5.00	5.16		# of strides	10.90	10.16	0.74
			velocity		8.20	10.42	10.00	9.69	9.50		9.17	9.84
<b>Maury, Jarod (SUI) (2001)</b>	time			6.2	11.1	16.3	21.61	21.61	4 / 3			
	reaction time	0.148	interval		4.90	5.20	5.31		# of strides	11.10	10.51	0.59
			velocity		8.06	10.20	9.62	9.42	9.25		9.01	9.51
<b>Fuchs, Martin (SUI) (1999)</b>	time			6.3	11.2	16.3	21.64	21.64	8 / 4			
	reaction time	0.151	interval		4.90	5.10	5.34		# of strides	11.20	10.44	0.76
			velocity		7.94	10.20	9.80	9.36	9.24		8.93	9.58
<b>Chèvre, Matthieu (SUI) (2004)</b>	time			6.3	11.3	16.5	21.91	21.91	3 / 5			
	reaction time	0.162	interval		5.00	5.20	5.41		# of strides	11.30	10.61	0.69
			velocity		7.94	10.00	9.62	9.24	9.13		8.85	9.43
<b>Pichonnaz, Alan (SUI) (2001)</b>	time			6.3	11.2	16.5	21.97	21.97	7 / 6			
	reaction time	0.167	interval		4.90	5.30	5.47		# of strides	11.20	10.77	0.43
			velocity		7.94	10.20	9.43	9.14	9.10		8.93	9.29
<b>Wyss, Nico (SUI) (2002)</b>	time			6.3	11.4	16.6	22.03	22.03	1 / 7			
	reaction time	0.176	interval		5.10	5.20	5.43		# of strides	11.40	10.63	0.77
			velocity		7.94	9.80	9.62	9.21	9.08		8.77	9.41
<b>Castrini, Timo (SUI) (2001)</b>	time			6.6	11.8	17.1	22.78	22.78	2 / 8			

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



reaction time	0.158	interval	5.20	5.30	5.68		# of strides	11.80	10.98	0.82
velocity		7.58	9.62	9.43	8.80	8.78		8.47	9.11	

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

		date	21-Aug-21	wind	1.5 m/s	Omega Timing (2021) - diamond league race analysis						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time			5.9	10.3	14.8	19.52	19.52	7 / 1			
	reaction time	0.147	interval		4.40	4.50	4.72		# of strides	10.30	9.22	1.08
	velocity		8.47	11.36	11.11	10.59	10.25		86.5	9.71	10.85	
<b>Bednarek, Kenneth (USA) (1998)</b>	time			5.9	10.4	15.0	19.80	19.80	6 / 2			
	reaction time	0.166	interval		4.50	4.60	4.80		# of strides	10.40	9.40	1.00
	velocity		8.47	11.11	10.87	10.42	10.10		85.0	9.62	10.64	
<b>Lyles, Josephus (USA) (1998)</b>	time			5.9	10.5	15.1	20.03	20.03	8 / 3			
	reaction time	0.155	interval		4.60	4.60	4.93	<b>PB</b>	# of strides	10.50	9.53	0.97
	velocity		8.47	10.87	10.87	10.14	9.99		82.2	9.52	10.49	
<b>Brown, Aaron (CAN) (1992)</b>	time			5.9	10.6	15.3	20.12	20.12	4 / 4			
	reaction time	0.144	interval		4.70	4.70	4.82		# of strides	10.60	9.52	1.08
	velocity		8.47	10.64	10.64	10.37	9.94		89.0	9.43	10.50	
<b>Benjamin, Rai (USA) (1997)</b>	time			5.8	10.5	15.2	20.16	20.16	5 / 5			
	reaction time	0.174	interval		4.70	4.70	4.96		# of strides	10.50	9.66	0.84
	velocity		8.62	10.64	10.64	10.08	9.92		81.2	9.52	10.35	
<b>Blake, Jerome (CAN) (1995)</b>	time			6.0	10.7	15.4	20.20	20.20	2 / 6			
	reaction time	0.152	interval		4.70	4.70	4.80	<b>PB</b>	# of strides	10.70	9.50	1.20
	velocity		8.33	10.64	10.64	10.42	9.90		83.0	9.35	10.53	
<b>King, Kyree (USA) (1994)</b>	time			5.8	10.5	15.2	20.22	20.22	9 / <del>7</del>			(no official time given)
	reaction time	0.138	interval		4.70	4.70	5.02	<b>DQ</b>	# of strides	10.50	9.72	0.78
	velocity		8.62	10.64	10.64	9.96	9.89		90.5	9.52	10.29	
<b>Norwood, Vernon (USA) (1992)</b>	time			6.0	10.7	15.4	20.36	20.36	3 / <del>8</del> 7			
	reaction time	0.152	interval		4.70	4.70	4.96		# of strides	10.70	9.66	1.04
	velocity		8.33	10.64	10.64	10.08	9.82		84.5	9.35	10.35	

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

		date	04-Aug-21	wind	-0.6 m/s							
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>de Grasse, André (CAN) (1994)</b>	time	0.135	no information available				<b>NR PB</b>	19.62	6 / 1		# of strides	89.0
<b>Bednarek, Kenneth (USA) (1998)</b>	time	0.165	no information available				<b>PB</b>	19.68	7 / 2		# of strides	86.2
<b>Lyles, Noah (USA) (1997)</b>	time	0.151	no information available					19.74	3 / 3		# of strides	87.0
<b>Knighton, Erriyon (USA) (2004)</b>	time	0.159	no information available					19.93	5 / 4		# of strides	85.7
<b>Fahnbulleh, Joe (LBR) (2001)</b>	time	0.141	no information available				<b>NR</b>	19.98	8 / 5		# of strides	80.5
<b>Brown, Aaron (CAN) (1992)</b>	time	0.157	no information available					20.20	4 / 6		# of strides	89.5
<b>Dwyer, Rasheed (JAM) (1989)</b>	time	0.148	no information available					20.21	9 / 7		# of strides	89.0
<b>Richards, Jareem (TTO) (1994)</b>	time	0.149	no information available					20.39	2 / 8		# of strides	88.0

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

		date	31-Jul-21	wind	3.1 m/s	Shibayama (2021) - national high school and U20 national championships						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tanaka, Syota (JPN) (2003)</b>	time			5.92	10.84	15.63	20.84	20.84	4 / 1			
	reaction time	0.150	interval		4.92	4.79	5.21		# of strides	10.84	10.00	0.84
	velocity		8.45	10.16	10.44	9.60	9.60			9.23	10.00	
<b>Yajima, Ryo (JPN) (2004)</b>	time			5.90	10.83	15.70	20.86	20.86	5 / 2			
	reaction time	0.150	interval		4.93	4.87	5.16		# of strides	10.83	10.03	0.80
	velocity		8.47	10.14	10.27	9.69	9.59			9.23	9.97	
<b>Matushima, Reiya (JPN) (2003)</b>	time			5.95	10.84	15.73	20.87	20.87	8 / 3			
	reaction time	0.155	interval		4.89	4.89	5.14		# of strides	10.84	10.03	0.81
	velocity		8.40	10.22	10.22	9.73	9.58			9.23	9.97	

<b>Yamada, Yudai (JPN) (2003)</b>	time	5.98	10.84	15.68	20.88	20.88	7 / 4			
reaction time	0.155	interval	4.86	4.84	5.20		# of strides	10.84	10.04	0.80
		velocity	8.36	10.29	10.33	9.62	9.58	9.23	9.96	
<b>Saga, Aki (JPN) (2003)</b>	time	5.88	10.80	15.68	20.91	20.91	3 / 5			
reaction time	0.173	interval	4.92	4.88	5.23		# of strides	10.80	10.11	0.69
		velocity	8.50	10.16	10.25	9.56	9.56	9.26	9.89	
<b>Kuboi, So (JPN) (2003)</b>	time	5.97	11.00	15.82	20.94	20.94	6 / 6			
reaction time	0.130	interval	5.03	4.82	5.12		# of strides	11.00	9.94	1.06
		velocity	8.38	9.94	10.37	9.77	9.55	9.09	10.06	
<b>Yokoyama, Sora (JPN) (2004)</b>	time	6.11	11.06	15.88	21.01	21.01	2 / 7			
reaction time	0.165	interval	4.95	4.82	5.13		# of strides	11.06	9.95	1.11
		velocity	8.18	10.10	10.37	9.75	9.52	9.04	10.05	
<b>Tateno, Shunki (JPN) (2003)</b>	time	5.96	10.95	15.87	21.01	21.01	1 / 8			
reaction time	0.184	interval	4.99	4.92	5.14		# of strides	10.95	10.06	0.89
		velocity	8.39	10.02	10.16	9.73	9.52	9.13	9.94	

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

date		01-Jul-21	wind	-1.0 m/s	Omega Timing (2021) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>de Grasse, André (CAN) (1994)</b>	time	5.8	10.4	15.1	20.09	20.09	7 / 1				
reaction time	0.159	interval	4.60	4.70	4.99		# of strides	10.40	9.69	0.71	
		velocity	8.62	10.87	10.64	10.02	9.96	90.0	9.62	10.32	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.9	10.5	15.2	20.38	20.38	6 / 2				
reaction time	0.149	interval	4.60	4.70	5.18		# of strides	10.50	9.88	0.62	
		velocity	8.47	10.87	10.64	9.65	9.81	91.0	9.52	10.12	
<b>Makwala, Isaac (BOT) (1986)</b>	time	6.0	10.6	15.4	20.61	20.61	5 / 3				
reaction time	0.175	interval	4.60	4.80	5.21		# of strides	10.60	10.01	0.59	
		velocity	8.33	10.87	10.42	9.60	9.70	91.0	9.43	9.99	
<b>Desalu, Eseosa (ITA) (1994)</b>	time	6.0	10.5	15.4	20.71	20.71	4 / 4				
reaction time	0.136	interval	4.50	4.90	5.31		# of strides	10.50	10.21	0.29	
		velocity	8.33	11.11	10.20	9.42	9.66	93.0	9.52	9.79	
<b>Norwood, Vernon (USA) (1992)</b>	time	6.0	10.7	15.6	20.74	20.74	3 / 5				
reaction time	0.160	interval	4.70	4.90	5.14		# of strides	10.70	10.04	0.66	
		velocity	8.33	10.64	10.20	9.73	9.64	86.7	9.35	9.96	
<b>Fall, Mouhamadou (FRA) (1992)</b>	time	5.9	10.7	15.6	20.92	20.92	2 / 6				
reaction time	0.135	interval	4.80	4.90	5.32		# of strides	10.70	10.22	0.48	
		velocity	8.47	10.42	10.20	9.40	9.56	87.0	9.35	9.78	
<b>Wilson, Alex (SUI) (1990)</b>	time	6.1	10.8	15.7	20.98	20.98	8 / 7				
reaction time	0.138	interval	4.70	4.90	5.28		# of strides	10.80	10.18	0.62	
		velocity	8.20	10.64	10.20	9.47	9.53	90.5	9.26	9.82	
<b>Johanse, Mathias Hove (NOR) (2003)</b>	time	6.0	10.8	15.8	21.36	21.36	1 / 8				
reaction time	0.129	interval	4.80	5.00	5.56		# of strides	10.80	10.56	0.24	
		velocity	8.33	10.42	10.00	8.99	9.36	98.0	9.26	9.47	

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

date		27-Jun-21	wind	1.0 m/s	Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Koike, Yuki (JPN) (1995)</b>	time	5.87	10.57	15.40	20.46	20.46	5 / 1				
reaction time	0.169	interval	4.70	4.83	5.06		# of strides	10.57	9.89	0.68	
		velocity	8.52	10.64	10.35	9.88	9.78	95.0	9.46	10.11	
<b>Dede, Bruno Chikwadoro (JPN) (2003)</b>	time	5.87	10.62	15.50	20.63	20.63	4 / 2				
reaction time	0.167	interval	4.75	4.88	5.13	<b>PB</b>	# of strides	10.62	10.01	0.61	
		velocity	8.52	10.53	10.25	9.75	9.69	91.7	9.42	9.99	

<b>Suzuki, Ryota (JPN) (1999)</b>	time	5.89	10.65	15.55	20.73	20.73	9 / 3			
reaction time	0.155	interval	4.76	4.90	5.18	<b>PB</b>	# of strides	10.65	10.08	0.57
		velocity	8.49	10.50	10.20	9.65	9.65	9.39	9.92	
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.86	10.57	15.48	20.80	20.80	7 / 4			
reaction time	0.158	interval	4.71	4.91	5.32		# of strides	10.57	10.23	0.34
		velocity	8.53	10.62	10.18	9.40	9.62	9.46	9.78	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.91	10.61	15.59	20.93	20.93	6 / 6			
reaction time	0.177	interval	4.70	4.98	5.34		# of strides	10.61	10.32	0.29
		velocity	8.46	10.64	10.04	9.36	9.56	9.43	9.69	

## 2021 Japanese U20 National Championships (Osaka, JPN)

### FINAL

		date	wind	<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>								
		27-Jun-21	-0.3 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ikeshita, Kowa (JPN) (2003)</b>	time	5.99	10.77	15.75	21.11	21.11	4 / 1					
reaction time	0.181	interval	4.78	4.98	5.36	<b>PB</b>	# of strides	10.77	10.34	0.43		
		velocity	8.35	10.46	10.04	9.33	9.47	99.0	9.29	9.67		
<b>Tateno, Shunki (JPN) (2003)</b>	time	6.01	10.80	15.83	21.18	21.18	6 / 2					
reaction time	0.184	interval	4.79	5.03	5.35	<b>PB</b>	# of strides	10.80	10.38	0.42		
		velocity	8.32	10.44	9.94	9.35	9.44	89.0	9.26	9.63		
<b>Tahara, Ren (JPN) (2002)</b>	time	6.04	10.85	15.86	21.19	21.19	5 / 3					
reaction time	0.157	interval	4.81	5.01	5.33		# of strides	10.85	10.34	0.51		
		velocity	8.28	10.40	9.98	9.38	9.44	90.2	9.22	9.67		
<b>Shimada, Kaishin (JPN) (2002)</b>	time	5.99	10.77	15.79	21.19	21.19	8 / 4					
reaction time	0.163	interval	4.78	5.02	5.40		# of strides	10.77	10.42	0.35		
		velocity	8.35	10.46	9.96	9.26	9.44	98.5	9.29	9.60		
<b>Mitadera, Takeru (JPN) (2002)</b>	time	5.98	10.81	15.93	21.40	21.40	3 / 5					
reaction time	0.139	interval	4.83	5.12	5.47		# of strides	10.81	10.59	0.22		
		velocity	8.36	10.35	9.77	9.14	9.35	94.2	9.25	9.44		

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

### FINAL

		date	wind	<i>Shimizu (2021) - shimane high school championships 2021 - biomechanics data analysis</i>								
		30-May-21	2.7 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fujiwara, Ryusei (JPN)</b>	time			11.18	16.30	21.85	21.85	21.85	6 / 1			
reaction time					5.12	5.55			# of strides	11.18	10.67	0.51
					8.94	9.77	9.01	9.15		8.94	9.37	
<b>Yoshichi, Sota (JPN)</b>	time			11.12	16.29	21.86	21.86	21.86	4 / 2			
reaction time					5.17	5.57			# of strides	11.12	10.74	0.38
					8.99	9.67	8.98	9.15		8.99	9.31	
<b>Kajima, Ayato (JPN) (2003)</b>	time			11.27	16.44	22.05	22.05	22.05	5 / 3			
reaction time					5.17	5.61			# of strides	11.27	10.78	0.49
					8.87	9.67	8.91	9.07		8.87	9.28	
<b>Nishio, Kotora (JPN)</b>	time			11.12	16.40	22.24	22.24	22.24	8 / 4			
reaction time					5.28	5.84			# of strides	11.12	11.12	0.00
					8.99	9.47	8.56	8.99		8.99	8.99	
<b>Okamoto, Ryotaro (JPN) (2004)</b>	time			11.24	16.52	22.35	22.35	22.35	3 / 5			
reaction time					5.28	5.83			# of strides	11.24	11.11	0.13
					8.90	9.47	8.58	8.95		8.90	9.00	
<b>Hashimoto, Takumi (JPN) (2004)</b>	time			11.44	16.74	22.48	22.48	22.48	1 / 6			
reaction time					5.30	5.74			# of strides	11.44	11.04	0.40
					8.74	9.43	8.71	8.90		8.74	9.06	
<b>Kawabata, Ryota (JPN)</b>	time			11.42	16.71	22.52	22.52	22.52	2 / 7			
reaction time					5.29	5.81			# of strides	11.42	11.10	0.32

	velocity	8.76	9.45	8.61	8.88		8.76	9.01	
<b>Anshu, Taichi (JPN)</b>	time	11.62	17.12	23.02	23.02	7 / 8			
reaction time	interval		5.50	5.90		# of strides	11.62	11.40	0.22
	velocity	8.61	9.09	8.47	8.69		8.61	8.77	

**2021 Doha Diamond League (Doha, QAT)****FINAL**

date 28-May-21		wind	0.4 m/s				Omega Timing (2021) - diamond league race analysis				
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1994)</b>	time		6.0	10.2	14.9	19.88	19.88	6 / 1			
reaction time	0.171	interval		4.20	4.70	4.98		# of strides	10.20	9.68	0.52
		velocity	8.33	11.90	10.64	10.04	10.06	87.7	9.80	10.33	
<b>de Grasse, André (CAN) (1994)</b>	time		5.8	10.4	15.0	19.89	19.89	5 / 2			
reaction time	0.174	interval		4.60	4.60	4.89		# of strides	10.40	9.49	0.91
		velocity	8.62	10.87	10.87	10.22	10.06	89.0	9.62	10.54	
<b>Brown, Aaron (CAN) (1992)</b>	time		5.8	10.4	15.1	20.25	20.25	7 / 3			
reaction time	0.146	interval		4.60	4.70	5.15		# of strides	10.40	9.85	0.55
		velocity	8.62	10.87	10.64	9.71	9.88	89.7	9.62	10.15	
<b>Matadi, Emmanuel (LBR) (1991)</b>	time		5.9	10.5	15.3	20.45	20.45	2 / 4			
reaction time	0.152	interval		4.60	4.80	5.15		# of strides	10.50	9.95	0.55
		velocity	8.47	10.87	10.42	9.71	9.78	89.5	9.52	10.05	
<b>Gatlin, Justin (USA) (1982)</b>	time		6.0	10.6	15.3	20.49	20.49	8 / 5			
reaction time	0.153	interval		4.60	4.70	5.19		# of strides	10.60	9.89	0.71
		velocity	8.33	10.87	10.64	9.63	9.76	86.7	9.43	10.11	
<b>Gemili, Adam (GBR) (1993)</b>	0.134	no information available					20.58	3 / 6		# of strides	90.0
<b>Cissé, Arthur (CIV) (1996)</b>	time		5.9	10.5	15.4	20.91	20.91	1 / 7			
reaction time	0.163	interval		4.60	4.90	5.51		# of strides	10.50	10.41	0.09
		velocity	8.47	10.87	10.20	9.07	9.56	96.0	9.52	9.61	
<b>Guliyev, Ramil (TUR) (1990)</b>	time		6.0	10.7	13.1	21.09	21.09	4 / 8			
reaction time	0.149	interval		4.70	2.40	7.99		# of strides	10.70	10.39	0.31
		velocity	8.33	10.64	20.83	6.26	9.48	89.0	9.35	9.62	

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

date 23-May-21		wind	-3.0 m/s				Omega Timing (2021) - diamond league race analysis				
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bednarek, Kenneth (USA) (1994)</b>	time		6.3	10.9	15.7	20.33	20.33	7 / 1			
reaction time	0.166	interval		4.60	4.80	4.63		# of strides	10.90	9.43	1.47
		velocity	7.94	10.87	10.42	10.80	9.84	89.5	9.17	10.60	
<b>Brown, Aaron (CAN) (1992)</b>	time		6.3	11.0	16.0	20.79	20.79	6 / 2			
reaction time	0.148	interval		4.70	5.00	4.79		# of strides	11.00	9.79	1.21
		velocity	7.94	10.64	10.00	10.44	9.62	92.0	9.09	10.21	
<b>de Grasse, André (CAN) (1994)</b>	time		6.4	11.2	16.1	20.85	20.85	5 / 3			
reaction time	0.168	interval		4.80	4.90	4.75		# of strides	11.20	9.65	1.55
		velocity	7.81	10.42	10.20	10.53	9.59	90.7	8.93	10.36	
<b>Norwood, Vernon (USA) (1992)</b>	time		6.4	11.1	16.1	20.95	20.95	8 / 4			
reaction time	0.155	interval		4.70	5.00	4.85		# of strides	11.10	9.85	1.25
		velocity	7.81	10.64	10.00	10.31	9.55	86.5	9.01	10.15	
<b>Matadi, Emmanuel (LBR) (1991)</b>	time		6.4	11.1	16.1	21.13	21.13	3 / 5			
reaction time	0.154	interval		4.70	5.00	5.03		# of strides	11.10	10.03	1.07
		velocity	7.81	10.64	10.00	9.94	9.47	92.2	9.01	9.97	
<b>Gemili, Adam (GBR) (1993)</b>	time		6.4	11.1	16.1	21.18	21.18	4 / 6			
reaction time	0.138	interval		4.70	5.00	5.08		# of strides	11.10	10.08	1.02
		velocity	7.81	10.64	10.00	9.84	9.44	93.0	9.01	9.92	

<b>Forte, Julian (JAM) (1993)</b>	time	6.4	11.2	16.4	21.47	21.47	2 / 7			
reaction time	0.149	interval	4.80	5.20	5.07		# of strides	11.20	10.27	0.93
		velocity	7.81	10.42	9.62	9.86	9.32	8.93	9.74	
<b>Ramdhan, Tommy (GBR) (1996)</b>	time	6.5	11.3	16.5	21.49	21.61	1 / 8			
reaction time	0.140	interval	4.80	5.20	4.99		# of strides	11.30	10.19	1.11
		velocity	7.69	10.42	9.62	10.02	9.25	8.85	9.81	

**2021 Ready Steady Tokyo (Tokyo, JPN)****FINAL**

		date	09-May-21	wind	1.4 m/s	<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Iizuka, Shota (JPN) (1991)</b>	time			5.91	10.55	15.35	20.48	20.48	5 / 1			
reaction time	0.139	interval		4.64	4.80	5.13			# of strides	10.55	9.93	0.62
		velocity		8.46	10.78	10.42	9.75	9.77	92.0	9.48	10.07	
<b>Higashida, Akihiro (JPN) (1995)</b>	time			5.97	10.77	15.56	20.60	20.60	1 / 3			
reaction time	0.152	interval		4.80	4.79	5.04		<b>PB</b>	# of strides	10.77	9.83	0.94
		velocity		8.38	10.42	10.44	9.92	9.71	92.0	9.29	10.17	
<b>Yamashita, Jun (JPN) (1997)</b>	time			5.92	10.56	15.39	20.61	20.61	6 / 4			
reaction time	0.142	interval		4.64	4.83	5.22			# of strides	10.56	10.05	0.51
		velocity		8.45	10.78	10.35	9.58	9.70	87.5	9.47	9.95	
<b>Suzuki, Ryota (JPN) (1999)</b>	time			5.96	10.69	15.57	20.79	20.79	4 / 5			
reaction time	0.156	interval		4.73	4.88	5.22			# of strides	10.69	10.10	0.59
		velocity		8.39	10.57	10.25	9.58	9.62	95.2	9.35	9.90	
<b>Higuchi, Kazuma (JPN) (1999)</b>	time			5.95	10.67	15.61	20.88	20.88	7 / 7			
reaction time	0.162	interval		4.72	4.94	5.27			# of strides	10.67	10.21	0.46
		velocity		8.40	10.59	10.12	9.49	9.58	92.2	9.37	9.79	
<b>Suzuki, Aoto (JPN) (2001)</b>	time			5.95	10.71	15.66	20.95	20.95	2 / 8			
reaction time	0.168	interval		4.76	4.95	5.29		<b>PB</b>	# of strides	10.71	10.24	0.47
		velocity		8.40	10.50	10.10	9.45	9.55	91.0	9.34	9.77	

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

		date	25-Oct-20	wind	1.5 m/s	<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Kimura, Sota (JPN) (2001)</b>	time			5.98	10.79	15.76	21.20	21.20	6 / 1			
reaction time	0.176	interval		4.81	4.97	5.44			# of strides	10.79	10.41	0.38
		velocity		8.36	10.40	10.06	9.19	9.43	101.8	9.27	9.61	
<b>Kimura, Ryo (JPN) (2001)</b>	time			6.09	10.99	16.00	21.24	21.24	3 / 2			
reaction time	0.168	interval		4.90	5.01	5.24			# of strides	10.99	10.25	0.74
		velocity		8.21	10.20	9.98	9.54	9.42	98.1	9.10	9.76	
<b>Takahashi, Tetsuya (JPN) (2001)</b>	time			6.09	10.95	15.99	21.33	21.33	7 / 3			
reaction time	0.188	interval		4.86	5.04	5.34			# of strides	10.95	10.38	0.57
		velocity		8.21	10.29	9.92	9.36	9.38	98.3	9.13	9.63	
<b>Inage, Midori (JPN) (2001)</b>	time			6.08	11.08	16.12	21.43	21.43	5 / 4			
reaction time	0.162	interval		5.00	5.04	5.31			# of strides	11.08	10.35	0.73
		velocity		8.22	10.00	9.92	9.42	9.33	93.6	9.03	9.66	
<b>Hayashi, Kanata (JPN) (2001)</b>	time			6.12	11.11	16.18	21.47	21.47	2 / 5			
reaction time	0.158	interval		4.99	5.07	5.29			# of strides	11.11	10.36	0.75
		velocity		8.17	10.02	9.86	9.45	9.32	98.3	9.00	9.65	
<b>Yamaguchi, Rin (JPN) (2001)</b>	time			6.18	11.15	16.19	21.49	21.49	4 / 6			
reaction time	0.178	interval		4.97	5.04	5.30			# of strides	11.15	10.34	0.81
		velocity		8.09	10.06	9.92	9.43	9.31	100.4	8.97	9.67	

**Heat 3**

		date	25-Oct-20	wind	0.6 m/s	<i>Kobayashi (2002) - national high school and U20 national championships</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>

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

<b>Kimura, Sota (JPN) (2001)</b>	time	5.94	10.71	15.72	21.50	21.50	6 / 1			
reaction time	0.168	interval	4.77	5.01	5.78		# of strides	10.71	10.79	-0.08
		velocity	8.42	10.48	9.98	8.65	9.30	103.0	9.34	9.27

**Heat 2**

date 25-Oct-20 wind 1.9 m/s *Kobayashi (2002) - national high school and U20 national championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kimura, Ryo (JPN) (2001)</b>	time	6.05	10.89	15.86	21.32	21.32	5 / 1			
reaction time	0.179	interval	4.84	4.97	5.46		# of strides	10.89	10.43	0.46
		velocity	8.26	10.33	10.06	9.16	9.38	98.5	9.18	9.59
<b>Takahashi, Tetsuya (JPN) (2001)</b>	time	6.20	11.06	16.05	21.45	21.45	4 / 2			
reaction time	0.201	interval	4.86	4.99	5.40		# of strides	11.06	10.39	0.67
		velocity	8.06	10.29	10.02	9.26	9.32	97.6	9.04	9.62

**Heat 1**

date 25-Oct-20 wind 1.4 m/s *Kobayashi (2002) - national high school and U20 national championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Inage, Midori (JPN) (2001)</b>	time	6.05	10.99	15.95	21.28	21.28	7 / 1			
reaction time	0.151	interval	4.94	4.96	5.33		# of strides	10.99	10.29	0.70
		velocity	8.26	10.12	10.08	9.38	9.40	93.0	9.10	9.72
<b>Yamaguchi, Rin (JPN) (2001)</b>	time	6.14	11.03	15.97	21.35	21.35	4 / 2			
reaction time	0.170	interval	4.89	4.94	5.38		# of strides	11.03	10.32	0.71
		velocity	8.14	10.22	10.12	9.29	9.37	102.1	9.07	9.69
<b>Hayashi, Kanata (JPN) (2001)</b>	time	6.08	11.01	16.01	21.42	21.42	6 / 3			
reaction time	0.148	interval	4.93	5.00	5.41		# of strides	11.01	10.41	0.60
		velocity	8.22	10.14	10.00	9.24	9.34	97.7	9.08	9.61

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

date 25-Oct-20 wind 1.0 m/s *Takahashi (2020) - 200m race analysis of top Japanese sprinters in 2020*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Miwa, Sota (JPN) (2002)</b>	time	5.95	10.69	15.64	20.88	20.88	6 / 1			
reaction time	0.162	interval	4.74	4.95	5.24	<b>PB</b>	# of strides	10.69	10.19	0.50
		velocity	8.40	10.55	10.10	9.54	9.58	94.8	9.35	9.81
<b>Shimada, Kaishin (JPN) (2002)</b>	time	5.94	10.70	15.70	21.02	21.02	5 / 2			
reaction time	0.149	interval	4.76	5.00	5.32		# of strides	10.70	10.32	0.38
		velocity	8.42	10.50	10.00	9.40	9.51	105.7	9.35	9.69
<b>Shigetani, Daiki (JPN) (2002)</b>	time	5.94	10.75	15.73	21.02	21.02	4 / 3			
reaction time	0.165	interval	4.81	4.98	5.29		# of strides	10.75	10.27	0.48
		velocity	8.42	10.40	10.04	9.45	9.51	97.5	9.30	9.74
<b>Maeda, Natsuki (JPN) (2002)</b>	time	6.01	10.78	15.80	21.15	21.15	7 / 4			
reaction time	0.167	interval	4.77	5.02	5.35		# of strides	10.78	10.37	0.41
		velocity	8.32	10.48	9.96	9.35	9.46	94.1	9.28	9.64
<b>Watanabe, Hayato (2002)</b>	time	6.23	11.17	16.08	21.17	21.17	8 / 5			
reaction time	0.161	interval	4.94	4.91	5.09		# of strides	11.17	10.00	1.17
		velocity	8.03	10.12	10.18	9.82	9.45	92.3	8.95	10.00
<b>Ikeshita, Kowa (JPN) (2003)</b>	time	6.03	10.84	15.87	21.23	21.23	1 / 6			
reaction time	0.186	interval	4.81	5.03	5.36		# of strides	10.84	10.39	0.45
		velocity	8.29	10.40	9.94	9.33	9.42	110.8	9.23	9.62

**Heat 6**

date 25-Oct-20 wind -0.3 m/s *Kobayashi (2002) - national high school and U20 national championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Watanabe, Hayato (2002)</b>	time	6.18	11.10	16.11	21.34	21.34	3 / 1			
reaction time	0.152	interval	4.92	5.01	5.23		# of strides	11.10	10.24	0.86
		velocity	8.09	10.16	9.98	9.56	9.37	94.5	9.01	9.77

**Heat 5**

date 25-Oct-20 wind -0.2 m/s *Kobayashi (2002) - national high school and U20 national championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Maeda, Natsuki (JPN) (2002)</b>	time	5.96	10.74	15.84	21.41	21.41	7 / 1			
reaction time	0.157	interval	4.78	5.10	5.57		# of strides	10.74	10.67	0.07

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

velocity	8.39	10.46	9.80	8.98	9.34	95.5	9.31	9.37
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**Heat 3**

	date	25-Oct-20	wind	-0.2 m/s	<i>Kobayashi (2002) - national high school and U20 national championships</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Shigetani, Daiki (JPN) (2002)</b>	time		6.00	10.84	15.86	21.24	21.24	6 / 1			
	reaction time	0.163	interval	4.84	5.02	5.38		# of strides	10.84	10.40	0.44
			velocity	8.33	10.33	9.96	9.29	9.42	97.7	9.23	9.62

**Heat 2**

	date	25-Oct-20	wind	2.0 m/s	<i>Kobayashi (2002) - national high school and U20 national championships</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Shimada, Kaishin (JPN) (2002)</b>	time		5.96	10.73	15.67	21.03	21.03	5 / 1			
	reaction time	0.156	interval	4.77	4.94	5.36		# of strides	10.73	10.30	0.43
			velocity	8.39	10.48	10.12	9.33	9.51	105.2	9.32	9.71
<b>Ikeshita, Kowa (JPN) (2003)</b>	time		5.96	10.71	15.70	21.20	21.20	4 / 2			
	reaction time	0.174	interval	4.75	4.99	5.50		# of strides	10.71	10.49	0.22
			velocity	8.39	10.53	10.02	9.09	9.43	108.5	9.34	9.53

**Heat 1**

	date	25-Oct-20	wind	1.6 m/s	<i>Kobayashi (2002) - national high school and U20 national championships</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Miwa, Sota (JPN) (2002)</b>	time		5.98	10.77	15.82	21.17	21.17	4 / 1			
	reaction time	0.175	interval	4.79	5.05	5.35		# of strides	10.77	10.40	0.37
			velocity	8.36	10.44	9.90	9.35	9.45	97.2	9.29	9.62

**2020 Japanese National Championships (Niigata, JPN)****FINAL**

	date	03-Oct-20	wind	-0.5 m/s	<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Iizuka, Shota (JPN) (1991)</b>	time		5.85	10.48	15.42	20.75	20.75	6 / 1			
	reaction time	0.135	interval	4.63	4.94	5.33		# of strides	10.48	10.27	0.21
			velocity	8.55	10.80	10.12	9.38	9.64	94.7	9.54	9.74
<b>Koike, Yuki (JPN) (1995)</b>	time		5.83	10.45	15.37	20.88	20.88	5 / 2			
	reaction time	0.163	interval	4.62	4.92	5.51		# of strides	10.45	10.43	0.02
			velocity	8.58	10.82	10.16	9.07	9.58	98.0	9.57	9.59
<b>Suzuki, Ryota (JPN) (1999)</b>	time		5.90	10.62	15.56	20.89	20.89	3 / 3			
	reaction time	0.147	interval	4.72	4.94	5.33		# of strides	10.62	10.27	0.35
			velocity	8.47	10.59	10.12	9.38	9.57	95.5	9.42	9.74
<b>Yamashita, Jun (JPN) (1997)</b>	time		5.88	10.56	15.51	20.94	20.94	2 / 4			
	reaction time	0.146	interval	4.68	4.95	5.43		# of strides	10.56	10.38	0.18
			velocity	8.50	10.68	10.10	9.21	9.55	88.5	9.47	9.63
<b>Higuchi, Kazuma (JPN) (1999)</b>	time		5.93	10.68	15.66	20.98	20.98	7 / 5			
	reaction time	0.137	interval	4.75	4.98	5.32		# of strides	10.68	10.30	0.38
			velocity	8.43	10.53	10.04	9.40	9.53	91.2	9.36	9.71
<b>Yasuda, Keigo (JPN) (2000)</b>	time		5.93	10.67	15.68	21.06	21.06	4 / 6			
	reaction time	0.148	interval	4.74	5.01	5.38		# of strides	10.67	10.39	0.28
			velocity	8.43	10.55	9.98	9.29	9.50	91.5	9.37	9.62

**2020 Doha Diamond League (Doha, QAT)****FINAL**

	date	25-Sep-20	wind	0.9 m/s	<i>Omega Timing (2020) - diamond league race analysis</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Cissé, Arthur (CIV) (1996)</b>	time		5.9	10.5	15.2	20.23	20.23	4 / 1			
	reaction time	0.147	interval	4.60	4.70	5.03	<b>NR PB</b>	# of strides	10.50	9.73	0.77
			velocity	8.47	10.87	10.64	9.94	9.89	93.5	9.52	10.28
<b>Forte, Julian (JAM) (1993)</b>	time		5.9	10.5	15.3	20.39	20.39	6 / 2			
	reaction time	0.150	interval	4.60	4.80	5.09		# of strides	10.50	9.89	0.61
			velocity	8.47	10.87	10.42	9.82	9.81	86.7	9.52	10.11
<b>Lemaitre, Christophe (FRA) (1991)</b>	time		6.1	10.8	15.6	20.68	20.68	5 / 3			
	reaction time	0.137	interval	4.70	4.80	5.08		# of strides	10.80	9.88	0.92
			velocity	8.20	10.64	10.42	9.84	9.67	84.0	9.26	10.12

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

<b>Burke, Mario (BAR) (1997)</b>	time	6.0	10.7	15.6	20.72	20.72	3 / 4			
reaction time	0.121	interval	4.70	4.90	5.12		# of strides	10.70	10.02	0.68
		velocity	8.33	10.64	10.20	9.77	9.65	89.0	9.35	9.98
<b>Belcher, Christopher (USA) (1991)</b>	time	5.9	10.6	15.5	20.86	20.86	7 / 5			
reaction time	0.158	interval	4.70	4.90	5.36		# of strides	10.60	10.26	0.34
		velocity	8.47	10.64	10.20	9.33	9.59	96.0	9.43	9.75
<b>Mohamed, Abdulaziz (QAT) (2011)</b>	time	6.0	10.6	15.5	20.88	20.88	8 / 6			
reaction time	0.143	interval	4.60	4.90	5.38		# of strides	10.60	10.28	0.32
		velocity	8.33	10.87	10.20	9.29	9.58	91.7	9.43	9.73
<b>Rodgers, Michael (USA) (1985)</b>	time	6.0	10.8	15.6	21.29	21.19	2 / 7			
reaction time	0.142	interval	4.80	4.80	5.69		# of strides	10.80	10.49	0.31
		velocity	8.33	10.42	10.42	8.79	9.44	90.0	9.26	9.53
<b>Kemp, Demek (USA) (1996)</b>	time	6.0	11.0	16.2	21.87	21.87	1 / 8			
reaction time	0.134	interval	5.00	5.20	5.67		# of strides	11.00	10.87	0.13
		velocity	8.33	10.00	9.62	8.82	9.14	93.0	9.09	9.20

### 2020 All Japan Corporate Championships (Kumagaya, JPN)

#### FINAL

		date	20-Sep-20	wind	1.2 m/s	<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time			5.95	10.59	15.39	20.47	20.47	6 / 1			
reaction time	0.171	interval		4.64	4.80	5.08		# of strides	10.59	9.88	0.71	
		velocity		8.40	10.78	10.42	9.84	9.77	88.7	9.44	10.12	
<b>Kitagawa, Sho (JPN) (1995)</b>	time			5.95	10.69	15.67	21.08	21.08	7 / 2			
reaction time	0.166	interval		4.74	4.98	5.41		# of strides	10.69	10.39	0.30	
		velocity		8.40	10.55	10.04	9.24	9.49	90.7	9.35	9.62	
<b>Shiraishi, Kirara (JPN) (1996)</b>	time			5.98	10.70	15.68	21.19	21.19	9 / 3			
reaction time	0.177	interval		4.72	4.98	5.51		# of strides	10.70	10.49	0.21	
		velocity		8.36	10.59	10.04	9.07	9.44	93.7	9.35	9.53	

### 2020 World Athletics Trials (Fuji, JPN)

#### Race 2

		date	06-Sep-20	wind	-0.6 m/s	<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Koike, Yuki (JPN) (1995)</b>	time			5.88	10.54	15.42	20.76	20.76	5 / 1			
reaction time		interval		4.66	4.88	5.34		# of strides	10.54	10.22	0.32	
		velocity		8.50	10.73	10.25	9.36	9.63	97.0	9.49	9.78	
<b>Hara, Shota (JPN) (1992)</b>	time			5.85	10.57	15.59	20.91	20.91	6 / 2			
reaction time		interval		4.72	5.02	5.32		# of strides	10.57	10.34	0.23	
		velocity		8.55	10.59	9.96	9.40	9.56	94.7	9.46	9.67	

### 2020 Memorial Van Damme (Brussels, BEL)

#### FINAL

		date	04-Sep-20	wind	0.1 m/s	<i>Omega Timing (2020) - diamond league race analysis</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Desalu, Eseosa (ITA) (1994)</b>	time			6.1	10.6	15.3	20.39	20.39	6 / 1			
reaction time	0.150	interval		4.50	4.70	5.09		# of strides	10.60	9.79	0.81	
		velocity		8.20	11.11	10.64	9.82	9.81	89.2	9.43	10.21	
<b>Volko, Ján (SVK) (1996)</b>	time			5.9	10.6	15.6	20.81	20.81	4 / 2			
reaction time	0.144	interval		4.70	5.00	5.21		# of strides	10.60	10.21	0.39	
		velocity		8.47	10.64	10.00	9.60	9.61	97.0	9.43	9.79	
<b>Polák, Jiri (CZE) (1998)</b>	time			6.0	10.7	15.6	20.89	20.89	2 / 3			
reaction time	0.147	interval		4.70	4.90	5.29		# of strides	10.70	10.19	0.51	
		velocity		8.33	10.64	10.20	9.45	9.57	84.0	9.35	9.81	
<b>Musah, Kojo (DEN) (1996)</b>	time			5.9	10.6	15.6	20.99	20.99	3 / 4			
reaction time	0.131	interval		4.70	5.00	5.39		# of strides	10.60	10.39	0.21	
		velocity		8.47	10.64	10.00	9.28	9.53	88.5	9.43	9.62	



<b>Watrin, Julien (BEL) (1992)</b>	time	6.1	10.9	15.8	20.83	21.04	8 / 5			
reaction time	0.193	interval	4.80	4.90	5.03		# of strides	10.90	9.93	0.97
		velocity	8.20	10.42	10.20	9.94	9.51	90.2	9.17	10.07
<b>Kilty, Richard (GBR) (1989)</b>	time	6.0	10.7	15.8	21.27	21.27	7 / 6			
reaction time	0.129	interval	4.70	5.10	5.47		# of strides	10.70	10.57	0.13
		velocity	8.33	10.64	9.80	9.14	9.40	98.0	9.35	9.46
<b>Borlée, Jonathan (BEL) (1988)</b>	time	6.1	11.0	15.9	21.30	21.30	5 / 7			
reaction time	0.134	interval	4.90	4.90	5.40		# of strides	11.00	10.30	0.70
		velocity	8.20	10.20	10.20	9.26	9.39	88.0	9.09	9.71
<b>Lawler, Marcus (IRL) (1995)</b>	time	6.1	10.9	15.9	21.33	21.33	1 / 8			
reaction time	0.145	interval	4.80	5.00	5.43		# of strides	10.90	10.43	0.47
		velocity	8.20	10.42	10.00	9.21	9.38	97.0	9.17	9.59

**2020 Athlete Night Games (Fukui, JPN)****FINAL**

	date	29-Aug-20	wind	0.8 m/s	<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>								
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yasuda, Keigo (JPN) (2000)</b>	time	5.93	10.64	15.49	20.71	20.71	4 / 1						
reaction time		interval	4.71	4.85	5.22		# of strides	10.64	10.07	0.57			
		velocity	8.43	10.62	10.31	9.58	9.66	89.5	9.40	9.93			
<b>Ueyama, Koki (JPN) (1999)</b>	time	5.91	10.63	15.47	20.72	20.72	5 / 2						
reaction time		interval	4.72	4.84	5.25	<b>PB</b>	# of strides	10.63	10.09	0.54			
		velocity	8.46	10.59	10.33	9.52	9.65	89.0	9.41	9.91			
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.91	10.56	15.47	20.89	20.89	7 / 3						
reaction time		interval	4.65	4.91	5.42		# of strides	10.56	10.33	0.23			
		velocity	8.46	10.75	10.18	9.23	9.57	87.0	9.47	9.68			

**2020 Bauhaus Galan (Stockholm, SWE)****FINAL**

	date	23-Aug-20	wind	3.0 m/s	<i>Omega Timing (2020) - diamond league race analysis</i>								
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gemili, Adam (GBR) (1993)</b>	time	5.9	10.5	15.4	20.61	20.61	6 / 1						
reaction time	0.189	interval	4.60	4.90	5.21		# of strides	10.50	10.11	0.39			
		velocity	8.47	10.87	10.20	9.60	9.70	91.0	9.52	9.89			
<b>Svensson, Felix (SUI) (1997)</b>	time	6.1	10.9	15.8	20.75	20.75	3 / 2						
reaction time	0.135	interval	4.80	4.90	4.95		# of strides	10.90	9.85	1.05			
		velocity	8.20	10.42	10.20	10.10	9.64	90.0	9.17	10.15			
<b>Wicki, Silvan (SUI) (1995)</b>	time	5.9	10.6	15.6	20.75	20.75	5 / 3						
reaction time	0.144	interval	4.70	5.00	5.15		# of strides	10.60	10.15	0.45			
		velocity	8.47	10.64	10.00	9.71	9.64	93.5	9.43	9.85			
<b>Burke, Mario (BAR) (1997)</b>	time	5.9	10.7	15.6	20.80	20.80	2 / 4						
reaction time	0.113	interval	4.80	4.90	5.20		# of strides	10.70	10.10	0.60			
		velocity	8.47	10.42	10.20	9.62	9.62	87.2	9.35	9.90			
<b>Veleba, Jan (CZE) (1986)</b>	time	5.9	10.7	15.6	20.83	20.83	4 / 5						
reaction time	0.156	interval	4.80	4.90	5.23		# of strides	10.70	10.13	0.57			
		velocity	8.47	10.42	10.20	9.56	9.60	95.0	9.35	9.87			
<b>Kilty, Richard (GBR) (1989)</b>	time	6.0	10.8	15.7	20.87	20.87	1 / 6						
reaction time	0.129	interval	4.80	4.90	5.17		# of strides	10.80	10.07	0.73			
		velocity	8.33	10.42	10.20	9.67	9.58	97.0	9.26	9.93			
<b>Hall-Thompson, Elijah (USA) (1991)</b>	time	6.0	10.8	15.7	20.90	20.90	8 / 7						
reaction time	0.143	interval	4.80	4.90	5.20		# of strides	10.80	10.10	0.70			
		velocity	8.33	10.42	10.20	9.62	9.57	88.7	9.26	9.90			
<b>Hortelano, Bruno (ESP) (1991)</b>	time	5.9	11.4				7 / --						
reaction time	0.117	interval	5.50				<b>dnf</b>	# of strides	11.40				

velocity 8.47 9.09 37.0 8.77

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

### FINAL

		date	wind	0.6 m/s	<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time		5.87	10.56	15.45	20.74	20.74	6 / 1			
	reaction time	0.146	interval	4.69	4.89	5.29		# of strides	10.56	10.18	0.38
			velocity	8.52	10.66	10.22	9.45	9.64	93.2	9.47	9.82
<b>Hara, Shota (JPN) (1992)</b>	time		5.89	10.66	15.65	20.97	20.97	9 / 2			
	reaction time	0.118	interval	4.77	4.99	5.32		# of strides	10.66	10.31	0.35
			velocity	8.49	10.48	10.02	9.40	9.54	95.2	9.38	9.70
<b>Someya, Yoshihiro (JPN) (1998)</b>	time		5.91	10.63	15.59	20.97	20.97	8 / 3			
	reaction time	0.156	interval	4.72	4.96	5.38		# of strides	10.63	10.34	0.29
			velocity	8.46	10.59	10.08	9.29	9.54	91.7	9.41	9.67
<b>Yasuda, Keigo (JPN) (2000)</b>	time		5.93	10.73	15.68	20.99	20.99	3 / 4			
	reaction time	0.116	interval	4.80	4.95	5.31		# of strides	10.73	10.26	0.47
			velocity	8.43	10.42	10.10	9.42	9.53	90.2	9.32	9.75
<b>Yamashita, Jun (JPN) (1997)</b>	time		5.92	10.66	15.66	21.18	21.18	4 / 5			
	reaction time	0.136	interval	4.74	5.00	5.52		# of strides	10.66	10.52	0.14
			velocity	8.45	10.55	10.00	9.06	9.44	87.0	9.38	9.51
<b>Shimada, Kaishin (JPN) (2002)</b>	time		5.92	10.78	15.86	21.42	21.42	1 / 6			
	reaction time	0.121	interval	4.86	5.08	5.56		# of strides	10.78	10.64	0.14
			velocity	8.45	10.29	9.84	8.99	9.34	99.2	9.28	9.40
<b>Shiraishi, Kirara (JPN) (1996)</b>	time		5.86	10.65	16.32	28.81	28.81	5 / 8			
	reaction time	0.137	interval	4.79	5.67	12.49		# of strides	10.65	18.16	-7.51
			velocity	8.53	10.44	8.82	4.00	6.94		9.39	5.51

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

### A FINAL

		date	wind	1.9 m/s	<i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Itsuki, Saito (JPN)</b>	time			11.03	16.14	21.45	21.45	7 / 1			
	reaction time			interval	5.11	5.31		# of strides	11.03	10.42	0.61
				velocity	9.07	9.78	9.42	9.32		9.07	9.60
<b>Matsuura, Taiga (JPN) (2002)</b>	time			11.18	16.28	21.65	21.65	6 / 2			
	reaction time			interval	5.10	5.37		# of strides	11.18	10.47	0.71
				velocity	8.94	9.80	9.31	9.24		8.94	9.55
<b>Watanabe, Sho (2003)</b>	time			11.31	16.60	22.15	22.15	2 / 3			
	reaction time			interval	5.29	5.55		# of strides	11.31	10.84	0.47
				velocity	8.84	9.45	9.01	9.03		8.84	9.23
<b>Shosei, Kadoya (JPN)</b>	time			11.42	16.79	22.26	22.26	4 / 4			
	reaction time			interval	5.37	5.47		# of strides	11.42	10.84	0.58
				velocity	8.76	9.31	9.14	8.98		8.76	9.23
<b>Yoshichi, Sota (JPN)</b>	time			11.34	16.66	22.32	22.32	5 / 5			
	reaction time			interval	5.32	5.66		# of strides	11.34	10.98	0.36
				velocity	8.82	9.40	8.83	8.96		8.82	9.11
<b>Arai, Yuta (JPN)</b>	time			11.35	16.77	22.55	22.55	8 / 6			
	reaction time			interval	5.42	5.78		# of strides	11.35	11.20	0.15
				velocity	8.81	9.23	8.65	8.87		8.81	8.93

### B FINAL

		date	wind	2.4 m/s	<i>Shimizu (2020) - shimane high school championships 2020 - biomechanics data analysis</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Makihara, Kazushi (JPN)</b>	time			11.54	16.90	22.46	22.46	5 / 1			
	reaction time			interval	5.36	5.56		# of strides	11.54	10.92	0.62
				velocity	8.67	9.33	8.99	8.90		8.67	9.16

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

<b>Hisayoshi, Itsumi (JPN)</b>	time	11.63	17.13	22.90	22.90	7 / 2			
reaction time	interval		5.50	5.77		# of strides	11.63	11.27	0.36
	velocity	8.60	9.09	8.67	8.73		8.60	8.87	

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

### U20 FINAL

	date	20-Oct-19	wind	-1.2 m/s	<i>Kijima (2019) - research on athlete performance and technique- 2019 data book</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ha, Sawa (JPN)</b>	time		5.92	10.62	15.65	21.00	21.00	6 / 1			
reaction time	0.177	interval		4.70	5.03	5.35		# of strides	10.62	10.38	0.24
		velocity	8.45	10.64	9.94	9.35	9.52	98.5	9.42	9.63	
<b>Miura, Reona (JPN) (2000)</b>	time		5.99	10.79	15.84	21.27	21.27	3 / 2			
reaction time	0.161	interval		4.80	5.05	5.43		# of strides	10.79	10.48	0.31
		velocity	8.35	10.42	9.90	9.21	9.40	94.2	9.27	9.54	
<b>Hashi, Tetsuya (JPN)</b>	time		6.01	10.79	15.90	21.40	21.40	8 / 3			
reaction time	0.188	interval		4.78	5.11	5.50		# of strides	10.79	10.61	0.18
		velocity	8.32	10.46	9.78	9.09	9.35	95.0	9.27	9.43	
<b>Kimura, Futa (JPN)</b>	time		6.02	10.82	15.93	21.47	21.47	5 / 4			
reaction time	0.143	interval		4.80	5.11	5.54		# of strides	10.82	10.65	0.17
		velocity	8.31	10.42	9.78	9.03	9.32	97.2	9.24	9.39	
<b>Kitaura, Minoru (JPN)</b>	time		6.13	11.03	16.09	21.50	21.50	2 / 5			
reaction time	0.147	interval		4.90	5.06	5.41		# of strides	11.03	10.47	0.56
		velocity	8.16	10.20	9.88	9.24	9.30	93.0	9.07	9.55	
<b>Yamata, Kota (JPN)</b>	time		6.10	11.00	16.14	21.61	21.61	7 / 6			
reaction time	0.144	interval		4.90	5.14	5.47		# of strides	11.00	10.61	0.39
		velocity	8.20	10.20	9.73	9.14	9.25	96.0	9.09	9.43	
<b>Yamaguchi, Rin (JPN) (2001)</b>	time		6.16	11.09	16.20	21.63	21.63	1 / 7			
reaction time	0.160	interval		4.93	5.11	5.43		# of strides	11.09	10.54	0.55
		velocity	8.12	10.14	9.78	9.21	9.25	97.0	9.02	9.49	
<b>Kimura, Ryo (JPN) (2001)</b>	time		6.09	10.95	16.08	21.67	21.67	4 / 8			
reaction time	0.169	interval		4.86	5.13	5.59		# of strides	10.95	10.72	0.23
		velocity	8.21	10.29	9.75	8.94	9.23	94.2	9.13	9.33	

### U18 FINAL

	date	20-Oct-19	wind	-0.5 m/s	<i>Kijima (2019) - research on athlete performance and technique- 2019 data book</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Izawa, Makoto (JPN) (2002)</b>	time		5.99	10.85	15.93	21.32	21.32	5 / 1			
reaction time	0.169	interval		4.86	5.08	5.39		# of strides	10.85	10.47	0.38
		velocity	8.35	10.29	9.84	9.28	9.38	98.2	9.22	9.55	
<b>Kinoshita, Yuichi (JPN) (2002)</b>	time		6.12	10.97	16.03	21.41	21.41	3 / 2			
reaction time	0.183	interval		4.85	5.06	5.38		# of strides	10.97	10.44	0.53
		velocity	8.17	10.31	9.88	9.29	9.34	96.0	9.12	9.58	
<b>Kato, Shinnosuke (JPN) (2002)</b>	time		6.07	10.93	16.04	21.49	21.49	4 / 3			
reaction time	0.151	interval		4.86	5.11	5.45		# of strides	10.93	10.56	0.37
		velocity	8.24	10.29	9.78	9.17	9.31	97.2	9.15	9.47	
<b>Shimada, Shin (JPN)</b>	time		6.09	10.97	16.01	21.53	21.53	6 / 4			
reaction time	0.170	interval		4.88	5.04	5.52		# of strides	10.97	10.56	0.41
		velocity	8.21	10.25	9.92	9.06	9.29	101.2	9.12	9.47	
<b>Yousho, Nakasho (JPN)</b>	time		6.04	10.94	16.14	21.67	21.67	7 / 5			
reaction time	0.154	interval		4.90	5.20	5.53		# of strides	10.94	10.73	0.21
		velocity	8.28	10.20	9.62	9.04	9.23	94.2	9.14	9.32	
<b>Inoue, Futoshi (JPN)</b>	time		6.18	11.14	16.24	21.71	21.71	8 / 6			
reaction time	0.174	interval		4.96	5.10	5.47		# of strides	11.14	10.57	0.57
		velocity	8.09	10.08	9.80	9.14	9.21	93.0	8.98	9.46	

<b>Watanabe, Isamu (JPN)</b>	time	6.10	11.08	16.25	21.76	21.76	1 / 7			
reaction time	0.140	interval	4.98	5.17	5.51		# of strides	11.08	10.68	0.40
		velocity	8.20	10.04	9.67	9.07	9.19	96.5	9.03	9.36
<b>Matsumoto, Biokawa (JPN)</b>	time	6.16	11.14	16.33	21.89	21.89	2 / 8			
reaction time	0.143	interval	4.98	5.19	5.56		# of strides	11.14	10.75	0.39
		velocity	8.12	10.04	9.63	8.99	9.14	93.0	8.98	9.30

## 2019 IAAF World Championships (Doha, QAT)

### FINAL

	date	01-Oct-19	wind	0.3 m/s	<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Lyles, Noah (USA) (1997)</b>	time		5.83	10.32	14.89	19.83	19.83	5 / 1			
reaction time	0.168	interval		4.49	4.57	4.94		# of strides	10.32	9.51	0.81
		velocity	8.58	11.14	10.94	10.12	10.09	88.7	9.69	10.52	
<b>de Grasse, Andre (CAN) (1994)</b>	time		5.79	10.29	14.96	19.95	19.95	7 / 2			
reaction time	0.168	interval		4.50	4.67	4.99		# of strides	10.29	9.66	0.63
		velocity	8.64	11.11	10.71	10.02	10.03	90.7	9.72	10.35	
<b>Quiñónez, Alex (ECU) (1989)</b>	time		5.91	10.45	15.07	19.98	19.98	4 / 3			
reaction time	0.189	interval		4.54	4.62	4.91		# of strides	10.45	9.53	0.92
		velocity	8.46	11.01	10.82	10.18	10.01	88.7	9.57	10.49	
<b>Gemili, Adam (GBR) (1993)</b>	0.158		no information available				20.03	6 / 4		# of strides	91.7
<b>Guliyev, Ramil (TUR) (1990)</b>	0.164		no information available				20.07	9 / 5		# of strides	88.0
<b>Brown, Aaron (CAN) (1992)</b>	0.163		no information available				20.10	3 / 6		# of strides	91.0
<b>Xie Zhenye (CHN) (1993)</b>	0.161		no information available				20.14	2 / 7		# of strides	89.7
<b>Greaux, Kyle (TTO) (1988)</b>	0.170		no information available				20.39	8 / 8		# of strides	88.5

### Heat 6

	date	29-Sep-19	wind	0.9 m/s	<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Shiraishi, Kirara (JPN) (1996)</b>	time		5.82	10.46	15.31	20.62	20.62	4 / 5			
reaction time	0.164	interval		4.64	4.85	5.31		# of strides	10.46	10.16	0.30
		velocity	8.59	10.78	10.31	9.42	9.70	93.0	9.56	9.84	

### Heat 5

	date	29-Sep-19	wind	1.0 m/s	<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Yamashita, Jun (JPN) (1997)</b>	time		5.87	10.50	15.31	20.62	20.62	8 / 5			
reaction time	0.139	interval		4.63	4.81	5.31		# of strides	10.50	10.12	0.38
		velocity	8.52	10.80	10.40	9.42	9.70	86.5	9.52	9.88	

### Heat 2

	date	29-Sep-19	wind	0.5 m/s	<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Koike, Yuki (JPN) (1995)</b>	time		5.85	10.44	15.22	20.46	20.46	8 / 4			
reaction time	0.167	interval		4.59	4.78	5.24		# of strides	10.44	10.02	0.42
		velocity	8.55	10.89	10.46	9.54	9.78	96.5	9.58	9.98	

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

### FINAL

	date	10-Sep-19	wind	-0.1 m/s	<i>European Athletics (2019) - race analysis</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Guliyev, Ramil (TUR) (1990)</b>	time			10.52		20.16	20.16	5 / 1			
reaction time	0.156	interval				9.64		# of strides	10.52	9.64	0.88
		velocity		9.51		10.37	9.92	88.5	9.51	10.37	
<b>Desalu, Eseosa (ITA) (1994)</b>	time			10.67		20.66	20.66	7 / 2			
reaction time	0.181	interval				9.99		# of strides	10.67	9.99	0.68
		velocity		9.37		10.01	9.68	90.5	9.37	10.01	
<b>King, Kyree (USA) (1994)</b>	time			10.69		20.83	20.83	8 / 3			
reaction time	0.177	interval				10.14		# of strides	10.69	10.14	0.55
		velocity		9.35		9.86	9.60	90.2	9.35	9.86	
<b>Trimble, Jamiel (USA) (1995)</b>	time			10.72		20.88	20.88	4 / 4			
reaction time	0.157	interval				10.16		# of strides	10.72	10.16	0.56
		velocity		9.33		9.84	9.58	94.7	9.33	9.84	

<b>McClain, Remontay (USA) (1997)</b>	time	10.76	20.98	20.98	2 / 5				
reaction time	0.147	interval	10.22		# of strides	10.76	10.22	0.54	
		velocity	9.29	9.78	9.53	91.2	9.29	9.78	
<b>Kilty, Richard (GBR) (1989)</b>	time	10.70	21.04	21.04	9 / 6				
reaction time	0.129	interval	10.34		# of strides	10.70	10.34	0.36	
		velocity	9.35	9.67	9.51	99.7	9.35	9.67	
<b>Rowe, Rodney (USA) (1997)</b>	time	10.75	21.05	21.05	6 / 7				
reaction time	0.134	interval	10.30		# of strides	10.75	10.30	0.45	
		velocity	9.30	9.71	9.50	92.7	9.30	9.71	
<b>Lawler, Marcus (IRL) (1995)</b>	time	10.73	21.14	21.14	3 / 8				
reaction time	0.162	interval	10.41		# of strides	10.73	10.41	0.32	
		velocity	9.32	9.61	9.46	96.0	9.32	9.61	

### 2019 Memorial van Damme (Brussels, BEL)

#### FINAL

		date	06-Sep-19	wind	0.8 m/s	Omega Timing (2019) - diamond league race analysis								
						50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time					5.9	10.4	14.9	19.74	19.74	7 / 1			
reaction time	0.167	interval				4.5	4.5	4.84			# of strides	10.40	9.34	1.06
		velocity				8.47	11.11	11.11	10.33	10.13	85.5	9.62	10.71	
<b>Guliyev, Ramil (TUR) (1990)</b>	time					5.8	10.3	14.9	19.86	19.86	5 / 2			
reaction time	0.153	interval				4.5	4.6	4.96			# of strides	10.30	9.56	0.74
		velocity				8.62	11.11	10.87	10.08	10.07	87.5	9.71	10.46	
<b>de Grasse, Andre (CAN) (1994)</b>	time					5.8	10.4	15.0	19.87	19.87	6 / 3			
reaction time	0.105	interval				4.6	4.6	4.87			# of strides	10.40	9.47	0.93
		velocity				8.62	10.87	10.87	10.27	10.07	89.7	9.62	10.56	
<b>Brown, Aaron (CAN) (1992)</b>	time					5.8	10.4	15.0	20.00	20.00	4 / 4			
reaction time	0.144	interval				4.6	4.6	5.00			# of strides	10.40	9.60	0.80
		velocity				8.62	10.87	10.87	10.00	10.00	88.2	9.62	10.42	
<b>Quiñónez, Alex (ECU) (1989)</b>	time					6.0	10.6	15.3	20.25	20.25	3 / 5			
reaction time	0.203	interval				4.6	4.7	4.95			# of strides	10.60	9.65	0.95
		velocity				8.33	10.87	10.64	10.10	9.88	88.5	9.43	10.36	
<b>Vanderbemden, Robin (BEL) (1994)</b>	time					5.9	10.5	15.4	20.51	20.51	9 / 6			
reaction time	0.128	interval				4.6	4.9	5.11			# of strides	10.50	10.01	0.49
		velocity				8.47	10.87	10.20	9.78	9.75	94.0	9.52	9.99	
<b>Richards, Jereem (TTO) (1994)</b>	time					6.0	10.6	15.4	20.53	20.53	8 / 7			
reaction time	0.135	interval				4.6	4.8	5.13			# of strides	10.60	9.93	0.67
		velocity				8.33	10.87	10.42	9.75	9.74	87.7	9.43	10.07	
<b>Baloyes, Bernardo (COL) (1994)</b>	time					6.1	10.8	15.7	20.92	20.92	2 / <del>8</del>			
reaction time	0.151	interval				4.7	4.9	5.22		<b>DQ</b>	# of strides	10.80	10.12	0.68
		velocity				8.20	10.64	10.20	9.58	9.56	90.0	9.26	9.88	
<b>Edward, Alonso (PAN) (1989)</b>	time					6.0	10.8	16.8	28.80	28.80	1 / <del>8</del>			
reaction time	0.130	interval				4.8	6.0	12.00			# of strides	10.80	18.00	-7.20
		velocity				8.33	10.42	8.33	4.17	6.94		9.26	5.56	

### 2019 Meeting de Paris (Paris, FRA)

#### FINAL

		date	24-Aug-19	wind	0.2 m/s	Omega Timing (2019) - diamond league race analysis								
						50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time					5.9	10.3	14.8	19.65	19.65	6 / 1			
reaction time	0.166	interval				4.4	4.5	4.85			# of strides	10.30	9.35	0.95
		velocity				8.47	11.36	11.11	10.31	10.18	86.0	9.71	10.70	
<b>Guliyev, Ramil (TUR) (1990)</b>	time					5.9	10.5	15.1	20.01	20.01	4 / 2			
reaction time	0.148	interval				4.6	4.6	4.91			# of strides	10.50	9.51	0.99

	velocity	8.47	10.87	10.87	10.18	10.00	88.0	9.52	10.52	
<b>Brown, Aaron (CAN) (1992)</b>	time	5.9	10.5	15.2	20.13	20.13	3 / 3			
reaction time	0.141 interval		4.6	4.7	4.93		# of strides	10.50	9.63	0.87
	velocity	8.47	10.87	10.64	10.14	9.94	88.5	9.52	10.38	
<b>Quiñónez, Alex (ECU) (1989)</b>	time	6.0	10.6	15.3	20.25	20.25	5 / 4			
reaction time	0.198 interval		4.6	4.7	4.95		# of strides	10.60	9.65	0.95
	velocity	8.33	10.87	10.64	10.10	9.88	89.0	9.43	10.36	
<b>Lemaitre, Christophe (FRA) (1992)</b>	time	5.9	10.6	15.4	20.40	20.40	7 / 5			
reaction time	0.144 interval		4.7	4.8	5.00		# of strides	10.60	9.80	0.80
	velocity	8.47	10.64	10.42	10.00	9.80	83.0	9.43	10.20	
<b>Oduduru, Divine (NGR) (1996)</b>	time	5.8	10.4	15.2	20.50	20.50	2 / 6			
reaction time	0.146 interval		4.6	4.8	5.30		# of strides	10.40	10.10	0.30
	velocity	8.62	10.87	10.42	9.43	9.76	85.0	9.62	9.90	
<b>Zeze, Mickael-Méba (FRA) (1992)</b>	time	5.9	10.6	15.6	20.88	20.88	1 / 7			
reaction time	0.147 interval		4.7	5.0	5.28		# of strides	10.60	10.28	0.32
	velocity	8.47	10.64	10.00	9.47	9.58	92.2	9.43	9.73	

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

#### FINAL

date 07-Aug-19 wind 2.1 m/s ) - 72nd high school championships: JAF scientific committee - biomechanics data collection

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Uzawa, Towa (JPN) (2002)</b>	time	5.89	10.44	15.21	20.36	20.36	6 / 1			
reaction time	interval		4.55	4.77	5.15		# of strides	10.44	9.92	0.52
	velocity	8.49	10.99	10.48	9.71	9.82		9.58	10.08	
<b>Kimura, Ryo (JPN) (2001)</b>	time	5.96	10.64	15.50	20.81	20.81	5 / 2			
reaction time	interval		4.68	4.86	5.31		# of strides	10.64	10.17	0.47
	velocity	8.39	10.68	10.29	9.42	9.61		9.40	9.83	
<b>Kimura, Sota (JPN) (2001)</b>	time	6.04	10.76	15.69	21.03	21.03	8 / 3			
reaction time	interval		4.72	4.93	5.34		# of strides	10.76	10.27	0.49
	velocity	8.28	10.59	10.14	9.36	9.51		9.29	9.74	
<b>Yamaguchi, Rin (JPN) (2001)</b>	time	6.09	10.91	15.86	21.12	21.12	3 / 4			
reaction time	interval		4.82	4.95	5.26		# of strides	10.91	10.21	0.70
	velocity	8.21	10.37	10.10	9.51	9.47		9.17	9.79	
<b>Hideshima, Rai (JPN) (2001)</b>	time	6.00	10.83	15.79	21.13	21.13	4 / 5			
reaction time	interval		4.83	4.96	5.34		# of strides	10.83	10.30	0.53
	velocity	8.33	10.35	10.08	9.36	9.47		9.23	9.71	
<b>Uno, Katsusho (JPN) (2001)</b>	time	6.10	10.89	15.89	21.22	21.22	1 / 6			
reaction time	interval		4.79	5.00	5.33		# of strides	10.89	10.33	0.56
	velocity	8.20	10.44	10.00	9.38	9.43		9.18	9.68	
<b>Nakamura, Shota (JPN) (2001)</b>	time	6.05	10.85	15.89	21.26	21.26	2 / 7			
reaction time	interval		4.80	5.04	5.37		# of strides	10.85	10.41	0.44
	velocity	8.26	10.42	9.92	9.31	9.41		9.22	9.61	
<b>Ono, Mia (JPN) (2002)</b>	time	6.15	11.07		29.62	29.62	7 / 8			
reaction time	interval		4.92		18.55		# of strides	11.07	18.55	-7.48
	velocity	8.13	10.16		5.39	6.75		9.03	5.39	

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

#### FINAL

date 03-Aug-19 wind 0.0 m/s Jiang (2019) - data analysis men's sprint finals the world championships trials

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Xie Zhenye (CHN) (1993)</b>	time	5.91	10.45	15.27	20.34	20.34	6 / 1			
reaction time	interval		4.54	4.82	5.07		# of strides	10.45	9.89	0.56
	velocity	8.46	11.01	10.37	9.86	9.83		9.57	10.11	
<b>Liang Jinsheng (CHN) (1996)</b>	time	6.00	10.58	15.50	20.66	20.66	5 / 2			

reaction time	interval	4.58	4.92	5.16		# of strides	10.58	10.08	0.50
	velocity	8.33	10.92	10.16	9.69	9.68	9.45	9.92	
<b>Sheng Chao (CHN) (1996)</b>	time	6.09	10.89	15.70	20.93	20.93	8 / 3		
reaction time	interval	4.80	4.81	5.23		# of strides	10.89	10.04	0.85
	velocity	8.21	10.42	10.40	9.56	9.56	9.18	9.96	
<b>Luo Wenyi (CHN) (1998)</b>	time	5.98	10.61	15.60	20.99	20.99	7 / 4		
reaction time	interval	4.63	4.99	5.39		# of strides	10.61	10.38	0.23
	velocity	8.36	10.80	10.02	9.28	9.53	9.43	9.63	
<b>Bie Ge (CHN) (1992)</b>	time	6.05	10.70	15.73	21.20	21.20	3 / 5		
reaction time	interval	4.65	5.03	5.47		# of strides	10.70	10.50	0.20
	velocity	8.26	10.75	9.94	9.14	9.43	9.35	9.52	
<b>Yan Haibin (CHN) (2003)</b>	time	6.12	10.89	15.97	21.28	21.28	1 / 6		
reaction time	interval	4.77	5.08	5.31		# of strides	10.89	10.39	0.50
	velocity	8.17	10.48	9.84	9.42	9.40	9.18	9.62	
<b>Xu Renyu (CHN) (2000)</b>	time	6.11	10.95	16.17	21.66	21.66	2 / 7		
reaction time	interval	4.84	5.22	5.49		# of strides	10.95	10.71	0.24
	velocity	8.18	10.33	9.58	9.11	9.23	9.13	9.34	

## 2019 Athletissima (Lausanne, SUI)

### FINAL

date		05-Jul-19	wind	-0.1 m/s	Omega Timing (2019) - diamond league race analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lyles, Noah (USA) (1997)</b>	time		5.8	10.2	14.8	19.50	19.50	7 / 1			
reaction time	0.147	interval	4.4	4.6	4.70	<b>PB</b>	# of strides	10.20	9.30	0.90	
		velocity	8.62	11.36	10.87	10.64	10.26	85.2	9.80	10.75	
<b>Quiñónez, Alex (ECU) (1989)</b>	time		6.0	10.4	15.0	19.87	19.87	8 / 2			
reaction time	0.170	interval	4.4	4.6	4.87	<b>AR</b>	# of strides	10.40	9.47	0.93	
		velocity	8.33	11.36	10.87	10.27	10.07	88.0	9.62	10.56	
<b>de Grasse, Andre (CAN) (1994)</b>	time		5.8	10.3	15.0	19.92	19.92	5 / 3			
reaction time	0.119	interval	4.5	4.7	4.92		# of strides	10.30	9.62	0.68	
		velocity	8.62	11.11	10.64	10.16	10.04	88.0	9.71	10.40	
<b>Brown, Aaron (CAN) (1992)</b>	time		5.9	10.5	15.1	19.95	19.95	3 / 4			
reaction time	0.137	interval	4.6	4.6	4.85	<b>PB</b>	# of strides	10.50	9.45	1.05	
		velocity	8.47	10.87	10.87	10.31	10.03	88.2	9.52	10.58	
<b>Guliyev, Ramil (TUR) (1990)</b>	time		5.9	10.4	15.1	20.01	20.01	4 / 5			
reaction time	0.130	interval	4.5	4.7	4.91		# of strides	10.40	9.61	0.79	
		velocity	8.47	11.11	10.64	10.18	10.00	88.0	9.62	10.41	
<b>Wilson, Alex (SUI) (1990)</b>	time		5.9	10.4	15.2	20.29	20.29	6 / 6			
reaction time	0.126	interval	4.5	4.8	5.09		# of strides	10.40	9.89	0.51	
		velocity	8.47	11.11	10.42	9.82	9.86	87.5	9.62	10.11	
<b>Xie Zhenye (CHN) (1993)</b>	time		5.9	10.5	15.2	20.32	20.32	1 / 7			
reaction time	0.147	interval	4.6	4.7	5.12		# of strides	10.50	9.82	0.68	
		velocity	8.47	10.87	10.64	9.77	9.84	90.7	9.52	10.18	
<b>Siame, Sydney (ZAM) (1997)</b>	time		5.9	10.5	15.4	20.47	20.47	2 / 8			
reaction time	0.147	interval	4.6	4.9	5.07		# of strides	10.50	9.97	0.53	
		velocity	8.47	10.87	10.20	9.86	9.77	95.0	9.52	10.03	

## 2019 Japanese National Championships (Fukuoka, JPN)

### FINAL

date		30-Jun-19	wind	-1.3 m/s	Yamanaka (2019) - research on athlete performance and technique- 2019 data book						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sani Brown, Abdul Hakim (JPN)</b>	time		5.73	10.32	15.16	20.35	20.35	4 / 1			
reaction time	0.175	interval	4.59	4.84	5.19		# of strides	10.32	10.03	0.29	
		velocity	8.73	10.89	10.33	9.63	9.83	87.0	9.69	9.97	

<b>Koike, Yuki (JPN) (1995)</b>	time	5.80	10.38	15.20	20.48	20.48	5 / 2				
	reaction time	0.162						# of strides	10.38	10.10	0.28
	interval velocity		4.58	4.82	5.28				9.63	9.90	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	5.82	10.47	15.31	20.54	20.54	9 / 3				
	reaction time	0.153						# of strides	10.47	10.07	0.40
	interval velocity		4.65	4.84	5.23				9.55	9.93	
<b>Shiraishi, Kirara (JPN) (1996)</b>	time	5.83	10.46	15.38	20.80	20.80	7 / 4				
	reaction time	0.160						# of strides	10.46	10.34	0.12
	interval velocity		4.63	4.92	5.42				9.56	9.67	
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.84	10.48	15.39	20.83	20.83	6 / 5				
	reaction time	0.142						# of strides	10.48	10.35	0.13
	interval velocity		4.64	4.91	5.44				9.54	9.66	
<b>Tamura, Tomoya (JPN) (1992)</b>	time	5.98	10.69	15.65	21.06	21.06	8 / 6				
	reaction time	0.163						# of strides	10.69	10.37	0.32
	interval velocity		4.71	4.96	5.41				9.35	9.64	
<b>Hashimoto, Akiyuki (JPN) (1994)</b>	time	5.92	10.72	15.78	21.13	21.13	2 / 7				
	reaction time	0.152						# of strides	10.72	10.41	0.31
	interval velocity		4.80	5.06	5.35				9.33	9.61	
<b>Someya, Yoshihiro (JPN) (1998)</b>	time	5.93	10.67	15.69	21.22	21.22	3 / 8				
	reaction time	0.148						# of strides	10.67	10.55	0.12
	interval velocity		4.74	5.02	5.53				9.37	9.48	

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

#### FINAL

		date	26-May-19	wind	0.8 m/s	Shimizu (2019) - shimane high school championships 2019 - biomechanics data analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Shosei, Kadoya (JPN)</b>	time			11.46	16.65	22.05	22.05	7 / 1				
	reaction time				5.19	5.40			# of strides	11.46	10.59	0.87
	interval velocity			8.73	9.63	9.26	9.07			8.73	9.44	
<b>Fukuda, Ryota (JPN) (2001)</b>	time			11.37	16.64	22.18	22.18	4 / 2				
	reaction time				5.27	5.54			# of strides	11.37	10.81	0.56
	interval velocity			8.80	9.49	9.03	9.02			8.80	9.25	
<b>Saito, Jono (JPN)</b>	time			11.60	16.92	22.48	22.48	6 / 3				
	reaction time				5.32	5.56			# of strides	11.60	10.88	0.72
	interval velocity			8.62	9.40	8.99	8.90			8.62	9.19	
<b>Sato, Ayato (JPN)</b>	time			11.77	17.07	22.63	22.63	3 / 4				
	reaction time				5.30	5.56			# of strides	11.77	10.86	0.91
	interval velocity			8.50	9.43	8.99	8.84			8.50	9.21	
<b>Matsunao, Tsubasa (JPN)</b>	time			11.64	16.95	22.63	22.63	8 / 5				
	reaction time				5.31	5.68			# of strides	11.64	10.99	0.65
	interval velocity			8.59	9.42	8.80	8.84			8.59	9.10	
<b>Hirose, Riku (JPN)</b>	time			11.69	17.12	22.89	22.89	5 / 6				
	reaction time				5.43	5.77			# of strides	11.69	11.20	0.49
	interval velocity			8.55	9.21	8.67	8.74			8.55	8.93	
<b>Murayama, Hibiki (JPN)</b>	time			11.92	17.35	22.97	22.97	2 / 7				
	reaction time				5.43	5.62			# of strides	11.92	11.05	0.87
	interval velocity			8.39	9.21	8.90	8.71			8.39	9.05	
<b>Inoue, Sosuke (JPN)</b>	time			11.79	17.31	23.14	23.14	9 / 8				
	reaction time				5.52	5.83			# of strides	11.79	11.35	0.44
	interval velocity			8.48	9.06	8.58	8.64			8.48	8.81	

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

#### FINAL

date 19-May-19 wind -0.4 m/s

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

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



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Norman, Michael (USA) (1997)</b>	time	5.67	10.14	14.85	19.84	19.84	6 / 1			
	reaction time	0.156								
	interval		4.47	4.71	4.99	=PB	# of strides	10.14	9.70	0.44
	velocity	8.82	11.19	10.62	10.02	10.08	86.0	9.86	10.31	
<b>Yang Chun-Han (TPE) (1997)</b>	time	5.79	10.45	15.35	20.50	20.50	3 / 2			
	reaction time	0.146								
	interval		4.66	4.90	5.15		# of strides	10.45	10.05	0.40
	velocity	8.64	10.73	10.20	9.71	9.76	93.0	9.57	9.95	
<b>Belcher, Christopher (USA) (1997)</b>	time	5.77	10.33	15.25	20.57	20.57	8 / 3			
	reaction time	0.166								
	interval		4.56	4.92	5.32		# of strides	10.33	10.24	0.09
	velocity	8.67	10.96	10.16	9.40	9.72	96.0	9.68	9.77	
<b>Jobodwana, Anaso (RSA) (1997)</b>	time	5.82	10.45	15.35	20.69	20.69	5 / 4			
	reaction time	0.125								
	interval		4.63	4.90	5.34		# of strides	10.45	10.24	0.21
	velocity	8.59	10.80	10.20	9.36	9.67	91.0	9.57	9.77	
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.80	10.40	15.34	20.75	20.75	9 / 5			
	reaction time	0.145								
	interval		4.60	4.94	5.41		# of strides	10.40	10.35	0.05
	velocity	8.62	10.87	10.12	9.24	9.64	89.0	9.62	9.66	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.86	10.53	15.49	20.76	20.76	7 / 6			
	reaction time	0.148								
	interval		4.67	4.96	5.27		# of strides	10.53	10.23	0.30
	velocity	8.53	10.71	10.08	9.49	9.63	93.0	9.50	9.78	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.91	10.62	15.57	20.85	20.85	4 / 7			
	reaction time	0.148								
	interval		4.71	4.95	5.28		# of strides	10.62	10.23	0.39
	velocity	8.46	10.62	10.10	9.47	9.59	92.0	9.42	9.78	
<b>Someya, Yoshihiro (JPN) (1998)</b>	time	5.85	10.59	15.60	20.89	20.89	2 / 8			
	reaction time	0.148								
	interval		4.74	5.01	5.29		# of strides	10.59	10.30	0.29
	velocity	8.55	10.55	9.98	9.45	9.57	90.5	9.44	9.71	
<b>Hara, Shota (JPN) (1992)</b>	time	5.81	10.55	15.58	21.03	21.03	1 / 9			
	reaction time	0.148								
	interval		4.74	5.03	5.45		# of strides	10.55	10.48	0.07
	velocity	8.61	10.55	9.94	9.17	9.51	96.5	9.48	9.54	

### 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)

A FINAL		date	03-May-19	wind	0.5 m/s	<i>Kobayashi (2019) - research on athlete performance and technique- 2019 data book</i>				
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Someya, Yoshihiro (JPN) (1998)</b>	time	5.93	10.66	15.60	20.91	20.91	2 / 2			
	reaction time									
	interval		4.73	4.94	5.31		# of strides	10.66	10.25	0.41
	velocity	8.43	10.57	10.12	9.42	9.56	91.0	9.38	9.76	
<b>Naoki, Masafumi (JPN) (1993)</b>	time	5.94	10.68	15.65	20.99	20.99	4 / 3			
	reaction time									
	interval		4.74	4.97	5.34		# of strides	10.68	10.31	0.37
	velocity	8.42	10.55	10.06	9.36	9.53	90.0	9.36	9.70	
<b>Imoto, Yoshinobu (JPN) (1999)</b>	time	5.95	10.70	15.67	20.99	20.99	5 / 4			
	reaction time									
	interval		4.75	4.97	5.32		# of strides	10.70	10.29	0.41
	velocity	8.40	10.53	10.06	9.40	9.53	100.0	9.35	9.72	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.98	10.67	15.66	21.01	21.01	8 / 5			
	reaction time									
	interval		4.69	4.99	5.35		# of strides	10.67	10.34	0.33
	velocity	8.36	10.66	10.02	9.35	9.52	93.2	9.37	9.67	
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.96	10.72	15.66	21.05	21.05	7 / 7			
	reaction time									
	interval		4.76	4.94	5.39		# of strides	10.72	10.33	0.39
	velocity	8.39	10.50	10.12	9.28	9.50	89.5	9.33	9.68	
B FINAL		date	03-May-19	wind	-0.2 m/s	<i>Kobayashi (2019) - research on athlete performance and technique- 2019 data book</i>				
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hara, Shota (JPN) (1992)</b>	time	5.87	10.61	15.64	20.97	20.97	6 / 2			
	reaction time									
	interval		4.74	5.03	5.33		# of strides	10.61	10.36	0.25
	velocity	8.52	10.55	9.94	9.38	9.54	94.2	9.43	9.65	

<b>Kitagawa, Sho (JPN) (1995)</b>	time	5.90	10.63	15.68	21.10	21.10	3 / 4			
reaction time	interval		4.73	5.05	5.42		# of strides	10.63	10.47	0.16
	velocity	8.47	10.57	9.90	9.23	9.48	90.5	9.41	9.55	

<b>C FINAL</b>	date	03-May-19	wind	0.6 m/s	<i>Kobayashi (2019) - research on athlete performance and technique- 2019 data book</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Shiraishi, Kirara (JPN) (1996)</b>	time	5.86	10.46	15.36	20.68	20.68	2 / 1				
reaction time	interval		4.60	4.90	5.32	<b>PB</b>	# of strides	10.46	10.22	0.24	
	velocity	8.53	10.87	10.20	9.40	9.67	93.0	9.56	9.78		
<b>Yasuda, Keigo (JPN) (2000)</b>	time	5.96	10.66	15.64	21.08	21.06	9 / 2				
reaction time	interval		4.70	4.98	5.44		# of strides	10.66	10.42	0.24	
	velocity	8.39	10.64	10.04	9.19	9.50	90.7	9.38	9.60		

### 2019 Asian Athletics Championships (Doha, QAT)

<b>FINAL</b>	date	24-Apr-19	wind	1.7 m/s	<i>Takahashi (2019) - race analysis top 200m athletes- domestic and international</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Koike, Yuki (JPN) (1995)</b>	time	5.83	10.45	15.27	20.55	20.55	6 / 2				
reaction time	0.160 interval		4.62	4.82	5.28		# of strides	10.45	10.10	0.35	
	velocity	8.58	10.82	10.37	9.47	9.73	96.0	9.57	9.90		

### 2018 Japanese National Junior (U20) Championships (Nagano, JPN)

<b>FINAL</b>	date	21-Oct-18	wind	0.5 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Imoto, Yoshinobu (JPN) (1999)</b>	time	6.00	10.76	15.70	20.94	20.94	6 / 1				
reaction time	0.147 interval		4.76	4.94	5.24		# of strides	10.76	10.18	0.58	
	velocity	8.33	10.50	10.12	9.54	9.55	99.0	9.29	9.82		
<b>Yasuda, Keigo (JPN) (2000)</b>	time	5.97	10.71	15.70	21.04	21.04	4 / 2				
reaction time	0.142 interval		4.74	4.99	5.34		# of strides	10.71	10.33	0.38	
	velocity	8.38	10.55	10.02	9.36	9.51	91.7	9.34	9.68		
<b>Kaneda, Riki (JPN) (2000)</b>	time	6.09	10.93	15.90	21.20	21.20	2 / 3				
reaction time	0.158 interval		4.84	4.97	5.30		# of strides	10.93	10.27	0.66	
	velocity	8.21	10.33	10.06	9.43	9.43	88.5	9.15	9.74		
<b>Yamaji, Kotaro (JPN) (2000)</b>	time	6.21	11.06	16.04	21.24	21.24	5 / 4				
reaction time	0.177 interval		4.85	4.98	5.20		# of strides	11.06	10.18	0.88	
	velocity	8.05	10.31	10.04	9.62	9.42	94.5	9.04	9.82		
<b>Ueyama, Koki (JPN) (1999)</b>	time	6.08	10.87	15.86	21.25	21.25	8 / 5				
reaction time	0.152 interval		4.79	4.99	5.39		# of strides	10.87	10.38	0.49	
	velocity	8.22	10.44	10.02	9.28	9.41	90.7	9.20	9.63		
<b>Ashida, Shuhei (JPN) (1999)</b>	time	6.16	10.99	15.96	21.25	21.25	7 / 6				
reaction time	0.151 interval		4.83	4.97	5.29		# of strides	10.99	10.26	0.73	
	velocity	8.12	10.35	10.06	9.45	9.41	88.0	9.10	9.75		
<b>Miura, Reona (JPN) (2000)</b>	time	6.07	10.84	15.89	21.38	21.38	3 / 7				
reaction time	0.155 interval		4.77	5.05	5.49		# of strides	10.84	10.54	0.30	
	velocity	8.24	10.48	9.90	9.11	9.35	95.2	9.23	9.49		
<b>Dede, Bruno (JPN) (2000)</b>	time	6.08	10.96	16.03	21.39	21.39	1 / 8				
reaction time	0.142 interval		4.88	5.07	5.36		# of strides	10.96	10.43	0.53	
	velocity	8.22	10.25	9.86	9.33	9.35	92.5	9.12	9.59		

### 2018 Japanese National Youth (U18) Championships (Nagano, JPN)

<b>FINAL</b>	date	21-Oct-18	wind	0.1 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Shigetani, Hiroki (JPN) (2002)</b>	time	6.04	10.85	15.88	21.23	21.23	6 / 1				
reaction time	0.136 interval		4.81	5.03	5.35		# of strides	10.85	10.38	0.47	
	velocity	8.28	10.40	9.94	9.35	9.42	91.5	9.22	9.63		
<b>Kimura, Futa (JPN) (2001)</b>	time	6.04	10.83	15.91	21.25	21.25	4 / 2				
reaction time	0.156 interval		4.79	5.08	5.34		# of strides	10.83	10.42	0.41	

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

	velocity	8.28	10.44	9.84	9.36	9.41	97.2	9.23	9.60	
<b>Kimura, Ryo (JPN) (2001)</b>	time	6.12	10.95	16.03	21.41	21.41	5 / 3			
reaction time	0.152	interval	4.83	5.08	5.38		# of strides	10.95	10.46	0.49
	velocity	8.17	10.35	9.84	9.29	9.34	93.2	9.13	9.56	
<b>Toyoda, Hayate (JPN) (2001)</b>	time	6.16	11.00	16.09	21.43	21.43	3 / 4			
reaction time	0.153	interval	4.84	5.09	5.34		# of strides	11.00	10.43	0.57
	velocity	8.12	10.33	9.82	9.36	9.33	98.0	9.09	9.59	
<b>Hayashi, Kanata (JPN) (2001)</b>	time	6.16	11.10	16.23	21.62	21.62	7 / 5			
reaction time	0.149	interval	4.94	5.13	5.39		# of strides	11.10	10.52	0.58
	velocity	8.12	10.12	9.75	9.28	9.25	94.7	9.01	9.51	
<b>Hamaguchi, Kotaro (JPN) (2001)</b>	time	6.36	11.27	16.37	21.68	21.68	8 / 6			
reaction time	0.170	interval	4.91	5.10	5.31		# of strides	11.27	10.41	0.86
	velocity	7.86	10.18	9.80	9.42	9.23	96.7	8.87	9.61	
<b>Hotta, Shunto (JPN) (2001)</b>	time	6.17	11.13	16.41	21.82	21.82	2 / 7			
reaction time	0.155	interval	4.96	5.28	5.41		# of strides	11.13	10.69	0.44
	velocity	8.10	10.08	9.47	9.24	9.17	95.0	8.98	9.35	
<b>Tomizawa, Ryosuke (JPN) (2001)</b>	time	6.43	11.41	16.52	21.94	21.94	1 / 8			
reaction time	0.264	interval	4.98	5.11	5.42		# of strides	11.41	10.53	0.88
	velocity	7.78	10.04	9.78	9.23	9.12	95.0	8.76	9.50	

### 2018 Japanese Corporate Championships (Osaka, JPN)

#### FINAL

	date	22-Sep-18	wind	0.1 m/s	Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.96	10.61	15.45	20.60	20.60	8 / 1				
reaction time	0.154	interval	4.65	4.84	5.15		# of strides	10.61	9.99	0.62	
	velocity	8.39	10.75	10.33	9.71	9.71	90.0	9.43	10.01		
<b>Naoki, Masafumi (JPN) (1993)</b>	time	5.86	10.52	15.46	20.86	20.86	6 / 2				
reaction time	0.101	interval	4.66	4.94	5.40		# of strides	10.52	10.34	0.18	
	velocity	8.53	10.73	10.12	9.26	9.59	89.7	9.51	9.67		
<b>Hashimoto, Akiyuki (JPN) (1994)</b>	time	5.91	10.60	15.53	20.87	20.87	5 / 3				
reaction time	0.151	interval	4.69	4.93	5.34		# of strides	10.60	10.27	0.33	
	velocity	8.46	10.66	10.14	9.36	9.58	90.2	9.43	9.74		
<b>Kimura, Kazushi (JPN) (1993)</b>	time	6.12	10.92	15.85	21.09	21.09	4 / 5				
reaction time	0.184	interval	4.80	4.93	5.24		# of strides	10.92	10.17	0.75	
	velocity	8.17	10.42	10.14	9.54	9.48	93.5	9.16	9.83		

### 2018 Asian Games (Jakarta, INA)

#### FINAL

	date	29-Aug-18	wind	0.7 m/s	Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Koike, Yuki (JPN) (1995)</b>	time	5.78	10.37	15.14	20.23	20.23	3 / 1				
reaction time	0.139	interval	4.59	4.77	5.09	<b>PB</b>	# of strides	10.37	9.86	0.51	
	velocity	8.65	10.89	10.48	9.82	9.89	95.5	9.64	10.14		
<b>Yang Chun-Han (TPE) (1997)</b>	time	5.76	10.34	15.10	20.23	20.23	4 / 2				
reaction time	0.139	interval	4.58	4.76	5.13	<b>NR PB</b>	# of strides	10.34	9.89	0.45	
	velocity	8.68	10.92	10.50	9.75	9.89	93.2	9.67	10.11		
<b>Salem, Mohamed Yacoub (BRN)</b>	time	5.89	10.51	15.37	20.55	20.55	5 / 3				
reaction time	0.175	interval	4.62	4.86	5.18		# of strides	10.51	10.04	0.47	
	velocity	8.49	10.82	10.29	9.65	9.73	90.5	9.51	9.96		
<b>Kim Kuk-Young (KOR) (1991)</b>	time	5.87	10.47	15.28	20.59	20.59	8 / 4				
reaction time	0.129	interval	4.60	4.81	5.31		# of strides	10.47	10.12	0.35	
	velocity	8.52	10.87	10.40	9.42	9.71	93.2	9.55	9.88		
<b>Park Tae-Kyong (KOR) (1991)</b>	time	5.93	10.61	15.39	20.61	20.61	7 / 5				

reaction time	0.151	interval	4.68	4.78	5.22		# of strides	10.61	10.00	0.61
		velocity	8.43	10.68	10.46	9.58	9.70	92.7	9.43	10.00
<b>lizuka, Shota (JPN) (1991)</b>	time	5.93	10.58	15.45	20.68	20.68	6 / 6			
reaction time	0.142	interval	4.65	4.87	5.23		# of strides	10.58	10.10	0.48
		velocity	8.43	10.75	10.27	9.56	9.67	93.0	9.45	9.90

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

### FINAL

	date	05-Aug-18	wind	-1.6 m/s	Kota (2018) - 71st high school championships: JAF scientific committee - biomechanics						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Takagi, Yuki (JPN) (2000)</b>	time	5.92	10.83	15.82	21.13	21.13	4 / 1				
reaction time	interval		4.91	4.99	5.31		# of strides	10.83	10.30	0.53	
	velocity	8.45	10.18	10.02	9.42	9.47		9.23	9.71		
<b>Tsukamoto, Justin Junpei (JPN)</b>	time	5.89	10.82	15.80	21.15	21.15	5 / 2				
reaction time	interval		4.93	4.98	5.35		# of strides	10.82	10.33	0.49	
	velocity	8.49	10.14	10.04	9.35	9.46		9.24	9.68		
<b>Kuwano, Takumi (JPN) (2001)</b>	time	5.95	10.94	15.97	21.35	21.35	6 / 3				
reaction time	interval		4.99	5.03	5.38	PB	# of strides	10.94	10.41	0.53	
	velocity	8.40	10.02	9.94	9.29	9.37		9.14	9.61		
<b>Kimura, Ryo (JPN)</b>	time	5.99	11.00	16.08	21.39	21.39	3 / 4				
reaction time	interval		5.01	5.08	5.31	PB	# of strides	11.00	10.39	0.61	
	velocity	8.35	9.98	9.84	9.42	9.35		9.09	9.62		
<b>Seo, Hideaki (JPN) (2000)</b>	time	5.97	10.95	16.01	21.42	21.42	7 / 5				
reaction time	interval		4.98	5.06	5.41	PB	# of strides	10.95	10.47	0.48	
	velocity	8.38	10.04	9.88	9.24	9.34		9.13	9.55		
<b>Sawa, Daichi (JPN) (2000)</b>	time	6.05	11.04	16.09	21.45	21.45	9 / 6				
reaction time	interval		4.99	5.05	5.36		# of strides	11.04	10.41	0.63	
	velocity	8.26	10.02	9.90	9.33	9.32		9.06	9.61		
<b>Ito, Kaito (JPN) (2000)</b>	time	6.09	11.13	16.21	21.52	21.52	2 / 7				
reaction time	interval		5.04	5.08	5.31		# of strides	11.13	10.39	0.74	
	velocity	8.21	9.92	9.84	9.42	9.29		8.98	9.62		
<b>Toyoda, Kaede (JPN)</b>	time	6.22	11.31	16.41	21.78	21.78	8 / 8				
reaction time	interval		5.09	5.10	5.37		# of strides	11.31	10.47	0.84	
	velocity	8.04	9.82	9.80	9.31	9.18		8.84	9.55		

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

### FINAL

	date	13-Jul-18	wind	-0.1 m/s	Koyama (2018) - research on athlete performance and technique- 2018 data book						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Efoloko, Jona (GBR) (1999)</b>	time	5.91	10.52	15.34	20.48	20.48	5 / 1				
reaction time	0.159	interval	4.61	4.82	5.14	PB	# of strides	10.52	9.96	0.56	
	velocity	8.46	10.85	10.37	9.73	9.77		9.51	10.04		
<b>Dobson, Charles (GBR) (1999)</b>	time	5.86	10.45	15.33	20.57	20.57	3 / 2				
reaction time	0.172	interval	4.59	4.88	5.24		# of strides	10.45	10.12	0.33	
	velocity	8.53	10.89	10.25	9.54	9.72		9.57	9.88		
<b>Harrison, Eric (USA) (1999)</b>	time	5.86	10.49	15.44	20.79	20.79	6 / 3				
reaction time	0.149	interval	4.63	4.95	5.35		# of strides	10.49	10.30	0.19	
	velocity	8.53	10.80	10.10	9.35	9.62		9.53	9.71		
<b>Retamal, Pol (ESP) (1999)</b>	time	6.04	10.73	15.61	20.85	20.85	7 / 4				
reaction time	0.193	interval	4.69	4.88	5.24		# of strides	10.73	10.12	0.61	
	velocity	8.28	10.66	10.25	9.54	9.59		9.32	9.88		
<b>Branco, Zane (AUS) (2000)</b>	time	5.97	10.60	15.54	20.86	20.86	4 / 5				
reaction time	0.159	interval	4.63	4.94	5.32		# of strides	10.60	10.26	0.34	
	velocity	8.38	10.80	10.12	9.40	9.59		9.43	9.75		

<b>Meyers, Khance (USA) (1999)</b>	time	5.99	10.69	15.56	20.87	20.87	2 / 6			
	reaction time	0.159	interval	4.70	4.87	5.31	# of strides	10.69	10.18	0.51
	velocity	8.35	10.64	10.27	9.42	9.58		9.35	9.82	
<b>Skupin-Alfa, Milo (GER) (1999)</b>	time	6.01	10.76	15.71	21.07	21.07	1 / 7			
	reaction time	0.143	interval	4.75	4.95	5.36	# of strides	10.76	10.31	0.45
	velocity	8.32	10.53	10.10	9.33	9.49		9.29	9.70	

**Semi-Final 3**date 12-Jul-18 wind -0.3 m/s *Koyama (2018) - research on athlete performance and technique- 2018 data book*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ueyama, Koki (JPN) (1999)</b>	time	6.02	10.81	15.84	21.24	21.24	3 / 4			
	reaction time	0.153	interval	4.79	5.03	5.40	# of strides	10.81	10.43	0.38
	velocity	8.31	10.44	9.94	9.26	9.42		9.25	9.59	

**Semi-Final 1**date 12-Jul-18 wind -0.6 m/s *Koyama (2018) - research on athlete performance and technique- 2018 data book*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yasuda, Keigo (JPN) (2000)</b>	time	5.97	10.68	15.64	21.28	21.28	8 / 6			
	reaction time	0.152	interval	4.71	4.96	5.64	# of strides	10.68	10.60	0.08
	velocity	8.38	10.62	10.08	8.87	9.40		9.36	9.43	

**Heat 2**date 12-Jul-18 wind 0.4 m/s *Koyama (2018) - research on athlete performance and technique- 2018 data book*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Yasuda, Keigo (JPN) (2000)</b>	time	6.02	10.77	15.75	21.20	21.20	6 / 3			
	reaction time	0.139	interval	4.75	4.98	5.45	# of strides	10.77	10.43	0.34
	velocity	8.31	10.53	10.04	9.17	9.43		9.29	9.59	

**Heat 1**date 12-Jul-18 wind -0.9 m/s *Koyama (2018) - research on athlete performance and technique- 2018 data book*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ueyama, Koki (JPN) (1999)</b>	time	6.02	10.75	15.70	21.04	21.04	6 / 2			
	reaction time	0.155	interval	4.73	4.95	5.34	# of strides	10.75	10.29	0.46
	velocity	8.31	10.57	10.10	9.36	9.51		9.30	9.72	

**2018 Japanese National Championships (Yamaguchi, JPN)****FINAL**date 24-Jun-18 wind 0.8 m/s *Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.91	10.55	15.31	20.34	20.34	5 / 1				
	reaction time	0.178	interval	4.64	4.76	5.03	# of strides	10.55	9.79	0.76	
	velocity	8.46	10.78	10.50	9.94	9.83	89.7	9.48	10.21		
<b>Koike, Yuki (JPN) (1995)</b>	time	5.83	10.48	15.26	20.42	20.42	7 / 2				
	reaction time	0.162	interval	4.65	4.78	5.16	<b>PB</b>	# of strides	10.48	9.94	0.54
	velocity	8.58	10.75	10.46	9.69	9.79	95.2	9.54	10.06		
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.88	10.53	15.30	20.46	20.46	9 / 3				
	reaction time	0.160	interval	4.65	4.77	5.16	<b>PB</b>	# of strides	10.53	9.93	0.60
	velocity	8.50	10.75	10.48	9.69	9.78	88.0	9.50	10.07		
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	5.87	10.61	15.47	20.69	20.69	6 / 4				
	reaction time	0.142	interval	4.74	4.86	5.22	# of strides	10.61	10.08	0.53	
	velocity	8.52	10.55	10.29	9.58	9.67	92.0	9.43	9.92		
<b>Inuzuka, Wataru (JPN) (1997)</b>	time	5.96	10.65	15.54	20.74	20.74	8 / 5				
	reaction time	0.209	interval	4.69	4.89	5.20	# of strides	10.65	10.09	0.56	
	velocity	8.39	10.66	10.22	9.62	9.64	86.5	9.39	9.91		
<b>Someya, Yoshihiro (JPN) (1998)</b>	time	5.85	10.57	15.54	20.85	20.85	4 / 6				
	reaction time	0.155	interval	4.72	4.97	5.31	# of strides	10.57	10.28	0.29	
	velocity	8.55	10.59	10.06	9.42	9.59	90.0	9.46	9.73		
<b>Naoki, Masafumi (JPN) (1993)</b>	time	5.91	10.62	15.55	20.91	20.91	3 / 7				
	reaction time	0.167	interval	4.71	4.93	5.36	# of strides	10.62	10.29	0.33	
	velocity	8.46	10.62	10.14	9.33	9.56	90.2	9.42	9.72		

**2018 Shimane High School Championships (Izumo, JPN)****FINAL**date 27-May-18 wind 0.8 m/s *Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis*

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kadowaki, Riku (JPN) (2000)</b>	time		11.00		21.42	21.41	6 / 1			
	reaction time				10.42		# of strides	11.00	10.42	0.58
	velocity		9.09		9.60	9.34		9.09	9.60	
<b>Ohitsu, Takahiro (JPN)</b>	time		11.45		22.12	22.12	3 / 2			
	reaction time				10.67		# of strides	11.45	10.67	0.78
	velocity		8.73		9.37	9.04		8.73	9.37	
<b>Yu, Matsuura (JPN)</b>	time		11.27		22.20	22.20	4 / 3			
	reaction time				10.93		# of strides	11.27	10.93	0.34
	velocity		8.87		9.15	9.01		8.87	9.15	
<b>Saito, Itsuki (JPN)</b>	time		11.28		22.22	22.21	5 / 4			
	reaction time				10.94		# of strides	11.28	10.94	0.34
	velocity		8.87		9.14	9.00		8.87	9.14	
<b>Hayashi, Raito (JPN) (2000)</b>	time		11.55		22.43	22.43	7 / 5			
	reaction time				10.88		# of strides	11.55	10.88	0.67
	velocity		8.66		9.19	8.92		8.66	9.19	
<b>Fukuda, Ryota (JPN) (2001)</b>	time		11.57		22.60	22.61	2 / 6			
	reaction time				11.03		# of strides	11.57	11.03	0.54
	velocity		8.64		9.07	8.85		8.64	9.07	
<b>Saito, Jona (JPN)</b>	time		11.58		22.62	22.63	8 / 7			
	reaction time				11.04		# of strides	11.58	11.04	0.54
	velocity		8.64		9.06	8.84		8.64	9.06	
<b>Hiromu, Otani (JPN)</b>	time		11.61		22.97	22.97	1 / 8			
	reaction time				11.36		# of strides	11.61	11.36	0.25
	velocity		8.61		8.80	8.71		8.61	8.80	

## 2018 Seiko Golden Grand Prix (Osaka, JPN)

### FINAL

	date	20-May-18	wind	0.9 m/s	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Makwala, Issac (BOT) (1985)</b>	time		5.86	10.37	15.07	19.96	19.96	7 / 1			
	reaction time	0.198		4.51	4.70	4.89		# of strides	10.37	9.59	0.78
	velocity		8.53	11.09	10.64	10.22	10.02	89.2	9.64	10.43	
<b>Xie Zhenye (CHN) (1993)</b>	time		5.90	10.53	15.22	20.16	20.16	9 / 2			
	reaction time	0.191		4.63	4.69	4.94	<b>NR PB</b>	# of strides	10.53	9.63	0.90
	velocity		8.47	10.80	10.66	10.12	9.92	88.0	9.50	10.38	
<b>Dukes, Dedric (USA) (1992)</b>	time		5.91	10.51	15.30	20.32	20.32	4 / 3			
	reaction time	0.149		4.60	4.79	5.02		# of strides	10.51	9.81	0.70
	velocity		8.46	10.87	10.44	9.96	9.84	89.7	9.51	10.19	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time		5.87	10.50	15.40	20.61	20.61	5 / 4			
	reaction time	0.148		4.63	4.90	5.21		# of strides	10.50	10.11	0.39
	velocity		8.52	10.80	10.20	9.60	9.70	91.0	9.52	9.89	
<b>Hara, Shota (JPN) (1992)</b>	time		5.86	10.56	15.44	20.65	20.65	1 / 6			
	reaction time	0.121		4.70	4.88	5.21		# of strides	10.56	10.09	0.47
	velocity		8.53	10.64	10.25	9.60	9.69	93.2	9.47	9.91	
<b>Yamashita, Jun (JPN) (1997)</b>	time		5.89	10.59	15.53	20.72	20.72	2 / 7			
	reaction time	0.143		4.70	4.94	5.19		# of strides	10.59	10.13	0.46
	velocity		8.49	10.64	10.12	9.63	9.65	86.7	9.44	9.87	
<b>Iizuka, Shota (JPN) (1991)</b>	time		5.82	10.49	15.42	20.75	20.75	6 / 8			
	reaction time	0.160		4.67	4.93	5.33		# of strides	10.49	10.26	0.23
	velocity		8.59	10.71	10.14	9.38	9.64	93.2	9.53	9.75	

## 2018 Shizuoka International Meeting (Fukuroi, JPN)

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

<b>A FINAL</b>		date	03-May-18	wind	0.3 m/s	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Hara, Shota (JPN) (1992)</b>	time			5.91	10.58	15.49	20.75	20.75	5 / 2			
	reaction time	0.162	interval		4.67	4.91	5.26		# of strides	10.58	10.17	0.41
			velocity	8.46	10.71	10.18	9.51	9.64	94.2	9.45	9.83	
<b>Yamashita, Jun (JPN) (1997)</b>	time			5.98	10.74	15.63	20.88	20.88	9 / 3			
	reaction time	0.171	interval		4.76	4.89	5.25		# of strides	10.74	10.14	0.60
			velocity	8.36	10.50	10.22	9.52	9.58	87.0	9.31	9.86	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time			5.87	10.52	15.54	21.13	21.13	7 / 5			
	reaction time	0.148	interval		4.65	5.02	5.59		# of strides	10.52	10.61	-0.09
			velocity	8.52	10.75	9.96	8.94	9.47	92.5	9.51	9.43	

<b>B FINAL</b>		date	03-May-18	wind	-0.3 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Inuzuka, Wataru (JPN) (1997)</b>	time			5.88	10.60	15.47	20.65	20.65	7 / 1			
	reaction time	0.165	interval		4.72	4.87	5.18	<b>PB</b>	# of strides	10.60	10.05	0.55
			velocity	8.50	10.59	10.27	9.65	9.69	86.2	9.43	9.95	

<b>Heat 3</b>		date	03-May-18	wind	-0.2 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Hara, Shota (JPN) (1992)</b>	time			5.92	10.59	15.50	20.76	20.76	5 / 1			
	reaction time	0.178	interval		4.67	4.91	5.26		# of strides	10.59	10.17	0.42
			velocity	8.45	10.71	10.18	9.51	9.63	94.0	9.44	9.83	
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time			5.89	10.68	15.70	21.13	21.13	9 / 6			
	reaction time	0.160	interval		4.79	5.02	5.43		# of strides	10.68	10.45	0.23
			velocity	8.49	10.44	9.96	9.21	9.47	97.0	9.36	9.57	

<b>Heat 2</b>		date	03-May-18	wind	1.1 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Someya, Yoshihiro (JPN) (1998)</b>	time			5.89	10.55	15.43	20.65	20.65	8 / 1			
	reaction time	0.175	interval		4.66	4.88	5.22	<b>PB</b>	# of strides	10.55	10.10	0.45
			velocity	8.49	10.73	10.25	9.58	9.69	90.0	9.48	9.90	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time			5.92	10.60	15.46	20.69	20.69	6 / 2			
	reaction time	0.169	interval		4.68	4.86	5.23		# of strides	10.60	10.09	0.51
			velocity	8.45	10.68	10.29	9.56	9.67	91.5	9.43	9.91	

<b>Heat 1</b>		date	03-May-18	wind	-0.4 m/s	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Nagata, Takuya (JPN) (1994)</b>	time			5.82	10.51	15.50	20.92	20.92	3 / 1			
	reaction time	0.179	interval		4.69	4.99	5.42		# of strides	10.51	10.41	0.10
			velocity	8.59	10.66	10.02	9.23	9.56	94.2	9.51	9.61	

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

<b>FINAL</b>		date	05-Sep-17	wind	-0.2 m/s	<i>Jiang (2017.09.05) - https://twitter.com/pjvazael</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Xie Zhenye (CHN) (1993)</b>	time				10.28		20.20	20.20	/ 1			
	reaction time		interval				20.20	<b>NR</b>	# of strides	10.28	9.92	0.36
			velocity		9.73		2.48	9.90		9.73	10.08	
<b>Liang Jinsheng (CHN) (1996)</b>	time				10.51		20.74	20.74	/ 2			
	reaction time		interval				10.23		# of strides	10.51	10.23	0.28
			velocity		9.51		9.78	9.64		9.51	9.78	
<b>Bie Ge (CHN) (1992)</b>	time				10.57		20.78	20.78	/ 3			
	reaction time		interval				10.21		# of strides	10.57	10.21	0.36
			velocity		9.46		9.79	9.62		9.46	9.79	
<b>Zhang Ruixuan (CHN) (1996)</b>	time				10.62		20.83	20.83	/ 4			
	reaction time		interval				10.21		# of strides	10.62	10.21	0.41
			velocity		9.42		9.79	9.60		9.42	9.79	

<b>Tang Xingqiang (CHN) (1995)</b>	time	10.51	20.91	20.91	/ 5				
reaction time	interval		10.40		# of strides	10.51	10.40	0.11	
	velocity	9.51	9.62	9.56		9.51	9.62		
<b>Lin Qibang (CHN) (1997)</b>	time	10.76	20.93	20.93	/ 6				
reaction time	interval		10.17	<b>PB</b>	# of strides	10.76	10.17	0.59	
	velocity	9.29	9.83	9.56		9.29	9.83		
<b>Bao Leer (CHN) (1995)</b>	time	10.83	21.02	21.02	/ 7				
reaction time	interval		10.19		# of strides	10.83	10.19	0.64	
	velocity	9.23	9.81	9.51		9.23	9.81		
<b>Wang Huaishuang (CHN) (1988)</b>	time	10.71	21.15	21.15	/ 8				
reaction time	interval		10.44		# of strides	10.71	10.44	0.27	
	velocity	9.34	9.58	9.46		9.34	9.58		

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

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

**FINAL**

date 10-Aug-17 wind -0.1 m/s Pollitt (2018) - biomechanical report for the IAAF World Champs- London 2017- Men's 200m

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Guliyev, Ramil (TUR) (1990)</b>	time	5.79	10.32	15.08	20.09	20.09	5 / 1			Takahashi (2017)
reaction time	0.165	interval	4.53	4.76	5.01	# of strides	10.32	9.77	0.55	
		velocity	8.64	11.04	10.50	9.98	88.5	9.69	10.24	
<b>van Niekerk, Wayde (RSA) (1992)</b>	time	5.77	10.32	15.08	20.11	20.11	3 / 2			Takahashi (2017)
reaction time	0.156	interval	4.55	4.76	5.03	# of strides	10.32	9.79	0.53	
		velocity	8.67	10.99	10.50	9.94	83.4	9.69	10.21	
<b>Richards, Jereem (TTO) (1994)</b>	time	5.84	10.41	15.14	20.11	20.11	7 / 3			Takahashi (2017)
reaction time	0.149	interval	4.57	4.73	4.97	# of strides	10.41	9.70	0.71	
		velocity	8.56	10.94	10.57	10.06	87.7	9.61	10.31	
<b>Mitchell-Blake, Nethaneel (GBR)</b>	time	10.29	15.22	20.09	20.24	20.24	2 / 4			Pollitt (2018)
reaction time	0.147	interval	4.93	4.87		# of strides	10.29	9.80	0.49	
		velocity	9.72	10.14	10.27	9.88	86.1	9.72	10.20	
<b>Webb, Ameer (USA) (1991)</b>	time	10.25	15.14	20.11	20.26	20.26	9 / 5			Pollitt (2018)
reaction time	0.148	interval	4.89	4.97		# of strides	10.25	9.86	0.39	
		velocity	9.76	10.22	10.06	9.87	84.7	9.76	10.14	
<b>Makwala, Isaac (BOT) (1986)</b>	time	10.15	15.17	20.27	20.44	20.44	6 / 6			Pollitt (2018)
reaction time	0.170	interval	5.02	5.10		# of strides	10.15	10.12	0.03	
		velocity	9.85	9.96	9.80	9.78	89.8	9.85	9.88	
<b>Sani Brown, Abdul Hakim (JPN)</b>	time	5.76	10.37	15.30	20.63	20.63	8 / 7			Takahashi (2017)
reaction time	0.162	interval	4.61	4.93	5.33	# of strides	10.37	10.26	0.11	
		velocity	8.68	10.85	10.14	9.38	86.6	9.64	9.75	
<b>Young, Isiah (USA) (1990)</b>	time	10.35	15.34	20.49	20.64	20.64	4 / 8			Pollitt (2018)
reaction time	0.148	interval	4.99	5.15		# of strides	10.35	10.14	0.21	
		velocity	9.66	10.02	9.71	9.69	91.7	9.66	9.86	

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

**Semi-Final 3**

date 09-Aug-17 wind 0.3 m/s Takahashi (2017) - 200m running performance analysis in the 2017 season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Guliyev, Ramil (TUR) (1990)</b>	time	5.74	10.29	15.01	20.17	20.17	4 / 1			Takahashi (2017)
reaction time	0.167	interval	4.55	4.72	5.16	# of strides	10.29	9.88	0.41	
		velocity	8.71	10.99	10.59	9.69	87.6	9.72	10.12	
<b>Webb, Ameer (USA) (1991)</b>	time	10.14	14.86	20.07	20.22	20.22	5 / 2			Pollitt (2018)
reaction time	0.148	interval	4.72	5.21		# of strides	10.14	9.93	0.21	
		velocity	9.86	10.59	9.60	9.89	85.0	9.86	10.07	
<b>van Niekerk, Wayde (RSA) (1992)</b>	time	5.84	10.39	15.15	20.28	20.28	6 / 3			Takahashi (2017)
reaction time	0.158	interval	4.55	4.76	5.13	# of strides	10.39	9.89	0.50	
		velocity	8.56	10.99	10.50	9.75	83.5	9.62	10.11	
<b>Lemaitre, Christophe (FRA) (1989)</b>	time	10.31	15.07	20.16	20.30	20.30	8 / 4			Pollitt (2018)

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



reaction time	0.141	interval	4.76	5.09	# of strides	10.31	9.85	0.46	
		velocity	9.70	10.50	9.82	9.85	82.5	9.70	10.15
<b>Talbot, Daniel (GBR) (1991)</b>	time		10.26	15.03	20.22	20.38	7 / 5		<i>Pollitt (2018)</i>
reaction time	0.156	interval	4.77	5.19	# of strides	10.26	9.96	0.30	
		velocity	9.75	10.48	9.63	9.81	93.2	9.75	10.04
<b>Tsákonas, Likoúrgos-Stéfanos</b>	time		10.38	15.22	20.57	20.73	9 / 6		<i>Pollitt (2018)</i>
reaction time	0.156	interval	4.84	5.35	# of strides	10.38	10.19	0.19	
		velocity	9.63	10.33	9.35	9.65	88.2	9.63	9.81
<b>George, Winston (GUY) (1987)</b>	time		10.40	15.25	20.56	20.74	2 / 7		<i>Pollitt (2018)</i>
reaction time	0.176	interval	4.85	5.31	# of strides	10.40	10.16	0.24	
		velocity	9.62	10.31	9.42	9.64	93.0	9.62	9.84
<b>Koffi, Wilfried (CIV) (1987)</b>	time		10.44	15.31	20.63	20.80	3 / 8		<i>Pollitt (2018)</i>
reaction time	0.174	interval	4.87	5.32	# of strides	10.44	10.19	0.25	
		velocity	9.58	10.27	9.40	9.62	86.7	9.58	9.81

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

## Semi-Final 2

date		09-Aug-17	wind	-0.3 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Richards, Jereem (TTO) (1994)</b>	time		5.82	10.37	15.03	20.14	20.14	5 / 1			<i>Takahashi (2017)</i>
reaction time	0.158	interval	4.55	4.66	5.11	# of strides	10.37	9.77	0.60		
		velocity	8.59	10.99	10.73	9.78	9.93	86.5	9.64	10.24	
<b>Sani Brown, Abdul Hakim (JPN)</b>	time		5.79	10.35	15.15	20.43	20.43	9 / 2			<i>Takahashi (2017)</i>
reaction time	0.193	interval	4.56	4.80	5.28	# of strides	10.35	10.08	0.27		
		velocity	8.64	10.96	10.42	9.47	9.79	87.5	9.66	9.92	
<b>Blake, Yohan (JAM) (1989)</b>	time		10.25	15.00	20.35	20.52	7 / 3				<i>Pollitt (2018)</i>
reaction time	0.165	interval	4.75	5.35	# of strides	10.25	10.10	0.15			
		velocity	9.76	10.53	9.35	9.75	91.0	9.76	9.90		
<b>Siame, Sydney (ZAM) (1997)</b>	time		10.28	15.06	20.39	20.54	6 / 4				<i>Pollitt (2018)</i>
reaction time	0.154	interval	4.78	5.33	# of strides	10.28	10.11	0.17			
		velocity	9.73	10.46	9.38	9.74	96.0	9.73	9.89		
<b>King, Kyree (USA) (1994)</b>	time		10.34	15.17	20.43	20.59	4 / 5				<i>Pollitt (2018)</i>
reaction time	0.158	interval	4.83	5.26	# of strides	10.34	10.09	0.25			
		velocity	9.67	10.35	9.51	9.71	89.3	9.67	9.91		
<b>Volko, Ján (SVK) (1996)</b>	time		10.32	15.14	20.44	20.61	8 / 6				<i>Pollitt (2018)</i>
reaction time	0.165	interval	4.82	5.30	# of strides	10.32	10.12	0.20			
		velocity	9.69	10.37	9.43	9.70	96.4	9.69	9.88		
<b>Hughes, Zarnel (GBR) (1995)</b>	time		10.39	15.27	20.73	20.85	3 / 7				<i>Pollitt (2018)</i>
reaction time	0.118	interval	4.88	5.46	# of strides	10.39	10.34	0.05			
		velocity	9.62	10.25	9.16	9.59	89.0	9.62	9.67		
<b>Wilson, Alex (SUI) (1990)</b>	time		10.50	15.42	21.08	21.22	2 / 8				<i>Pollitt (2018)</i>
reaction time	0.125	interval	4.92	5.66	# of strides	10.50	10.58	-0.08			
		velocity	9.52	10.16	8.83	9.43	91.7	9.52	9.45		

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

## Semi-Final 1

date		09-Aug-17	wind	2.1 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Young, Isiah (USA) (1990)</b>	time		10.14	14.83	19.96	20.12	7 / 1				<i>Pollitt (2018)</i>
reaction time	0.158	interval	4.69	5.13	# of strides	10.14	9.82	0.32			
		velocity	9.86	10.66	9.75	9.94	90.3	9.86	10.18		
<b>Makawala, Isaac (BOT) (1986)</b>	time		10.22	14.92	19.95	20.14	1 / 2				<i>Pollitt (2018)</i>
reaction time	0.187	interval	4.70	5.03	# of strides	10.22	9.73	0.49			
		velocity	9.78	10.64	9.94	9.93	90.4	9.78	10.28		
<b>Mitchell-Blake, Nethaneel (GBR)</b>	time		10.27	15.01	20.02	20.19	5 / 3				<i>Pollitt (2018)</i>
reaction time	0.168	interval	4.74	5.01	# of strides	10.27	9.75	0.52			
		velocity	9.74	10.55	9.98	9.91	85.7	9.74	10.26		

<b>Lima, David (POR) (1990)</b>	time		10.53	15.34	20.40	20.56	2 / 4			<i>Pollitt (2018)</i>
reaction time	0.158	interval		4.81	5.06		# of strides	10.53	9.87	0.66
		velocity	9.50	10.40	9.88	9.73	89.0	9.50	10.13	
<b>lizuka, Shota (JPN) (1991)</b>	time	5.85	10.47	15.35	20.62	20.62	8 / 5			<i>Takahashi (2017)</i>
reaction time	0.164	interval	4.62	4.88	5.27		# of strides	10.47	10.15	0.32
		velocity	8.55	10.82	10.25	9.49	92.2	9.55	9.85	
<b>Tortu, Filippo (ITA) (1998)</b>	time		10.40	15.26	20.44	20.62	3 / 6			<i>Pollitt (2018)</i>
reaction time	0.169	interval		4.86	5.18		# of strides	10.40	10.04	0.36
		velocity	9.62	10.29	9.65	9.70	88.0	9.62	9.96	
<b>Simbine, Akani (RSA) (1993)</b>	time		10.28	15.14	20.44	20.62	4 / 7			<i>Pollitt (2018)</i>
reaction time	0.183	interval		4.86	5.30		# of strides	10.28	10.16	0.12
		velocity	9.73	10.29	9.43	9.70	95.0	9.73	9.84	
<b>Greaux, Kyle (TTO) (1988)</b>	time		10.42	15.24	20.47	20.65	6 / 8			<i>Pollitt (2018)</i>
reaction time	0.176	interval		4.82	5.23		# of strides	10.42	10.05	0.37
		velocity	9.60	10.37	9.56	9.69	90.3	9.60	9.95	
<b>Dwyer, Rasheed (JAM) (1989)</b>	time		10.28	15.15	20.52	20.69	9 / 9			<i>Pollitt (2018)</i>
reaction time	0.170	interval		4.87	5.37		# of strides	10.28	10.24	0.04
		velocity	9.73	10.27	9.31	9.67	88.9	9.73	9.77	

**Heat 7**date 07-Aug-17 wind 0.7 m/s *Takahashi (2017) - 200m running performance analysis in the 2017 season*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>lizuka, Shota (JPN) (1991)</b>	time		5.85	10.51	15.36	20.58	20.58	3 / 4			
reaction time	0.152	interval		4.66	4.85	5.22		# of strides	10.51	10.07	0.44
		velocity	8.55	10.73	10.31	9.58	9.72	91.0	9.51	9.93	

**Heat 4**date 07-Aug-17 wind 0.7 m/s *Takahashi (2017) - 200m running performance analysis in the 2017 season*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Guliyev, Ramil (TUR) (1990)</b>	time		5.84	10.44	15.18	20.16	20.16	5 / 1			
reaction time	0.153	interval		4.60	4.74	4.98		# of strides	10.44	9.72	0.72
		velocity	8.56	10.87	10.55	10.04	9.92	87.0	9.58	10.29	

**Heat 3**date 07-Aug-17 wind 0.3 m/s *Takahashi (2017) - 200m running performance analysis in the 2017 season*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>van Niekerk, Wayde (RSA) (1992)</b>	time		5.87	10.36	15.07	20.16	20.16	7 / 1			
reaction time	0.192	interval		4.49	4.71	5.09		# of strides	10.36	9.80	0.56
		velocity	8.52	11.14	10.62	9.82	9.92	82.5	9.65	10.20	

**Heat 2**date 07-Aug-17 wind -0.6 m/s *Takahashi (2017) - 200m running performance analysis in the 2017 season*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Richards, Jereem (TTO) (1994)</b>	time		5.85	10.41	15.09	20.05	20.05	2 / 1			
reaction time	0.132	interval		4.56	4.68	4.96		# of strides	10.41	9.64	0.77
		velocity	8.55	10.96	10.68	10.08	9.98	87.0	9.61	10.37	

**Heat 1**date 07-Aug-17 wind -0.5 m/s *Takahashi (2017) - 200m running performance analysis in the 2017 season*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sani Brown, Abdul Hakim (JPN)</b>	time		5.89	10.53	15.35	20.52	20.52	8 / 2			
reaction time	0.221	interval		4.64	4.82	5.17		# of strides	10.53	9.99	0.54
		velocity	8.49	10.78	10.37	9.67	9.75	88.0	9.50	10.01	

**2017 Japanese National High School Championships (Yamagata, JPN)****FINAL**date 01-Aug-17 wind 0.5 m/s *Kota (2017) - 70th high school championships: JAF scientific committee - biomechanics*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fukushima, Kiyoshi (JPN) (2000)</b>	time		5.91	10.80	15.76	21.04	21.04	4 / 1			
reaction time	0.158	interval		4.89	4.96	5.28		# of strides	10.80	10.24	0.56
		velocity	8.46	10.22	10.08	9.47	9.51		9.26	9.77	
<b>Takagi, Yuki (JPN) (2000)</b>	time		5.94	10.74	15.75	21.06	21.06	8 / 2			
reaction time	0.174	interval		4.80	5.01	5.31		# of strides	10.74	10.32	0.42
		velocity	8.42	10.42	9.98	9.42	9.50		9.31	9.69	

<b>Saito, Ryohei (JPN) (1999)</b>	time	5.95	10.82	15.81	21.15	21.15	6 / 3			
reaction time	0.182	interval	4.87	4.99	5.34		# of strides	10.82	10.33	0.49
		velocity	8.40	10.27	10.02	9.36	9.46	9.24	9.68	
<b>Miyamoto, Daisuke (JPN) (1999)</b>	time	5.87	10.79	15.80	21.18	21.18	5 / 4			
reaction time	0.178	interval	4.92	5.01	5.38		# of strides	10.79	10.39	0.40
		velocity	8.52	10.16	9.98	9.29	9.44	9.27	9.62	
<b>Uno, Daichi (JPN) (2000)</b>	time	5.96	10.91	15.94	21.36	21.36	9 / 5			
reaction time	0.156	interval	4.95	5.03	5.42		# of strides	10.91	10.45	0.46
		velocity	8.39	10.10	9.94	9.23	9.36	9.17	9.57	
<b>Kino, Syugoro (JPN)</b>	time	5.95	10.92	15.97	21.37	21.37	7 / 6			
reaction time	0.128	interval	4.97	5.05	5.40		# of strides	10.92	10.45	0.47
		velocity	8.40	10.06	9.90	9.26	9.36	9.16	9.57	
<b>Watanabe, Kougen (JPN)</b>	time	5.96	10.97	16.01	21.40	21.40	3 / 7			
reaction time	0.181	interval	5.01	5.04	5.39		# of strides	10.97	10.43	0.54
		velocity	8.39	9.98	9.92	9.28	9.35	9.12	9.59	
<b>Mori, Zhou (JPN)</b>	time	6.14	11.28	16.64	22.85	22.85	2 / 8			
reaction time	0.145	interval	5.14	5.36	6.21		# of strides	11.28	11.57	-0.29
		velocity	8.14	9.73	9.33	8.05	8.75	8.87	8.64	

## 2017 USATF National Championships (Sacramento, CA)

### FINAL

date 25-Jun-17 wind -2.3 m/s ra) (2017) - [speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/](http://speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Webb, Ameer (USA) (1991)</b>	time		10.34		20.09	20.09	7 / 1			
reaction time					9.75		# of strides	10.34	9.75	0.59
					10.26	9.96		9.67	10.26	
<b>Coleman, Christian (USA) (1996)</b>	time		10.21		20.10	20.10	5 / 2			
reaction time					9.89		# of strides	10.21	9.89	0.32
					10.11	9.95	93.0	9.79	10.11	
<b>Hall-Thompson, Elijah (USA) (1996)</b>	time		10.41		20.21	20.21	8 / 3			
reaction time					9.80	<b>PB</b>	# of strides	10.41	9.80	0.61
					10.20	9.90		9.61	10.20	
<b>King, Kyree (USA) (1994)</b>	time		10.49		20.40	20.40	4 / 4			
reaction time					9.91		# of strides	10.49	9.91	0.58
					10.09	9.80	87.7	9.53	10.09	
<b>Young, Isiah (USA) (1990)</b>	time		10.39		20.42	20.42	6 / 5			
reaction time					10.03		# of strides	10.39	10.03	0.36
					9.97	9.79	91.7	9.62	9.97	
<b>Dukes, Detric (USA) (1992)</b>	time		10.61		20.50	20.50	9 / 6			
reaction time					9.89		# of strides	10.61	9.89	0.72
					10.11	9.76		9.43	10.11	
<b>Dix, Walter (USA) (1986)</b>	time		10.57		20.63	20.63	2 / 7			
reaction time					10.06		# of strides	10.57	10.06	0.51
					9.94	9.69	92.2	9.46	9.94	
<b>Cotton, Kenzo (USA) (1996)</b>	time		10.58		20.78	20.78	3 / 8			
reaction time					10.20		# of strides	10.58	10.20	0.38
					9.80	9.62	87.7	9.45	9.80	

## 2017 Japanese National Championships (Osaka, JPN)

### FINAL

date 25-Jun-17 wind 0.3 m/s Takahashi (2017) - 200m running performance analysis in the 2017 season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sani Brown, Abdul Hakim (JPN)</b>	time	5.80	10.39	15.19	20.32	20.32	6 / 1			
reaction time	0.185	interval	4.59	4.80	5.13	<b>PB</b>	# of strides	10.39	9.93	0.46

	velocity	8.62	10.89	10.42	9.75	9.84	87.2	9.62	10.07	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.88	10.48	15.32	20.47	20.47	7 / 2			
reaction time	0.174	interval	4.60	4.84	5.15		# of strides	10.48	9.99	0.49
	velocity	8.50	10.87	10.33	9.71	9.77	91.5	9.54	10.01	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.85	10.48	15.34	20.55	20.55	5 / 3			
reaction time	0.172	interval	4.63	4.86	5.21		# of strides	10.48	10.07	0.41
	velocity	8.55	10.80	10.29	9.60	9.73	93.0	9.54	9.93	
<b>Hara, Shota (JPN) (1992)</b>	time	5.89	10.55	15.43	20.77	20.77	4 / 4			
reaction time	0.168	interval	4.66	4.88	5.34		# of strides	10.55	10.22	0.33
	velocity	8.49	10.73	10.25	9.36	9.63	96.0	9.48	9.78	
<b>Suwa, Tatsuro (JPN) (1994)</b>	time	5.80	10.49	15.50	20.83	20.83	8 / 5			
reaction time	0.144	interval	4.69	5.01	5.33		# of strides	10.49	10.34	0.15
	velocity	8.62	10.66	9.98	9.38	9.60	96.0	9.53	9.67	
<b>Yamashita, Jun (JPN) (1997)</b>	time	5.89	10.57	15.52	20.87	20.87	2 / 6			
reaction time	0.157	interval	4.68	4.95	5.35		# of strides	10.57	10.30	0.27
	velocity	8.49	10.68	10.10	9.35	9.58	89.7	9.46	9.71	
<b>Tanaka, Yusuke (JPN) (1998)</b>	time	5.88	10.59	15.49	20.90	20.90	3 / 7			
reaction time	0.181	interval	4.71	4.90	5.41		# of strides	10.59	10.31	0.28
	velocity	8.50	10.62	10.20	9.24	9.57	92.7	9.44	9.70	
<b>Takase, Kei (JPN) (1988)</b>	time	5.89	10.51	15.49	20.99	20.99	9 / 8			
reaction time	0.184	interval	4.62	4.98	5.50		# of strides	10.51	10.48	0.03
	velocity	8.49	10.82	10.04	9.09	9.53	91.5	9.51	9.54	

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

#### FINAL

		date	28-May-17	wind	2.0 m/s	<i>Shimizu (2018) - shimane high school championships 2018 - biomechanics data analysis</i>					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kadowaki, Riku (JPN) (2000)</b>	time			11.23		21.65	21.65	7 / 1			
reaction time				interval		10.42		# of strides	11.23	10.42	0.81
				velocity	8.90	9.60	9.24		8.90	9.60	
<b>Kirihara, Yuto (JPN)</b>	time			11.52		22.13	22.13	4 / 2			
reaction time				interval		10.61		# of strides	11.52	10.61	0.91
				velocity	8.68	9.43	9.04		8.68	9.43	
<b>Tamura, Shinji (JPN)</b>	time			11.52		22.40	22.40	5 / 3			
reaction time				interval		10.88		# of strides	11.52	10.88	0.64
				velocity	8.68	9.19	8.93		8.68	9.19	

### 2017 Seiko Golden Grand Prix (Kawasaki, JPN)

#### FINAL

		date	21-May-17	wind	-2.0 m/s	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Brown, Aaron (CAN) (1992)</b>	time			5.70		10.30	10.30	5 / 1			
reaction time	0.130			interval		4.60		# of strides	10.30	10.32	-0.02
				velocity	8.77	10.87	10.35	9.11	9.70	9.71	9.69
<b>Dukes, Detric (USA) (1992)</b>	time			5.78		10.39	10.39	7 / 2			
reaction time	0.163			interval		4.61		# of strides	10.39	10.32	0.07
				velocity	8.65	10.85	10.31	9.14	9.66	9.62	9.69
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time			5.81		10.49	10.49	2 / 3			
reaction time	0.153			interval		4.68		# of strides	10.49	10.44	0.05
				velocity	8.61	10.68	10.16	9.06	9.56	9.53	9.58
<b>Hara, Shota (JPN) (1992)</b>	time			5.83		10.57	10.57	6 / 4			
reaction time	0.151			interval		4.74		# of strides	10.57	10.46	0.11
				velocity	8.58	10.55	10.20	8.99	9.51	9.46	9.56
<b>Iizuka, Shota (JPN) (1991)</b>	time			5.92		10.60	10.60	4 / 5			

reaction time	0.148	interval	4.68	4.89	5.61		# of strides	10.60	10.50	0.10
		velocity	8.45	10.68	10.22	8.91	9.48	95.0	9.43	9.52
<b>Young, Isiah (USA) (1990)</b>	time	5.91	10.58	15.54	21.11	21.11	3 / 6			
reaction time	0.147	interval	4.67	4.96	5.57		# of strides	10.58	10.53	0.05
		velocity	8.46	10.71	10.08	8.98	9.47	93.0	9.45	9.50
<b>Kawase, Takanori (JPN) (1994)</b>	time	5.94	10.67	15.65	21.37	21.37	1 / 7			
reaction time	0.152	interval	4.73	4.98	5.72		# of strides	10.67	10.70	-0.03
		velocity	8.42	10.57	10.04	8.74	9.36	98.0	9.37	9.35
<b>Yang Chun-Han (TPE) (1997)</b>	time	5.88	10.67	15.70	21.61	21.61	8 / 8			
reaction time	0.161	interval	4.79	5.03	5.91		# of strides	10.67	10.94	-0.27
		velocity	8.50	10.44	9.94	8.46	9.25	94.5	9.37	9.14

## 2017 Shizuoka International Meeting (Fukuroi, JPN)

### FINAL

date 03-May-17 wind 0.2 m/s Takahashi (2017) - 200m running performance analysis in the 2017 season

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.91	10.59	15.43	20.50	20.50	5 / 2			
reaction time	interval		4.68	4.84	5.07		# of strides	10.59	9.91	0.68
	velocity	8.46	10.68	10.33	9.86	9.76	94.0	9.44	10.09	
<b>Taniguchi, Kotaro (JPN) (1994)</b>	time	6.04	10.78	15.73	20.99	20.99	9 / 3			
reaction time	interval		4.74	4.95	5.26		# of strides	10.78	10.21	0.57
	velocity	8.28	10.55	10.10	9.51	9.53	90.0	9.28	9.79	
<b>Koike, Yuki (JPN) (1995)</b>	time	6.04	10.84	15.77	21.04	21.04	7 / 4			
reaction time	interval		4.80	4.93	5.27		# of strides	10.84	10.20	0.64
	velocity	8.28	10.42	10.14	9.49	9.51	95.2	9.23	9.80	
<b>Hara, Shota (JPN) (1992)</b>	time	6.06	10.92	15.93	21.30	21.30	2 / 6			
reaction time	interval		4.86	5.01	5.37		# of strides	10.92	10.38	0.54
	velocity	8.25	10.29	9.98	9.31	9.39	97.0	9.16	9.63	
<b>Takase, Kei (JPN) (1988)</b>	time	6.03	10.84		23.02	23.02	8 / 7			
reaction time	interval		4.81		12.18		# of strides	10.84	12.18	-1.34
	velocity	8.29	10.40		8.21	8.69		9.23	8.21	

## 2016 Olympic Games (Rio de Janeiro, BRA)

### FINAL

date 18-Aug-16 wind -0.5 m/s Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.67	10.13	14.77	19.78	19.78	6 / 1			
reaction time	0.156	interval	4.46	4.64	5.01		# of strides	10.13	9.65	0.48
	velocity	8.82	11.21	10.78	9.98	10.11	80.0	9.87	10.36	
<b>De Grasse, Andre (CAN) (1994)</b>	time	5.77	10.36	15.06	20.02	20.02	4 / 2			
reaction time	0.141	interval	4.59	4.70	4.96		# of strides	10.36	9.66	0.70
	velocity	8.67	10.89	10.64	10.08	9.99	89.7	9.65	10.35	
<b>Lemaitre, Christophe (FRA) (1989)</b>	time	5.83	10.41	15.11	20.12	20.12	7 / 3			
reaction time	0.153	interval	4.58	4.70	5.01		# of strides	10.41	9.71	0.70
	velocity	8.58	10.92	10.64	9.98	9.94	83.0	9.61	10.30	
<b>Gemili, Adam (GBR) (1993)</b>	time		10.5		20.12	20.12	2 / 4			
reaction time	0.178	interval			9.62		# of strides	10.50	9.62	0.88
	velocity		9.52		10.40	9.94	90.7	9.52	10.40	
<b>Martina, Churandry (NED) (1988)</b>	time		10.3		20.13	20.13	8 / 5			
reaction time	0.148	interval			9.83		# of strides	10.30	9.83	0.47
	velocity		9.71		10.17	9.94	88.5	9.71	10.17	
<b>Merritt, LaShawn (USA) (1986)</b>	time		10.4		20.19	20.19	5 / 6			
reaction time	0.189	interval			9.79		# of strides	10.40	9.79	0.61
	velocity		9.62		10.21	9.91	87.0	9.62	10.21	

<b>Edward, Alonso (PAN) (1989)</b>	time	10.4	20.23	20.23	3 / 7					<i>Butler (2021)</i>
reaction time	0.162	interval	9.83		# of strides	10.40	9.83	0.57		
		velocity	9.62	10.17	9.89	86.0	9.62	10.17		
<b>Guliyev, Ramil (TUR) (1990)</b>	time	10.6	20.43	20.43	1 / 8					<i>Butler (2021)</i>
reaction time	0.141	interval	9.83		# of strides	10.60	9.83	0.77		
		velocity	9.43	10.17	9.79	89.2	9.43	10.17		

**Semi-Final 2**

	date	17-Aug-16	wind	-0.3 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Bolt, Usian (JAM) (1986)</b>	time	5.71	10.20	14.83	19.78	19.78	4 / 1				
reaction time	0.156	interval	4.49	4.63	4.95		# of strides	10.20	9.58	0.62	
		velocity	8.76	11.14	10.80	10.10	10.11		9.80	10.44	
<b>De Grasse, Andre (CAN) (1994)</b>	time	5.77	10.31	14.94	19.80	19.80	5 / 2				
reaction time	0.130	interval	4.54	4.63	4.86		# of strides	10.31	9.49	0.82	
		velocity	8.67	11.01	10.80	10.29	10.10		9.70	10.54	

**Semi-Final 1**

	date	17-Aug-16	wind	-0.4 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Lemaitre, Christophe (FRA) (1991)</b>	time	5.86	10.44	15.09	20.01	20.01	8 / 2				
reaction time	0.125	interval	4.58	4.65	4.92		# of strides	10.44	9.57	0.87	
		velocity	8.53	10.92	10.75	10.16	10.00		9.58	10.45	

**Heat 10**

	date	16-Aug-16	wind	1.0 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>De Grasse, Andre (CAN) (1994)</b>	time	5.78	10.33	15.00	20.09	20.09	/ 1				
reaction time		interval	4.55	4.67	5.09		# of strides	10.33	9.76	0.57	
		velocity	8.65	10.99	10.71	9.82	9.96		9.68	10.25	

**Heat 9**

	date	16-Aug-16	wind	0.6 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Bolt, Usian (JAM) (1986)</b>	time	5.79	10.34	15.08	20.28	20.28	5 / 1				
reaction time		interval	4.55	4.74	5.20		# of strides	10.34	9.94	0.40	
		velocity	8.64	10.99	10.55	9.62	9.86	78.2	9.67	10.06	
<b>Takase, Kei (JPN) (1988)</b>	time	5.84	10.48	15.35	20.71	20.71	2 / 6				
reaction time		interval	4.64	4.87	5.36		# of strides	10.48	10.23	0.25	
		velocity	8.56	10.78	10.27	9.33	9.66		9.54	9.78	

**Heat 8**

	date	16-Aug-16	wind	-1.5 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Lemaitre, Christophe (FRA) (1991)</b>	time	5.94	10.63	15.34	20.28	20.28	2 / 2				
reaction time		interval	4.69	4.71	4.94		# of strides	10.63	9.65	0.98	
		velocity	8.42	10.66	10.62	10.12	9.86		9.41	10.36	

**Heat 5**

	date	16-Aug-16	wind	-1.5 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.98	10.67	15.58	20.86	20.86	8 / 6				
reaction time		interval	4.69	4.91	5.28		# of strides	10.67	10.19	0.48	
		velocity	8.36	10.66	10.18	9.47	9.59		9.37	9.81	

**Heat 3**

	date	16-Aug-16	wind	0.3 m/s	<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.83	10.53	15.33	20.49	20.49	3 / 4				
reaction time		interval	4.70	4.80	5.16		# of strides	10.53	9.96	0.57	
		velocity	8.58	10.64	10.42	9.69	9.76		9.50	10.04	

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

	date	01-Aug-16	wind	-0.1 m/s	<i>Kota (2016) - 69th high school championships: JAF scientific committee - biomechanics</i>						
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Saito, Isami (JPN) (1994)</b>	time	5.93	10.84	15.77	20.97	20.97	6 / 1				
reaction time	0.154	interval	4.91	4.93	5.20	<b>PB</b>	# of strides	10.84	10.13	0.71	

	velocity	8.43	10.18	10.14	9.62	9.54		9.23	9.87	
<b>Someya, Yoshihiro (JPN) (1998)</b>	time	5.81	10.66	15.68	21.02	21.02	7 / 2			
	reaction time	0.166	interval	4.85	5.02	5.34	# of strides	10.66	10.36	0.30
	velocity	8.61	10.31	9.96	9.36	9.51		9.38	9.65	
<b>Imoto, Yoshinobu (JPN) (1999)</b>	time	5.77	10.68	15.71	21.10	21.10	4 / 3			
	reaction time	0.112	interval	4.91	5.03	5.39	# of strides	10.68	10.42	0.26
	velocity	8.67	10.18	9.94	9.28	9.48		9.36	9.60	
<b>Matsuo, Takamasa (JPN) (1998)</b>	time	5.88	10.76	15.78	21.15	21.15	8 / 4			
	reaction time	0.179	interval	4.88	5.02	5.37	# of strides	10.76	10.39	0.37
	velocity	8.50	10.25	9.96	9.31	9.46		9.29	9.62	
<b>Mizukubo, Soshi (JPN) (1999)</b>	time	5.87	10.79	15.83	21.22	21.22	5 / 5			
	reaction time	0.152	interval	4.92	5.04	5.39	# of strides	10.79	10.43	0.36
	velocity	8.52	10.16	9.92	9.28	9.43		9.27	9.59	
<b>Ibuka, Aisei (JPN) (1998)</b>	time	6.03	11.08	16.13	21.47	21.47	2 / 6			
	reaction time	0.158	interval	5.05	5.05	5.34	# of strides	11.08	10.39	0.69
	velocity	8.29	9.90	9.90	9.36	9.32		9.03	9.62	
<b>Murakami, Ryoto (JPN) (1998)</b>	time	5.99	11.09	16.18	21.65	21.65	9 / 7			
	reaction time	0.147	interval	5.10	5.09	5.47	# of strides	11.09	10.56	0.53
	velocity	8.35	9.80	9.82	9.14	9.24		9.02	9.47	

### 2016 London Anniversary Games (London, GBR)

#### FINAL

date 22-Jul-16 wind -0.3 m/s 2016.07.23) - [https://twitter.com/touchdown\\_time/media?lang=en&lang=en&lang=en&lang=en](https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time		10.17		19.89	19.89	6 / 1			
	reaction time	0.157	interval		9.72		# of strides	10.17	9.72	0.45
	velocity		9.83		10.29	10.06		9.83	10.29	
<b>Edward. Alonso (PAN) (1989)</b>	time		10.29		20.04	20.04	7 / 2			
	reaction time	0.129	interval		9.75		# of strides	10.29	9.75	0.54
	velocity		9.72		10.26	9.98		9.72	10.26	
<b>Gemili, Adam (GBR) (1993)</b>	time		10.30		20.07	20.07	8 / 3			
	reaction time	0.144	interval		9.77		# of strides	10.30	9.77	0.53
	velocity		9.71		10.24	9.97		9.71	10.24	

### 2016 USA Olympic Trials (Eugene, OR)

#### FINAL

date 09-Jul-16 wind 1.6 m/s Hymans (2020) - history of the US olympic trials - track and field

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gatlin, Justin (USA) (1982)</b>	time		10.3		19.75	19.75	8 / 1			
	reaction time	0.174	interval		9.45		# of strides	10.30	9.45	0.85
	velocity		9.71		10.58	10.13	84.2	9.71	10.58	
<b>Merritt, LaShawn (USA) (1986)</b>	time		10.4		19.79	19.79	5 / 2			
	reaction time	0.199	interval		9.39		# of strides	10.40	9.39	1.01
	velocity		9.62		10.65	10.11	86.7	9.62	10.65	
<b>Webb, Ameer (USA) (1991)</b>	time		10.5		20.00	20.00	7 / 3			
	reaction time	0.185	interval		9.50		# of strides	10.50	9.50	1.00
	velocity		9.52		10.53	10.00	85.7	9.52	10.53	
<b>Lyles, Noah (USA) (1997)</b>	time		10.5		20.09	20.09	4 / 4			
	reaction time	0.165	interval		9.59	<b>AJR PB</b>	# of strides	10.50	9.59	0.91
	velocity		9.52		10.43	9.96	86.7	9.52	10.43	
<b>Norman, Michael (USA) (1997)</b>	time		10.5		20.14	20.14	6 / 5			
	reaction time	0.191	interval		9.64	<b>PB</b>	# of strides	10.50	9.64	0.86
	velocity		9.52		10.37	9.93	86.5	9.52	10.37	
<b>Gay, Tyson (USA) (1982)</b>	time		10.7		20.38	20.38	2 / 6			

reaction time	0.180	interval		9.68		# of strides	10.70	9.68	1.02
		velocity	9.35	10.33	9.81	89.5	9.35	10.33	
<b>Williams, Kendal (USA) (1995)</b>	time		10.6	20.38	20.38	3 / 7			
reaction time	0.166	interval		9.78		# of strides	10.60	9.78	0.82
		velocity	9.43	10.22	9.81	88.5	9.43	10.22	
<b>McLean, Sean (USA) (1992)</b>	time		10.7	20.63	20.63	1 / 8			
reaction time	0.165	interval		9.93		# of strides	10.70	9.93	0.77
		velocity	9.35	10.07	9.69	90.0	9.35	10.07	

**Semi-Final 3**date 08-Jul-16 wind 1.4 m/s *Hymans (2020) - history of the US olympic trials - track and field*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Merritt, LaShawn (USA) (1986)</b>	time		10.3		19.74	19.74	1 / 1			
reaction time					9.44	<b>PB</b>	# of strides	10.30	9.44	0.86
	interval				10.13			9.71	10.59	
	velocity		9.71		10.59	10.13				

**2016 Japanese National Championships (Nagoya, JPN)****FINAL**date 26-Jun-16 wind 1.8 m/s *Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.81	10.40	15.13	20.11	20.11	6 / 1			
reaction time	0.156		4.59	4.73	4.98	<b>PB</b>	# of strides	10.40	9.71	0.69
	interval		8.61	10.89	10.04	9.95	92.2	9.62	10.30	
	velocity									
<b>Takase, Kei (JPN) (1988)</b>	time	5.89	10.50	15.24	20.31	20.31	7 / 2			
reaction time	0.176		4.61	4.74	5.07		# of strides	10.50	9.81	0.69
	interval		8.49	10.85	10.55	9.85	90.5	9.52	10.19	
	velocity									
<b>Hara, Shota (JPN) (1992)</b>	time	5.89	10.54	15.29	20.33	20.33	5 / 3			
reaction time	0.152		4.65	4.75	5.04	<b>PB</b>	# of strides	10.54	9.79	0.75
	interval		8.49	10.75	10.53	9.92	94.0	9.49	10.21	
	velocity									
<b>Kawase, Takanori (JPN) (1994)</b>	time	5.97	10.74	15.59	20.65	20.65	3 / 4			
reaction time	0.140		4.77	4.85	5.06	<b>PB</b>	# of strides	10.74	9.91	0.83
	interval		8.38	10.48	10.31	9.88	94.2	9.31	10.09	
	velocity									
<b>Oseto, Kazuma (JPN) (1992)</b>	time	5.86	10.56	15.48	20.72	20.72	8 / 5			
reaction time	0.172		4.70	4.92	5.24		# of strides	10.56	10.16	0.40
	interval		8.53	10.64	10.16	9.54	93.7	9.47	9.84	
	velocity									
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.88	10.57	15.46	20.77	20.77	4 / 6			
reaction time	0.164		4.69	4.89	5.31		# of strides	10.57	10.20	0.37
	interval		8.50	10.66	10.22	9.42	89.0	9.46	9.80	
	velocity									
<b>Taniguchi, Kotaro (JPN) (1994)</b>	time	5.98	10.79	15.67	20.81	20.81	1 / 7			
reaction time	0.144		4.81	4.88	5.14		# of strides	10.79	10.02	0.77
	interval		8.36	10.40	10.25	9.73	91.0	9.27	9.98	
	velocity									

**2016 Seiko Golden Grand Prix (Kawasaki, JPN)****FINAL**date 08-May-16 wind -0.6 m/s *Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Brown, Aaron (CAN) (1992)</b>	time	5.70	10.30	15.13	20.32	20.32	6 / 1			
reaction time	0.134		4.60	4.83	5.19		# of strides	10.30	10.02	0.28
	interval		8.77	10.87	10.35	9.63	86.5	9.71	9.98	
	velocity									
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.78	10.39	15.24	20.40	20.40	4 / 2			
reaction time	0.160		4.61	4.85	5.16		# of strides	10.39	10.01	0.38
	interval		8.65	10.85	10.31	9.69	93.5	9.62	9.99	
	velocity									
<b>Bailey, Daniel (ANT) (1986)</b>	time	5.81	10.49	15.41	20.75	20.75	7 / 3			
reaction time	0.151		4.68	4.92	5.34		# of strides	10.49	10.26	0.23
	interval		8.61	10.68	10.16	9.36	92.2	9.53	9.75	
	velocity									
<b>Hara, Shota (JPN) (1992)</b>	time	5.83	10.57	15.47	20.77	20.77	1 / 4			
reaction time	0.109		4.74	4.90	5.30		# of strides	10.57	10.20	0.37
	interval									



	velocity	8.58	10.55	10.20	9.43	9.63	94.0	9.46	9.80	
<b>Xie Zhenye (CHN) (1993)</b>	time	5.92	10.60	15.49	20.78	20.78	3 / 5			
reaction time	0.191 interval		4.68	4.89	5.29		# of strides	10.60	10.18	0.42
	velocity	8.45	10.68	10.22	9.45	9.62	87.7	9.43	9.82	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.91	10.58	15.54	20.90	20.90	5 / 6			
reaction time	0.166 interval		4.67	4.96	5.36		# of strides	10.58	10.32	0.26
	velocity	8.46	10.71	10.08	9.33	9.57	91.0	9.45	9.69	
<b>Yang Chun-Hun (TPE) (1997)</b>	time	5.94	10.67	15.65	21.05	21.05	8 / 7			
reaction time	0.146 interval		4.73	4.98	5.40		# of strides	10.67	10.38	0.29
	velocity	8.42	10.57	10.04	9.26	9.50	91.5	9.37	9.63	
<b>Taniguchi, Kotaro (JPN) (1994)</b>	time	5.88	10.67	15.70	21.16	21.16	2 / 8			
reaction time	0.130 interval		4.79	5.03	5.46		# of strides	10.67	10.49	0.18
	velocity	8.50	10.44	9.94	9.16	9.45	90.7	9.37	9.53	

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

#### FINAL

		date	07-May-16	wind	1.3 m/s	Swiss Athletics (2016) - sprint and hurdle analysis				
			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wilson, Alex (SUI) (1990)</b>	time		5.96	10.46	15.15	15.15	/ 1			<b>50-150m</b>
reaction time	interval			4.50	4.69	PB	# of strides	10.46		9.19
	velocity		8.39	11.11	10.66	9.90		9.56		10.88
<b>Mouthon, Bastien (SUI) (1994)</b>	time		6.02	10.53	15.28	15.28	/ 2			
reaction time	interval			4.51	4.75	PB	# of strides	10.53		9.26
	velocity		8.31	11.09	10.53	9.82		9.50		10.80
<b>Wicki, Silvan (SUI) (1995)</b>	time		5.98	10.70	15.64	15.64	/ 3			
reaction time	interval			4.72	4.94	PB	# of strides	10.70		9.66
	velocity		8.36	10.59	10.12	9.59		9.35		10.35
<b>Burgunder, Jöel (SUI) (1991)</b>	time		5.96	10.69	15.66	15.66	/ 4			
reaction time	interval			4.73	4.97	PB	# of strides	10.69		9.70
	velocity		8.39	10.57	10.06	9.58		9.35		10.31
<b>Somasundaram, Suganthan (SRI) (1991)</b>	time		6.00	10.83	16.01	16.01	/ 5			
reaction time	interval			4.83	5.18	PB	# of strides	10.83		10.01
	velocity		8.33	10.35	9.65	9.37		9.23		9.99
<b>Svensson, Felix (SUI) (1997)</b>	time		6.22	11.06	16.10	16.10	/ 6			
reaction time	interval			4.84	5.04	PB	# of strides	11.06		9.88
	velocity		8.04	10.33	9.92	9.32		9.04		10.12
<b>Chuard, Sylvain (SUI) (1996)</b>	time		6.04	10.87	16.26	16.26	/ 7			
reaction time	interval			4.83	5.39	PB	# of strides	10.87		10.22
	velocity		8.28	10.35	9.28	9.23		9.20		9.78

### 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)

#### FINAL

		date	03-May-16	wind	1.0 m/s	Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad					
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time		5.86	10.52	15.35	20.38	20.38	/ 1			
reaction time	interval			4.66	4.83	5.03		# of strides	10.52	9.86	0.66
	velocity		8.53	10.73	10.35	9.94	9.81		9.51	10.14	
<b>Sani Brown, Abdul Hakim (JPN) (1991)</b>	time		5.81	10.50	15.35	20.54	20.54	/ 2			
reaction time	interval			4.69	4.85	5.19		# of strides	10.50	10.04	0.46
	velocity		8.61	10.66	10.31	9.63	9.74		9.52	9.96	
<b>Hara, Shota (JPN) (1992)</b>	time		5.95	10.70	15.55	20.73	20.73	/ 3			
reaction time	interval			4.75	4.85	5.18		# of strides	10.70	10.03	0.67
	velocity		8.40	10.53	10.31	9.65	9.65		9.35	9.97	
<b>Nagata, Takuya (JPN) (1994)</b>	time		5.95	10.71	15.61	20.86	20.86	/ 4			

reaction time	interval	4.76	4.90	5.25		# of strides	10.71	10.15	0.56	
	velocity	8.40	10.50	10.20	9.52	9.59	9.34	9.85		
<b>Kobayashi, Yuichi (JPN) (1989)</b>	time	5.99	10.76	15.69	20.94	20.94	/ 5			
reaction time	interval		4.77	4.93	5.25		# of strides	10.76	10.18	0.58
	velocity	8.35	10.48	10.14	9.52	9.55		9.29	9.82	
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.96	10.74	15.69	20.97	20.97	/ 6			
reaction time	interval		4.78	4.95	5.28		# of strides	10.74	10.23	0.51
	velocity	8.39	10.46	10.10	9.47	9.54		9.31	9.78	

## 2015 IAAF World Championships (Beijing, CHN)

## FINAL

date 27-Aug-15

wind -0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.67	10.05	14.62	19.55	19.55	6 / 1			
reaction time	interval	0.147	4.38	4.57	4.93		# of strides	10.05	9.50	0.55
	velocity	8.82	11.42	10.94	10.14	10.23	80.0	9.95	10.53	
<b>Gatlin, Justin (USA) (1985)</b>	time	5.62	10.13	14.77	19.74	19.74	4 / 2			
reaction time	interval	0.161	4.51	4.64	4.97		# of strides	10.13	9.61	0.52
	velocity	8.90	11.09	10.78	10.06	10.13	85.0	9.87	10.41	
<b>Jobodwana, Anaso (RSA) (1992)</b>	time	5.82	10.31	14.92	19.87	19.87	7 / 3			
reaction time	interval	0.154	4.49	4.61	4.95	<b>NR / PB</b>	# of strides	10.31	9.56	0.75
	velocity	8.59	11.14	10.85	10.10	10.07	86.2	9.70	10.46	
<b>Edward, Alonso (PAN) (1989)</b>	0.170	no information available				19.87	9 / 7		# of strides	85.5
<b>Hughes, Zharnel (GBR) (1995)</b>	0.119	no information available				<b>PB</b>	20.02	5 / 5	# of strides	87.5
<b>Guliyev, Ramil (TUR) (1990)</b>	0.180	no information available				20.11	3 / 6		# of strides	89.0
<b>Ogunode, Femi (QAT) (1991)</b>	time	5.82	10.44	15.22	20.27	20.27	2 / 7			
reaction time	interval	0.198	4.62	4.78	5.05		# of strides	10.44	9.83	0.61
	velocity	8.59	10.82	10.46	9.90	9.87	91.0	9.58	10.17	
<b>Ashmeade, Nickel (JAM) (1990)</b>	0.132	no information available				20.33	8 / 8		# of strides	85.0

## Semi-Final 3

date 26-Aug-15

wind 0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.75	10.28	14.89	19.95	19.95	7 / 1			
reaction time	interval	0.171	4.53	4.61	5.06		# of strides	10.28	9.67	0.61
	velocity	8.70	11.04	10.85	9.88	10.03	78.2	9.73	10.34	
<b>Jobodwana, Anaso (RSA) (1992)</b>	time	5.85	10.41	15.04	20.01	20.01	6 / 2			
reaction time	interval	0.165	4.56	4.63	4.97		# of strides	10.41	9.60	0.81
	velocity	8.55	10.96	10.80	10.06	10.00	86.0	9.61	10.42	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.84	10.43	15.20	20.34	20.34	5 / 7			
reaction time	interval	0.164	4.59	4.77	5.14		# of strides	10.43	9.91	0.52
	velocity	8.56	10.89	10.48	9.73	9.83	91.0	9.59	10.09	
<b>Takase, Kei (JPN) (1988)</b>	time	5.88	10.53	15.36	20.64	20.64	2 / 8			
reaction time	interval	0.201	4.65	4.83	5.28		# of strides	10.53	10.11	0.42
	velocity	8.50	10.75	10.35	9.47	9.69	91.2	9.50	9.89	

## Semi-Final 2

date 26-Aug-15

wind -0.2 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gatlin, Justin (USA) (1985)</b>	time	5.63	10.15	14.83	19.87	19.87	7 / 1			
reaction time	interval	0.147	4.52	4.68	5.04		# of strides	10.15	9.72	0.43
	velocity	8.88	11.06	10.68	9.92	10.07	83.7	9.85	10.29	
<b>Ogunode, Femi (QAT) (1991)</b>	time	5.73	10.32	15.00	20.05	20.05	6 / 3			
reaction time	interval	0.143	4.59	4.68	5.05	<b>NR / PB</b>	# of strides	10.32	9.73	0.59
	velocity	8.73	10.89	10.68	9.90	9.98	89.7	9.69	10.28	
<b>Sani Brown, Abdul Hakim (JPN)</b>	time	5.86	10.43	15.27	20.47	20.47	9 / 5			

reaction time	0.182	interval	4.57	4.84	5.20		# of strides	10.43	10.04	0.39
		velocity	8.53	10.94	10.33	9.62	9.77	89.0	9.59	9.96

**Heat 7**

date 25-Aug-15 wind -0.4 m/s Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jobodwana, Anaso (RSA) (1992)</b>	time		5.80	10.35	15.09	20.22	20.22	5 / 1			
	reaction time	0.142		4.55	4.74	5.13		# of strides	10.35	9.87	0.48
		interval									
		velocity	8.62	10.99	10.55	9.75	9.89	87.0	9.66	10.13	
<b>Ogunode, Femi (QAT) (1991)</b>	time		5.77	10.37	15.14	20.25	20.25	3 / 2			
	reaction time	0.153		4.60	4.77	5.11		# of strides	10.37	9.88	0.49
		interval									
		velocity	8.67	10.87	10.48	9.78	9.88	91.0	9.64	10.12	
<b>Xie Zhenye (CHN) (1993)</b>	time		5.80	10.37	15.15	20.36	20.36	8 / 3			
	reaction time	0.191		4.57	4.78	5.21	DQ	# of strides	10.37	9.99	0.38
		interval									
		velocity	8.62	10.94	10.46	9.60	9.82	87.0	9.64	10.01	

**Heat 4**

date 25-Aug-15 wind 0.0 m/s Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gatlin, Justin (USA) (1985)</b>	time		5.69	10.28	15.06	20.19	20.19	3 / 1			
	reaction time	0.165		4.59	4.78	5.13		# of strides	10.28	9.91	0.37
		interval									
		velocity	8.79	10.89	10.46	9.75	9.91	85.5	9.73	10.09	
<b>Sani Brown, Abdul Hakim (JPN)</b>	time		5.78	10.38	15.19	20.35	20.35	9 / 2			
	reaction time	0.158		4.60	4.81	5.16		# of strides	10.38	9.97	0.41
		interval									
		velocity	8.65	10.87	10.40	9.69	9.83	82.2	9.63	10.03	

**Heat 3**

date 25-Aug-15 wind 0.1 m/s Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time		5.78	10.30	15.06	20.28	20.28	4 / 1			
	reaction time			4.52	4.76	5.22		# of strides	10.30	9.98	0.32
		interval									
		velocity	8.65	11.06	10.50	9.58	9.86	78.5	9.71	10.02	

**Heat 2**

date 25-Aug-15 wind -0.2 m/s Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Takase, Kei (JPN) (1988)</b>	time		5.78	10.35	15.15	20.33	20.33	6 / 4			
	reaction time	0.174		4.57	4.80	5.18		# of strides	10.35	9.98	0.37
		interval									
		velocity	8.65	10.94	10.42	9.65	9.84	91.0	9.66	10.02	

**Heat 1**

date 25-Aug-15 wind -0.3 m/s Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time		5.82	10.40	15.15	20.28	20.28	2 / 2			
	reaction time	0.166		4.58	4.75	5.13		# of strides	10.40	9.88	0.52
		interval									
		velocity	8.59	10.92	10.53	9.75	9.86	91.5	9.62	10.12	

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

date 01-Aug-15 wind -1.5 m/s Enomoto (2015) - 68th high school championships: JAF scientific committee- biomechanics

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sani Brown, Abdul Hakim (JPN)</b>	time		5.83	10.68	15.58	20.82	20.82	4 / 1			
	reaction time			4.85	4.90	5.24		# of strides	10.68	10.14	0.54
		interval									
		velocity	8.58	10.31	10.20	9.54	9.61		9.36	9.86	
<b>Yamashita, Jun (JPN) (1997)</b>	time		5.89	10.79	15.76	21.21	21.21	6 / 2			
	reaction time			4.90	4.97	5.45		# of strides	10.79	10.42	0.37
		interval									
		velocity	8.49	10.20	10.06	9.17	9.43		9.27	9.60	
<b>Inuzuka, Wataru (JPN) (1997)</b>	time		5.81	10.74	15.79	21.25	21.25	7 / 3			
	reaction time			4.93	5.05	5.46		# of strides	10.74	10.51	0.23
		interval									
		velocity	8.61	10.14	9.90	9.16	9.41		9.31	9.51	
<b>Higuchi, Kazuma (JPN) (1999)</b>	time		6.04	11.09	16.10	21.41	21.41	9 / 4			
	reaction time			5.05	5.01	5.31	PB	# of strides	11.09	10.32	0.77
		interval									
		velocity	8.28	9.90	9.98	9.42	9.34		9.02	9.69	
<b>Oshima, Kenta (JPN) (1997)</b>	time		5.89	10.87	15.93	21.44	21.44	5 / 5			

reaction time	interval	4.98	5.06	5.51		# of strides	10.87	10.57	0.30
	velocity	8.49	10.04	9.88	9.07	9.33	9.20	9.46	
<b>Koike, Maya (JPN) (1997)</b>	time	6.11	10.99	16.12	21.54	21.54	3 / 6		
reaction time	interval	4.88	5.13	5.42		# of strides	10.99	10.55	0.44
	velocity	8.18	10.25	9.75	9.23	9.29	9.10	9.48	
<b>Katsuse, Kendai (JPN) (1997)</b>	time	5.93	10.99	16.13	21.57	21.57	2 / 7		
reaction time	interval	5.06	5.14	5.44		# of strides	10.99	10.58	0.41
	velocity	8.43	9.88	9.73	9.19	9.27	9.10	9.45	
<b>Saito, Ryohei (JPN) (1999)</b>	time	6.09	11.19	16.28	21.68	21.68	8 / 8		
reaction time	interval	5.10	5.09	5.40		# of strides	11.19	10.49	0.70
	velocity	8.21	9.80	9.82	9.26	9.23	8.94	9.53	
<b>Ibuka, Aisei (JPN) (1998)</b>	time	6.13	11.26	16.34	21.71	21.71	1 / 9		
reaction time	interval	5.13	5.08	5.37		# of strides	11.26	10.45	0.81
	velocity	8.16	9.75	9.84	9.31	9.21	8.88	9.57	

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

	date	26-Jul-15	wind	0.4 m/s					(2015) - <a href="http://www.windsprint/Splittider/">www.windsprint/Splittider/</a>		
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tracey, Tyquendo (JAM) (1993)</b>	time			10.74		20.80	20.80	3 / 1			
reaction time	interval					10.06		# of strides	10.74	10.06	0.68
	velocity			9.31		9.94	9.62		9.31	9.94	
<b>Wissman, Johan (SWE) (1982)</b>	time			10.73		20.83	20.83	4 / 2			
reaction time	interval					10.10		# of strides	10.73	10.10	0.63
	velocity			9.32		9.90	9.60		9.32	9.90	
<b>de Oliveira, Nil (SWE) (1986)</b>	time			10.95		21.42	21.42	6 / 3			
reaction time	interval					10.47		# of strides	10.95	10.47	0.48
	velocity			9.13		9.55	9.34		9.13	9.55	
<b>Hyde, Nicklas (DEN) (1986)</b>	time			11.17		21.66	21.66	2 / 4			
reaction time	interval					10.49		# of strides	11.17	10.49	0.68
	velocity			8.95		9.53	9.23		8.95	9.53	
<b>Brown, Kemarley (JAM) (1992)</b>	time			11.18		22.69	22.69	5 / 5			
reaction time	interval					11.51		# of strides	11.18	11.51	-0.33
	velocity			8.94		8.69	8.81		8.94	8.69	

**B FINAL**

	date	26-Jul-15	wind	0.4 m/s					(2015) - <a href="http://www.windsprint/Splittider/">www.windsprint/Splittider/</a>		
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lesser, Alexander (SWE) (1993)</b>	time			11.29		21.71	21.71	2 / 1			
reaction time	interval					10.42		# of strides	11.29	10.42	0.87
	velocity			8.86		9.60	9.21		8.86	9.60	
<b>Lysne, Torbjörn (NOR) (1990)</b>	time			11.43		21.91	21.91	4 / 2			
reaction time	interval					10.48		# of strides	11.43	10.48	0.95
	velocity			8.75		9.54	9.13		8.75	9.54	
<b>Ojuri, Sunday (SWE) (1993)</b>	time			11.26		22.12	22.12	6 / 3			
reaction time	interval					10.86		# of strides	11.26	10.86	0.40
	velocity			8.88		9.21	9.04		8.88	9.21	
<b>Kåstad, Martin (NOR) (1990)</b>	time			11.48		22.35	22.35	3 / 4			
reaction time	interval					10.87		# of strides	11.48	10.87	0.61
	velocity			8.71		9.20	8.95		8.71	9.20	
<b>Ewertzh, Jacob (SWE) (1995)</b>	time			11.53		22.36	22.36	5 / 5			
reaction time	interval					10.83		# of strides	11.53	10.83	0.70
	velocity			8.67		9.23	8.94		8.67	9.23	

**2015 Japanese National Championships (Niigata, JPN)**

## FINAL

date 27-Jun-15

wind 0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.89	10.46	15.22	20.32	20.32	4 / 1				
	reaction time	0.190	interval	4.57	4.76	5.10	<b>PB</b>	# of strides	10.46	9.86	0.60
	velocity	8.49	10.94	10.50	9.80	9.84	91.5	9.56	10.14		
<b>Sani Brown, Abdul Hakim (JPN)</b>	time	5.89	10.54	15.43	20.57	20.57	5 / 2				
	reaction time	0.168	interval	4.65	4.89	5.14	# of strides	10.54	10.03	0.51	
	velocity	8.49	10.75	10.22	9.73	9.72	85.7	9.49	9.97		
<b>Takase, Kei (JPN) (1988)</b>	time	5.84	10.48	15.36	20.57	20.57	6 / 3				
	reaction time	0.150	interval	4.64	4.88	5.21	# of strides	10.48	10.09	0.39	
	velocity	8.56	10.78	10.25	9.60	9.72	91.0	9.54	9.91		
<b>Nagata, Takuya (JPN) (1994)</b>	time	5.89	10.56	15.47	20.63	20.63	8 / 4				
	reaction time	0.142	interval	4.67	4.91	5.16	<b>PB</b>	# of strides	10.56	10.07	0.49
	velocity	8.49	10.71	10.18	9.69	9.69	92.0	9.47	9.93		
<b>Hara, Shota (JPN) (1992)</b>	time	6.00	10.73	15.63	20.88	20.88	3 / 5				
	reaction time	0.166	interval	4.73	4.90	5.25	# of strides	10.73	10.15	0.58	
	velocity	8.33	10.57	10.20	9.52	9.58	96.0	9.32	9.85		
<b>Taniguchi, Kotara (JPN) (1994)</b>	time	6.02	10.77	15.68	20.89	20.89	1 / 6				
	reaction time	0.167	interval	4.75	4.91	5.21	# of strides	10.77	10.12	0.65	
	velocity	8.31	10.53	10.18	9.60	9.57	91.0	9.29	9.88		
<b>Koike, Yuki (JPN) (1995)</b>	time	6.01	10.81	15.73	20.97	20.97	9 / 7				
	reaction time	0.146	interval	4.80	4.92	5.24	# of strides	10.81	10.16	0.65	
	velocity	8.32	10.42	10.16	9.54	9.54	95.2	9.25	9.84		
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.96	10.73	15.69	21.16	21.16	2 / 8				
	reaction time	0.175	interval	4.77	4.96	5.47	# of strides	10.73	10.43	0.30	
	velocity	8.39	10.48	10.08	9.14	9.45	86.0	9.32	9.59		

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

## FINAL

date 10-May-15

wind -0.5 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time	5.82	10.42	15.22	20.33	20.33	6 / 1			
	reaction time		interval	4.60	4.80	5.11	# of strides	10.42	9.91	0.51
	velocity	8.59	10.87	10.42	9.78	9.84	91.0	9.60	10.09	
<b>Nkanata, Carvin (KEN) (1991)</b>	time	5.94	10.54	15.36	20.50	20.50	5 / 2			
	reaction time		interval	4.60	4.82	5.14	# of strides	10.54	9.96	0.58
	velocity	8.42	10.87	10.37	9.73	9.76	87.5	9.49	10.04	
<b>Xie Zhenye (CHN) (1993)</b>	time	6.02	10.65	15.46	20.61	20.61	8 / 3			
	reaction time		interval	4.63	4.81	5.15	# of strides	10.65	9.96	0.69
	velocity	8.31	10.80	10.40	9.71	9.70	89.2	9.39	10.04	
<b>Brown, Jermaine (JAM) (1991)</b>	time	5.93	10.61	15.53	20.78	20.78	3 / 4			
	reaction time		interval	4.68	4.92	5.25	# of strides	10.61	10.17	0.44
	velocity	8.43	10.68	10.16	9.52	9.62	92.2	9.43	9.83	
<b>Iizuka, Shota (JPN) (1992)</b>	time	5.91	10.60	15.55	20.79	20.79	7 / 5			
	reaction time		interval	4.69	4.95	5.24	# of strides	10.60	10.19	0.41
	velocity	8.46	10.66	10.10	9.54	9.62	94.2	9.43	9.81	
<b>Hara, Shota (JPN) (1992)</b>	time	6.00	10.70	15.64	20.95	20.95	2 / 6			
	reaction time		interval	4.70	4.94	5.31	# of strides	10.70	10.25	0.45
	velocity	8.33	10.64	10.12	9.42	9.55	96.0	9.35	9.76	
<b>Hardy, Prezel (USA) (1992)</b>	time	5.88	10.59	15.59	21.08	21.08	4 / 7			
	reaction time		interval	4.71	5.00	5.49	# of strides	10.59	10.49	0.10
	velocity	8.50	10.62	10.00	9.11	9.49	93.5	9.44	9.53	
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.91	10.71	15.74	21.21	21.21	1 / 8			

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

reaction time	interval	4.80	5.03	5.47		# of strides	10.71	10.50	0.21
	velocity	8.46	10.42	9.94	9.14	9.43	86.5	9.34	9.52

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

	date	18-Apr-15	wind	1.5 m/s	<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time		5.96	10.63	15.39	20.43	20.43	5 / 1			
	reaction time	interval		4.67	4.76	5.04		# of strides	10.63	9.80	0.83
		velocity	8.39	10.71	10.50	9.92	9.79	91.0	9.41	10.20	
<b>Hashimoto, Akiyuki (JPN) (1994)</b>	time		5.94	10.63	15.39	20.71	20.71	3 / 2			
	reaction time	interval		4.69	4.76	5.32		# of strides	10.63	10.08	0.55
		velocity	8.42	10.66	10.50	9.40	9.66	90.7	9.41	9.92	
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time		5.95	10.67	15.55	20.80	20.80	6 / 3			
	reaction time	interval		4.72	4.88	5.25		# of strides	10.67	10.13	0.54
		velocity	8.40	10.59	10.25	9.52	9.62	93.0	9.37	9.87	
<b>Taniguchi, Kotaro (JPN) (1994)</b>	time		6.06	10.89	15.78	20.93	20.93	7 / 4			
	reaction time	interval		4.83	4.89	5.15		# of strides	10.89	10.04	0.85
		velocity	8.25	10.35	10.22	9.71	9.56	91.5	9.18	9.96	
<b>Oseto, Kazuma (JPN) (1994)</b>	time		5.90	10.74	15.71	21.01	21.01	2 / 5			
	reaction time	interval		4.84	4.97	5.30		# of strides	10.74	10.27	0.47
		velocity	8.47	10.33	10.06	9.43	9.52	95.0	9.31	9.74	
<b>Koike, Yuki (JPN) (1995)</b>	time		6.08	10.98	15.87	21.09	21.09	1 / 6			
	reaction time	interval		4.90	4.89	5.22		# of strides	10.98	10.11	0.87
		velocity	8.22	10.20	10.22	9.58	9.48	95.2	9.11	9.89	
<b>Hara, Shota (JPN) (1992)</b>	time		6.17	10.99	15.84	21.10	21.10	8 / 7			
	reaction time	interval		4.82	4.85	5.26		# of strides	10.99	10.11	0.88
		velocity	8.10	10.37	10.31	9.51	9.48	95.7	9.10	9.89	

**2014 European Championships (Zurich, SUI)****Heat 4**

	date	14-Aug-14	wind	-0.2 m/s a (2014) - <a href="http://www.youtube.com/watch?v=tpgO9k0qovE&amp;list=UU7691fXeyNFIMROfkJ-WWUg">www.youtube.com/watch?v=tpgO9k0qovE&amp;list=UU7691fXeyNFIMROfkJ-WWUg</a>							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Desalu, Eseosa (ITA) (1994)</b>	time			10.57		20.55	20.55	4 / 2			
	reaction time	0.124	interval			9.98	<b>PB</b>	# of strides	10.57	9.98	0.59
			velocity	9.46		10.02	9.73		9.46	10.02	

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

	date	02-Aug-14	wind	-1.6 m/s	<i>Yanagiya (2014) - research on athlete performance and technique- 2014 data book</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Konno, Kyosuke (JPN) (1996)</b>	time		5.79	10.65	15.67	21.08	21.08	6 / 1			
	reaction time		interval	4.86	5.02	5.41		# of strides	10.65	10.43	0.22
			velocity	8.64	10.29	9.96	9.24	9.49	9.39	9.59	
<b>Sani Brown, Abdul Hakim (JPN)</b>	time		5.87	10.78	15.83	21.21	21.21	4 / 2			
	reaction time		interval	4.91	5.05	5.38	<b>PB</b>	# of strides	10.78	10.43	0.35
			velocity	8.52	10.18	9.90	9.29	9.43	9.28	9.59	
<b>Yamashita, Jun (JPN) (1997)</b>	time		5.95	10.89	15.89	21.27	21.27	3 / 3			
	reaction time		interval	4.94	5.00	5.38		# of strides	10.89	10.38	0.51
			velocity	8.40	10.12	10.00	9.29	9.40	9.18	9.63	
<b>Takamatsu, Yutaka (JPN) (1997)</b>	time		6.02	10.99	16.01	21.38	21.38	5 / 4			
	reaction time		interval	4.97	5.02	5.37		# of strides	10.99	10.39	0.60
			velocity	8.31	10.06	9.96	9.31	9.35	9.10	9.62	
<b>Nagata, Shunto (JPN) (1996)</b>	time		5.96	10.92	15.98	21.40	21.40	8 / 5			
	reaction time		interval	4.96	5.06	5.42		# of strides	10.92	10.48	0.44
			velocity	8.39	10.08	9.88	9.23	9.35	9.16	9.54	
<b>Oshima, Kenta (JPN) (1997)</b>	time		5.90	10.93	16.00	21.47	21.47	1 / 6			

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

reaction time	interval	5.03	5.07	5.47		# of strides	10.93	10.54	0.39
	velocity	8.47	9.94	9.86	9.14	9.32	9.15	9.49	
<b>Mogami, Koki (JPN) (1996)</b>	time	6.02	11.04	16.15	21.58	21.58	7 / 7		
reaction time	interval	5.02	5.11	5.43		# of strides	11.04	10.54	0.50
	velocity	8.31	9.96	9.78	9.21	9.27	9.06	9.49	
<b>Kawabe, Jun-ya (JPN) (1996)</b>	time	5.97	10.96	16.11	21.66	21.66	2 / 8		
reaction time	interval	4.99	5.15	5.55		# of strides	10.96	10.70	0.26
	velocity	8.38	10.02	9.70	9.01	9.23	9.12	9.35	

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

date		20-Jul-14	wind	1.1 m/s	Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Saidy Ndure, Jaysuma (NOR) (1time)</b>	time			10.67		20.61	20.61	5 / 1			
reaction time	interval					9.94		# of strides	10.67	9.94	0.73
	velocity			9.37		10.06	9.70		9.37	10.06	
<b>Forte, Julian (JAM) (1993)</b>	time			10.69		20.65	20.65	3 / 2			
reaction time	interval					9.96		# of strides	10.69	9.96	0.73
	velocity			9.35		10.04	9.69		9.35	10.04	
<b>Wissman, Johan (SWE) (1982)</b>	time			10.92		20.67	20.67	6 / 3			
reaction time	interval					9.75		# of strides	10.92	9.75	1.17
	velocity			9.16		10.26	9.68		9.16	10.26	
<b>Andersson, Patrik (SWE) (1991)</b>	time			10.93		21.28	21.28	2 / 4			
reaction time	interval					10.35		# of strides	10.93	10.35	0.58
	velocity			9.15		9.66	9.40		9.15	9.66	
<b>Brown, Kemarley (JAM) (1992)</b>	time			10.84		21.40	21.40	4 / 5			
reaction time	interval					10.56		# of strides	10.84	10.56	0.28
	velocity			9.23		9.47	9.35		9.23	9.47	

**B FINAL**

date		20-Jul-14	wind	2.1 m/s	Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>de Oliveira, Nil (SWE) (1986)</b>	time			10.99		21.09	21.09	4 / 1			
reaction time	interval					10.10		# of strides	10.99	10.10	0.89
	velocity			9.10		9.90	9.48		9.10	9.90	
<b>Groth, Joel (SWE) (1991)</b>	time			11.15		21.35	21.35	5 / 2			
reaction time	interval					10.20		# of strides	11.15	10.20	0.95
	velocity			8.97		9.80	9.37		8.97	9.80	
<b>von Barth, Emil (SWE) (1996)</b>	time			11.15		21.70	21.70	2 / 3			
reaction time	interval					10.55		# of strides	11.15	10.55	0.60
	velocity			8.97		9.48	9.22		8.97	9.48	
<b>Grønnaug, Jonas (NOR) (1989)</b>	time			11.35		21.73	21.73	6 / 4			
reaction time	interval					10.38		# of strides	11.35	10.38	0.97
	velocity			8.81		9.63	9.20		8.81	9.63	
<b>Ojuri, Sunday (SWE) (1993)</b>	time			11.25		21.84	21.84	3 / 5			
reaction time	interval					10.59		# of strides	11.25	10.59	0.66
	velocity			8.89		9.44	9.16		8.89	9.44	

**C FINAL**

date		20-Jul-14	wind	1.5 m/s	Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Armfelt, Carl (SWE) (1984)</b>	time			10.98		21.51	21.51	4 / 1			
reaction time	interval					10.53	<b>PB</b>	# of strides	10.98	10.53	0.45
	velocity			9.11		9.50	9.30		9.11	9.50	
<b>Lilja, Johan (SWE) (1995)</b>	time			11.12		21.60	21.60	2 / 2			
reaction time	interval					10.48	<b>PB</b>	# of strides	11.12	10.48	0.64
	velocity			8.99		9.54	9.26		8.99	9.54	

<b>Ewertzh, Jacob (SWE) (1995)</b>	time	11.13	21.73	21.73	3 / 3				
reaction time	interval		10.60	<b>PB</b>	# of strides	11.13	10.60	0.53	
	velocity	8.98	9.43	9.20		8.98	9.43		

**D FINAL** date 20-Jul-14 wind 2.5 m/s Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Annerfalk, Erik (SWE) (1994)</b>	time		11.28		22.00	22.00	4 / 1			
reaction time	interval				10.72		# of strides	11.28	10.72	0.56
	velocity		8.87		9.33	9.09		8.87	9.33	
<b>Lesser, Alexander (SWE) (1993)</b>	time		11.47		22.18	22.18	5 / 2			
reaction time	interval				10.71		# of strides	11.47	10.71	0.76
	velocity		8.72		9.34	9.02		8.72	9.34	

**E FINAL** date 20-Jul-14 wind 1.7 m/s Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Storhaug, Lars-Jøran (NOR) (1991)</b>	time		11.39		22.14	22.14	3 / 1			
reaction time	interval				10.75	<b>PB</b>	# of strides	11.39	10.75	0.64
	velocity		8.78		9.30	9.03		8.78	9.30	
<b>Axelson, Truls (SWE) (1993)</b>	time		11.65		22.47	22.47	2 / 2			
reaction time	interval				10.82	<b>PB</b>	# of strides	11.65	10.82	0.83
	velocity		8.58		9.24	8.90		8.58	9.24	
<b>Van den Hende, Mulamba (BEL) (1991)</b>	time		11.59		22.57	22.57	4 / 3			
reaction time	interval				10.98		# of strides	11.59	10.98	0.61
	velocity		8.63		9.11	8.86		8.63	9.11	
<b>Bull Hjeltnes, Marius (NOR) (1991)</b>	time		11.60		22.64	22.64	5 / 4			
reaction time	interval				11.04		# of strides	11.60	11.04	0.56
	velocity		8.62		9.06	8.83		8.62	9.06	
<b>Inostroza, Giovanni (SWE) (1991)</b>	time		11.84		22.84	22.84	6 / 5			
reaction time	interval				11.00		# of strides	11.84	11.00	0.84
	velocity		8.45		9.09	8.76		8.45	9.09	

**F FINAL** date 20-Jul-14 wind 1.2 m/s Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lid, Sondre Nyvold (NOR) (1991)</b>	time		11.24		21.83	21.83	6 / 1			
reaction time	interval				10.59		# of strides	11.24	10.59	0.65
	velocity		8.90		9.44	9.16		8.90	9.44	
<b>Dang, Joakim (NOR) (1990)</b>	time		11.35		22.65	22.65	5 / 2			
reaction time	interval				11.30		# of strides	11.35	11.30	0.05
	velocity		8.81		8.85	8.83		8.81	8.85	

**G FINAL** date 20-Jul-14 wind 1.4 m/s Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sundvall, Hjalmar (SWE) (1994)</b>	time		11.61		22.99	22.99	3 / 1			
reaction time	interval				11.38		# of strides	11.61	11.38	0.23
	velocity		8.61		8.79	8.70		8.61	8.79	
<b>Rask, Jesper (SWE) (1997)</b>	time		11.78		23.04	23.04	4 / 2			
reaction time	interval				11.26		# of strides	11.78	11.26	0.52
	velocity		8.49		8.88	8.68		8.49	8.88	
<b>Gerlach, Mikael (SWE) (1984)</b>	time		12.01		23.20	23.20	3 / 3			
reaction time	interval				11.19		# of strides	12.01	11.19	0.82
	velocity		8.33		8.94	8.62		8.33	8.94	
<b>Eriksson, Dennis (SWE) (1993)</b>	time		12.34		24.28	24.28	2 / 4			
reaction time	interval				11.94		# of strides	12.34	11.94	0.40
	velocity		8.10		8.38	8.24		8.10	8.38	



<b>H FINAL</b>		date	20-Jul-14	wind	2.5 m/s	<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wall, Fredrik (SWE) (1997)</b>	time				12.39		24.15	24.15	4 / 1			
	reaction time	interval					11.76		# of strides	12.39	11.76	0.63
		velocity			8.07		8.50	8.28			8.07	8.50
<b>Tømmervik, Sindre (NOR) (1997)</b>	time				12.87		24.93	24.93	5 / 2			
	reaction time	interval					12.06		# of strides	12.87	12.06	0.81
		velocity			7.77		8.29	8.02			7.77	8.29

**2014 Shizuoka International Athletics Meeting (Fukuroi, JPN)**

<b>FINAL</b>		date	03-May-14	wind	0.8 m/s	<i>Koyama (2014) - research on athlete performance and technique- 2014 data book</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time			5.88	10.48	15.23	20.39	20.39	/ 1			
	reaction time	interval			4.60	4.75	5.16		# of strides	10.48	9.91	0.57
		velocity			8.50	10.87	10.53	9.69	9.81		9.54	10.09
<b>Takase, Kei (JPN) (1988)</b>	time			5.93	10.56	15.30	20.45	20.45	/ 2			
	reaction time	interval			4.63	4.74	5.15		# of strides	10.56	9.89	0.67
		velocity			8.43	10.80	10.55	9.71	9.78		9.47	10.11
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time			6.06	10.73	15.54	20.74	20.74	/ 5			
	reaction time	interval			4.67	4.81	5.20		# of strides	10.73	10.01	0.72
		velocity			8.25	10.71	10.40	9.62	9.64		9.32	9.99
<b>Kobayashi, Yuichi (JPN) (1989)</b>	time			6.13	10.86	15.76	20.94	20.94	/ 8			
	reaction time	interval			4.73	4.90	5.18		# of strides	10.86	10.08	0.78
		velocity			8.16	10.57	10.20	9.65	9.55		9.21	9.92

<b>B Final</b>		date	03-May-14	wind	0.6 m/s	<i>Koyama (2014) - research on athlete performance and technique- 2014 data book</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Takahira, Shinji (JPN) (1984)</b>	time			5.88	10.54	15.25	20.50	20.50	/ 2			
	reaction time	interval			4.66	4.71	5.25		# of strides	10.54	9.96	0.58
		velocity			8.50	10.73	10.62	9.52	9.76		9.49	10.04
<b>Koike, Yuki (JPN) (1995)</b>	time			5.95	10.57	15.30	20.61	20.61	/ 3			
	reaction time	interval			4.62	4.73	5.31	<b>PB</b>	# of strides	10.57	10.04	0.53
		velocity			8.40	10.82	10.57	9.42	9.70		9.46	9.96

**2013 IAAF World Championships (Moscow, RUS)**

<b>FINAL</b>		date	17-Aug-13	wind	0.0 m/s	<i>Yanagiya (2014) - research on athlete performance and technique- 2014 data book</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	0.177			no information available				19.66	4 / 1		# of strides	80.2
<b>Weir, Warren (JAM) (1989)</b>	0.176			no information available			<b>=PB</b>	19.79	8 / 2		# of strides	88.0
<b>Mitchell, Curtis (USA) (1989)</b>	0.147			no information available				20.04	3 / 3		# of strides	86.7
<b>Ashmeade, Nickel (JAM) (1990)</b>	0.145			no information available				20.05	6 / 4		# of strides	87.2
<b>Gemili, Adam (GBR) (1993)</b>	0.151			no information available				20.08	5 / 5		# of strides	89.2
<b>Jobodwana, Anaso (RSA) (1992)</b>	0.172			no information available				20.14	7 / 6		# of strides	92.0
<b>Martina, Churandy (NED) (1984)</b>	0.138			no information available				20.35	1 / 7		# of strides	87.5
<b>Saidy Ndure, Jaysuma (NOR) (1991)</b>	0.145			no information available				20.37	2 / 8		# of strides	83.7

**2013 Japanese National High School Championships (Oita, JPN)**

<b>FINAL</b>		date	02-Aug-13	wind	-1.2 m/s	<i>Yanagiya (2014) - research on athlete performance and technique- 2014 data book</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time				10.60	15.47	20.66	20.66	/ 1			
	reaction time	interval				4.87	5.19		# of strides	10.60	10.06	0.54
		velocity			9.43	10.27	9.63	9.68			9.43	9.94

**2013 Windsprint (Sundsvall, SWE)**

<b>A FINAL</b>		date	28-Jul-13	wind	2.2 m/s	<i>(2013) - www.ssg.se/windsprint/Splittider/</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Saidy Ndure, Jaysuma (NOR) (1991)</b>	time				10.43	15.11	20.12	20.12	5 / 1			
	reaction time	interval				4.68	5.01		# of strides	10.43	9.69	0.74
		velocity			9.59	10.68	9.98	9.94			9.59	10.32

<b>Nevers, Adolphus (JAM) (1990)</b>	time	10.52	15.38	20.58	20.58	6 / 2			
reaction time	interval		4.86	5.20		# of strides	10.52	10.06	0.46
	velocity	9.51	10.29	9.62	9.72	86.0	9.51	9.94	
<b>Wissman, Johan (SWE) (1982)</b>	time	10.78	15.55	20.64	20.64	4 / 3			
reaction time	interval		4.77	5.09		# of strides	10.78	9.86	0.92
	velocity	9.28	10.48	9.82	9.69	87.2	9.28	10.14	
<b>Engel, Roscoe (RSA) (1989)</b>	time	10.68	15.51	20.68	20.68	3 / 4			
reaction time	interval		4.83	5.17		# of strides	10.68	10.00	0.68
	velocity	9.36	10.35	9.67	9.67	92.7	9.36	10.00	
<b>Fisher, Andrew (JAM) (1991)</b>	time	10.61	15.51	21.08	21.08	1 / 5			
reaction time	interval		4.90	5.57		# of strides	10.61	10.47	0.14
	velocity	9.43	10.20	8.98	9.49	87.5	9.43	9.55	
<b>Dreyer, Hannes (RSA) (1985)</b>	time	10.83	15.89	21.29	21.29	2 / 6			
reaction time	interval		5.06	5.40		# of strides	10.83	10.46	0.37
	velocity	9.23	9.88	9.26	9.39	91.5	9.23	9.56	

**B FINAL**

date 28-Jul-13 wind 3.1 m/s

(2013) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Forte, Julian (JAM) (1993)</b>	time		10.52	15.25	20.22	20.22	4 / 1			
reaction time	interval			4.73	4.97		# of strides	10.52	9.70	0.82
	velocity		9.51	10.57	10.06	9.89		9.51	10.31	
<b>Kling-Baptiste, Tom (SWE) (1985)</b>	time		10.79	15.68	20.75	20.75	3 / 2			
reaction time	interval			4.89	5.07		# of strides	10.79	9.96	0.83
	velocity		9.27	10.22	9.86	9.64		9.27	10.04	
<b>Magakwe, Simon (RSA) (1985)</b>	time		10.86	15.70	20.93	20.93	6 / 3			
reaction time	interval			4.84	5.23		# of strides	10.86	10.07	0.79
	velocity		9.21	10.33	9.56	9.56		9.21	9.93	
<b>Tärnhuvud, Stefan (SWE) (1985)</b>	time		10.99	15.96	21.32	21.32	5 / 4			
reaction time	interval			4.97	5.36		# of strides	10.99	10.33	0.66
	velocity		9.10	10.06	9.33	9.38		9.10	9.68	
<b>Nordkvist, Alexander (SWE) (1985)</b>	time		11.21	16.41	21.88	21.88	2 / 5			
reaction time	interval			5.20	5.47		# of strides	11.21	10.67	0.54
	velocity		8.92	9.62	9.14	9.14		8.92	9.37	

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

date 16-Jun-13 wind -0.9 m/s

Feher (2013) - Final report from men's &amp; women's Czech Republic national champs

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Maslák, Pavel (CZE) (1991)</b>	time		6.08	10.78	15.67	20.67	5 / 1			
reaction time 0.216	interval			4.70	4.89	5.00	# of strides	10.78	9.89	0.89
	velocity		8.22	10.64	10.22	10.00	9.68	9.28	10.11	
<b>Štastný, Lukáš (CZE) (1991)</b>	time		6.12	10.86	15.80	20.99	3 / 2			
reaction time 0.167	interval			4.74	4.94	5.19	# of strides	10.86	10.13	0.73
	velocity		8.17	10.55	10.12	9.63	9.53	9.21	9.87	
<b>Jirka, Jan (CZE) (1993)</b>	time		6.17	10.97	16.01	21.26	4 / 3			
reaction time 0.198	interval			4.80	5.04	5.25	# of strides	10.97	10.29	0.68
	velocity		8.10	10.42	9.92	9.52	9.41	9.12	9.72	
<b>Szetei, Petr (CZE) (1984)</b>	time		6.30	11.12	16.10	21.35	6 / 4			
reaction time 0.236	interval			4.82	4.98	5.25	# of strides	11.12	10.23	0.89
	velocity		7.94	10.37	10.04	9.52	9.37	8.99	9.78	
<b>Nemeček, Daniel (CZE) (1991)</b>	time		6.21	11.04	16.14	21.49	8 / 5			
reaction time 0.199	interval			4.83	5.10	5.35	# of strides	11.04	10.45	0.59
	velocity		8.05	10.35	9.80	9.35	9.31	9.06	9.57	

<b>Šulc, Vojtech (CZE) (1986)</b>	time	6.15	10.97	16.10	21.54	21.54	7 / 6			
reaction time	0.207	interval	4.82	5.13	5.44		# of strides	10.97	10.57	0.40
		velocity	8.13	10.37	9.75	9.19	9.29	9.12	9.46	
<b>Šorm, Patrik (CZE) (1993)</b>	time	6.31	11.27	16.47	21.88	21.88	2 / 7			
reaction time	0.179	interval	4.96	5.20	5.41		# of strides	11.27	10.61	0.66
		velocity	7.92	10.08	9.62	9.24	9.14	8.87	9.43	
<b>Hedvičák, Jaroslav (CZE) (1990)</b>	time	6.22	11.22	16.52	22.16	22.16	1 / 8			
reaction time	0.165	interval	5.00	5.30	5.64		# of strides	11.22	10.94	0.28
		velocity	8.04	10.00	9.43	8.87	9.03	8.91	9.14	

## Heat 3

date 16-Jun-13

wind -0.9 m/s

Feher (2013) - Final report from men's &amp; women's Czech Republic national champs

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Maslák, Pavel (CZE) (1991)</b>	time	6.08	10.80	15.67	20.69	20.69	4 / 1			
reaction time	0.184	interval	4.72	4.87	5.02		# of strides	10.80	9.89	0.91
		velocity	8.22	10.59	10.27	9.96	9.67	9.26	10.11	
<b>Šulc, Vojtech (CZE) (1986)</b>	time	6.22	11.01	16.12	21.57	21.57	5 / 2			
reaction time	0.231	interval	4.79	5.11	5.45		# of strides	11.01	10.56	0.45
		velocity	8.04	10.44	9.78	9.17	9.27	9.08	9.47	
<b>Šorm, Patrik (CZE) (1993)</b>	time	6.26	11.18	16.37	21.88	21.88	3 / 3			
reaction time	0.162	interval	4.92	5.19	5.51		# of strides	11.18	10.70	0.48
		velocity	7.99	10.16	9.63	9.07	9.14	8.94	9.35	
<b>Petrák, Miloslav (CZE) (1993)</b>	time	6.27	11.22	16.53	22.16	22.16	2 / 4			
reaction time	0.178	interval	4.95	5.31	5.63		# of strides	11.22	10.94	0.28
		velocity	7.97	10.10	9.42	8.88	9.03	8.91	9.14	
<b>Svoboda, Vojtech (CZE) (1995)</b>	time	6.25	11.15	16.43	22.20	22.20	6 / 5			
reaction time	0.227	interval	4.90	5.28	5.77		# of strides	11.15	11.05	0.10
		velocity	8.00	10.20	9.47	8.67	9.01	8.97	9.05	
<b>Nohava, Vojtech (CZE) (1992)</b>	time	6.33	11.30	16.64	22.42	22.42	7 / 6			
reaction time	0.267	interval	4.97	5.34	5.78		# of strides	11.30	11.12	0.18
		velocity	7.90	10.06	9.36	8.65	8.92	8.85	8.99	

## Heat 2

date 16-Jun-13

wind 0.8 m/s

Feher (2013) - Final report from men's &amp; women's Czech Republic national champs

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jirka, Jan (CZE) (1993)</b>	time	6.19	10.93	16.00	21.27	21.27	4 / 1			
reaction time	0.200	interval	4.74	5.07	5.27		# of strides	10.93	10.34	0.59
		velocity	8.08	10.55	9.86	9.49	9.40	9.15	9.67	
<b>Szetei, Petr (CZE) (1984)</b>	time	6.28	10.98	15.99	21.33	21.33	5 / 2			
reaction time	0.244	interval	4.70	5.01	5.34		# of strides	10.98	10.35	0.63
		velocity	7.96	10.64	9.98	9.36	9.38	9.11	9.66	
<b>Hedvičák, Jaroslav (CZE) (1990)</b>	time	6.21	11.14	16.40	21.96	21.96	3 / 3			
reaction time	0.171	interval	4.93	5.26	5.56		# of strides	11.14	10.82	0.32
		velocity	8.05	10.14	9.51	8.99	9.11	8.98	9.24	
<b>Ondráček, Jan (CZE) (1988)</b>	time	6.35	11.24	16.50	21.99	21.99	6 / 4			
reaction time	0.246	interval	4.89	5.26	5.49		# of strides	11.24	10.75	0.49
		velocity	7.87	10.22	9.51	9.11	9.10	8.90	9.30	
<b>Brož, Michal (CZE) (1992)</b>	time	6.44	11.46	16.52	22.14	22.14	7 / 5			
reaction time	0.198	interval	5.02	5.06	5.62		# of strides	11.46	10.68	0.78
		velocity	7.76	9.96	9.88	8.90	9.03	8.73	9.36	
<b>Kuptík, Ondrej (CZE) (1991)</b>	time	6.29	11.24	16.72	22.14	22.14	8 / 6			
reaction time	0.176	interval	4.95	5.48	5.42		# of strides	11.24	10.90	0.34
		velocity	7.95	10.10	9.12	9.23	9.03	8.90	9.17	
<b>Boček, Tomáš (CZE) (1993)</b>	time	6.35	11.35	16.68	22.34	22.34	2 / 7			
reaction time	0.176	interval	5.00	5.33	5.66		# of strides	11.35	10.99	0.36

velocity	7.87	10.00	9.38	8.83	8.95	8.81	9.10
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**Heat 1**

date	16-Jun-13	wind	-0.7 m/s	<i>Feher (2013) - Final report from men's &amp; women's Czech Republic national champs</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Štastný, Lukáš (CZE) (1991)</b>	time	6.27	11.13	16.22	21.63	21.63	4 / 1			
reaction time	0.211	interval	4.86	5.09	5.41		# of strides	11.13	10.50	0.63
		velocity	7.97	10.29	9.82	9.25		8.98	9.52	
<b>Nemeček, Daniel (CZE) (1991)</b>	time	6.28	11.17	16.29	21.70	21.70	5 / 2			
reaction time	0.197	interval	4.89	5.12	5.41		# of strides	11.17	10.53	0.64
		velocity	7.96	10.22	9.77	9.24		8.95	9.50	
<b>Klvana, Filip (CZE) (1977)</b>	time	6.28	11.29	16.57	22.20	22.20	6 / 3			
reaction time	0.141	interval	5.01	5.28	5.63		# of strides	11.29	10.91	0.38
		velocity	7.96	9.98	9.47	8.88		8.86	9.17	
<b>Feher, Jan (CZE) (1986)</b>	time	6.35	11.46	16.90	22.69	22.69	7 / 4			
reaction time	0.156	interval	5.11	5.44	5.79		# of strides	11.46	11.23	0.23
		velocity	7.87	9.78	9.19	8.64		8.73	8.90	

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

date	25-May-13	wind	-1.0 m/s	<i>Minshull (2013) - world bests for shakes-drayton and felix in manchester</i>						
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		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Lemaitre, Christophe (FRA) (1984)</b>	time	5.76	10.22	14.90	14.90	2 / 1			<i>Jalava (2013)</i>
reaction time		interval	4.46	4.68		# of strides	10.22		9.14
		velocity	8.68	11.21	10.68		9.78		10.94
<b>Collins, Kim (SKN) (1976)</b>	time		10.22	15.15	15.15	1 / 2			<i>Minshull (2013)</i>
reaction time		interval		4.93		# of strides	10.22		
		velocity		9.78	10.14		9.90		9.78
<b>Ellington, James (GBR) (1985)</b>	time		10.43	15.49	15.49	4 / 3			<i>Minshull (2013)</i>
reaction time		interval		5.06		# of strides	10.43		
		velocity		9.59	9.88		9.68		9.59
<b>Chambers, Dwain (GBR) (1978)</b>	time		10.48	15.69	15.69	2 / 4			<i>Minshull (2013)</i>
reaction time		interval		5.21		# of strides	10.48		
		velocity		9.54	9.60		9.56		9.54

**2012 Great North CityGames (Newcastle, GBR) (150m straightaway)***Jalava (2012) - www.tilastopaja.org***FINAL**

date	15-Sep-12	wind	0.7 m/s
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		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.91	10.39	15.13	15.13	2 / 1			
reaction time		interval	4.48	4.74		# of strides	10.39		9.22
		velocity	8.46	11.16	10.55		9.91		10.85
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.82	10.34	15.20	15.20	3 / 2			
reaction time		interval	4.52	4.86		# of strides	10.34		9.38
		velocity	8.59	11.06	10.29		9.87		10.66
<b>Malcolm, Christian (GBR) (1979)</b>	time	5.86	10.50	15.50	15.50	1 / 3			
reaction time		interval	4.64	5.00		# of strides	10.50		9.64
		velocity	8.53	10.78	10.00		9.68		10.37
<b>Bailey, Ryan (USA) (1989)</b>	time	5.82			dnf	4 / --			
reaction time		interval				# of strides			
		velocity	8.59						

**2012 Olympic Games (London, GBR)****FINAL**

date	09-Aug-12	wind	0.4 m/s	<i>Feher (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time		10.00		19.32	19.32	7 / 1			
reaction time	0.180	interval			9.32		# of strides	10.00	9.32	0.68
		velocity		10.00	10.73	10.35		10.00	10.73	

<b>Blake, Yohan (JAM) (1989)</b>	time	10.19	19.44	19.44	4 / 2				
reaction time	0.172	interval	9.25		# of strides	10.19	9.25	0.94	
		velocity	9.81	10.81	10.29	88.5	9.81	10.81	
<b>Weir, Warren (JAM) (1989)</b>	time	10.34	19.84	19.84	8 / 3				
reaction time	0.162	interval	9.50	<b>PB</b>	# of strides	10.34	9.50	0.84	
		velocity	9.67	10.53	10.08	82.7	9.67	10.53	
<b>Spearmon, Wallace (USA) (1984)</b>	time	10.48	19.90	19.90	6 / 4				
reaction time	0.165	interval	9.42		# of strides	10.48	9.42	1.06	
		velocity	9.54	10.62	10.05	87.5	9.54	10.62	
<b>Martina, Churandy (NED) (1984)</b>	time	10.42	20.00	20.00	5 / 5				
reaction time	0.157	interval	9.58		# of strides	10.42	9.58	0.84	
		velocity	9.60	10.44	10.00	89.5	9.60	10.44	
<b>Lemaitre, Christophe (FRA) (1989)</b>	time	10.60	20.19	20.19	2 / 6				
reaction time	0.153	interval	9.59		# of strides	10.60	9.59	1.01	
		velocity	9.43	10.43	9.91	82.0	9.43	10.43	
<b>Quiñónez, Alex (ECU) (1989)</b>	time	10.69	20.57	20.57	3 / 7				
reaction time	0.185	interval	9.88		# of strides	10.69	9.88	0.81	
		velocity	9.35	10.12	9.72	90.5	9.35	10.12	
<b>Jobodwana, Anaso (RSA) (1992)</b>	time	10.77	20.69	20.69	9 / 8				
reaction time	0.216	interval	9.92		# of strides	10.77	9.92	0.85	
		velocity	9.29	10.08	9.67	93.5	9.29	10.08	

## 2012 Japanese National High School Championships (Niigata, JPN)

### FINAL

date 01-Aug-12 wind -0.5 m/s Yasunori (2012) - 65th high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hashimoto, Akiyuki (JPN) (1994)</b>	time	5.91	10.56	15.49	20.81	20.81	4 / 1			
reaction time			4.65	4.93	5.32		# of strides	10.56	10.25	0.31
			velocity	8.46	10.75	10.14	9.40	9.61	9.47	9.76
<b>Oseto, Kazuma (JPN) (1994)</b>	time	5.85	10.63	15.66	21.02	21.02	5 / 2			
reaction time			4.78	5.03	5.36		# of strides	10.63	10.39	0.24
			velocity	8.55	10.46	9.94	9.33	9.51	9.41	9.62
<b>Taniguchi, Kotaro (JPN) (1994)</b>	time	5.96	10.77	15.74	21.10	21.10	7 / 3			
reaction time			4.81	4.97	5.36		# of strides	10.77	10.33	0.44
			velocity	8.39	10.40	10.06	9.33	9.48	9.29	9.68
<b>Hiyoshi, Katsumi (JPN) (1995)</b>	time	5.99	10.75	15.76	21.25	21.25	8 / 4			
reaction time			4.76	5.01	5.49		# of strides	10.75	10.50	0.25
			velocity	8.35	10.50	9.98	9.11	9.41	9.30	9.52
<b>Koike, Yuki (JPN) (1995)</b>	time	6.12	11.00	16.01	21.37	21.37	2 / 5			
reaction time			4.88	5.01	5.36		# of strides	11.00	10.37	0.63
			velocity	8.17	10.25	9.98	9.33	9.36	9.09	9.64
<b>Kanamori, Kazuki (JPN) (1994)</b>	time	6.12	10.95	16.00	21.39	21.39	9 / 6			
reaction time			4.83	5.05	5.39		# of strides	10.95	10.44	0.51
			velocity	8.17	10.35	9.90	9.28	9.35	9.13	9.58
<b>Kiryu, Yoshihide (JPN) (1995)</b>	time	6.00	10.77	15.86	21.42	21.42	6 / 7			
reaction time			4.77	5.09	5.56		# of strides	10.77	10.65	0.12
			velocity	8.33	10.48	9.82	8.99	9.34	9.29	9.39
<b>Ogi, Moeto (JPN) (1994)</b>	time	6.11	11.00	16.07	21.68	21.68	3 / 8			
reaction time			4.89	5.07	5.61		# of strides	11.00	10.68	0.32
			velocity	8.18	10.22	9.86	8.91	9.23	9.09	9.36

## 2012 USA Olympic Trials (Eugene, OR)

### FINAL

date 01-Jul-12 wind 2.3 m/s

Hymans (2020) - history of the US olympic trials - track and field

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Spearmon, Wallace (USA) (1984)</b>	time		10.4		19.82	19.82	6 / 1			
	reaction time	0.146			9.42		# of strides	10.40	9.42	0.98
	interval				10.62	10.09		9.62	10.62	
	velocity		9.62							
<b>Mitchell, Maurice (USA) (1989)</b>	time		10.3		20.14	20.14	4 / 2			
	reaction time	0.175			9.84		# of strides	10.30	9.84	0.46
	interval				10.16	9.93		9.71	10.16	
	velocity		9.71							
<b>Young, Isiah (USA) (1990)</b>	time		10.4		20.16	20.16	5 / 3			
	reaction time	0.180			9.76		# of strides	10.40	9.76	0.64
	interval				10.25	9.92		9.62	10.25	
	velocity		9.62							
<b>Newman, Calesio (USA) (1986)</b>	time		10.3		20.17	20.17	8 / 4			
	reaction time	0.192			9.87		# of strides	10.30	9.87	0.43
	interval				10.13	9.92		9.71	10.13	
	velocity		9.71							
<b>Patton, Darvis (USA) (1977)</b>	time		10.8		20.24	20.24	1 / 5			
	reaction time	0.167			9.44		# of strides	10.80	9.44	1.36
	interval				10.59	9.88		9.26	10.59	
	velocity		9.26							
<b>Dodson, Jeremy (USA) (1987)</b>	time		10.6		20.25	20.25	3 / 6			
	reaction time	0.150			9.65		# of strides	10.60	9.65	0.95
	interval				10.36	9.88		9.43	10.36	
	velocity		9.43							
<b>Crawford, Shawn (USA) (1978)</b>	time		10.4		20.37	20.37	7 / 7			
	reaction time	0.179			9.97		# of strides	10.40	9.97	0.43
	interval				10.03	9.82		9.62	10.03	
	velocity		9.62							
<b>Rowland, Marcus (USA) (1990)</b>	time		10.7		20.50	20.50	2 / 8			
	reaction time	0.150			9.80		# of strides	10.70	9.80	0.90
	interval				10.20	9.76		9.35	10.20	
	velocity		9.35							

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

date 17-Jun-12 wind 1.5 m/s

(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Colvert, Steven (IRL) (1990)</b>	time		10.77		20.59	20.59	/ 1			
	reaction time				9.82		# of strides	10.77	9.82	0.95
	interval				4.86	9.71		9.29	10.18	
	velocity		9.29							
<b>de Oliveira, Nil (SWE) (1986)</b>	time		10.86		20.78	20.78	/ 2			
	reaction time				9.92		# of strides	10.86	9.92	0.94
	interval				4.81	9.62		9.21	10.08	
	velocity		9.21							
<b>Hession, Paul (IRL) (1983)</b>	time		10.80		20.87	20.87	/ 3			
	reaction time				10.07		# of strides	10.80	10.07	0.73
	interval				4.79	9.58		9.26	9.93	
	velocity		9.26							
<b>Wissman, Johan (SWE) (1982)</b>	time		10.92		21.05	21.05	/ 4			
	reaction time				10.13		# of strides	10.92	10.13	0.79
	interval				4.75	9.50		9.16	9.87	
	velocity		9.16							
<b>Dzingai, Brian (ZIM) (1981)</b>	time		10.93		21.82	21.82	/ 5			
	reaction time				10.89		# of strides	10.93	10.89	0.04
	interval				4.58	9.17		9.15	9.18	
	velocity		9.15							

**B FINAL**

date 17-Jun-12 wind 0.4 m/s

(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Dreyer, Hannes (RSA) (1985)</b>	time		10.80		21.35	21.35	/ 1			
	reaction time				10.55		# of strides	10.80	10.55	0.25
	interval				4.68	9.37		9.26	9.48	
	velocity		9.26							
<b>Kling-Baptiste, Tom (SWE) (1981)</b>	time		11.10		21.42	21.42	/ 2			
	reaction time				10.32		# of strides	11.10	10.32	0.78
	interval				4.67	9.34		9.01	9.69	
	velocity		9.01							

<b>Åberg, Oskar (SWE) (1989)</b>	time	11.01	21.63	21.63	/ 3			
reaction time	interval		10.62		# of strides	11.01	10.62	0.39
	velocity	9.08	4.62	9.25		9.08	9.42	
<b>Armfelt, Carl (SWE) (1984)</b>	time	11.18	21.95	21.95	/ 4			
reaction time	interval		10.77		# of strides	11.18	10.77	0.41
	velocity	8.94	4.56	9.11		8.94	9.29	

**C FINAL** date 17-Jun-12 wind 0.9 m/s (2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lid, Sondre Nyvold (NOR) (1999)</b>	time		11.25		21.75	21.75	/ 1			
reaction time	interval				10.50		# of strides	11.25	10.50	0.75
	velocity	8.89	8.89	4.60	9.20			8.89	9.52	
<b>Ojuri, Sunday (SWE) (1993)</b>	time		11.28		22.04	22.04	/ 2			
reaction time	interval				10.76		# of strides	11.28	10.76	0.52
	velocity	8.87	8.87	4.54	9.07			8.87	9.29	
<b>Karlsson, Alexander (NOR) (1987)</b>	time		11.28		22.31	22.31	/ 3			
reaction time	interval				11.03		# of strides	11.28	11.03	0.25
	velocity	8.87	8.87	4.48	8.96			8.87	9.07	
<b>Larsson, Niklas (SWE) (1985)</b>	time		11.51		22.34	22.34	/ 4			
reaction time	interval				10.83		# of strides	11.51	10.83	0.68
	velocity	8.69	8.69	4.48	8.95			8.69	9.23	

**D FINAL** date 17-Jun-12 wind 0.0 m/s (2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lysne Torbjörn (NOR) (1990)</b>	time		11.28		21.79	21.79	/ 1			
reaction time	interval				10.51		# of strides	11.28	10.51	0.77
	velocity	8.87	8.87	4.59	9.18			8.87	9.51	
<b>Øien, Vegard (NOR) (1990)</b>	time		11.33		22.16	22.16	/ 2			
reaction time	interval				10.83		# of strides	11.33	10.83	0.50
	velocity	8.83	8.83	4.51	9.03			8.83	9.23	
<b>Storhaug, Lars-Jøran (NOR) (1987)</b>	time		11.59		22.37	22.37	/ 3			
reaction time	interval				10.78		# of strides	11.59	10.78	0.81
	velocity	8.63	8.63	4.47	8.94			8.63	9.28	
<b>Elvung-Nilsson, Viktor (SWE) (1985)</b>	time		11.76		22.87	22.87	/ 4			
reaction time	interval				11.11		# of strides	11.76	11.11	0.65
	velocity	8.50	8.50	4.37	8.75			8.50	9.00	
<b>Døhlie, Petter Gire (NOR) (1985)</b>	time		11.85		23.19	23.19	/ 5			
reaction time	interval				11.34		# of strides	11.85	11.34	0.51
	velocity	8.44	8.44	4.31	8.62			8.44	8.82	

**E FINAL** date 17-Jun-12 wind 0.7 m/s (2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lilja, Johan (SWE) (1995)</b>	time		11.42		22.44	22.44	/ 1			
reaction time	interval				11.02		# of strides	11.42	11.02	0.40
	velocity	8.76	8.76	4.46	8.91			8.76	9.07	
<b>Wilkström-Roos, Dennis (SWE) (1987)</b>	time		12.09		23.59	23.59	/ 2			
reaction time	interval				11.50		# of strides	12.09	11.50	0.59
	velocity	8.27	8.27	4.24	8.48			8.27	8.70	
<b>Gerlach, Mikael (SWE) (1984)</b>	time		12.27		23.74	23.74	/ 3			
reaction time	interval				11.47		# of strides	12.27	11.47	0.80
	velocity	8.15	8.15	4.21	8.42			8.15	8.72	
<b>Eriksson, Daniel (SWE) (1996)</b>	time		12.63		24.62	24.62	/ 4			
reaction time	interval				11.99		# of strides	12.63	11.99	0.64
	velocity	7.92	7.92	4.06	8.12			7.92	8.34	

<b>Petterson, Andreas (SWE) (1984)</b>	time	13.20	25.73	25.73	/ 5			
reaction time	interval		12.53		# of strides	13.20	12.53	0.67
	velocity	7.58	3.89	7.77		7.58	7.98	

### 2012 Great CityGames (Manchester, GBR) (200m straightaway)

#### FINAL

		date	20-May-12	wind	0.2 m/s					Jalava (2012) - www.tilastopaja.org		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Saidy Ndure, Jaysuma (NOR) (1984)</b>	time		10.51		20.64	20.64	2 / 1					
reaction time	interval				10.13		# of strides	10.51	10.13	0.38		
	velocity		9.51		4.84	9.69		9.51	9.87			
<b>Ellington, James (GBR) (1985)</b>	time		10.47		20.67	20.67	4 / 2					
reaction time	interval				10.20		# of strides	10.47	10.20	0.27		
	velocity		9.55		4.84	9.68		9.55	9.80			
<b>Neville, David (USA) (1984)</b>	time		10.64		20.71	20.71	3 / 3					
reaction time	interval				10.07		# of strides	10.64	10.07	0.57		
	velocity		9.40		4.83	9.66		9.40	9.93			
<b>Lennon-Ford, Luke (GBR) (1984)</b>	time		10.72		20.99	20.99	1 / 4					
reaction time	interval				10.27		# of strides	10.72	10.27	0.45		
	velocity		9.33		4.76	9.53		9.33	9.74			

### 2012 Great CityGames (Manchester, GBR) (150m straightaway)

#### FINAL

		date	20-May-12	wind	-0.1 m/s					Jalava (2012) - www.tilastopaja.org		
		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m			
<b>Spearmon, Wallace (USA) (1984)</b>	time		10.26		14.87	14.87	2 / 1					
reaction time	interval				4.61		# of strides	10.26				
	velocity		9.75		10.85	10.09		9.75				
<b>Chambers, Dwain (GBR) (1978)</b>	time		10.32		15.27	15.27	3 / 2					
reaction time	interval				4.95		# of strides	10.32				
	velocity		9.69		10.10	9.82		9.69				
<b>Devonish, Marlon (GBR) (1976)</b>	time		10.44		15.37	15.37	1 / 3					
reaction time	interval				4.93		# of strides	10.44				
	velocity		9.58		10.14	9.76		9.58				
<b>Obikwelu, Francis (POR) (1978)</b>	time		10.66		15.70	15.70	4 / 4					
reaction time	interval				5.04		# of strides	10.66				
	velocity		9.38		9.92	9.55		9.38				

#### B FINAL

		date	20-May-12	wind	-0.5 m/s					Jalava (2012) - www.tilastopaja.org		
		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m			
<b>Robertson, Andrew (GBR) (1984)</b>	time		10.44		15.54	15.54	/ 1					
reaction time	interval				5.10		# of strides	10.44				
	velocity		9.58		9.80	9.65		9.58				
<b>Fifton, Rikki (GBR) (1985)</b>	time		10.51		15.60	15.60	/ 2					
reaction time	interval				5.09		# of strides	10.51				
	velocity		9.51		9.82	9.62		9.51				
<b>Pierre, Rion (GBR) (1987)</b>	time		10.52		15.67	15.67	/ 3					
reaction time	interval				5.15		# of strides	10.52				
	velocity		9.51		9.71	9.57		9.51				
<b>Bennett-Jackson, Wade (GBR) (1984)</b>	time		10.63		15.87	15.87	/ 4					
reaction time	interval				5.24		# of strides	10.63				
	velocity		9.41		9.54	9.45		9.41				

### 2011 Van Damme Memorial (Bruxelles, BEL)

#### FINAL

		date	16-Sep-11	wind	0.7 m/s					ra (2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/		
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Blake, Yohan (JAM) (1989)</b>	time		10.14		19.26	19.26	7 / 1					
reaction time	0.269 interval				9.12	<b>PB</b>	# of strides	10.14	9.12	1.02		

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



velocity	9.86	10.96	10.38	87.5	9.86	10.96
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**2011 IAAF World Championships (Daegu, KOR)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013***FINAL**

date 03-Sep-11 wind 0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.53	9.97	14.54	19.40	19.40	3 / 1			<i>KSSB (2011)</i>
	reaction time	0.193	interval	4.44	4.57	4.86	# of strides	9.97	9.43	0.54
	velocity	9.04	11.26	10.94	10.29	10.31	79.2	10.03	10.60	
<b>Dix, Walter (USA) (1986)</b>	time	5.59	10.11	14.75	19.70	19.70	4 / 2			<i>KSSB (2011)</i>
	reaction time	0.161	interval	4.52	4.64	4.95	# of strides	10.11	9.59	0.52
	velocity	8.94	11.06	10.78	10.10	10.15	91.7	9.89	10.43	
<b>Lemaitre, Christophe (FRA) (1986)</b>	time	5.65	10.24	14.91	19.80	19.80	6 / 3			<i>KSSB (2011)</i>
	reaction time	0.160	interval	4.59	4.67	4.89	# of strides	10.24	9.56	0.68
	velocity	8.85	10.89	10.71	10.22	10.10	80.0	9.77	10.46	
<b>Saidy Ndure, Jaysuma (NOR) (1986)</b>	time		10.2		19.95	19.95	8 / 4			<i>Butler (2013)</i>
	reaction time	0.164	interval		9.75		# of strides	10.20	9.75	0.45
	velocity		9.80		10.26	10.03	83.2	9.80	10.26	
<b>Ashmeade, Nickel (JAM) (1990)</b>	time		10.4		20.29	20.29	5 / 5			<i>Butler (2013)</i>
	reaction time	0.136	interval		9.89		# of strides	10.40	9.89	0.51
	velocity		9.62		10.11	9.86	86.7	9.62	10.11	
<b>de Barros, Bruno (BRA) (1987)</b>	time		10.5		20.31	20.31	2 / 6			<i>Butler (2013)</i>
	reaction time	0.158	interval		9.81		# of strides	10.50	9.81	0.69
	velocity		9.52		10.19	9.85	87.7	9.52	10.19	
<b>Sorrillo, Rondell (TTO) (1986)</b>	time		10.5		20.34	20.34	1 / 7			<i>Butler (2013)</i>
	reaction time	0.122	interval		9.84		# of strides	10.50	9.84	0.66
	velocity		9.52		10.16	9.83	85.7	9.52	10.16	
<b>Edward, Alonso (PAN) (1989)</b>	0.188		no information available			dnf	7 / --			

**Semi-Final 3**

date 02-Sep-11

wind -0.7 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.95	10.65	15.55	20.90	20.90	8 / 6			
	reaction time	0.201	interval	4.70	5.35		# of strides	10.65	10.25	0.40
	velocity	8.40	10.64	10.20	9.35	9.57	83.7	9.39	9.76	

*KSSB (2011) - biomechanical research project report in the iaaf world championships, Daegu 2011***Semi-Final 2**

date 02-Sep-11

wind -1.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.64	10.23	14.98	20.31	20.31	6 / 1			<i>KSSB (2011)</i>
	reaction time	0.207	interval	4.59	4.75	5.33	# of strides	10.23	10.08	0.15
	velocity	9.75	9.80	9.89	9.94	9.85	79.2	9.78	9.92	
<b>Saito, Hitoshi (JPN) (1986)</b>	time	5.99	10.72	15.80	21.17	21.17	2 / 6			<i>Kyohei (2012)</i>
	reaction time	0.146	interval	4.73	5.08	5.37	# of strides	10.72	10.45	0.27
	velocity	8.35	10.57	9.84	9.31	9.45	89.0	9.33	9.57	

**Heat 5**

date 02-Sep-11

wind -0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Saito, Hitoshi (JPN) (1986)</b>	time	5.92	10.65	15.57	20.80	20.80	6 / 3			
	reaction time	0.167	interval	4.73	4.92	5.23	# of strides	10.65	10.15	0.50
	velocity	8.45	10.57	10.16	9.56	9.62	89.0	9.39	9.85	

**Heat 4**

date 02-Sep-11

wind -1.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.87	10.58	15.50	20.87	20.87	2 / 2			
	reaction time	0.178	interval	4.71	4.92	5.37	# of strides	10.58	10.29	0.29
	velocity	8.52	10.62	10.16	9.31	9.58	84.0	9.45	9.72	

**Heat 3**

date 02-Sep-11

wind -1.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Kobayashi, Yuichi (JPN) (1989)</b>	time	5.99	10.83	15.81	21.27	21.27	5 / 7			
reaction time	0.251	interval	4.84	4.98	5.46		# of strides	10.83	10.44	0.39
		velocity	8.35	10.33	10.04	9.16	9.40	92.2	9.23	9.58

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

### FINAL

date 06-Aug-11 wind -0.4 m/s Abe (2011) - 64th high school championships: JAF scientific committee- biomechanics

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Nashimoto, Masaki (JPN) (1993)</b>	time	6.06	10.89	15.67	20.97	20.97	/ 1			
reaction time	interval		4.83	4.78	5.30	<b>PB</b>	# of strides	10.89	10.08	0.81
	velocity	8.25	10.35	10.46	9.43	9.54		9.18	9.92	
<b>Hashimoto, Akiyuki (JPN) (1994)</b>	time	5.99	10.83	15.67	21.10	21.10	/ 2			
reaction time	interval		4.84	4.84	5.43		# of strides	10.83	10.27	0.56
	velocity	8.35	10.33	10.33	9.21	9.48		9.23	9.74	
<b>Oseto, Kazuma (JPN) (1994)</b>	time	5.95	10.92	15.84	21.25	21.25	/ 3			
reaction time	interval		4.97	4.92	5.41		# of strides	10.92	10.33	0.59
	velocity	8.40	10.06	10.16	9.24	9.41		9.16	9.68	
<b>Cambridge, Aska (JPN) (1993)</b>	time	6.10	11.06	15.92	21.35	21.35	/ 4			
reaction time	interval		4.96	4.86	5.43		# of strides	11.06	10.29	0.77
	velocity	8.20	10.08	10.29	9.21	9.37		9.04	9.72	
<b>Suwa, Tatsuro (JPN) (1994)</b>	time	6.11	11.02	15.97	21.38	21.38	/ 5			
reaction time	interval		4.91	4.95	5.41		# of strides	11.02	10.36	0.66
	velocity	8.18	10.18	10.10	9.24	9.35		9.07	9.65	
<b>Watanabe, Satoru (JPN) (1993)</b>	time	6.11	10.98	15.95	21.38	21.49	/ 6			
reaction time	interval		4.87	4.97	5.43		# of strides	10.98	10.40	0.58
	velocity	8.18	10.27	10.06	9.21	9.31		9.11	9.62	
<b>Kanamori, Kazuki (JPN) (1994)</b>	time	6.23	11.25	16.22	21.54	21.54	/ 7			
reaction time	interval		5.02	4.97	5.32		# of strides	11.25	10.29	0.96
	velocity	8.03	9.96	10.06	9.40	9.29		8.89	9.72	
<b>Kobayashi, Shoichi (JPN) (1993)</b>	time	6.22	11.12	16.08	21.56	21.56	/ 8			
reaction time	interval		4.90	4.96	5.48		# of strides	11.12	10.44	0.68
	velocity	8.04	10.20	10.08	9.12	9.28		8.99	9.58	

## 2011 Asian Championships (Kobe, JPN)

### FINAL

date 10-Jul-11 wind -0.4 m/s Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Ogunode, Femi (QAT) (1991)</b>	time	5.91	10.51	15.35	20.41	20.41	/ 1			
reaction time	0.216	interval	4.60	4.84	5.06		# of strides	10.51	9.90	0.61
		velocity	8.46	10.87	10.33	9.88	9.80	9.51	10.10	
<b>Saito, Hitoshi (JPN) (1986)</b>	time	5.84	10.61	15.56	20.75	20.75	/ 2			
reaction time	0.113	interval	4.77	4.95	5.19		# of strides	10.61	10.14	0.47
		velocity	8.56	10.48	10.10	9.63	9.64	9.43	9.86	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.96	10.81	15.85	21.10	21.10	/ 4			
reaction time	0.148	interval	4.85	5.04	5.25		# of strides	10.81	10.29	0.52
		velocity	8.39	10.31	9.92	9.52	9.48	9.25	9.72	

### Heat 2

date 09-Jul-11 wind 0.9 m/s Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Saito, Hitoshi (JPN) (1986)</b>	time	6.03	10.79	15.72	20.91	20.91	/ 2			
reaction time	0.146	interval	4.76	4.93	5.19		# of strides	10.79	10.12	0.67
		velocity	8.29	10.50	10.14	9.63	9.56	9.27	9.88	

### Heat 1

date 09-Jul-11 wind -1.3 m/s Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.96	10.70	15.66	21.04	21.04	/ 1			
reaction time	0.137	interval	4.74	4.96	5.38		# of strides	10.70	10.34	0.36
		velocity	8.39	10.55	10.08	9.29	9.51	9.35	9.67	

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

**2011 Japanese National Championships (Kumagaya, JPN)****FINAL**

	date	11-Jun-11	wind	0.0 m/s	<i>Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters</i>								
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Takahira, Shinji (JPN) (1984)</b>	time				5.85	10.54	15.37	20.49	20.49	/ 1			
reaction time	interval					4.69	4.83	5.12		# of strides	10.54	9.95	0.59
	velocity				8.55	10.66	10.35	9.77	9.76		9.49	10.05	
<b>Saito, Hitoshi (JPN) (1986)</b>	time				5.87	10.53	15.43	20.62	20.62	/ 2			
reaction time	interval					4.66	4.90	5.19		# of strides	10.53	10.09	0.44
	velocity				8.52	10.73	10.20	9.63	9.70		9.50	9.91	
<b>Kobayashi, Yuichi (JPN) (1989)</b>	time				5.86	10.54	15.43	20.62	20.62	/ 3			
reaction time	interval					4.68	4.89	5.19		# of strides	10.54	10.08	0.46
	velocity				8.53	10.68	10.22	9.63	9.70		9.49	9.92	
<b>Iizuka, Shota (JPN) (1991)</b>	time				5.97	10.65	15.57	20.64	20.64	/ 4			
reaction time	interval					4.68	4.92	5.07		# of strides	10.65	9.99	0.66
	velocity				8.38	10.68	10.16	9.86	9.69		9.39	10.01	
<b>Takase, Kei (JPN) (1988)</b>	time				5.83	10.45	15.37	20.76	20.76	/ 5			
reaction time	interval					4.62	4.92	5.39		# of strides	10.45	10.31	0.14
	velocity				8.58	10.82	10.16	9.28	9.63		9.57	9.70	
<b>Yamagata, Ryota (JPN) (1992)</b>	time				5.89	10.55	15.55	20.84	20.84	/ 6			
reaction time	interval					4.66	5.00	5.29		# of strides	10.55	10.29	0.26
	velocity				8.49	10.73	10.00	9.45	9.60		9.48	9.72	
<b>Hane, Seiya (JPN) (1990)</b>	time				5.92	10.67	15.62	20.90	20.90	/ 7			
reaction time	interval					4.75	4.95	5.28		# of strides	10.67	10.23	0.44
	velocity				8.45	10.53	10.10	9.47	9.57		9.37	9.78	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time				6.02	10.83	15.79	21.05	21.05	/ 8			
reaction time	interval					4.81	4.96	5.26		# of strides	10.83	10.22	0.61
	velocity				8.31	10.40	10.08	9.51	9.50		9.23	9.78	

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

	date	15-May-11	wind	1.5 m/s	<i>Butler (2011) - Gay's last 100 in Manchester street 150 (www.trackandfieldnews.com)</i>							
					50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Gay, Tyson (USA) (1982)</b>	time				5.65	9.91	14.51	14.51	3 / 1			
reaction time	interval					4.26	4.60		# of strides	9.91		8.86
	velocity				8.85	11.74	10.87	10.34			10.09	11.29
<b>Patton, Darvis (USA) (1977)</b>	time				5.75	10.17	14.98	14.98	1 / 2			
reaction time	interval					4.42	4.81	<b>PB</b>	# of strides	10.17		9.23
	velocity				8.70	11.31	10.40	10.01			9.83	10.83
<b>Devonish, Marlon (GBR) (1976)</b>	time				5.78	10.26	15.10	15.10	2 / 3			
reaction time	interval					4.48	4.84		# of strides	10.26		9.32
	velocity				8.65	11.16	10.33	9.93			9.75	10.73
<b>Malcolm, Christian (GBR) (1979)</b>	time				5.82	10.34	15.28	15.28	4 / 4			
reaction time	interval					4.52	4.94	<b>PB</b>	# of strides	10.34		9.46
	velocity				8.59	11.06	10.12	9.82			9.67	10.57

**2011 Great CityGames (Manchester, GBR) (200m straightaway)****FINAL**

	date	15-May-11	wind	2.3 m/s	<i>Butler (2011) - Gay's last 100 in Manchester street 150 (www.trackandfieldnews.com)</i>								
					50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mbandjock, Martial (FRA) (1985)</b>	time				5.88	10.37	15.13	20.35	20.35	1 / 1			
reaction time	interval					4.49	4.76	5.22		# of strides	10.37	9.98	0.39
	velocity				8.50	11.14	10.50	9.58	9.83		9.64	10.02	
<b>Collins, Kim (SKN) (1976)</b>	time				5.78	10.27	15.10	20.43	20.43	2 / 2			
reaction time	interval					4.49	4.83	5.33		# of strides	10.27	10.16	0.11
	velocity				8.65	11.14	10.35	9.38	9.79		9.74	9.84	

<b>Crawford, Shawn (USA) (1978)</b>	time	5.93	10.41	15.25	20.68	20.68	/ 3			
	reaction time	interval	4.48	4.84	5.43		# of strides	10.41	10.27	0.14
		velocity	8.43	11.16	10.33	9.21	9.67	9.61	9.74	
<b>Fifton, Rikki (GBR) (1985)</b>	time	5.89	10.42	15.30	20.81	20.81	/ 4			
	reaction time	interval	4.53	4.88	5.51		# of strides	10.42	10.39	0.03
		velocity	8.49	11.04	10.25	9.07	9.61	9.60	9.62	

### 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)

#### FINAL

date 03-May-11 wind 0.5 m/s *Kyohei (2012) - the run performance of the 2011 world and japanese top 200m sprinters*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Saito, Hitoshi (JPN) (1986)</b>	time	5.96	10.56	15.46	20.60	20.60	/ 1			
	reaction time	interval	4.60	4.90	5.14		# of strides	10.56	10.04	0.52
		velocity	8.39	10.87	10.20	9.73	9.71	9.47	9.96	
<b>Iizuka, Shota (JPN) (1991)</b>	time	5.98	10.73	15.65	20.70	20.70	/ 2			
	reaction time	interval	4.75	4.92	5.05		# of strides	10.73	9.97	0.76
		velocity	8.36	10.53	10.16	9.90	9.66	9.32	10.03	
<b>Yamagata, Ryota (JPN) (1992)</b>	time	5.98	10.56	15.56	20.84	20.84	/ 3			
	reaction time	interval	4.58	5.00	5.28		# of strides	10.56	10.28	0.28
		velocity	8.36	10.92	10.00	9.47	9.60	9.47	9.73	
<b>Kobayashi, Yuichi (JPN) (1989)</b>	time	5.94	10.67	15.62	20.86	20.86	/ 4			
	reaction time	interval	4.73	4.95	5.24		# of strides	10.67	10.19	0.48
		velocity	8.42	10.57	10.10	9.54	9.59	9.37	9.81	
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.95	10.71	15.67	20.93	20.93	/ 5			
	reaction time	interval	4.76	4.96	5.26		# of strides	10.71	10.22	0.49
		velocity	8.40	10.50	10.08	9.51	9.56	9.34	9.78	
<b>Horie, Shintaro (JPN) (1990)</b>	time	6.07	10.82	15.74	20.94	20.96	/ 6			
	reaction time	interval	4.75	4.92	5.20	<b>PB</b>	# of strides	10.82	10.12	0.70
		velocity	8.24	10.53	10.16	9.62	9.54	9.24	9.88	
<b>Hattori, Tatsuya (JPN) (1988)</b>	time	5.98	10.72	15.75	21.17	21.17	/ 7			
	reaction time	interval	4.74	5.03	5.42		# of strides	10.72	10.45	0.27
		velocity	8.36	10.55	9.94	9.23	9.45	9.33	9.57	

### 2010 Japanese National High School Championships (Okinawa, JPN)

#### FINAL

date 01-Aug-10 wind 0.5 m/s *Matsuo (2010) - 63rd high school championships: JAF scientific committee- biomechanics*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mihara, Hiroyuki (JPN) (1993)</b>	time	6.22	11.12	16.06	21.35	21.35	/ 1			
	reaction time	interval	4.90	4.94	5.29		# of strides	11.12	10.23	0.89
		velocity	8.04	10.20	10.12	9.45	9.37	8.99	9.78	
<b>Takeshita, Yuki (JPN) (1992)</b>	time	6.13	11.04	16.05	21.38	21.38	/ 2			
	reaction time	interval	4.91	5.01	5.33		# of strides	11.04	10.34	0.70
		velocity	8.16	10.18	9.98	9.38	9.35	9.06	9.67	
<b>Tamura, Tomoya (JPN) (1992)</b>	time	6.29	11.23	16.21	21.44	21.44	/ 3			
	reaction time	interval	4.94	4.98	5.23		# of strides	11.23	10.21	1.02
		velocity	7.95	10.12	10.04	9.56	9.33	8.90	9.79	

### 2010 Great City Games (Manchester, GBR) (200m straightaway)

#### FINAL

date 16-May-10 wind -0.4 m/s *Jalava (2010) - www.tilastopaja.org*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gay, Tyson (USA) (1982)</b>	time	5.69	9.89	14.41	19.41	19.41	3 / 1			
	reaction time	interval	4.20	4.52	4.11	<b>WB</b>	# of strides	9.89	9.52	0.37
		velocity	8.79	11.90	11.06	12.17	10.30	10.11	10.50	
<b>Collins, Kim (SKN) (1976)</b>	time		10.24	15.15	20.59	20.59	2 / 2			
	reaction time	interval		4.91	5.25		# of strides	10.24	10.35	-0.11
		velocity		9.77	10.18	9.52	9.71	9.77	9.66	

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

<b>Hession, Paul (IRL) (1983)</b>	time	10.46	15.29	20.66	20.66	4 / 3			
reaction time	interval		4.83	5.29		# of strides	10.46	10.20	0.26
	velocity	9.56	10.35	9.45	9.68		9.56	9.80	
<b>Pierre, Rion (GBR) (1987)</b>		no information available			20.85	1 / 4			

### 2010 Great City Games (Manchester, GBR) (150m straightaway)

#### FINAL

	date	16-May-10	wind	-1.1 m/s							
			50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m	
<b>Crawford, Shawn (USA) (1978)</b>	time		10.35	15.30		15.30	2 / 1				
reaction time	interval			4.95			# of strides	10.35			
	velocity		9.66	10.10		9.80		9.66			
<b>Obikwelu, Francis (POR) (1978)</b>	time		10.33	15.34		15.34	4 / 2				
reaction time	interval			5.01			# of strides	10.33			
	velocity		9.68	9.98		9.78		9.68			
<b>Fifton, Rikki (GBR) (1985)</b>	time		10.34	15.37		15.37	1 / 3				
reaction time	interval			5.03			# of strides	10.34			
	velocity		9.67	9.94		9.76		9.67			
<b>Rodgers, Mike (USA) (1985)</b>	time		10.36	15.42		15.42	3 / 4				
reaction time	interval			5.06			# of strides	10.36			
	velocity		9.65	9.88		9.73		9.65			

### 2009 IAAF World Championships (Berlin, GER)

#### FINAL

	date	20-Aug-09	wind	-0.3 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time		5.60	9.92	14.44	19.19	19.19	5 / 1			
reaction time	0.133	interval		4.32	4.52	4.75	WR	# of strides	9.92	9.27	0.65
		velocity	8.93	11.57	11.06	10.53	10.42	79.9	10.08	10.79	
<b>Edward, Alonso (PAN) (1989)</b>	time		5.88	10.37	15.00	19.81	19.81	6 / 2			
reaction time	0.179	interval		4.49	4.63	4.81	AR	# of strides	10.37	9.44	0.93
		velocity	8.50	11.14	10.80	10.40	10.10	85.7	9.64	10.59	
<b>Spearmon, Wallace (USA) (1984)</b>	time		5.89	10.42	15.06	19.85	19.85	4 / 3			
reaction time	0.152	interval		4.53	4.64	4.79		# of strides	10.42	9.43	0.99
		velocity	8.49	11.04	10.78	10.44	10.08	86.0	9.60	10.60	
<b>Crawford, Shawn (USA) (1978)</b>	time		5.73	10.15	14.80	19.89	19.89	8 / 4			
reaction time	0.148	interval		4.42	4.65	5.09		# of strides	10.15	9.74	0.41
		velocity	8.73	11.31	10.75	9.82	10.06	90.7	9.85	10.27	
<b>Mullings, Steve (JAM) (1982)</b>	time		5.70	10.20	14.93	19.98	19.98	3 / 5			
reaction time	0.146	interval		4.50	4.73	5.05	PB	# of strides	10.20	9.78	0.42
		velocity	8.77	11.11	10.57	9.90	10.01	91.0	9.80	10.22	
<b>Clark, Charles (USA) (1987)</b>	time		5.80	10.38	15.16	20.39	20.39	7 / 6			
reaction time	0.158	interval		4.58	4.78	5.23		# of strides	10.38	10.01	0.37
		velocity	8.62	10.92	10.46	9.56	9.81	93.2	9.63	9.99	
<b>Guliyev, Ramil (AZE) (1990)</b>	time		6.04	10.77	15.62	20.61	20.61	1 / 7			
reaction time	0.165	interval		4.73	4.85	4.99		# of strides	10.77	9.84	0.93
		velocity	8.28	10.57	10.31	10.02	9.70	88.0	9.29	10.16	
<b>Alerte, David (FRA) (1984)</b>	time		5.96	10.65	15.59	20.68	20.68	2 / 8			
reaction time	0.161	interval		4.69	4.94	5.09		# of strides	10.65	10.03	0.62
		velocity	8.39	10.66	10.12	9.82	9.67	80.7	9.39	9.97	

#### Semi-Final 2

	date	19-Aug-09	wind	0.3 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Spearmon, Wallace (USA) (1984)</b>	time		5.90	10.43	15.12	20.14	20.14	5 / 1			
reaction time	0.164	interval		4.53	4.69	5.02		# of strides	10.43	9.71	0.72

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

	velocity	8.47	11.04	10.66	9.96	9.93		9.59	10.30	
<b>Mullings, Steve (JAM) (1982)</b>	time	5.71	10.27	15.09	20.26	20.26	3 / 2			
reaction time	0.156	interval	4.56	4.82	5.17		# of strides	10.27	9.99	0.28
	velocity	8.76	10.96	10.37	9.67	9.87		9.74	10.01	
<b>Clark, Charles (USA) (1987)</b>	time	5.84	10.44	15.20	20.27	20.27	2 / 3			
reaction time	0.163	interval	4.60	4.76	5.07		# of strides	10.44	9.83	0.61
	velocity	8.56	10.87	10.50	9.86	9.87		9.58	10.17	
<b>Guliyev, Ramil (AZE) (1990)</b>	time	5.85	10.43	15.21	20.28	20.28	4 / 4			
reaction time	0.154	interval	4.58	4.78	5.07		# of strides	10.43	9.85	0.58
	velocity	8.55	10.92	10.46	9.86	9.86		9.59	10.15	
<b>Mbandjock, Martial (FRA) (1985)</b>	time	5.89	10.54	15.36	20.43	20.43	7 / 5			
reaction time	0.155	interval	4.65	4.82	5.07	<b>PB</b>	# of strides	10.54	9.89	0.65
	velocity	8.49	10.75	10.37	9.86	9.79		9.49	10.11	
<b>Hession, Paul (IRL) (1983)</b>	time	5.93	10.55	15.35	20.48	20.48	8 / 6			
reaction time	0.166	interval	4.62	4.80	5.13		# of strides	10.55	9.93	0.62
	velocity	8.43	10.82	10.42	9.75	9.77		9.48	10.07	
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.87	10.48	15.40	20.62	20.62	6 / 7			
reaction time	0.154	interval	4.61	4.92	5.22		# of strides	10.48	10.14	0.34
	velocity	8.52	10.85	10.16	9.58	9.70		9.54	9.86	
<b>Callender, Emmanuel (TTO) (1983)</b>	time	5.83	10.49	15.38	20.70	20.70	1 / 8			
reaction time	0.145	interval	4.66	4.89	5.32		# of strides	10.49	10.21	0.28
	velocity	8.58	10.73	10.22	9.40	9.66		9.53	9.79	

**Semi-Final 1**

date 19-Aug-09 wind 0.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.74	10.14	14.86	20.08	20.08	3 / 1			
reaction time	0.177	interval	4.40	4.72	5.22		# of strides	10.14	9.94	0.20
	velocity	8.71	11.36	10.59	9.58	9.96	79.2	9.86	10.06	
<b>Edward, Alonso (PAN) (1989)</b>	time	5.85	10.36	15.03	20.22	20.22	5 / 2			
reaction time	0.164	interval	4.51	4.67	5.19		# of strides	10.36	9.86	0.50
	velocity	8.55	11.09	10.71	9.63	9.89	86.0	9.65	10.14	
<b>Crawford, Shawn (USA) (1978)</b>	time	5.78	10.27	15.05	20.35	20.35	6 / 3			
reaction time	0.140	interval	4.49	4.78	5.30		# of strides	10.27	10.08	0.19
	velocity	8.65	11.14	10.46	9.43	9.83	92.5	9.74	9.92	
<b>Alerte, David (FRA) (1984)</b>	time	5.94	10.60	15.40	20.45	20.45	4 / 4			
reaction time	0.147	interval	4.66	4.80	5.05		# of strides	10.60	9.85	0.75
	velocity	8.42	10.73	10.42	9.90	9.78	81.0	9.43	10.15	
<b>Hering, Robert (GER) (1990)</b>	time	5.94	10.56	15.39	20.52	20.52	7 / 5			
reaction time	0.157	interval	4.62	4.83	5.13		# of strides	10.56	9.96	0.60
	velocity	8.42	10.82	10.35	9.75	9.75	92.0	9.47	10.04	
<b>Sorrillo, Rondell (TTO) (1986)</b>	time	5.91	10.65	15.47	20.63	20.63	2 / 6			
reaction time	0.128	interval	4.74	4.82	5.16		# of strides	10.65	9.98	0.67
	velocity	8.46	10.55	10.37	9.69	9.69	87.0	9.39	10.02	
<b>Palacios, Rolando (HON) (1987)</b>	time	5.98	10.66	15.52	20.67	20.67	8 / 7			
reaction time	0.191	interval	4.68	4.86	5.15		# of strides	10.66	10.01	0.65
	velocity	8.36	10.68	10.29	9.71	9.68	84.0	9.38	9.99	
<b>Christian, Brendan (ANT) (1983)</b>	time	5.90	10.58	15.50	20.79	20.79	1 / 8			
reaction time	0.138	interval	4.68	4.92	5.29		# of strides	10.58	10.21	0.37
	velocity	8.47	10.68	10.16	9.45	9.62	88.5	9.45	9.79	

**Quarter-Final 4**

date 18-Aug-09 wind -0.6 m/s

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

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

<b>Edward, Alonso (PAN) (1989)</b>	time	5.88	10.50	15.28	20.33	20.33	6 / 1			
reaction time	0.179	interval	4.62	4.78	5.05		# of strides	10.50	9.83	0.67
		velocity	8.50	10.82	10.46	9.90	9.84	9.52	10.17	
<b>Spearmon, Wallace (USA) (1984)</b>	time	6.06	10.56	15.35	20.44	20.44	4 / 2			
reaction time	0.161	interval	4.50	4.79	5.09		# of strides	10.56	9.88	0.68
		velocity	8.25	11.11	10.44	9.82	9.78	9.47	10.12	
<b>Hering, Robert (GER) (1990)</b>	time	5.94	10.60	15.46	20.58	20.58	3 / 3			
reaction time	0.142	interval	4.66	4.86	5.12		# of strides	10.60	9.98	0.62
		velocity	8.42	10.73	10.29	9.77	9.72	9.43	10.02	

**Quarter-Final 3**date 18-Aug-09 wind -0.3 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mullings, Steve (JAM) (1982)</b>	time	5.74	10.30	15.08	20.23	20.23	4 / 1			
reaction time	0.156	interval	4.56	4.78	5.15		# of strides	10.30	9.93	0.37
		velocity	8.71	10.96	10.46	9.71	9.89	9.71	10.07	
<b>Guliyev, Ramil (AZE) (1990)</b>	time	5.92	10.56	15.31	20.40	20.40	7 / 2			
reaction time	0.154	interval	4.64	4.75	5.09		# of strides	10.56	9.84	0.72
		velocity	8.45	10.78	10.53	9.82	9.80	9.47	10.16	
<b>Hession, Paul (IRL) (1983)</b>	time	5.89	10.48	15.33	20.48	20.48	6 / 3			
reaction time	0.154	interval	4.59	4.85	5.15		# of strides	10.48	10.00	0.48
		velocity	8.49	10.89	10.31	9.71	9.77	9.54	10.00	
<b>Christian, Brendan (ANT) (1983)</b>	time	5.90	10.52	15.38	20.58	20.58	3 / 4			
reaction time	0.144	interval	4.62	4.86	5.20		# of strides	10.52	10.06	0.46
		velocity	8.47	10.82	10.29	9.62	9.72	9.51	9.94	
<b>Callender, Emmanuel (TTO) (19)</b>	time	5.83	10.42	15.30	20.62	20.62	8 / 5			
reaction time	0.148	interval	4.59	4.88	5.32		# of strides	10.42	10.20	0.22
		velocity	8.58	10.89	10.25	9.40	9.70	9.60	9.80	
<b>Menga, Alexio Platini (GER) (19)</b>	time	5.88	10.54	15.42	20.68	20.68	5 / 6			
reaction time	0.145	interval	4.66	4.88	5.26		# of strides	10.54	10.14	0.40
		velocity	8.50	10.73	10.25	9.51	9.67	9.49	9.86	

**Quarter-Final 2**date 18-Aug-09 wind -0.2 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time	5.86	10.37	15.13	20.37	20.37	3 / 1			
reaction time	0.166	interval	4.51	4.76	5.24		# of strides	10.37	10.00	0.37
		velocity	8.53	11.09	10.50	9.54	9.82	9.64	10.00	
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.89	10.56	15.47	20.66	20.66	6 / 2			
reaction time	0.154	interval	4.67	4.91	5.19		# of strides	10.56	10.10	0.46
		velocity	8.49	10.71	10.18	9.63	9.68	9.47	9.90	
<b>Palacios, Rolando (HON) (1987)</b>	time	5.97	10.69	15.55	20.69	20.69	8 / 3			
reaction time	0.217	interval	4.72	4.86	5.14		# of strides	10.69	10.00	0.69
		velocity	8.38	10.59	10.29	9.73	9.67	9.35	10.00	
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.91	10.60	15.45	20.69	20.69	7 / 4			
reaction time	0.178	interval	4.69	4.85	5.24		# of strides	10.60	10.09	0.51
		velocity	8.46	10.66	10.31	9.54	9.67	9.43	9.91	

**Quarter-Final 1**date 18-Aug-09 wind 0.0 m/s *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.71	10.35	15.22	20.41	20.41	3 / 1			
reaction time	0.164	interval	4.64	4.87	5.19		# of strides	10.35	10.06	0.29
		velocity	8.76	10.78	10.27	9.63	9.80	9.66	9.94	
<b>Alerte, David (FRA) (1984)</b>	time	5.93	10.64	15.47	20.51	20.51	2 / 2			
reaction time	0.149	interval	4.71	4.83	5.04		# of strides	10.64	9.87	0.77
		velocity	8.43	10.62	10.35	9.92	9.75	9.40	10.13	

<b>Mbandjock, Martial (FRA) (1985)</b>	time	5.91	10.55	15.44	20.55	20.55	4 / 3			
reaction time	0.145	interval	4.64	4.89	5.11	<b>PB</b>	# of strides	10.55	10.00	0.55
		velocity	8.46	10.78	10.22	9.78	9.73	9.48	10.00	
<b>Clark, Charles (USA) (1987)</b>	time	5.94	10.63	15.49	20.55	20.55	8 / 4			
reaction time	0.177	interval	4.69	4.86	5.06		# of strides	10.63	9.92	0.71
		velocity	8.42	10.66	10.29	9.88	9.73	9.41	10.08	
<b>Sorrillo, Rondell (TTO) (1986)</b>	time	5.85	10.61	15.44	20.58	20.58	5 / 5			
reaction time	0.143	interval	4.76	4.83	5.14		# of strides	10.61	9.97	0.64
		velocity	8.55	10.50	10.35	9.73	9.72	9.43	10.03	

**Heat 9**

date 18-Aug-09 wind -0.7 m/s Graubner (2009) - biomechanical analyses at the 12th IAAF world championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hering, Robert (GER) (1990)</b>	time	5.91	10.53	15.44	20.64	20.64	6 / 1			
reaction time	0.151	interval	4.62	4.91	5.20		# of strides	10.53	10.11	0.42
		velocity	8.46	10.82	10.18	9.62	9.69	9.50	9.89	
<b>Spearmon, Wallace (USA) (1985)</b>	time	6.02	10.72	15.63	20.66	20.66	3 / 2			
reaction time	0.144	interval	4.70	4.91	5.03		# of strides	10.72	9.94	0.78
		velocity	8.31	10.64	10.18	9.94	9.68	9.33	10.06	
<b>Smellie, Gavin (CAN) (1986)</b>	time	5.94	10.59	15.44	20.71	20.71	7 / 3			
reaction time	0.165	interval	4.65	4.85	5.27		# of strides	10.59	10.12	0.47
		velocity	8.42	10.75	10.31	9.49	9.66	9.44	9.88	
<b>Mpuang, Thuso (RSA) (1985)</b>	time	6.01	10.67	15.63	20.91	20.91	4 / 4			
reaction time	0.158	interval	4.66	4.96	5.28		# of strides	10.67	10.24	0.43
		velocity	8.32	10.73	10.08	9.47	9.56	9.37	9.77	
<b>McKenzie, Ramone (JAM) (1991)</b>	time	6.06	10.82	15.75	20.97	20.97	5 / 5			
reaction time	0.162	interval	4.76	4.93	5.22		# of strides	10.82	10.15	0.67
		velocity	8.25	10.50	10.14	9.58	9.54	9.24	9.85	

**Heat 8**

date 18-Aug-09 wind -0.9 m/s Graubner (2009) - biomechanical analyses at the 12th IAAF world championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Connaughton, Jared (CAN) (1985)</b>	time	5.88	10.61	15.55	20.82	20.82	1 / 1			
reaction time	0.137	interval	4.73	4.94	5.27		# of strides	10.61	10.21	0.40
		velocity	8.50	10.57	10.12	9.49	9.61	9.43	9.79	
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.85	10.62	15.50	20.86	20.86	8 / 2			
reaction time	0.163	interval	4.77	4.88	5.36		# of strides	10.62	10.24	0.38
		velocity	8.55	10.48	10.25	9.33	9.59	9.42	9.77	
<b>Buckland, Stéphan (MRI) (1977)</b>	time	5.99	10.68	15.63	21.00	21.00	2 / 3			
reaction time	0.144	interval	4.69	4.95	5.37		# of strides	10.68	10.32	0.36
		velocity	8.35	10.66	10.10	9.31	9.52	9.36	9.69	

**Heat 7**

date 18-Aug-09 wind -0.6 m/s Graubner (2009) - biomechanical analyses at the 12th IAAF world championships

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mbandjock, Martial (FRA) (1985)</b>	time	5.94	10.62	15.58	20.65	20.65	2 / 1			
reaction time	0.120	interval	4.68	4.96	5.07		# of strides	10.62	10.03	0.59
		velocity	8.42	10.68	10.08	9.86	9.69	9.42	9.97	
<b>Cribari, Marco (SUI) (1985)</b>	time	6.01	10.67	15.55	20.80	20.80	5 / 2			
reaction time	0.144	interval	4.66	4.88	5.25		# of strides	10.67	10.13	0.54
		velocity	8.32	10.73	10.25	9.52	9.62	9.37	9.87	
<b>Palacios, Rolando (HON) (1987)</b>	time	6.08	10.78	15.65	20.83	20.83	4 / 3			
reaction time	0.195	interval	4.70	4.87	5.18		# of strides	10.78	10.05	0.73
		velocity	8.22	10.64	10.27	9.65	9.60	9.28	9.95	
<b>Kosenkow, Alexander (GER) (1985)</b>	time	5.84	10.52	15.48	20.99	20.99	8 / 5			
reaction time	0.152	interval	4.68	4.96	5.51		# of strides	10.52	10.47	0.05
		velocity	8.56	10.68	10.08	9.07	9.53	9.51	9.55	



**Heat 6**

		date	18-Aug-09	wind	0.2 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Edward, Alonso (PAN) (1989)</b>	time			6.00	10.65	15.45	20.71	20.71	7 / 1			
	reaction time	0.186	interval		4.65	4.80	5.26		# of strides	10.65	10.06	0.59
			velocity	8.33	10.75	10.42	9.51	9.66		9.39	9.94	
<b>Schneeberger, Marc (SUI) (1981)</b>	time			6.05	10.75	15.62	20.76	20.76	4 / 2			
	reaction time	0.136	interval		4.70	4.87	5.14		# of strides	10.75	10.01	0.74
			velocity	8.26	10.64	10.27	9.73	9.63		9.30	9.99	
<b>Callender, Emmanuel (TTO) (1988)</b>	time			5.85	10.49	15.45	20.81	20.81	5 / 3			
	reaction time	0.161	interval		4.64	4.96	5.36		# of strides	10.49	10.32	0.17
			velocity	8.55	10.78	10.08	9.33	9.61		9.53	9.69	

**Heat 5**

		date	18-Aug-09	wind	-0.2 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Bolt, Usain (JAM) (1986)</b>	time			5.93	10.67	15.55	20.70	20.70	5 / 1			
	reaction time	0.183	interval		4.74	4.88	5.15		# of strides	10.67	10.03	0.64
			velocity	8.43	10.55	10.25	9.71	9.66		9.37	9.97	
<b>Sorrillo, Rondell (TTO) (1986)</b>	time			5.95	10.81	15.60	20.74	20.74	8 / 2			
	reaction time	0.159	interval		4.86	4.79	5.14		# of strides	10.81	9.93	0.88
			velocity	8.40	10.29	10.44	9.73	9.64		9.25	10.07	
<b>Effah, Sam (CAN) (1988)</b>	time			5.89	10.65	15.58	20.80	20.80	4 / 3			
	reaction time	0.150	interval		4.76	4.93	5.22		# of strides	10.65	10.15	0.50
			velocity	8.49	10.50	10.14	9.58	9.62		9.39	9.85	

**Heat 4**

		date	18-Aug-09	wind	0.2 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Devonish, Marlon (GBR) (1976)</b>	time			5.98	10.70	15.62	20.92	20.92	8 / 1			
	reaction time	0.153	interval		4.72	4.92	5.30		# of strides	10.70	10.22	0.48
			velocity	8.36	10.59	10.16	9.43	9.56		9.35	9.78	
<b>Guliyev, Ramil (AZE) (1990)</b>	time			6.04	10.84	15.76	21.12	21.12	5 / 2			
	reaction time	0.148	interval		4.80	4.92	5.36		# of strides	10.84	10.28	0.56
			velocity	8.28	10.42	10.16	9.33	9.47		9.23	9.73	
<b>Niit, Marek (EST) (1987)</b>	time			5.93	10.80	15.85	21.21	21.21	7 / 3			
	reaction time	0.154	interval		4.87	5.05	5.36		# of strides	10.80	10.41	0.39
			velocity	8.43	10.27	9.90	9.33	9.43		9.26	9.61	

**Heat 3**

		date	18-Aug-09	wind	0.1 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Mullings, Steve (JAM) (1982)</b>	time			5.81	10.46	15.36	20.62	20.62	5 / 1			
	reaction time	0.153	interval		4.65	4.90	5.26		# of strides	10.46	10.16	0.30
			velocity	8.61	10.75	10.20	9.51	9.70		9.56	9.84	
<b>Hession, Paul (IRL) (1983)</b>	time			6.04	10.73	15.55	20.66	20.66	6 / 2			
	reaction time	0.144	interval		4.69	4.82	5.11		# of strides	10.73	9.93	0.80
			velocity	8.28	10.66	10.37	9.78	9.68		9.32	10.07	
<b>Fujimitsu, Kenji (JPN) (1986)</b>	time			5.95	10.65	15.51	20.69	20.69	8 / 3			
	reaction time	0.172	interval		4.70	4.86	5.18		# of strides	10.65	10.04	0.61
			velocity	8.40	10.64	10.29	9.65	9.67		9.39	9.96	
<b>Alerte, David (FRA) (1984)</b>	time			5.95	10.69	15.58	20.72	20.72	3 / 4			
	reaction time	0.148	interval		4.74	4.89	5.14		# of strides	10.69	10.03	0.66
			velocity	8.40	10.55	10.22	9.73	9.65		9.35	9.97	

**Heat 2**

		date	18-Aug-09	wind	-1.6 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Christian, Brendan (ANT) (1983)</b>	time			5.90	10.60	15.54	20.81	20.81	4 / 1			
	reaction time	0.144	interval		4.70	4.94	5.27		# of strides	10.60	10.21	0.39
			velocity	8.47	10.64	10.12	9.49	9.61		9.43	9.79	

<b>Menga, Alexio Platini (GER) (19)</b>	time	5.93	10.62	15.58	20.84	20.84	2 / 2			
	reaction time	0.145	interval	4.69	4.96	5.26	# of strides	10.62	10.22	0.40
			velocity	8.43	10.66	10.08	9.51	9.60	9.42	9.78
<b>Meité, Ben Youssef (CIV) (1986)</b>	time	5.94	10.64	15.60	20.93	20.93	1 / 4			
	reaction time	0.171	interval	4.70	4.96	5.33	# of strides	10.64	10.29	0.35
			velocity	8.42	10.64	10.08	9.38	9.56	9.40	9.72
<b>Al-Salfa, Omar Juma (UAE) (19)</b>	time	5.98	10.71	15.64	20.84	20.94	8 / 5			
	reaction time	0.187	interval	4.73	4.93	5.20	# of strides	10.71	10.13	0.58
			velocity	8.36	10.57	10.14	9.62	9.55	9.34	9.87

**Heat 1**

		date	18-Aug-09	wind	-1.5 m/s	<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time			5.89	10.50	15.28	20.60	20.60	4 / 1			
	reaction time	0.146	interval		4.61	4.78	5.32		# of strides	10.50	10.10	0.40
			velocity	8.49	10.85	10.46	9.40	9.71		9.52	9.90	
<b>Smirnov, Roman (RUS) (1984)</b>	time			5.96	10.70	15.61	20.85	20.85	2 / 2			
	reaction time	0.143	interval		4.74	4.91	5.24		# of strides	10.70	10.15	0.55
			velocity	8.39	10.55	10.18	9.54	9.59		9.35	9.85	
<b>Dzingai, Brian (ZIM) (1981)</b>	time			5.94	10.61	15.55	20.97	20.97	3 / 3			
	reaction time	0.141	interval		4.67	4.94	5.42		# of strides	10.61	10.36	0.25
			velocity	8.42	10.71	10.12	9.23	9.54		9.43	9.65	

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

		date	01-Aug-09	wind	1.6 m/s	<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee- biomechanics</i>						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Iizuka, Shota (JPN) (1991)</b>	time			5.99	10.87	15.87	21.01	21.01	3 / 1			
	reaction time		interval		4.88	5.00	5.14		# of strides	10.87	10.14	0.73
			velocity	8.35	10.25	10.00	9.73	9.52		9.20	9.86	
<b>Kimura, Jun (JPN) (1991)</b>	time			6.09	10.95	15.89	21.07	21.07	5 / 2			
	reaction time		interval		4.86	4.94	5.18		# of strides	10.95	10.12	0.83
			velocity	8.21	10.29	10.12	9.65	9.49		9.13	9.88	
<b>Honma, Keisuke (JPN) (1993)</b>	time			6.11	10.90	15.91	21.16	21.16	4 / 3			
	reaction time		interval		4.79	5.01	5.25		# of strides	10.90	10.26	0.64
			velocity	8.18	10.44	9.98	9.52	9.45		9.17	9.75	
<b>Matsumoto, Kotaro (JPN) (1991)</b>	time			6.32	11.21	16.12	21.35	21.35	7 / 4			
	reaction time		interval		4.89	4.91	5.23		# of strides	11.21	10.14	1.07
			velocity	7.91	10.22	10.18	9.56	9.37		8.92	9.86	
<b>Arashikawa, Aito (JPN) (1991)</b>	time			6.13	10.98	16.05	21.35	21.35	8 / 5			
	reaction time		interval		4.85	5.07	5.30		# of strides	10.98	10.37	0.61
			velocity	8.16	10.31	9.86	9.43	9.37		9.11	9.64	
<b>Murayoshi, Seiji (JPN) (1991)</b>	time			6.05	11.10	16.18	21.43	21.43	2 / 6			
	reaction time		interval		5.05	5.08	5.25		# of strides	11.10	10.33	0.77
			velocity	8.26	9.90	9.84	9.52	9.33		9.01	9.68	
<b>Nakamura, Keisuke (JPN) (1991)</b>	time			6.16	11.10	16.19	21.58	21.58	6 / 7			
	reaction time		interval		4.94	5.09	5.39		# of strides	11.10	10.48	0.62
			velocity	8.12	10.12	9.82	9.28	9.27		9.01	9.54	
<b>Tokunaga, Daichi (JPN) (1991)</b>	time				11.17	16.29	21.67	21.67	1 / 8			
	reaction time		interval			5.12	5.38		# of strides	11.17	10.50	0.67
			velocity		8.95	9.77	9.29	9.23		8.95	9.52	

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

		date	17-May-09	wind	1.1 m/s	<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>					
				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m

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

<b>Bolt, Usain (JAM) (1986)</b>	time	5.65	9.91	14.35	14.35	3 / 1		
	reaction time	interval	4.26	4.44	<b>WB</b>	# of strides	9.91	8.70
	velocity	8.85	11.74	11.26	10.45		10.09	11.49
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.77	10.27	15.07	15.07	1 / 2		
	reaction time	interval	4.50	4.80		# of strides	10.27	9.30
	velocity	8.67	11.11	10.42	9.95		9.74	10.75
<b>Williams, Ivory (USA) (1985)</b>	time	5.79	10.26	15.08	15.08	2 / 3		
	reaction time	interval	4.47	4.82	<b>PB</b>	# of strides	10.26	9.29
	velocity	8.64	11.19	10.37	9.95		9.75	10.76
<b>Fifton, Rikki (USA) (1985)</b>	time	5.78	10.28	15.13	15.13	4 / 4		
	reaction time	interval	4.50	4.85	<b>PB</b>	# of strides	10.28	9.35
	velocity	8.65	11.11	10.31	9.91		9.73	10.70

**B FINAL**

date 17-May-09 wind 1.1 m/s Jalava (2009) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Turner, Andy (GBR) (1980)</b>	time		10.32	15.20	15.20	/ 1			
	reaction time	interval		4.88	<b>PB</b>	# of strides	10.32		
	velocity	9.69	10.25		9.87		9.69		
<b>Yearwood, Leevan (GBR) (1988)</b>	time		10.41	15.29	15.29	/ 2			
	reaction time	interval		4.88	<b>PB</b>	# of strides	10.41		
	velocity	9.61	10.25		9.81		9.61		
<b>Brown, Xavier (JAM) (1983)</b>	time		10.57	15.53	15.53	/ 3			
	reaction time	interval		4.96	<b>PB</b>	# of strides	10.57		
	velocity	9.46	10.08		9.66		9.46		
<b>Forsythe, Mario (JAM) (1985)</b>	time		10.59		dnf	/ --			
	reaction time	interval				# of strides	10.59		
	velocity	9.44					9.44		

**Heat 2**

date 17-May-09 wind 0.2 m/s Jalava (2009) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Devonish, Marlon (GBR) (1976)</b>	time		10.41	15.37	15.37	/ 1			
	reaction time	interval		4.96		# of strides	10.41		
	velocity	9.61	10.08		9.76		9.61		
<b>Fifton, Rikki (USA) (1985)</b>	time		10.48	15.49	15.49	/ 2			
	reaction time	interval		5.01		# of strides	10.48		
	velocity	9.54	9.98		9.68		9.54		
<b>Yearwood, Leevan (GBR) (1988)</b>	time		10.51	15.52	15.52	/ 3			
	reaction time	interval		5.01		# of strides	10.51		
	velocity	9.51	9.98		9.66		9.51		
<b>Brown, Xavier (JAM) (1983)</b>	time		10.81	15.99	15.99	/ 4			
	reaction time	interval		5.18		# of strides	10.81		
	velocity	9.25	9.65		9.38		9.25		

**Heat 1**

date 17-May-09 wind -0.8 m/s Jalava (2009) - www.tilastopaja.org

		50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	50-150m
<b>Williams, Ivory (USA) (1985)</b>	time		10.35	15.32	15.32	/ 1			
	reaction time	interval		4.97		# of strides	10.35		
	velocity	9.66	10.06		9.79		9.66		
<b>Forsythe, Mario (JAM) (1985)</b>	time		10.54	15.60	15.60	/ 2			
	reaction time	interval		5.06	<b>PB</b>	# of strides	10.54		
	velocity	9.49	9.88		9.62		9.49		
<b>Turner, Andy (GBR) (1980)</b>	time		10.63	15.73	15.73	/ 3			
	reaction time	interval		5.10		# of strides	10.63		
	velocity	9.41	9.80		9.54		9.41		

<b>Williamson, Simeon (GBR) (1981)</b>	time	10.78	16.09	16.09	/ 4			
reaction time	interval		5.31	<b>PB</b>	# of strides	10.78		
	velocity	9.28	9.42	9.32		9.28		

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

### FINAL

date 14-Sep-08 wind -0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Buckland, Stéphan (MRI) (1977)</b>	time	5.95	10.54	15.37	20.57	20.57	7 / 1			
reaction time	interval	0.149	4.59	4.83	5.20		# of strides	10.54	10.03	0.51
	velocity	8.40	10.89	10.35	9.62	9.72		9.49	9.97	
<b>Hession, Paul (IRL) (1983)</b>	time	6.01	10.61	15.45	20.58	20.58	8 / 2			
reaction time	interval	0.160	4.60	4.84	5.13		# of strides	10.61	9.97	0.64
	velocity	8.32	10.87	10.33	9.75	9.72		9.43	10.03	
<b>Christian, Brendan (ANT) (1983)</b>	time	5.86	10.41	15.31	20.61	20.61	3 / 3			
reaction time	interval	0.153	4.55	4.90	5.30		# of strides	10.41	10.20	0.21
	velocity	8.53	10.99	10.20	9.43	9.70		9.61	9.80	
<b>Williams, Christopher (JAM) (1981)</b>	time	5.99	10.57	15.43	20.66	20.66	5 / 4			
reaction time	interval	0.162	4.58	4.86	5.23		# of strides	10.57	10.09	0.48
	velocity	8.35	10.92	10.29	9.56	9.68		9.46	9.91	
<b>Martin, Rodney (USA) (1982)</b>	time	6.10	10.73	15.55	20.66	20.66	6 / 5			
reaction time	interval	0.164	4.63	4.82	5.11		# of strides	10.73	9.93	0.80
	velocity	8.20	10.80	10.37	9.78	9.68		9.32	10.07	
<b>Dzingai, Brian (ZIM) (1981)</b>	time	5.96	10.52	15.43	20.88	20.88	4 / 6			
reaction time	interval	0.185	4.56	4.91	5.45		# of strides	10.52	10.36	0.16
	velocity	8.39	10.96	10.18	9.17	9.58		9.51	9.65	
<b>Devonish, Marlon (GBR) (1976)</b>	time	6.04	10.74	15.73	21.02	21.02	2 / 7			
reaction time	interval	0.151	4.70	4.99	5.29		# of strides	10.74	10.28	0.46
	velocity	8.28	10.64	10.02	9.45	9.51		9.31	9.73	
<b>Brown, Joel (USA) (1980)</b>	time	5.98	10.75	15.80	21.23	21.23	1 / 8			
reaction time	interval	0.139	4.77	5.05	5.43		# of strides	10.75	10.48	0.27
	velocity	8.36	10.48	9.90	9.21	9.42		9.30	9.54	

## 2008 Olympic Games (Beijing, CHN)

### FINAL

date 20-Aug-08

wind -0.9 m/s er (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time		9.98		19.30	19.30	5 / 1			
reaction time	interval	0.182			9.32	<b>WR</b>	# of strides	9.98	9.32	0.66
	velocity		10.02		10.73	10.36	79.7	10.02	10.73	
<b>Martina, Churandy (NED) (1984)</b>	time		10.20		19.82	19.82	7 / <del>2</del>			
reaction time	interval	0.144			9.62	<b>DQ</b>	# of strides	10.20	9.62	0.58
	velocity		9.80		10.40	10.09	87.7	9.80	10.40	
<b>Spearmon, Wallace (USA) (1984)</b>	time		10.50		19.95	19.95	9 / <del>3</del>			
reaction time	interval	0.167			9.45	<b>DQ</b>	# of strides	10.50	9.45	1.05
	velocity		9.52		10.58	10.03	83.0	9.52	10.58	
<b>Crawford, Shawn (USA) (1978)</b>	time		10.20		19.96	19.96	4 / <del>4</del> 2			
reaction time	interval	0.210			9.76		# of strides	10.20	9.76	0.44
	velocity		9.80		10.25	10.02	90.0	9.80	10.25	
<b>Dix, Walter (USA) (1986)</b>	time		10.26		19.98	19.98	8 / <del>5</del> 3			
reaction time	interval	0.151			9.72		# of strides	10.26	9.72	0.54
	velocity		9.75		10.29	10.01	88.0	9.75	10.29	
<b>Dzingal, Brian (ZIM) (1981)</b>	time		10.39		20.22	20.22	6 / <del>6</del> 4			
reaction time	interval	0.185			9.83		# of strides	10.39	9.83	0.56
	velocity		9.62		10.17	9.89	90.5	9.62	10.17	

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

<b>Malcolm, Christian (GBR) (1979)</b>	time	10.47	20.40	20.40	3 / <del>7</del> 5				
reaction time	0.212	interval	9.93		# of strides	10.47	9.93	0.54	
		velocity	9.55	10.07	9.80	89.5	9.55	10.07	
<b>Collins, Kim (SKN) (1976)</b>	time	10.45	20.59	20.59	2 / <del>8</del> 6				
reaction time	0.165	interval	10.14		# of strides	10.45	10.14	0.31	
		velocity	9.57	9.86	9.71	91.0	9.57	9.86	

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

#### FINAL

		date	01-Aug-08	wind	-1.3 m/s	Abe (2008) - 61st high school championships: JAF scientific committee- biomechanics						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Motoshio, Ryo (JPN) (1990)</b>	time		6.03	10.90	16.05	21.51	21.51		/ 1			
reaction time			interval	4.87	5.15	5.46			# of strides	10.90	10.61	0.29
			velocity	8.29	10.27	9.71	9.16	9.30		9.17	9.43	
<b>Kaji, Masanori (JPN) (1991)</b>	time		6.03	10.93	16.08	21.52	21.52		/ 2			
reaction time			interval	4.90	5.15	5.44			# of strides	10.93	10.59	0.34
			velocity	8.29	10.20	9.71	9.19	9.29		9.15	9.44	
<b>Suzuki, Daisuke (JPN) (1990)</b>	time		6.04	10.98	16.18	21.73	21.73		/ 3			
reaction time			interval	4.94	5.20	5.55			# of strides	10.98	10.75	0.23
			velocity	8.28	10.12	9.62	9.01	9.20		9.11	9.30	
<b>Nomura, Shogo (JPN) (1990)</b>	time		6.14	11.07	16.25	21.85	21.85		/ 4			
reaction time			interval	4.93	5.18	5.60			# of strides	11.07	10.78	0.29
			velocity	8.14	10.14	9.65	8.93	9.15		9.03	9.28	
<b>Asada, Kiyotaka (JPN) (1990)</b>	time		6.23	11.27	16.43	21.86	21.86		/ 5			
reaction time			interval	5.04	5.16	5.43			# of strides	11.27	10.59	0.68
			velocity	8.03	9.92	9.69	9.21	9.15		8.87	9.44	
<b>Tajima, Kazuya (JPN) (1990)</b>	time		6.05	11.07	16.37	21.98	21.98		/ 6			
reaction time			interval	5.02	5.30	5.61			# of strides	11.07	10.91	0.16
			velocity	8.26	9.96	9.43	8.91	9.10		9.03	9.17	
<b>Nakagawa, Fumiya (JPN) (1991)</b>	time		6.20	11.27	16.55	22.15	22.15		/ 7			
reaction time			interval	5.07	5.28	5.60			# of strides	11.27	10.88	0.39
			velocity	8.06	9.86	9.47	8.93	9.03		8.87	9.19	

### 2008 Windsprint (Sundsvall, SWE)

#### FINAL

		date	06-Jul-08	wind	2.5 m/s	(2008) - www.ssg.se/en/Windsprint/Split-times/							
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Wissman, Johan (SWE) (1982)</b>	time				10.67	15.44	20.47	20.47		5 / 1			
reaction time					interval	4.77	5.03			# of strides	10.67	9.80	0.87
					velocity	9.37	10.48	9.94	9.77		9.37	10.20	
<b>Hongisto, Visa (FIN) (1987)</b>	time				10.79	15.75	20.97	20.97		6 / 2			
reaction time					interval	4.96	5.22			# of strides	10.79	10.18	0.61
					velocity	9.27	10.08	9.58	9.54		9.27	9.82	
<b>Seoud, Amr Ibrahim Mostafa (E)</b>	time				10.83	15.81	21.08	21.08		2 / 3			
reaction time					interval	4.98	5.27			# of strides	10.83	10.25	0.58
					velocity	9.23	10.04	9.49	9.49		9.23	9.76	
<b>du Plessis, Corné (RSA) (1978)</b>	time				10.97	16.03	21.42	21.42		4 / 4			
reaction time					interval	5.06	5.39			# of strides	10.97	10.45	0.52
					velocity	9.12	9.88	9.28	9.34		9.12	9.57	
<b>Waugh, Ainsley (JAM) (1981)</b>	time				10.97	16.24	21.83	21.83		3 / 5			
reaction time					interval	5.27	5.59			# of strides	10.97	10.86	0.11
					velocity	9.12	9.49	8.94	9.16		9.12	9.21	

#### B FINAL

		date	06-Jul-08	wind	3.0 m/s	(2008) - www.ssg.se/en/Windsprint/Split-times/						
				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential

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

<b>Hyde, Nicklas (DEN) (1986)</b>	time	11.21	16.30	21.56	21.56	4 / 1			
reaction time	interval		5.09	5.26		# of strides	11.21	10.35	0.86
	velocity	8.92	9.82	9.51	9.28		8.92	9.66	
<b>Wellington, Andre (JAM) (1986)</b>	time	11.16	16.40	22.17	22.17	5 / 2			
reaction time	interval		5.24	5.77		# of strides	11.16	11.01	0.15
	velocity	8.96	9.54	8.67	9.02		8.96	9.08	

**C FINAL**

date 06-Jul-08 wind 0.8 m/s

(2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Peeroo, Ahmed Bongo (MRI) (1986)</b>	time	11.06	16.17	21.60	21.60	21.60	3 / 1			
reaction time	interval		5.11	5.43			# of strides	11.06	10.54	0.52
	velocity	9.04	9.78	9.21	9.26			9.04	9.49	
<b>Bossé, Béranger (CAF) (1985)</b>	time	10.92	16.15	21.83	21.83	21.83	4 / 2			
reaction time	interval		5.23	5.68			# of strides	10.92	10.91	0.01
	velocity	9.16	9.56	8.80	9.16			9.16	9.17	
<b>Mokdasi, Andreas (SWE) (1984)</b>	time	11.21	16.41	21.90	21.90	21.90	2 / 3			
reaction time	interval		5.20	5.49			# of strides	11.21	10.69	0.52
	velocity	8.92	9.62	9.11	9.13			8.92	9.35	
<b>Eriksson, Torbjörn (SWE) (1971)</b>	time	11.24	16.52	22.20	22.20	22.20	5 / 4			
reaction time	interval		5.28	5.68			# of strides	11.24	10.96	0.28
	velocity	8.90	9.47	8.80	9.01			8.90	9.12	
<b>Sebabi, Nasser (SWE) (1986)</b>	time	11.34	16.79	22.75	22.75	22.75	6 / 5			
reaction time	interval		5.45	5.96			# of strides	11.34	11.41	-0.07
	velocity	8.82	9.17	8.39	8.79			8.82	8.76	

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

date 06-Jul-08 wind 1.7 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Dix, Walter (USA) (1986)</b>	time	5.77	10.30	14.94	19.86	19.86	3 / 1			
reaction time	0.174 interval		4.53	4.64	4.92		# of strides	10.30	9.56	0.74
	velocity	8.67	11.04	10.78	10.16	10.07		9.71	10.46	
<b>Crawford, Shawn (USA) (1978)</b>	time	5.78	10.29	14.92	19.86	19.86	4 / 2			
reaction time	0.167 interval		4.51	4.63	4.94		# of strides	10.29	9.57	0.72
	velocity	8.65	11.09	10.80	10.12	10.07		9.72	10.45	
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.97	10.54	15.18	19.90	19.90	6 / 3			
reaction time	0.147 interval		4.57	4.64	4.72		# of strides	10.54	9.36	1.18
	velocity	8.38	10.94	10.78	10.59	10.05		9.49	10.68	
<b>Martin, Rodney (USA) (1982)</b>	time	5.82	10.39	15.10	19.99	19.99	5 / 4			
reaction time	0.171 interval		4.57	4.71	4.89	<b>PB</b>	# of strides	10.39	9.60	0.79
	velocity	8.59	10.94	10.62	10.22	10.01		9.62	10.42	
<b>Clark, Charles (USA) (1987)</b>	time	5.93	10.61	15.40	20.53	20.53	1 / 5			
reaction time	0.156 interval		4.68	4.79	5.13		# of strides	10.61	9.92	0.69
	velocity	8.43	10.68	10.44	9.75	9.74		9.43	10.08	
<b>Williams, Rubin (USA) (1983)</b>	time	6.31	10.84	15.52	20.61	20.61	8 / 6			
reaction time	0.161 interval		4.53	4.68	5.09		# of strides	10.84	9.77	1.07
	velocity	7.92	11.04	10.68	9.82	9.70		9.23	10.24	
<b>Williams, Bernard (USA) (1978)</b>	time	5.92	10.58	15.35	20.63	20.63	2 / 7			
reaction time	0.171 interval		4.66	4.77	5.28		# of strides	10.58	10.05	0.53
	velocity	8.45	10.73	10.48	9.47	9.69		9.45	9.95	

**Semi-Final 2**

date 05-Jul-08 wind -0.9 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time	5.83	10.44	14.98	20.21	20.21	4 / 1			
reaction time	interval		4.61	4.54	5.23		# of strides	10.44	9.77	0.67

	velocity	8.58	10.85	11.01	9.56	9.90		9.58	10.24	
<b>Carter, Xavier (USA) (1985)</b>	time	5.96	10.59	15.34	20.55	20.55	6 / 2			
reaction time	interval		4.63	4.75	5.21		# of strides	10.59	9.96	0.63
	velocity	8.39	10.80	10.53	9.60	9.73		9.44	10.04	
<b>Williams, Rubin (USA) (1983)</b>	time	5.93	10.61	15.37	20.56	20.56	7 / 3			
reaction time	interval		4.68	4.76	5.19		# of strides	10.61	9.95	0.66
	velocity	8.43	10.68	10.50	9.63	9.73		9.43	10.05	
<b>Williams, Bernard (USA) (1978)</b>	time	5.92	10.64	15.36	20.60	20.60	5 / 4			
reaction time	interval		4.72	4.72	5.24		# of strides	10.64	9.96	0.68
	velocity	8.45	10.59	10.59	9.54	9.71		9.40	10.04	
<b>Wells, Evander (USA) (1987)</b>	time	5.92	10.67	15.62	20.80	20.80	1 / 5			
reaction time	interval		4.75	4.95	5.18		# of strides	10.67	10.13	0.54
	velocity	8.45	10.53	10.10	9.65	9.62		9.37	9.87	
<b>Grimes, Mickey (USA) (1976)</b>	time	5.91	10.59	15.51	20.96	20.96	3 / 6			
reaction time	interval		4.68	4.92	5.45		# of strides	10.59	10.37	0.22
	velocity	8.46	10.68	10.16	9.17	9.54		9.44	9.64	
<b>Garvin, Michael (USA) (1986)</b>	time	5.97	10.72	15.63	20.96	20.96	2 / 7			
reaction time	interval		4.75	4.91	5.33		# of strides	10.72	10.24	0.48
	velocity	8.38	10.53	10.18	9.38	9.54		9.33	9.77	

**Semi-Final 1**

date 05-Jul-08 wind 2.2 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Martin, Rodney (USA) (1982)</b>	time	5.96	10.57	15.18	20.04	20.04	5 / 1			
reaction time	interval		4.61	4.61	4.86		# of strides	10.57	9.47	1.10
	velocity	8.39	10.85	10.85	10.29	9.98		9.46	10.56	
<b>Spearmon, Wallace (USA) (1984)</b>	time	6.02	10.62	15.18	20.05	20.05	7 / 2			
reaction time	interval		4.60	4.56	4.87		# of strides	10.62	9.43	1.19
	velocity	8.31	10.87	10.96	10.27	9.98		9.42	10.60	
<b>Dix, Walter (USA) (1986)</b>	time	5.87	10.52	15.23	20.09	20.09	4 / 3			
reaction time	interval		4.65	4.71	4.86		# of strides	10.52	9.57	0.95
	velocity	8.52	10.75	10.62	10.29	9.96		9.51	10.45	
<b>Clark, Charles (USA) (1987)</b>	time	6.02	10.86	15.48	20.48	20.48	6 / 4			
reaction time	interval		4.84	4.62	5.00		# of strides	10.86	9.62	1.24
	velocity	8.31	10.33	10.82	10.00	9.77		9.21	10.40	
<b>Vaden, Jordan (USA) (1978)</b>	time	5.89	10.57	15.48	20.66	20.66	3 / 5			
reaction time	interval		4.68	4.91	5.18		# of strides	10.57	10.09	0.48
	velocity	8.49	10.68	10.18	9.65	9.68		9.46	9.91	
<b>Samuels, J-Mee (USA) (1987)</b>	time	5.94	10.67	15.53	20.67	20.67	2 / 6			
reaction time	interval		4.73	4.86	5.14		# of strides	10.67	10.00	0.67
	velocity	8.42	10.57	10.29	9.73	9.68		9.37	10.00	
<b>Capel, John (USA) (1978)</b>	time	6.08	10.83	15.61	20.81	20.81	8 / 7			
reaction time	interval		4.75	4.78	5.20		# of strides	10.83	9.98	0.85
	velocity	8.22	10.53	10.46	9.62	9.61		9.23	10.02	
<b>Dykes, Chris (USA) (1987)</b>	time	6.16	10.93	15.79	20.97	20.97	1 / 8			
reaction time	interval		4.77	4.86	5.18		# of strides	10.93	10.04	0.89
	velocity	8.12	10.48	10.29	9.65	9.54		9.15	9.96	

**Quarter-Final 4**

date 05-Jul-08 wind 1.8 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time	5.95	10.59	15.16	20.33	20.33	6 / 1			
reaction time	interval		4.64	4.57	5.17		# of strides	10.59	9.74	0.85
	velocity	8.40	10.78	10.94	9.67	9.84		9.44	10.27	

<b>Clark, Charles (USA) (1987)</b>	time	6.09	10.89	15.51	20.55	20.55	7 / 2			
reaction time	interval		4.80	4.62	5.04		# of strides	10.89	9.66	1.23
	velocity	8.21	10.42	10.82	9.92	9.73		9.18	10.35	
<b>Lawrence, Michael (USA) (1985)</b>	time	6.02	10.82	15.58	20.64	20.64	5 / 3			
reaction time	interval		4.80	4.76	5.06		# of strides	10.82	9.82	1.00
	velocity	8.31	10.42	10.50	9.88	9.69		9.24	10.18	
<b>Dykes, Chris (USA) (1987)</b>	time	6.02	10.76	15.63	20.85	20.85	3 / 4			
reaction time	interval		4.74	4.87	5.22		# of strides	10.76	10.09	0.67
	velocity	8.31	10.55	10.27	9.58	9.59		9.29	9.91	
<b>Samuels, J-Mee (USA) (1987)</b>	time	6.07	10.79	15.65	20.86	20.86	8 / 5			
reaction time	interval		4.72	4.86	5.21		# of strides	10.79	10.07	0.72
	velocity	8.24	10.59	10.29	9.60	9.59		9.27	9.93	

**Quarter-Final 3**

date 05-Jul-08 wind 0.1 m/s USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Dix, Walter (USA) (1986)</b>	time	5.93	10.63	15.41	20.56	20.56	7 / 1			
reaction time	interval		4.70	4.78	5.15		# of strides	10.63	9.93	0.70
	velocity	8.43	10.64	10.46	9.71	9.73		9.41	10.07	
<b>Spearmon, Wallace (USA) (1984)</b>	time	6.06	10.68	15.38	20.59	20.59	6 / 2			
reaction time	interval		4.62	4.70	5.21		# of strides	10.68	9.91	0.77
	velocity	8.25	10.82	10.64	9.60	9.71		9.36	10.09	
<b>Vaden, Jordan (USA) (1978)</b>	time	5.91	10.56	15.38	20.73	20.73	5 / 3			
reaction time	interval		4.65	4.82	5.35		# of strides	10.56	10.17	0.39
	velocity	8.46	10.75	10.37	9.35	9.65		9.47	9.83	
<b>Wells, Evander (USA) (1987)</b>	time	6.01	10.73	15.56	20.73	20.73	4 / 4			
reaction time	interval		4.72	4.83	5.17		# of strides	10.73	10.00	0.73
	velocity	8.32	10.59	10.35	9.67	9.65		9.32	10.00	
<b>Garvin, Michael (USA) (1986)</b>	time	5.98	10.67	15.53	20.95	20.95	8 / 5			
reaction time	interval		4.69	4.86	5.42		# of strides	10.67	10.28	0.39
	velocity	8.36	10.66	10.29	9.23	9.55		9.37	9.73	
<b>Dixon, Arman (USA) (1986)</b>	time	6.04	10.92	15.85	21.14	21.14	3 / 6			
reaction time	interval		4.88	4.93	5.29		# of strides	10.92	10.22	0.70
	velocity	8.28	10.25	10.14	9.45	9.46		9.16	9.78	

**Quarter-Final 2**

date 05-Jul-08 wind 1.4 m/s USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Bernard (USA) (1978)</b>	time	6.00	10.84	15.52	20.61	20.61	5 / 1			
reaction time	interval		4.84	4.68	5.09		# of strides	10.84	9.77	1.07
	velocity	8.33	10.33	10.68	9.82	9.70		9.23	10.24	
<b>Carter, Xavier (USA) (1985)</b>	time	6.04	10.79	15.63	20.61	20.61	3 / 2			
reaction time	interval		4.75	4.84	4.98		# of strides	10.79	9.82	0.97
	velocity	8.28	10.53	10.33	10.04	9.70		9.27	10.18	
<b>Capel, John (USA) (1978)</b>	time	5.91	10.64	15.49	20.70	20.70	7 / 3			
reaction time	interval		4.73	4.85	5.21		# of strides	10.64	10.06	0.58
	velocity	8.46	10.57	10.31	9.60	9.66		9.40	9.94	
<b>Dodson, Jeremy (USA) (1987)</b>	time	6.06	10.89	15.73	20.97	20.97	8 / 4			
reaction time	interval		4.83	4.84	5.24		# of strides	10.89	10.08	0.81
	velocity	8.25	10.35	10.33	9.54	9.54		9.18	9.92	
<b>Gray, Brent (USA) (1986)</b>	time	6.07	10.92	15.71	21.14	21.14	6 / 5			
reaction time	interval		4.85	4.79	5.43		# of strides	10.92	10.22	0.70
	velocity	8.24	10.31	10.44	9.21	9.46		9.16	9.78	
<b>Pugh, Marcus (USA) (1986)</b>	time	6.05	10.89	15.82	21.28	21.28	4 / 6			
reaction time	interval		4.84	4.93	5.46		# of strides	10.89	10.39	0.50

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



velocity	8.26	10.33	10.14	9.16	9.40	9.18	9.62
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**Quarter-Final 1**

date	05-Jul-08	wind	-0.5 m/s	USATF Women's Sprint Development with HPC (2008)						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Martin, Rodney (USA) (1982)</b>	time	6.02	10.79	15.43	20.52	20.52	3 / 1			
reaction time	interval		4.77	4.64	5.09		# of strides	10.79	9.73	1.06
	velocity	8.31	10.48	10.78	9.82	9.75		9.27	10.28	
<b>Williams, Rubin (USA) (1983)</b>	time	5.96	10.66	15.38	20.58	20.58	5 / 2			
reaction time	interval		4.70	4.72	5.20		# of strides	10.66	9.92	0.74
	velocity	8.39	10.64	10.59	9.62	9.72		9.38	10.08	
<b>Grimes, Mickey (USA) (1976)</b>	time	5.94	10.71	15.63	21.18	21.18	4 / 3			
reaction time	interval		4.77	4.92	5.55		# of strides	10.71	10.47	0.24
	velocity	8.42	10.48	10.16	9.01	9.44		9.34	9.55	
<b>Johnson, Jody (USA) (1985)</b>	time	6.12	10.97	15.96	21.30	21.30	8 / 4			
reaction time	interval		4.85	4.99	5.34		# of strides	10.97	10.33	0.64
	velocity	8.17	10.31	10.02	9.36	9.39		9.12	9.68	
<b>White, Damein (USA) (1986)</b>	time	6.12			27.96	27.96	6 / 5			
reaction time	interval				21.84		# of strides			
	velocity	8.17			6.87	7.15				
<b>Gay, Tyson (USA) (1982)</b>		no information available				dnf	7 / --			

**Heat 5**

date	04-Jul-08	wind	1.3 m/s	USATF Women's Sprint Development with HPC (2008)						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Spearmon, Wallace (USA) (1984)</b>	time	6.04	10.66	15.60	20.81	20.81	7 / 1			
reaction time	interval		4.62	4.94	5.21		# of strides	10.66	10.15	0.51
	velocity	8.28	10.82	10.12	9.60	9.61		9.38	9.85	
<b>White, Damein (USA) (1986)</b>	time	6.14	10.87	15.78	20.93	20.93	6 / 2			
reaction time	interval		4.73	4.91	5.15		# of strides	10.87	10.06	0.81
	velocity	8.14	10.57	10.18	9.71	9.56		9.20	9.94	
<b>Martin, Rodney (USA) (1982)</b>	time	6.21	11.02	15.84	21.00	21.00	3 / 3			
reaction time	interval		4.81	4.82	5.16		# of strides	11.02	9.98	1.04
	velocity	8.05	10.40	10.37	9.69	9.52		9.07	10.02	
<b>Dodson, Jeremy (USA) (1987)</b>	time	6.06	10.86	15.82	21.07	21.07	4 / 4			
reaction time	interval		4.80	4.96	5.25		# of strides	10.86	10.21	0.65
	velocity	8.25	10.42	10.08	9.52	9.49		9.21	9.79	
<b>McCloud, Demetrious (USA) (1987)</b>	time	6.08	10.85	15.87	21.25	21.25	5 / 5			
reaction time	interval		4.77	5.02	5.38		# of strides	10.85	10.40	0.45
	velocity	8.22	10.48	9.96	9.29	9.41		9.22	9.62	
<b>Mitchell, Michael (USA) (1981)</b>	time	5.92	10.73	15.80	21.29	21.29	8 / 6			
reaction time	interval		4.81	5.07	5.49		# of strides	10.73	10.56	0.17
	velocity	8.45	10.40	9.86	9.11	9.39		9.32	9.47	

**Heat 4**

date	04-Jul-08	wind	1.2 m/s	USATF Women's Sprint Development with HPC (2008)						
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Dix, Walter (USA) (1986)</b>	time	6.01	10.73	15.48	20.66	20.66	4 / 1			
reaction time	interval		4.72	4.75	5.18		# of strides	10.73	9.93	0.80
	velocity	8.32	10.59	10.53	9.65	9.68		9.32	10.07	
<b>Clark, Charles (USA) (1987)</b>	time	6.12	10.86	15.56	20.76	20.76	8 / 2			
reaction time	interval		4.74	4.70	5.20		# of strides	10.86	9.90	0.96
	velocity	8.17	10.55	10.64	9.62	9.63		9.21	10.10	
<b>Dixon, Arman (USA) (1986)</b>	time	6.00	10.77	15.63	20.83	20.83	7 / 3			
reaction time	interval		4.77	4.86	5.20		# of strides	10.77	10.06	0.71
	velocity	8.33	10.48	10.29	9.62	9.60		9.29	9.94	

<b>Grimes, Mickey (USA) (1976)</b>	time	5.97	10.67	15.55	21.00	21.00	6 / 4			
	reaction time	interval	4.70	4.88	5.45		# of strides	10.67	10.33	0.34
	velocity	8.38	10.64	10.25	9.17	9.52	88.0	9.37	9.68	
<b>Samuels, J-Mee (USA) (1987)</b>	time	5.87	10.69	15.64	21.21	21.21	3 / 5			
	reaction time	interval	4.82	4.95	5.57		# of strides	10.69	10.52	0.17
	velocity	8.52	10.37	10.10	8.98	9.43	96.2	9.35	9.51	

**Heat 3**

date 04-Jul-08 wind -0.3 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Bernard (USA) (1978)</b>	time	5.88	10.63	15.40	20.65	20.65	8 / 1			
	reaction time	interval	4.75	4.77	5.25		# of strides	10.63	10.02	0.61
	velocity	8.50	10.53	10.48	9.52	9.69		9.41	9.98	
<b>Williams, Rubin (USA) (1983)</b>	time	5.89	10.61	15.39	20.70	20.70	3 / 2			
	reaction time	interval	4.72	4.78	5.31		# of strides	10.61	10.09	0.52
	velocity	8.49	10.59	10.46	9.42	9.66		9.43	9.91	
<b>Carter, Xavier (USA) (1985)</b>	time	6.04	10.77	15.52	20.86	20.86	4 / 3			
	reaction time	interval	4.73	4.75	5.34		# of strides	10.77	10.09	0.68
	velocity	8.28	10.57	10.53	9.36	9.59		9.29	9.91	
<b>Garvin, Michael (USA) (1986)</b>	time	6.01	10.72	15.70	21.10	21.10	6 / 4			
	reaction time	interval	4.71	4.98	5.40		# of strides	10.72	10.38	0.34
	velocity	8.32	10.62	10.04	9.26	9.48		9.33	9.63	

**Heat 2**

date 04-Jul-08 wind 0.8 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gay, Tyson (USA) (1982)</b>	time	5.89	10.49	15.23	20.43	20.43	5 / 1			
	reaction time	interval	4.60	4.74	5.20		# of strides	10.49	9.94	0.55
	velocity	8.49	10.87	10.55	9.62	9.79	87.0	9.53	10.06	
<b>Lawrence, Michael (USA) (1985)</b>	time	6.09	10.84	15.61	20.71	20.71	6 / 2			
	reaction time	interval	4.75	4.77	5.10		# of strides	10.84	9.87	0.97
	velocity	8.21	10.53	10.48	9.80	9.66	85.5	9.23	10.13	
<b>Capel, John (USA) (1978)</b>	time	5.99	10.67	15.41	20.73	20.73	8 / 3			
	reaction time	interval	4.68	4.74	5.32		# of strides	10.67	10.06	0.61
	velocity	8.35	10.68	10.55	9.40	9.65	89.0	9.37	9.94	
<b>Berrian, Chris (USA) (1983)</b>	time	5.91	10.56	15.41	20.74	20.74	7 / 4			
	reaction time	interval	4.65	4.85	5.33		# of strides	10.56	10.18	0.38
	velocity	8.46	10.75	10.31	9.38	9.64	85.5	9.47	9.82	
<b>Wells, Evander (USA) (1987)</b>	time	5.87	10.64	15.60	20.84	20.84	3 / 5			
	reaction time	interval	4.77	4.96	5.24		# of strides	10.64	10.20	0.44
	velocity	8.52	10.48	10.08	9.54	9.60	94.0	9.40	9.80	
<b>Pugh, Marcus (USA) (1986)</b>	time	6.10	10.90	15.77	20.99	20.99	4 / 6			
	reaction time	interval	4.80	4.87	5.22		# of strides	10.90	10.09	0.81
	velocity	8.20	10.42	10.27	9.58	9.53	94.0	9.17	9.91	

**Heat 1**

date 04-Jul-08 wind 1.0 m/s

USATF Women's Sprint Development with HPC (2008)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time	5.92	10.46	15.03	20.18	20.18	7 / 1			
	reaction time	interval	4.54	4.57	5.15		# of strides	10.46	9.72	0.74
	velocity	8.45	11.01	10.94	9.71	9.91		9.56	10.29	
<b>Gray, Brent (USA) (1986)</b>	time	5.92	10.59	15.35	20.64	20.64	8 / 2			
	reaction time	interval	4.67	4.76	5.29		# of strides	10.59	10.05	0.54
	velocity	8.45	10.71	10.50	9.45	9.69		9.44	9.95	
<b>Vaden, Jordan (USA) (1978)</b>	time	5.88	10.61	15.42	20.82	20.82	5 / 2			
	reaction time	interval	4.73	4.81	5.40		# of strides	10.61	10.21	0.40
	velocity	8.50	10.57	10.40	9.26	9.61		9.43	9.79	

<b>Dykes, Chris (USA) (1987)</b>	time	6.11	10.83	15.69	20.99	20.99	3 / 4			
reaction time	interval		4.72	4.86	5.30		# of strides	10.83	10.16	0.67
	velocity	8.18	10.59	10.29	9.43	9.53		9.23	9.84	
<b>Johnson, Jody (USA) (1985)</b>	time	6.02	10.81	15.76	21.10	21.10	4 / 5			
reaction time	interval		4.79	4.95	5.34		# of strides	10.81	10.29	0.52
	velocity	8.31	10.44	10.10	9.36	9.48		9.25	9.72	

**2008 USATF National Junior Championships (Columbus, OH)****FINAL**

	date	22-Jun-08	wind	-2.2 m/s	USATF Women's Sprint Development with HPC (2008)						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Sales, Antonio (USA) (1989)</b>	time			10.65	15.67	20.94	20.94	7 / 1			
reaction time	interval		★	★	5.02	5.27	<b>PB</b>	# of strides	10.65	10.29	0.36
	velocity		★	★	9.39	9.49	9.55	★	9.39	9.72	
<b>Mitchell, Curtis (USA) (1989)</b>	time			10.84	15.84	21.03	21.03	3 / 2			
reaction time	interval				5.00	5.19		# of strides	10.84	10.19	0.65
	velocity			9.23	10.00	9.63	9.51		9.23	9.81	
<b>Wilks, Terrell (USA) (1989)</b>	time			10.70	15.67	21.08	21.08	6 / 3			
reaction time	interval				4.97	5.41		# of strides	10.70	10.38	0.32
	velocity			9.35	10.06	9.24	9.49		9.35	9.63	
<b>Deloney, Brandon (USA) (1989)</b>	time			10.80	15.85	21.44	21.44	5 / 4			
reaction time	interval				5.05	5.59		# of strides	10.80	10.64	0.16
	velocity			9.26	9.90	8.94	9.33		9.26	9.40	
<b>Markett, Lamar (USA) (1989)</b>	time			10.86	16.08	21.54	21.54	9 / 5			
reaction time	interval				5.22	5.46		# of strides	10.86	10.68	0.18
	velocity			9.21	9.58	9.16	9.29		9.21	9.36	
<b>Mitchell, Maurice (USA) (1989)</b>	time			10.83	16.01	21.70	21.70	2 / 6			
reaction time	interval				5.18	5.69		# of strides	10.83	10.87	-0.04
	velocity			9.23	9.65	8.79	9.22		9.23	9.20	
<b>Bailey, Ryan (USA) (1989)</b>	time			10.99	16.17	22.13	22.13	4 / 7			
reaction time	interval				5.18	5.96		# of strides	10.99	11.14	-0.15
	velocity			9.10	9.65	8.39	9.04		9.10	8.98	
<b>Heriot, William (Blake) (USA) (1989)</b>	time			11.06	16.36	22.29	22.29	1 / 8			
reaction time	interval				5.30	5.93		# of strides	11.06	11.23	-0.17
	velocity			9.04	9.43	8.43	8.97		9.04	8.90	

**2008 Super Grand Prix (Doha, QAT)****FINAL**

	date	09-May-08	wind	0.8 m/s	Vazel (2011) - speed reserve in the 400m						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Merritt, LaShawn (USA) (1986)</b>	time			10.56		20.08	20.08	/ 1			
reaction time	0.190	interval				9.52		# of strides	10.56	9.52	1.04
		velocity		9.47		10.50	9.96		9.47	10.50	

**2007 IAAF World Athletic Final (Stuttgart, GER)****FINAL**

	date	23-Sep-07	wind	1.3 m/s	Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Saidy Ndure, Jaysuma (NOR) (1984)</b>	time			5.81	10.34	14.99	19.89	19.89	4 / 1			
reaction time	0.148	interval			4.53	4.65	4.90	<b>NR</b>	# of strides	10.34	9.55	0.79
		velocity		8.61	11.04	10.75	10.20	10.06		9.67	10.47	
<b>Spearmon, Wallace (USA) (1984)</b>	time			5.97	10.53	15.20	20.18	20.18	5 / 2			
reaction time	0.143	interval			4.56	4.67	4.98		# of strides	10.53	9.65	0.88
		velocity		8.38	10.96	10.71	10.04	9.91		9.50	10.36	
<b>Martin, Rodney (USA) (1982)</b>	time			5.98	10.51	15.24	20.27	20.27	6 / 3			
reaction time	0.174	interval			4.53	4.73	5.03		# of strides	10.51	9.76	0.75
		velocity		8.36	11.04	10.57	9.94	9.87		9.51	10.25	

<b>Wissman, Johan (SWE) (1982)</b>	time	6.08	10.63	15.33	20.30	20.30	7 / 4			
reaction time	0.166	interval	4.55	4.70	4.97	<b>NR</b>	# of strides	10.63	9.67	0.96
		velocity	8.22	10.99	10.64	10.06	9.85	9.41	10.34	
<b>Williams, Christopher (JAM) (1982)</b>	time	5.95	10.57	15.38	20.39	20.39	3 / 5			
reaction time	0.151	interval	4.62	4.81	5.01		# of strides	10.57	9.82	0.75
		velocity	8.40	10.82	10.40	9.98	9.81	9.46	10.18	
<b>Johnson, Joshua J. (USA) (1977)</b>	time	6.17	10.73	15.43	20.48	20.48	8 / 6			
reaction time	0.161	interval	4.56	4.70	5.05		# of strides	10.73	9.75	0.98
		velocity	8.10	10.96	10.64	9.90	9.77	9.32	10.26	
<b>Dzingai, Brian (ZIM) (1981)</b>	time	5.93	10.55	15.42	20.56	20.56	2 / 7			
reaction time	0.140	interval	4.62	4.87	5.14		# of strides	10.55	10.01	0.54
		velocity	8.43	10.82	10.27	9.73	9.73	9.48	9.99	
<b>Hession, Paul (IRL) (1983)</b>	time	5.99	10.61	15.47	20.58	20.58	1 / 8			
reaction time	0.145	interval	4.62	4.86	5.11		# of strides	10.61	9.97	0.64
		velocity	8.35	10.82	10.29	9.78	9.72	9.43	10.03	

**2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships***FINAL***Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data*

date		30-Aug-07	wind	-0.8 m/s							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Gay, Tyson (USA) (1982)</b>	time	5.74	10.13	14.75	19.76	19.76	4 / 1			<i>Ae (2008)</i>	
reaction time	0.143	interval	4.39	4.62	5.01	<b>CR</b>	# of strides	10.13	9.63	0.50	
		velocity	8.71	11.39	10.82	9.98	10.12	87.5	9.87	10.38	
<b>Bolt, Usain (JAM) (1986)</b>	time	5.69	10.15	14.85	19.91	19.91	5 / 2			<i>Ae (2008)</i>	
reaction time	0.159	interval	4.46	4.70	5.06		# of strides	10.15	9.76	0.39	
		velocity	8.79	11.21	10.64	9.88	10.05	81.0	9.85	10.25	
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.94	10.32	15.08	20.05	20.05	6 / 3			<i>Ae (2008)</i>	
reaction time	0.144	interval	4.38	4.76	4.97		# of strides	10.32	9.73	0.59	
		velocity	8.42	11.42	10.50	10.06	9.98	84.2	9.69	10.28	
<b>Martin, Rodney (USA) (1982)</b>	time	5.83	10.32	15.02	20.06	20.06	8 / 4			<i>Tsuchie (2010)</i>	
reaction time	0.186	interval	4.49	4.70	5.04	<b>PB</b>	# of strides	10.32	9.74	0.58	
		velocity	8.58	11.14	10.64	9.92	9.97	89.0	9.69	10.27	
<b>Martina, Churandy (AHO) (1984)</b>	time	5.84	10.37	15.18	20.28	20.28	3 / 5			<i>Tsuchie (2010)</i>	
reaction time	0.144	interval	4.53	4.81	5.10		# of strides	10.37	9.91	0.46	
		velocity	8.56	11.04	10.40	9.80	9.86	92.0	9.64	10.09	
<b>Anderson, Marvin (JAM) (1982)</b>	time	5.96	10.50	15.26	20.28	20.28	7 / 6			<i>Tsuchie (2010)</i>	
reaction time	0.171	interval	4.54	4.76	5.02		# of strides	10.50	9.78	0.72	
		velocity	8.39	11.01	10.50	9.96	9.86	89.7	9.52	10.22	
<b>Williams, Christopher (JAM) (1982)</b>	time	5.91	10.48	15.34	20.57	20.57	9 / 7			<i>Tsuchie (2010)</i>	
reaction time	0.154	interval	4.57	4.86	5.23		# of strides	10.48	10.09	0.39	
		velocity	8.46	10.94	10.29	9.56	9.72	93.0	9.54	9.91	
<b>Goúsis, Anastásios (GRE) (1975)</b>	time	5.97	10.58	15.48	20.75	20.75	2 / 8			<i>Tsuchie (2010)</i>	
reaction time	0.143	interval	4.61	4.90	5.27		# of strides	10.58	10.17	0.41	
		velocity	8.38	10.85	10.20	9.49	9.64	92.5	9.45	9.83	

**Semi-Final 2**

date 29-Aug-07 wind -0.4 m/s

*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships*

date		29-Aug-07	wind	-0.4 m/s							
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Gay, Tyson (USA) (1982)</b>	time	5.76	10.25	14.92	20.00	20.00	5 / 1				
reaction time	0.157	interval	4.49	4.67	5.08		# of strides	10.25	9.75	0.50	
		velocity	8.68	11.14	10.71	9.84	10.00	87.0	9.76	10.26	
<b>Anderson, Marvin (JAM) (1982)</b>	time	5.86	10.33	14.99	20.06	20.06	6 / 2				
reaction time	0.163	interval	4.47	4.66	5.07	<b>PB</b>	# of strides	10.33	9.73	0.60	
		velocity	8.53	11.19	10.73	9.86	9.97	89.2	9.68	10.28	
<b>Williams, Christopher (JAM) (1982)</b>	time	5.88	10.42	15.19	20.24	20.24	9 / 3				

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

reaction time	0.143	interval	4.54	4.77	5.05		# of strides	10.42	9.82	0.60
		velocity	8.50	11.01	10.48	9.90	9.88	91.5	9.60	10.18
<b>Goúsis, Anastásios (GRE) (1979)</b>	time	5.90	10.42	15.19	20.33	20.33	7 / 4			
reaction time	0.151	interval	4.52	4.77	5.14		# of strides	10.42	9.91	0.51
		velocity	8.47	11.06	10.48	9.73	9.84	91.2	9.60	10.09
<b>Christian, Brendan (ANT) (1983)</b>	time	5.79	10.35	15.15	20.36	20.36	3 / 5			
reaction time	0.139	interval	4.56	4.80	5.21		# of strides	10.35	10.01	0.34
		velocity	8.64	10.96	10.42	9.60	9.82	88.5	9.66	9.99
<b>Hession, Paul (IRL) (1983)</b>	time	5.87	10.43	15.26	20.50	20.50	4 / 6			
reaction time	0.154	interval	4.56	4.83	5.24		# of strides	10.43	10.07	0.36
		velocity	8.52	10.96	10.35	9.54	9.76	96.0	9.59	9.93
<b>Beysens, Kristof (BEL) (1983)</b>	time	5.93	10.48	15.34	20.53	20.53	8 / 7			
reaction time	0.152	interval	4.55	4.86	5.19		# of strides	10.48	10.05	0.43
		velocity	8.43	10.99	10.29	9.63	9.74	88.0	9.54	9.95
<b>Johnson, Patrick (AUS) (1972)</b>	time	5.86	10.47	15.41	20.73	20.73	2 / 8			
reaction time	0.151	interval	4.61	4.94	5.32		# of strides	10.47	10.26	0.21
		velocity	8.53	10.85	10.12	9.40	9.65	89.0	9.55	9.75

## Semi-Final 1

date 29-Aug-07 wind -0.4 m/s *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.78	10.27	14.99	20.03	20.03	6 / 1			
reaction time	0.169	interval	4.49	4.72	5.04		# of strides	10.27	9.76	0.51
		velocity	8.65	11.14	10.59	9.92	9.99	80.2	9.74	10.25
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.90	10.42	15.10	20.05	20.05	7 / 2			
reaction time	0.133	interval	4.52	4.68	4.95		# of strides	10.42	9.63	0.79
		velocity	8.47	11.06	10.68	10.10	9.98	84.0	9.60	10.38
<b>Martin, Rodney (USA) (1982)</b>	time	5.96	10.45	15.19	20.18	20.18	4 / 3			
reaction time	0.165	interval	4.49	4.74	4.99		# of strides	10.45	9.73	0.72
		velocity	8.39	11.14	10.55	10.02	9.91	88.7	9.57	10.28
<b>Martina, Churandy (AHO) (1984)</b>	time	5.90	10.40	15.17	20.20	20.20	3 / 4			
reaction time	0.140	interval	4.50	4.77	5.03	NR	# of strides	10.40	9.80	0.60
		velocity	8.47	11.11	10.48	9.94	9.90	91.0	9.62	10.20
<b>Obikwelu, Francis (POR) (1978)</b>	time	5.84	10.30	15.13	20.40	20.40	8 / 5			
reaction time	0.167	interval	4.46	4.83	5.27		# of strides	10.30	10.10	0.20
		velocity	8.56	11.21	10.35	9.49	9.80	83.2	9.71	9.90
<b>Dzingai, Brian (ZIM) (1981)</b>	time	5.91	10.45	15.25	20.45	20.45	5 / 6			
reaction time	0.125	interval	4.54	4.80	5.20		# of strides	10.45	10.00	0.45
		velocity	8.46	11.01	10.42	9.62	9.78	91.7	9.57	10.00
<b>Jędrusiński, Marcin (POL) (1981)</b>	time	5.83	10.38	15.26	20.54	20.54	9 / 7			
reaction time	0.151	interval	4.55	4.88	5.28		# of strides	10.38	10.16	0.22
		velocity	8.58	10.99	10.25	9.47	9.74	86.0	9.63	9.84
<b>Barnett, Brian (CAN) (1987)</b>	time	6.05	10.70	15.55	20.68	20.68	2 / 8			
reaction time	0.142	interval	4.65	4.85	5.13		# of strides	10.70	9.98	0.72
		velocity	8.26	10.75	10.31	9.75	9.67	88.0	9.35	10.02

## Quarter-Final 4

date 28-Aug-07 wind 0.6 m/s *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hession, Paul (IRL) (1983)</b>	time	5.91	10.47	15.28	20.50	20.50	5 / 1			
reaction time	0.154	interval	4.56	4.81	5.22		# of strides	10.47	10.03	0.44
		velocity	8.46	10.96	10.40	9.58	9.76	96.0	9.55	9.97
<b>Goúsis, Anastásios (GRE) (1979)</b>	time	5.96	10.47	15.25	20.51	20.51	4 / 2			
reaction time	0.139	interval	4.51	4.78	5.26		# of strides	10.47	10.04	0.43
		velocity	8.39	11.09	10.46	9.51	9.75	92.0	9.55	9.96

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

<b>Beyens, Kristof (BEL) (1983)</b>	time	5.96	10.50	15.38	20.52	20.52	7 / 3			
reaction time	0.149	interval	4.54	4.88	5.14		# of strides	10.50	10.02	0.48
		velocity	8.39	11.01	10.25	9.73	9.75	88.0	9.52	9.98
<b>Johnson, Patrick (AUS) (1972)</b>	time	5.88	10.38	15.30	20.62	20.62	6 / 4			
reaction time	0.148	interval	4.50	4.92	5.32		# of strides	10.38	10.24	0.14
		velocity	8.50	11.11	10.16	9.40	9.70	88.5	9.63	9.77
<b>Abrantes, Arnaldo (POR) (1986)</b>	time	5.83	10.47	15.45	20.82	20.82	8 / 5			
reaction time	0.144	interval	4.64	4.98	5.37		# of strides	10.47	10.35	0.12
		velocity	8.58	10.78	10.04	9.31	9.61	88.0	9.55	9.66
<b>Teplykh, Ivan (RUS) (1985)</b>	time	6.00	10.73	15.68	20.98	20.98	3 / 6			
reaction time	0.164	interval	4.73	4.95	5.30		# of strides	10.73	10.25	0.48
		velocity	8.33	10.57	10.10	9.43	9.53	83.7	9.32	9.76
<b>Schneeberger, Marc (SUI) (1981)</b>	time	6.03	10.72	15.68	21.09	21.09	2 / 7			
reaction time	0.140	interval	4.69	4.96	5.41		# of strides	10.72	10.37	0.35
		velocity	8.29	10.66	10.08	9.24	9.48	88.0	9.33	9.64
<b>Nazareno, Franklin (ECU) (1987)</b>	time	6.08	10.92	16.04	21.50	21.50	9 / 8			
reaction time	0.159	interval	4.84	5.12	5.46		# of strides	10.92	10.58	0.34
		velocity	8.22	10.33	9.77	9.16	9.30		9.16	9.45

## Quarter-Final 3

date 28-Aug-07

wind 0.9 m/s

*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gay, Tyson (USA) (1982)</b>	time	5.77	10.23	14.91	20.08	20.08	7 / 1			
reaction time	0.154	interval	4.46	4.68	5.17		# of strides	10.23	9.85	0.38
		velocity	8.67	11.21	10.68	9.67	9.96	87.2	9.78	10.15
<b>Anderson, Marvin (JAM) (1982)</b>	time	5.84	10.35	15.04	20.13	20.13	4 / 2			
reaction time	0.152	interval	4.51	4.69	5.09	<b>PB</b>	# of strides	10.35	9.78	0.57
		velocity	8.56	11.09	10.66	9.82	9.94	89.5	9.66	10.22
<b>Obikwelu, Francis (POR) (1978)</b>	time	5.88	10.35	15.15	20.38	20.38	3 / 3			
reaction time	0.164	interval	4.47	4.80	5.23		# of strides	10.35	10.03	0.32
		velocity	8.50	11.19	10.42	9.56	9.81	85.2	9.66	9.97
<b>Jędrusiński, Marcin (POL) (1981)</b>	time	5.89	10.48	15.34	20.53	20.53	2 / 4			
reaction time	0.163	interval	4.59	4.86	5.19		# of strides	10.48	10.05	0.43
		velocity	8.49	10.89	10.29	9.63	9.74	86.2	9.54	9.95
<b>Viana, Sandro (BRA) (1977)</b>	time	5.89	10.43	15.35	20.68	20.68	6 / 5			
reaction time	0.169	interval	4.54	4.92	5.33		# of strides	10.43	10.25	0.18
		velocity	8.49	11.01	10.16	9.38	9.67	86.2	9.59	9.76
<b>Suetsugu, Shingo (JPN) (1980)</b>	time	5.86	10.45	15.37	20.70	20.70	5 / 6			
reaction time	0.157	interval	4.59	4.92	5.33		# of strides	10.45	10.25	0.20
		velocity	8.53	10.89	10.16	9.38	9.66	93.0	9.57	9.76
<b>Cribari, Marco (SUI) (1985)</b>	time	6.08	10.73	15.61	20.86	20.86	8 / 7			
reaction time	0.168	interval	4.65	4.88	5.25		# of strides	10.73	10.13	0.60
		velocity	8.22	10.75	10.25	9.52	9.59	89.2	9.32	9.87
<b>Hoogmoed, Guus (NED) (1981)</b>	time	5.91	10.63	15.64	21.32	21.32	9 / 8			
reaction time	0.177	interval	4.72	5.01	5.68		# of strides	10.63	10.69	-0.06
		velocity	8.46	10.59	9.98	8.80	9.38	91.2	9.41	9.35

## Quarter-Final 2

date 28-Aug-07

wind -0.3 m/s

*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bolt, Usain (JAM) (1986)</b>	time	5.75	10.20	14.93	20.13	20.13	7 / 1			
reaction time	0.175	interval	4.45	4.73	5.20		# of strides	10.20	9.93	0.27
		velocity	8.70	11.24	10.57	9.62	9.94	80.0	9.80	10.07
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.91	10.47	15.15	20.26	20.26	5 / 2			

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

reaction time	0.120	interval	4.56	4.68	5.11		# of strides	10.47	9.79	0.68
		velocity	8.46	10.96	10.68	9.78	9.87	83.0	9.55	10.21
<b>Martina, Churandy (AHO) (1984)</b>	time	5.91	10.43	15.22	20.39	20.39	6 / 3			
reaction time	0.140	interval	4.52	4.79	5.17		# of strides	10.43	9.96	0.47
		velocity	8.46	11.06	10.44	9.67	9.81	90.2	9.59	10.04
<b>Barnett, Brian (CAN) (1987)</b>	time	5.95	10.52	15.31	20.41	20.41	4 / 4			
reaction time	0.173	interval	4.57	4.79	5.10		# of strides	10.52	9.89	0.63
		velocity	8.40	10.94	10.44	9.80	9.80	87.2	9.51	10.11
<b>Hongisto, Visa (FIN) (1987)</b>	time	5.90	10.55	15.49	20.78	20.78	3 / 5			
reaction time	0.125	interval	4.65	4.94	5.29		# of strides	10.55	10.23	0.32
		velocity	8.47	10.75	10.12	9.45	9.62	88.0	9.48	9.78
<b>Kamiyama, Tomoya (JPN) (1988)</b>	time	6.08	10.70	15.61	20.89	20.89	8 / 6			
reaction time	0.158	interval	4.62	4.91	5.28		# of strides	10.70	10.19	0.51
		velocity	8.22	10.82	10.18	9.47	9.57	92.5	9.35	9.81
<b>de Morães, Basílio (BRA) (1982)</b>	time	5.94	10.52	15.54	21.07	21.08	9 / 7			
reaction time	0.145	interval	4.58	5.02	5.53		# of strides	10.52	10.55	-0.03
		velocity	8.42	10.92	9.96	9.04	9.49	92.5	9.51	9.48
<b>Mitchell, Jacobi (BAH) (1986)</b>	time	6.06	10.73	15.72	21.17	21.17	2 / 8			
reaction time	0.146	interval	4.67	4.99	5.45		# of strides	10.73	10.44	0.29
		velocity	8.25	10.71	10.02	9.17	9.45	86.0	9.32	9.58

**Quarter-Final 1**date 28-Aug-07 wind 0.3 m/s *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Martin, Rodney (USA) (1982)</b>	time	5.89	10.40	15.15	20.25	20.25	6 / 1			
reaction time	0.163	interval	4.51	4.75	5.10		# of strides	10.40	9.85	0.55
		velocity	8.49	11.09	10.53	9.80	9.88	89.2	9.62	10.15
<b>Dzingai, Brian (ZIM) (1981)</b>	time	5.88	10.38	15.15	20.28	20.28	9 / 2			
reaction time	0.140	interval	4.50	4.77	5.13		# of strides	10.38	9.90	0.48
		velocity	8.50	11.11	10.48	9.75	9.86	90.2	9.63	10.10
<b>Christian, Brendan (ANT) (1983)</b>	time	5.81	10.35	15.17	20.36	20.36	5 / 3			
reaction time	0.130	interval	4.54	4.82	5.19		# of strides	10.35	10.01	0.34
		velocity	8.61	11.01	10.37	9.63	9.82	88.2	9.66	9.99
<b>Williams, Christopher (JAM) (1981)</b>	time	5.91	10.48	15.30	20.40	20.40	7 / 4			
reaction time	0.143	interval	4.57	4.82	5.10		# of strides	10.48	9.92	0.56
		velocity	8.46	10.94	10.37	9.80	9.80	91.2	9.54	10.08
<b>Osovnikar, Matic (SLO) (1980)</b>	time	5.86	10.48	15.37	20.65	20.65	8 / 5			
reaction time	0.174	interval	4.62	4.89	5.28		# of strides	10.48	10.17	0.31
		velocity	8.53	10.82	10.22	9.47	9.69	90.7	9.54	9.83
<b>Seoud, Amr Ibrahim Mostafa (EGY) (1983)</b>	time	5.95	10.63	15.54	20.72	20.72	2 / 6			
reaction time	0.139	interval	4.68	4.91	5.18		# of strides	10.63	10.09	0.54
		velocity	8.40	10.68	10.18	9.65	9.65	91.0	9.41	9.91
<b>Takahira, Shinji (JPN) (1984)</b>	time	5.93	10.53	15.42	20.77	20.77	4 / 7			
reaction time	0.187	interval	4.60	4.89	5.35		# of strides	10.53	10.24	0.29
		velocity	8.43	10.87	10.22	9.35	9.63	84.2	9.50	9.77
<b>Dolphin, James (NZL) (1983)</b>	time	5.95	10.55	15.48	20.80	20.80	3 / 8			
reaction time	0.147	interval	4.60	4.93	5.32		# of strides	10.55	10.25	0.30
		velocity	8.40	10.87	10.14	9.40	9.62	92.2	9.48	9.76

**2007 Japanese National High School Championships (Saga, JPN)****FINAL**date 04-Aug-07 wind -4.3 m/s *Hitorara (2007) - 60st high school championships: JAF scientific committee- biomechanics*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kobayashi, Yuichi (JPN) (1989)</b>	time	6.04	10.98	16.31	21.98	21.98	3 / 1			
reaction time		interval	4.94	5.33	5.67		# of strides	10.98	11.00	-0.02

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

	velocity	8.28	10.12	9.38	8.82	9.10		9.11	9.09	
<b>Tajima, Kazuya (JPN) (1990)</b>	time	6.10	11.04	16.42	22.08	22.08	2 / 2			
reaction time	interval		4.94	5.38	5.66		# of strides	11.04	11.04	0.00
	velocity	8.20	10.12	9.29	8.83	9.06		9.06	9.06	
<b>Kaji, Masanori (JPN) (1991)</b>	time	6.00	11.02	16.44	22.11	22.11	4 / 3			
reaction time	interval		5.02	5.42	5.67		# of strides	11.02	11.09	-0.07
	velocity	8.33	9.96	9.23	8.82	9.05		9.07	9.02	

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

	date	24-Jul-07	wind	0.3 m/s	(2007) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wissman, Johan (SWE) (1982)</b>	time			10.67	15.38	20.39	20.39	4 / 1			
reaction time	interval				4.71	5.01		# of strides	10.67	9.72	0.95
	velocity			9.37	10.62	9.98	9.81		9.37	10.29	
<b>Johnson, Chris (USA) (1982)</b>	time			10.85	15.81	21.11	21.11	3 / 2			
reaction time	interval				4.96	5.30		# of strides	10.85	10.26	0.59
	velocity			9.22	10.08	9.43	9.47		9.22	9.75	
<b>Masztak, Kamil (POL) (1984)</b>	time			10.79	15.78	21.17	21.17	6 / 3			
reaction time	interval				4.99	5.39		# of strides	10.79	10.38	0.41
	velocity			9.27	10.02	9.28	9.45		9.27	9.63	
<b>Engberg, Johan (SWE) (1981)</b>	time			10.90	16.07	21.55	21.55	5 / 4			
reaction time	interval				5.17	5.48		# of strides	10.90	10.65	0.25
	velocity			9.17	9.67	9.12	9.28		9.17	9.39	
<b>Wellington, Andre (JAM) (1986)</b>	time			11.04	16.16	21.70	21.70	2 / 5			
reaction time	interval				5.12	5.54		# of strides	11.04	10.66	0.38
	velocity			9.06	9.77	9.03	9.22		9.06	9.38	

**B FINAL**

	date	24-Jul-07	wind	0.9 m/s	(2007) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mokdasi, Andreas (SWE) (1984)</b>	time			11.10	16.13	21.51	21.51	5 / 1			
reaction time	interval				5.03	5.38		# of strides	11.10	10.41	0.69
	velocity			9.01	9.94	9.29	9.30		9.01	9.61	
<b>Sandin, Christofer (SWE) (1979)</b>	time			11.14	16.23	21.74	21.74	3 / 2			
reaction time	interval				5.09	5.51		# of strides	11.14	10.60	0.54
	velocity			8.98	9.82	9.07	9.20		8.98	9.43	
<b>Thomas, Chris (USA) (1981)</b>	time			11.24	16.32	22.17	22.17	4 / 3			
reaction time	interval				5.08	5.85		# of strides	11.24	10.93	0.31
	velocity			8.90	9.84	8.55	9.02		8.90	9.15	

**C FINAL**

	date	24-Jul-07	wind	0.6 m/s	(2007) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Wahn, Erik (SWE) (1980)</b>	time			11.20	16.38	21.91	21.91	4 / 1			
reaction time	interval				5.18	5.53		# of strides	11.20	10.71	0.49
	velocity			8.93	9.65	9.04	9.13		8.93	9.34	
<b>Sunneborn, Mattias (SWE) (197)</b>	time			11.19	16.39	21.96	21.96	3 / 2			
reaction time	interval				5.20	5.57		# of strides	11.19	10.77	0.42
	velocity			8.94	9.62	8.98	9.11		8.94	9.29	
<b>Sebabi, Nasser (SWE) (1982)</b>	time			11.18	16.43	22.27	22.27	5 / 3			
reaction time	interval				5.25	5.84		# of strides	11.18	11.09	0.09
	velocity			8.94	9.52	8.56	8.98		8.94	9.02	
<b>Karlsson, Erik (SWE) (1987)</b>	time			11.22	16.53	22.35	22.35	2 / 4			
reaction time	interval				5.31	5.82		# of strides	11.22	11.13	0.09
	velocity			8.91	9.42	8.59	8.95		8.91	8.98	



<b>Sulusi-Sjö, Brian (SWE) (1977)</b>	time	11.36	16.65	22.58	22.58	6 / 5			
reaction time	interval		5.29	5.93		# of strides	11.36	11.22	0.14
	velocity	8.80	9.45	8.43	8.86		8.80	8.91	

**D FINAL**      date 24-Jul-07      wind 0.5 m/s      (2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Åberg, Oskar (SWE) (1989)</b>	time	11.28	16.43	21.86	21.86	21.86	2 / 1			
reaction time	interval		5.15	5.43	<b>PB</b>		# of strides	11.28	10.58	0.70
	velocity	8.87	9.71	9.21	9.15			8.87	9.45	
<b>Norgren, Daniel (SWE)</b>	time	11.46	16.67	22.35	22.35	22.35	3 / 2			
reaction time	interval		5.21	5.68			# of strides	11.46	10.89	0.57
	velocity	8.73	9.60	8.80	8.95			8.73	9.18	
<b>Dofournier, Mathias (SWE) (1988)</b>	time	11.75	16.95	22.43	22.43	22.43	4 / 3			
reaction time	interval		5.20	5.48			# of strides	11.75	10.68	1.07
	velocity	8.51	9.62	9.12	8.92			8.51	9.36	
<b>Angell-Petersen, Børge (NOR)</b>	time	11.30	16.61	22.46	22.46	22.46	5 / 4			
reaction time	interval		5.31	5.85			# of strides	11.30	11.16	0.14
	velocity	8.85	9.42	8.55	8.90			8.85	8.96	
<b>Andersson, Adam (SWE) (1991)</b>	time	11.57	16.86	22.76	22.76	22.76	6 / 5			
reaction time	interval		5.29	5.90			# of strides	11.57	11.19	0.38
	velocity	8.64	9.45	8.47	8.79			8.64	8.94	

**E FINAL**      date 24-Jul-07      wind 0.8 m/s      (2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Skoglund, Björn (SWE) (1991)</b>	time	11.49	16.83	22.82	22.82	22.82	2 / 1			
reaction time	interval		5.34	5.99	<b>PB</b>		# of strides	11.49	11.33	0.16
	velocity	8.70	9.36	8.35	8.76			8.70	8.83	
<b>Adolfsson, Henrik (SWE) (1988)</b>	time	11.69	17.07	22.87	22.87	22.87	5 / 2			
reaction time	interval		5.38	5.80			# of strides	11.69	11.18	0.51
	velocity	8.55	9.29	8.62	8.75			8.55	8.94	
<b>Dahlöf, Carl (SWE) (1988)</b>	time	11.73	17.12	23.18	23.18	23.18	3 / 3			
reaction time	interval		5.39	6.06			# of strides	11.73	11.45	0.28
	velocity	8.53	9.28	8.25	8.63			8.53	8.73	
<b>Söderqvist, Per-Erik (SWE) (1988)</b>	time	11.82	17.34	23.25	23.25	23.25	6 / 4			
reaction time	interval		5.52	5.91			# of strides	11.82	11.43	0.39
	velocity	8.46	9.06	8.46	8.60			8.46	8.75	

**F FINAL**      date 24-Jul-07      wind 0.5 m/s      (2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Waltersson, Jonathan (SWE) (1988)</b>	time	11.66	16.99	22.70	22.70	22.70	4 / 1			
reaction time	interval		5.33	5.71			# of strides	11.66	11.04	0.62
	velocity	8.58	9.38	8.76	8.81			8.58	9.06	
<b>Johnsson, Per (SWE) (1988)</b>	time	11.72	17.27	23.19	23.19	23.19	2 / 2			
reaction time	interval		5.55	5.92			# of strides	11.72	11.47	0.25
	velocity	8.53	9.01	8.45	8.62			8.53	8.72	
<b>Hilmersson, Jonas (SWE) (1988)</b>	time	12.08	17.50	23.38	23.38	23.38	3 / 3			
reaction time	interval		5.42	5.88			# of strides	12.08	11.30	0.78
	velocity	8.28	9.23	8.50	8.55			8.28	8.85	
<b>Svensson, Charles (SWE) (1975)</b>	time	12.22	17.82	23.95	23.95	23.95	6 / 4			
reaction time	interval		5.60	6.13			# of strides	12.22	11.73	0.49
	velocity	8.18	8.93	8.16	8.35			8.18	8.53	

**G FINAL**      date 24-Jul-07      wind 1.0 m/s      (2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kristoffersson, Fredrik (SWE) (1988)</b>	time	12.09	17.64	23.70	23.70	23.70	6 / 1			

reaction time	interval	5.55	6.06		# of strides	12.09	11.61	0.48
	velocity	8.27	9.01	8.25	8.44	8.27	8.61	
<b>Idenfors, Daniel (SWE) (1988)</b>	time	12.11	17.71	23.73	23.73	4 / 2		
reaction time	interval		5.60	6.02		# of strides	12.11	11.62
	velocity	8.26	8.93	8.31	8.43		8.26	8.61
<b>Groth, Joel (SWE) (1991)</b>	time	12.34	18.05	24.00	24.00	3 / 3		
reaction time	interval		5.71	5.95		# of strides	12.34	11.66
	velocity	8.10	8.76	8.40	8.33		8.10	8.58
<b>Larsson, Åke (SWE) (1957)</b>	time	12.78	18.67	24.89	24.89	5 / 4		
reaction time	interval		5.89	6.22		# of strides	12.78	12.11
	velocity	7.82	8.49	8.04	8.04		7.82	8.26

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

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

Vazel (2011) - speed reserve in the 400m

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gay, Tyson (USA) (1982)</b>		no information available			<b>PB</b>	19.62	6 / 1			
<b>Spearmon, Wallace (USA) (1984)</b>		no information available				19.89	5 / 2			
<b>Martin, Rodney (USA) (1982)</b>		no information available				20.18	4 / 3			
<b>Wariner, Jeremy (USA) (1984)</b>	time		10.53		20.35	20.35	3 / 4			
reaction time	interval				9.82		# of strides	10.53	9.82	0.71
	velocity		9.50		10.18	9.83	86.5	9.50	10.18	
<b>Williams, Rubin (USA) (1983)</b>		no information available			<b>PB</b>	20.40	7 / 5			
<b>Vaden, Jordan (USA) (1978)</b>		no information available				20.42	2 / 6			
<b>Crawford, Shawn (USA) (1978)</b>		no information available				20.51	1 / 7			

**2007 European Cup (Munich, GER)****FINAL**

date 24-Jun-07 wind 1.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Devonish, Marlon (GBR) (1976)</b>	time		10.41	15.19	20.33	20.33	/ 1			
reaction time	0.141 interval			4.78	5.14		# of strides	10.41	9.92	0.49
	velocity		9.61	10.46	9.73	9.84		9.61	10.08	
<b>Alerte, David (FRA) (1984)</b>	time		10.55	15.29	20.34	20.34	/ 2			
reaction time	0.166 interval			4.74	5.05	<b>PB</b>	# of strides	10.55	9.79	0.76
	velocity		9.48	10.55	9.90	9.83		9.48	10.21	
<b>Goúsis, Anastásios (GRE) (1978)</b>	time		10.52	15.26	20.43	20.43	/ 3			
reaction time	0.139 interval			4.74	5.17	<b>PB</b>	# of strides	10.52	9.91	0.61
	velocity		9.51	10.55	9.67	9.79		9.51	10.09	
<b>Jędrusiński, Marcin (POL) (1981)</b>	time		10.54	15.38	20.53	20.53	/ 4			
reaction time	0.165 interval			4.84	5.15		# of strides	10.54	9.99	0.55
	velocity		9.49	10.33	9.71	9.74		9.49	10.01	
<b>Beyens, Kristof (BEL) (1983)</b>	time		10.60	15.41	20.53	20.53	/ 5			
reaction time	0.225 interval			4.81	5.12		# of strides	10.60	9.93	0.67
	velocity		9.43	10.40	9.77	9.74		9.43	10.07	
<b>Kosenkow, Alexander (GER) (1981)</b>	time		10.47	15.28	20.63	20.63	/ 6			
reaction time	0.190 interval			4.81	5.35		# of strides	10.47	10.16	0.31
	velocity		9.55	10.40	9.35	9.69		9.55	9.84	
<b>Smirnov, Roman (RUS) (1984)</b>	time		10.67	15.55	20.75	20.75	/ 7			
reaction time	0.138 interval			4.88	5.20		# of strides	10.67	10.08	0.59
	velocity		9.37	10.25	9.62	9.64		9.37	9.92	
<b>Bodrov, Igor (UKR) (1987)</b>	time		10.59	15.53	20.91	20.91	/ 8			
reaction time	0.159 interval			4.94	5.38		# of strides	10.59	10.32	0.27
	velocity		9.44	10.12	9.29	9.56		9.44	9.69	

**2006 IAAF World Athletic Final (Stuttgart, GER) (TV analysis)****FINAL**

date 10-Sep-06 wind -0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Gay, Tyson (USA) (1986)</b>	time	5.68	10.05	14.69	19.68	19.68	6 / 1				
	reaction time	0.150	interval	4.37	4.64	4.99	<b>CR / PB</b>	# of strides	10.05	9.63	0.42
	velocity	8.80	11.44	10.78	10.02	10.16		9.95	10.38		
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.83	10.33	14.94	19.88	19.88	5 / 2				
	reaction time	0.133	interval	4.50	4.61	4.94	<b>PB</b>	# of strides	10.33	9.55	0.78
	velocity	8.58	11.11	10.85	10.12	10.06		9.68	10.47		
<b>Bolt, Usain (JAM) (1986)</b>	0.158	no information available				20.10	3 / 3				
<b>Obikwelu, Francis (POR) (1978)</b>	0.167	no information available				20.26	4 / 4				
<b>Williams, Christopher (JAM) (1981)</b>	0.148	no information available				20.27	2 / 5				
<b>Saidy Ndure, Jaysuma (GAM) (1981)</b>	0.139	no information available				20.47	7 / 6				
<b>Martin, Rodney (USA) (1982)</b>	0.153	no information available				20.52	1 / 7				
<b>Batman, Daniel (AUS) (1981)</b>	0.155	no information available				21.03	8 / 8				

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

date 25-Jun-06 wind 0.3 m/s

USATF Women's Sprint Development (2006)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.97	10.54	15.18	19.90	19.90	7 / 1				
	reaction time		interval	4.57	4.72		# of strides	10.54	9.36	1.18	
	velocity	8.38	10.94	10.78	10.59	10.05		9.49	10.68		
<b>Vaden, Jordan (USA) (1978)</b>	time	5.82	10.39	15.09	19.98	19.98	6 / 2				
	reaction time		interval	4.57	4.70	4.89	<b>PB</b>	# of strides	10.39	9.59	0.80
	velocity	8.59	10.94	10.64	10.22	10.01		9.62	10.43		
<b>Martin, Rodney (USA) (1982)</b>	time	5.87	10.51	15.21	20.14	20.14	4 / 3				
	reaction time		interval	4.64	4.70	4.93	<b>PB</b>	# of strides	10.51	9.63	0.88
	velocity	8.52	10.78	10.64	10.14	9.93		9.51	10.38		
<b>Willie, Kelly (USA) (1986)</b>	time	5.87	10.52	15.28	20.24	20.24	5 / 4				
	reaction time		interval	4.65	4.76	4.96	<b>PB</b>	# of strides	10.52	9.72	0.80
	velocity	8.52	10.75	10.50	10.08	9.88		9.51	10.29		
<b>Wariner, Jeremy (USA) (1984)</b>	time	5.88	10.46	15.26	20.24	20.24	3 / 5				
	reaction time		interval	4.58	4.80	4.98	# of strides	10.46	9.78	0.68	
	velocity	8.50	10.92	10.42	10.04	9.88		9.56	10.22		
<b>Berrian, Chris (USA) (1983)</b>	time	5.90	10.66	15.43	20.40	20.40	8 / 6				
	reaction time		interval	4.76	4.77	4.97	# of strides	10.66	9.74	0.92	
	velocity	8.47	10.50	10.48	10.06	9.80		9.38	10.27		
<b>Dixon, Leroy (USA) (1983)</b>	time	5.87	10.47	15.33	20.44	20.44	2 / 7				
	reaction time		interval	4.60	4.86	5.11	<b>PB</b>	# of strides	10.47	9.97	0.50
	velocity	8.52	10.87	10.29	9.78	9.78		9.55	10.03		
<b>Williams, Rubin (USA) (1983)</b>	time	5.97	10.72	15.56	20.57	20.57	1 / 8				
	reaction time		interval	4.75	4.84	5.01	# of strides	10.72	9.85	0.87	
	velocity	8.38	10.53	10.33	9.98	9.72		9.33	10.15		

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

date 11-Aug-05 wind -0.5 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gatlin, Justin (USA) (1982)</b>	0.172	no information available				20.04	6 / 1		# of strides	81.0
<b>Spearmon, Wallace (USA) (1984)</b>	0.161	no information available				20.20	3 / 2		# of strides	86.7
<b>Capel, John (USA) (1978)</b>	0.124	no information available				20.31	4 / 3		# of strides	91.7
<b>Gay, Tyson (USA) (1982)</b>	0.161	no information available				20.34	5 / 4		# of strides	90.5
<b>Buckland, Stéphan (MRI) (1977)</b>	0.173	no information available				20.41	7 / 5		# of strides	93.7
<b>Johnson, Patrick (AUS) (1972)</b>	0.156	no information available				20.58	8 / 6		# of strides	88.7
<b>Unger, Tobias (GER) (1979)</b>	0.138	no information available				20.81	2 / 7		# of strides	92.0
<b>Bolt, Usain (JAM) (1986)</b>	0.174	no information available				26.27	1 / 8		# of strides	

**2005 German National Championships (Wattenscheid, GER)****FINAL**

date 03-Jul-05 wind 0.7 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Unger, Tobias (GER) (1979)</b>	time	5.79	10.41	15.17	20.20	20.20	1 / 1				
	reaction time	0.164	interval	4.62	4.76	5.03	<b>NR</b>	# of strides	10.41	9.79	0.62
	velocity	8.64	10.82	10.50	9.94	9.90		9.61	10.21		

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

date 26-Jun-05 wind -0.9 m/s

USATF Women's Sprint Development (2005)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Gatlin, Justin (USA) (1982)</b>	time	5.84	10.34	15.08	20.04	20.04	6 / 1			
	reaction time		interval	4.50	4.74	4.96	# of strides	10.34	9.70	0.64
	velocity	8.56	11.11	10.55	10.08	9.98	81.2	9.67	10.31	
<b>Gay, Tyson (USA) (1982)</b>	time	5.81	10.27	15.11	20.06	20.06	4 / 2			
	reaction time		interval	4.46	4.84	4.95	# of strides	10.27	9.79	0.48
	velocity	8.61	11.21	10.33	10.10	9.97	88.7	9.74	10.21	
<b>Crawford, Shawn (USA) (1978)</b>	time	5.89	10.22	14.98	20.12	20.12	9 / 3			
	reaction time		interval	4.33	4.76	5.14	# of strides	10.22	9.90	0.32
	velocity	8.49	11.55	10.50	9.73	9.94	91.7	9.78	10.10	
<b>Spearmon, Wallace (USA) (1984)</b>	time	5.94	10.37	15.20	20.16	20.16	5 / 4			
	reaction time		interval	4.43	4.83	4.96	# of strides	10.37	9.79	0.58
	velocity	8.42	11.29	10.35	10.08	9.92	89.2	9.64	10.21	
<b>Martin, Rodney (USA) (1982)</b>	time	5.96	10.59	15.40	20.46	20.46	7 / 5			
	reaction time		interval	4.63	4.81	5.06	# of strides	10.59	9.87	0.72
	velocity	8.39	10.80	10.40	9.88	9.78	91.2	9.44	10.13	
<b>Bookman, Leo (USA) (1982)</b>	time	5.77	10.36	15.25	20.49	20.49	8 / 6			
	reaction time		interval	4.59	4.89	5.24	# of strides	10.36	10.13	0.23
	velocity	8.67	10.89	10.22	9.54	9.76	87.0	9.65	9.87	
<b>Miller, Coby (USA) (1976)</b>	time	6.01	10.51	15.37	20.64	20.64	3 / 7			
	reaction time		interval	4.50	4.86	5.27	# of strides	10.51	10.13	0.38
	velocity	8.32	11.11	10.29	9.49	9.69	91.5	9.51	9.87	
<b>Johnson, Joshua J. (USA) (1971)</b>	time	5.99	10.58	15.47	20.70	20.70	2 / 8			
	reaction time		interval	4.59	4.89	5.23	# of strides	10.58	10.12	0.46
	velocity	8.35	10.89	10.22	9.56	9.66	91.0	9.45	9.88	
<b>Carter, Xavier (USA) (1985)</b>	time	6.02	10.69	15.70	20.71	20.71	1 / 9			
	reaction time		interval	4.67	5.01	5.01	# of strides	10.69	10.02	0.67
	velocity	8.31	10.71	9.98	9.98	9.66	92.0	9.35	9.98	

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

date 26-Aug-04

wind 1.2 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time		10.2		19.8	19.79	4 / 1			
	reaction time	0.226	interval		9.60	<b>PB</b>	# of strides	10.20	9.60	0.60
	velocity		9.80		10.42	10.11		9.80	10.42	
<b>Williams, Bernard (USA) (1978)</b>	time		10.3		20.0	20.01	3 / 2			
	reaction time	0.173	interval		9.70	<b>=PB</b>	# of strides	10.30	9.70	0.60
	velocity		9.71		10.31	10.00		9.71	10.31	
<b>Gatlin, Justin (USA) (1982)</b>	time		10.3		20.0	20.03	5 / 3			
	reaction time	0.195	interval		9.70		# of strides	10.30	9.70	0.60
	velocity		9.71		10.31	9.99		9.71	10.31	
<b>Fredericks, Frank (NAM) (1967)</b>	time		10.4		20.1	20.14	8 / 4			
	reaction time	0.248	interval		9.70		# of strides	10.40	9.70	0.70
	velocity		9.62		10.31	9.93		9.62	10.31	

<b>Obikwelu, Francis (POR) (1978)</b>	time	10.3	20.1	20.14	6 / 5				
	reaction time	0.183	interval	9.80	# of strides	10.30	9.80	0.50	
			velocity	9.71	10.20	9.93	9.71	10.20	
<b>Buckland, Stéphan (MRI) (1977)</b>	time	10.5	20.2	20.24	7 / 6				
	reaction time	0.294	interval	9.70	# of strides	10.50	9.70	0.80	
			velocity	9.52	10.31	9.88	9.52	10.31	
<b>Unger, Tobias (GER) (1979)</b>	time	10.5	20.6	20.64	1 / 7				
	reaction time	0.153	interval	10.10	# of strides	10.50	10.10	0.40	
			velocity	9.52	9.90	9.69	9.52	9.90	

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

date 18-Jul-04 wind -0.7 m/s USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time	5.72	10.25	14.87	19.99	19.99	5 / 1			
	reaction time		interval	4.53	5.12		# of strides	10.25	9.74	0.51
			velocity	8.74	11.04	10.82	9.77	10.01	9.76	10.27
<b>Gatlin, Justin (USA) (1982)</b>	time	5.79	10.32	14.96	20.01	20.01	7 / 2			
	reaction time		interval	4.53	5.05	<b>PB</b>	# of strides	10.32	9.69	0.63
			velocity	8.64	11.04	10.78	9.90	10.00	9.69	10.32
<b>Williams, Bernard (USA) (1978)</b>	time	5.76	10.30	15.03	20.30	20.30	6 / 3			
	reaction time		interval	4.54	5.27		# of strides	10.30	10.00	0.30
			velocity	8.68	11.01	10.57	9.49	9.85	9.71	10.00
<b>Patton, Darvis (USA) (1977)</b>	time	5.89	10.51	15.22	20.32	20.32	4 / 4			
	reaction time		interval	4.62	5.10		# of strides	10.51	9.81	0.70
			velocity	8.49	10.82	10.62	9.80	9.84	9.51	10.19
<b>Johnson, Joshua J. (USA) (1977)</b>	time	5.94	10.59	15.34	20.58	20.58	3 / 5			
	reaction time		interval	4.65	5.24		# of strides	10.59	9.99	0.60
			velocity	8.42	10.75	10.53	9.54	9.72	9.44	10.01
<b>Capel, John (USA) (1978)</b>	time	5.84	10.54	15.43	20.72	20.72	1 / 6			
	reaction time		interval	4.70	5.29		# of strides	10.54	10.18	0.36
			velocity	8.56	10.64	10.22	9.45	9.65	9.49	9.82
<b>Grimes, Mickey (USA) (1976)</b>	time	5.96	10.73	15.53	20.98	20.98	2 / <del>7</del>			
	reaction time		interval	4.77	5.45	<b>DV</b>	# of strides	10.73	10.25	0.48
			velocity	8.39	10.48	10.42	9.17	9.53	9.32	9.76
<b>Gay, Tyson (USA) (1982)</b>	time	5.84				dnf	8 / --			
	reaction time		interval				# of strides			
			velocity	8.56						

**Semi-Final 2**

date 17-Jul-04 wind 0.1 m/s USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Crawford, Shawn (USA) (1978)</b>	time	5.87	10.41	15.03	20.00	20.00	3 / 1			
	reaction time		interval	4.54	4.97		# of strides	10.41	9.59	0.82
			velocity	8.52	11.01	10.82	10.06	10.00	9.61	10.43
<b>Patton, Darvis (USA) (1977)</b>	time	5.86	10.43	15.12	20.17	20.17	4 / 2			
	reaction time		interval	4.57	5.05		# of strides	10.43	9.74	0.69
			velocity	8.53	10.94	10.66	9.90	9.92	9.59	10.27
<b>Gay, Tyson (USA) (1982)</b>	time	5.89	10.48	15.14	20.17	20.17	5 / 3			
	reaction time		interval	4.59	5.03		# of strides	10.48	9.69	0.79
			velocity	8.49	10.89	10.73	9.94	9.92	9.54	10.32
<b>Capel, John (USA) (1978)</b>	time	5.87	10.51	15.31	20.49	20.49	6 / 4			
	reaction time		interval	4.64	5.18		# of strides	10.51	9.98	0.53
			velocity	8.52	10.78	10.42	9.65	9.76	9.51	10.02
<b>Routt, Stanford (USA) (1983)</b>	time	5.76	10.46	15.27	20.60	20.60	1 / 5			

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

reaction time	interval	4.70	4.81	5.33		# of strides	10.46	10.14	0.32
	velocity	8.68	10.64	10.40	9.38	9.71	9.56	9.86	
<b>Bookman, Leo (USA) (1982)</b>	time	5.91	10.64	15.46	20.66	20.66	8 / 6		
reaction time	interval	4.73	4.82	5.20		# of strides	10.64	10.02	0.62
	velocity	8.46	10.57	10.37	9.62	9.68	9.40	9.98	
<b>Peterson, Domenik (USA) (1984)</b>	time	5.92	10.76	15.59	20.82	20.82	2 / 7		
reaction time	interval	4.84	4.83	5.23		# of strides	10.76	10.06	0.70
	velocity	8.45	10.33	10.35	9.56	9.61	9.29	9.94	
<b>Hackley, Jimmie (USA) (1975)</b>	time	5.87	10.50	15.37	20.88	20.88	7 / 8		
reaction time	interval	4.63	4.87	5.51		# of strides	10.50	10.38	0.12
	velocity	8.52	10.80	10.27	9.07	9.58	9.52	9.63	

## Semi-Final 1

date 17-Jul-04 wind -0.7 m/s USATF Women's Sprint Development (2004)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Bernard (USA) (1978)</b>	time	5.82	10.41	15.07	20.15	20.15	6 / 1			
reaction time	interval	4.59	4.66	5.08		# of strides	10.41	9.74	0.67	
	velocity	8.59	10.89	10.73	9.84	9.93	9.61	10.27		
<b>Johnson, Joshua J. (USA) (1977)</b>	time	5.97	10.58	15.30	20.45	20.45	3 / 2			
reaction time	interval	4.61	4.72	5.15		# of strides	10.58	9.87	0.71	
	velocity	8.38	10.85	10.59	9.71	9.78	9.45	10.13		
<b>Grimes, Mickey (USA) (1976)</b>	time	5.84	10.44	15.20	20.48	20.48	7 / <del>3</del>			
reaction time	interval	4.60	4.76	5.28	<b>DV</b>	# of strides	10.44	10.04	0.40	
	velocity	8.56	10.87	10.50	9.47	9.77	9.58	9.96		
<b>Gatlin, Justin (USA) (1982)</b>	time	5.96	10.57	15.30	20.50	20.50	4 / <del>4</del> 3			
reaction time	interval	4.61	4.73	5.20		# of strides	10.57	9.93	0.64	
	velocity	8.39	10.85	10.57	9.62	9.76	9.46	10.07		
<b>Scott, Leonard (USA) (1980)</b>	time	5.87	10.61	15.38	20.57	20.57	5 / <del>5</del> 4			
reaction time	interval	4.74	4.77	5.19		# of strides	10.61	9.96	0.65	
	velocity	8.52	10.55	10.48	9.63	9.72	9.43	10.04		
<b>Edwards, LeShaunte (USA) (1977)</b>	time	5.94	10.66	15.44	20.67	20.67	8 / <del>6</del> 5			
reaction time	interval	4.72	4.78	5.23		# of strides	10.66	10.01	0.65	
	velocity	8.42	10.59	10.46	9.56	9.68	9.38	9.99		
<b>Armstrong, Aaron (USA) (1977)</b>	time	5.99	10.77	15.60	20.81	20.81	1 / <del>7</del> 6			
reaction time	interval	4.78	4.83	5.21		# of strides	10.77	10.04	0.73	
	velocity	8.35	10.46	10.35	9.60	9.61	9.29	9.96		
<b>Spearmon, Wallace (USA) (1984)</b>	time	6.11	10.79	15.65	20.92	20.92	2 / <del>8</del> 7			
reaction time	interval	4.68	4.86	5.27		# of strides	10.79	10.13	0.66	
	velocity	8.18	10.68	10.29	9.49	9.56	9.27	9.87		

## 2003 IAAF World Championships (Paris Saint-Denis, FRA)

## FINAL

date 29-Aug-03 wind 0.1 m/s

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Capel, John (USA) (1978)</b>	0.161	no information available				20.30	6 / 1			
<b>Patton, Darvis (USA) (1977)</b>	0.156	no information available				20.31	4 / 2			
<b>Suetsugu, Shingo (JPN) (1980)</b>	0.176	no information available				20.38	5 / 3			
<b>Campbell, Darren (GBR) (1973)</b>	0.151	no information available				20.39	2 / 4			
<b>Buckland, Stéphan (MRI) (1977)</b>	0.129	no information available				20.41	3 / 5			
<b>Johnson, J.J. (USA) (1976)</b>	0.166	no information available				20.47	1 / 6			
<b>Fredericks, Frank (NAM) (1967)</b>	0.158	no information available				20.47	7 / 7			
<b>Emedolu, Uchenna (NGR) (1976)</b>	0.184	no information available				20.62	8 / 8			

## Semi-Final 2

date 28-Aug-03 wind 0.0 m/s

Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato livello

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cavallaro, Alessandro (ITA) (1977)</b>	time		10.70		20.59	20.59	3 / 7			
reaction time	0.219	interval			9.89	# of strides	10.70	9.89	0.81	

velocity	9.35	10.11	9.71	9.35	10.11
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**Quarter-Final 2**

date	27-Aug-03	wind	0.6 m/s	<i>Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato livello</i>						
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Cavallaro, Alessandro (ITA) (1977)</b>	time		10.70		20.47	20.47	5 / 2			
	reaction time	0.137			9.77		# of strides	10.70	9.77	0.93
	velocity		9.35		10.24	9.77		9.35	10.24	

**Heat 4**

date	27-Aug-03	wind	-0.5 m/s	<i>Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato livello</i>						
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Cavallaro, Alessandro (ITA) (1977)</b>	time		10.76		20.42	20.42	4 / 2			
	reaction time	0.151			9.66	<b>PB</b>	# of strides	10.76	9.66	1.10
	velocity		9.29		10.35	9.79		9.29	10.35	

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

date	22-Jun-03	wind	0.1 m/s	<i>USATF Women's Sprint Development (2003)</i>						
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Patton, Darvis (USA) (1977)</b>	time	5.92	10.60	15.16	20.15	20.15	5 / 1			
	reaction time		4.68	4.56	4.99		# of strides	10.60	9.55	1.05
	velocity	8.45	10.68	10.96	10.02	9.93		9.43	10.47	
<b>Capel, John (USA) (1978)</b>	time	5.91	10.42	15.18	20.17	20.17	3 / 2			
	reaction time		4.51	4.76	4.99		# of strides	10.42	9.75	0.67
	velocity	8.46	11.09	10.50	10.02	9.92		9.60	10.26	
<b>Johnson, Joshua J. (USA) (1977)</b>	time	6.06	10.71	15.26	20.22	20.22	6 / 3			
	reaction time		4.65	4.55	4.96		# of strides	10.71	9.51	1.20
	velocity	8.25	10.75	10.99	10.08	9.89		9.34	10.52	
<b>Brokenburr, Kenny (USA) (1968)</b>	time	5.91	10.58	15.25	20.25	20.25	7 / 4			
	reaction time		4.67	4.67	5.00		# of strides	10.58	9.67	0.91
	velocity	8.46	10.71	10.71	10.00	9.88		9.45	10.34	
<b>Clay, Ramon (USA) (1975)</b>	time	5.92	10.58	15.27	20.27	20.27	4 / 5			
	reaction time		4.66	4.69	5.00		# of strides	10.58	9.69	0.89
	velocity	8.45	10.73	10.66	10.00	9.87		9.45	10.32	
<b>Crawford, Shawn (USA) (1978)</b>	time	5.99	10.54	15.28	20.35	20.35	2 / 6			
	reaction time		4.55	4.74	5.07		# of strides	10.54	9.81	0.73
	velocity	8.35	10.99	10.55	9.86	9.83		9.49	10.19	
<b>Wilson, Erick (USA) (1982)</b>	time	6.17	10.88		20.95	20.95	8 / 7			
	reaction time		4.71		10.07		# of strides	10.88	10.07	0.81
	velocity	8.10	10.62		9.93	9.55		9.19	9.93	

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

date	21-Jun-03	wind	-1.8 m/s	<i>USATF Women's Sprint Development (2003)</i>						
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Collins, Aaron (USA) (1984)</b>	time	6.10	10.86	15.72	21.06	21.06	6 / 1			
	reaction time		4.76	4.86	5.34		# of strides	10.86	10.20	0.66
	velocity	8.20	10.50	10.29	9.36	9.50		9.21	9.80	
<b>Neville, David (USA) (1984)</b>	time	6.22	11.11	15.95	21.11	21.11	5 / 2			
	reaction time		4.89	4.84	5.16		# of strides	11.11	10.00	1.11
	velocity	8.04	10.22	10.33	9.69	9.47		9.00	10.00	
<b>Parker, Earvin (USA) (1984)</b>	time	6.29	11.20	16.00	21.23	21.23	4 / 3			
	reaction time		4.91	4.80	5.23		# of strides	11.20	10.03	1.17
	velocity	7.95	10.18	10.42	9.56	9.42		8.93	9.97	
<b>Moore, Carlos (USA) (1984)</b>	time	6.00	10.76	15.72	21.26	21.26	7 / 4			
	reaction time		4.76	4.96	5.54		# of strides	10.76	10.50	0.26
	velocity	8.33	10.50	10.08	9.03	9.41		9.29	9.52	
<b>Kent, Jordan (USA) (1984)</b>	time	6.19		16.16	21.55	21.55	2 / 5			

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

reaction time	interval		9.97	5.39		# of strides			
	velocity	8.08	10.03	9.28	9.28				
<b>Larry, Lionel (USA) (1986)</b>	time		16.16	21.59	21.59	1 / 6			
reaction time	interval			5.43		# of strides			
	velocity		9.28	9.21	9.26				
<b>McCallum, Benjamin (USA) (1981)</b>	time	6.41	11.37	16.35	21.77	21.77	3 / 7		
reaction time	interval		4.96	4.98	5.42		# of strides	11.37	10.40
	velocity	7.80	10.08	10.04	9.23	9.19		8.80	9.62
<b>Smith, Paul (USA) (1984)</b>	time	6.24	11.24	16.25	21.79	21.79	9 / 8		
reaction time	interval		5.00	5.01	5.54		# of strides	11.24	10.55
	velocity	8.01	10.00	9.98	9.03	9.18		8.90	9.48

## 2002 European Championships (Munich, GER)

### FINAL

date		09-Aug-02		wind	-0.5 m/s		Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>			
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kedéris, Konstadinos (GRE) (1981)</b>	time	5.75	10.29	14.93	19.85	19.85	/ 1			
reaction time	0.132 interval		4.54	4.64	4.92	<b>CR / NR</b>	# of strides	10.29	9.56	0.73
	velocity	8.70	11.01	10.78	10.16	10.08		9.72	10.46	
<b>Obikwelu, Francis (POR) (1978)</b>	time	5.83	10.39	15.13	20.21	20.21	/ 2			
reaction time	0.161 interval		4.56	4.74	5.08	<b>NR</b>	# of strides	10.39	9.82	0.57
	velocity	8.58	10.96	10.55	9.84	9.90		9.62	10.18	
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.84	10.45	15.21	20.24	20.24	/ 3			
reaction time	0.142 interval		4.61	4.76	5.03		# of strides	10.45	9.79	0.66
	velocity	8.56	10.85	10.50	9.94	9.88		9.57	10.21	
<b>Malcolm, Christian (GBR) (1979)</b>	time	5.84	10.42	15.19	20.30	20.30	/ 4			
reaction time	0.146 interval		4.58	4.77	5.11		# of strides	10.42	9.88	0.54
	velocity	8.56	10.92	10.48	9.78	9.85		9.60	10.12	
<b>Jędrusiński, Marcin (POL) (1981)</b>	time	5.81	10.38	15.16	20.31	20.31	/ 5			
reaction time	0.175 interval		4.57	4.78	5.15	<b>PB</b>	# of strides	10.38	9.93	0.45
	velocity	8.61	10.94	10.46	9.71	9.85		9.63	10.07	
<b>Torrieri, Marco (ITA) (1978)</b>	time	5.95	10.70	15.50	20.68	20.66	/ 6			
reaction time	0.148 interval		4.75	4.80	5.18		# of strides	10.70	9.98	0.72
	velocity	8.40	10.53	10.42	9.65	9.68		9.35	10.02	
<b>Douglas, Troy (NED) (1962)</b>	time	6.09	10.78	15.58	20.73	20.73	/ 7			
reaction time	0.142 interval		4.69	4.80	5.15		# of strides	10.78	9.95	0.83
	velocity	8.21	10.66	10.42	9.71	9.65		9.28	10.05	
<b>Urbaś, Marcin (POL) (1976)</b>	time	5.98	10.80			dnf	/ --			
reaction time	0.127 interval		4.82				# of strides	10.80		
	velocity	8.36	10.37					9.26		

### Semi-Final 2

date		09-Aug-02		wind	0.2 m/s		Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a>			
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kedéris, Konstadinos (GRE) (1981)</b>	time	5.79	10.37	15.09	20.18	20.18	/ 1			
reaction time	0.124 interval		4.58	4.72	5.09		# of strides	10.37	9.81	0.56
	velocity	8.64	10.92	10.59	9.82	9.91		9.64	10.19	
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.83	10.42	15.17	20.23	20.23	/ 2			
reaction time	0.142 interval		4.59	4.75	5.06		# of strides	10.42	9.81	0.61
	velocity	8.58	10.89	10.53	9.88	9.89		9.60	10.19	
<b>Urbaś, Marcin (POL) (1962)</b>	time	5.87	10.58	15.44	20.60	20.60	/ 3			
reaction time	0.137 interval		4.71	4.86	5.16		# of strides	10.58	10.02	0.56
	velocity	8.52	10.62	10.29	9.69	9.71		9.45	9.98	
<b>Douglas, Troy (NED) (1962)</b>	time	5.93	10.54	15.37	20.64	20.64	/ 4			
reaction time	0.153 interval		4.61	4.83	5.27		# of strides	10.54	10.10	0.44

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



velocity	8.43	10.85	10.35	9.49	9.69		9.49	9.90	
<b>Marcoullides, Anninos (CYP) (1981)</b> time	5.91	10.51	15.38	20.69	20.69	/ 5			
reaction time	0.136	interval	4.60	4.87	5.31	# of strides	10.51	10.18	0.33
velocity	8.46	10.87	10.27	9.42	9.67		9.51	9.82	
<b>Cavallaro, Alessandro (ITA) (1981)</b> time	6.04	10.80	15.75	21.01	21.01	/ 6			
reaction time	0.148	interval	4.76	4.95	5.26	# of strides	10.80	10.21	0.59
velocity	8.28	10.50	10.10	9.51	9.52		9.26	9.79	
<b>Hartonen, Tommi (FIN) (1977)</b> time	6.01	10.69	15.70	21.04	21.04	/ 7			
reaction time	0.141	interval	4.68	5.01	5.34	# of strides	10.69	10.35	0.34
velocity	8.32	10.68	9.98	9.36	9.51		9.35	9.66	
<b>Ertzgaard, John (NOR) (1977)</b>	no information available				dnf	/ --			

## Semi-Final 1

date 09-Aug-02 wind -0.5 m/s

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

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jędrusiński, Marcin (POL) (1981)</b> time	5.90	10.55	15.34	20.46	20.46	/ 1			
reaction time	0.160	interval	4.65	4.79	5.12	# of strides	10.55	9.91	0.64
velocity	8.47	10.75	10.44	9.77	9.78		9.48	10.09	
<b>Obikwelu, Francis (POR) (1978)</b> time	5.81	10.41	15.25	20.48	20.48	/ 2			
reaction time	0.143	interval	4.60	4.84	5.23	# of strides	10.41	10.07	0.34
velocity	8.61	10.87	10.33	9.56	9.77		9.61	9.93	
<b>Malcolm, Christian (GBR) (1979)</b> time	5.92	10.43	15.29	20.54	20.54	/ 3			
reaction time	0.156	interval	4.51	4.86	5.25	# of strides	10.43	10.11	0.32
velocity	8.45	11.09	10.29	9.52	9.74		9.59	9.89	
<b>Torrieri, Marco (ITA) (1978)</b> time	6.00	10.75	15.59	20.78	20.78	/ 4			
reaction time	0.184	interval	4.75	4.84	5.19	# of strides	10.75	10.03	0.72
velocity	8.33	10.53	10.33	9.63	9.62		9.30	9.97	
<b>Brinarsky, Martin (SVK) (1976)</b> time	6.07	10.85	15.71	20.97	20.97	/ 5			
reaction time	0.141	interval	4.78	4.86	5.26	# of strides	10.85	10.12	0.73
velocity	8.24	10.46	10.29	9.51	9.54		9.22	9.88	
<b>Ryan, Gary (IRL) (1972)</b> time	6.01	10.74	15.66	20.98	20.98	/ 6			
reaction time	0.139	interval	4.73	4.92	5.32	# of strides	10.74	10.24	0.50
velocity	8.32	10.57	10.16	9.40	9.53		9.31	9.77	
<b>Pognon, Ronald (FRA) (1982)</b> time	6.07	10.90	15.82	21.04	21.04	/ 7			
reaction time	0.127	interval	4.83	4.92	5.22	# of strides	10.90	10.14	0.76
velocity	8.24	10.35	10.16	9.58	9.51		9.17	9.86	
<b>Moen, Geir (NOR) (1969)</b> time	6.11	10.93	15.90	21.21	21.21	/ 8			
reaction time	0.149	interval	4.82	4.97	5.31	# of strides	10.93	10.28	0.65
velocity	8.18	10.37	10.06	9.42	9.43		9.15	9.73	

## Quarter-Final 3

date 08-Aug-02 wind -0.3 m/s

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

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Jędrusiński, Marcin (POL) (1981)</b> time	5.88	10.40	15.22	20.37	20.37	/ 1			
reaction time	0.158	interval	4.52	4.82	5.15	# of strides	10.40	9.97	0.43
velocity	8.50	11.06	10.37	9.71	9.82		9.62	10.03	
<b>Obikwelu, Francis (POR) (1978)</b> time	5.94	10.52	15.31	20.60	20.60	/ 2			
reaction time	0.173	interval	4.58	4.79	5.29	# of strides	10.52	10.08	0.44
velocity	8.42	10.92	10.44	9.45	9.71		9.51	9.92	
<b>Malcolm, Christian (GBR) (1979)</b> time	5.91	10.53	15.40	20.66	20.66	/ 3			
reaction time	0.162	interval	4.62	4.87	5.26	# of strides	10.53	10.13	0.40
velocity	8.46	10.82	10.27	9.51	9.68		9.50	9.87	

## Quarter-Final 2

date 08-Aug-02 wind -0.8 m/s

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

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

<b>Kedéris, Konstadínos (GRE) (1st time)</b>	time	5.82	10.43	15.16	20.29	20.29	/ 1			
reaction time	0.165	interval	4.61	4.73	5.13		# of strides	10.43	9.86	0.57
		velocity	8.59	10.85	10.57	9.75	9.86	9.59	10.14	
<b>Devonish, Marlon (GBR) (1976)</b>	time	5.87	10.47	15.27	20.41	20.41	/ 2			
reaction time	0.143	interval	4.60	4.80	5.14		# of strides	10.47	9.94	0.53
		velocity	8.52	10.87	10.42	9.73	9.80	9.55	10.06	
<b>Moen, Geir (NOR) (1969)</b>	time	5.92	10.58	15.44	20.86	20.85	/ 4			
reaction time	0.131	interval	4.66	4.86	5.42		# of strides	10.58	10.28	0.30
		velocity	8.45	10.73	10.29	9.23	9.59	9.45	9.73	

**Quarter-Final 1**

date 08-Aug-02

wind -1.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Campbell, Darren (GBR) (1973)</b>	time	5.83	10.42	15.36	20.78	20.78	/ 4			
reaction time	0.106	interval	4.59	4.94	5.42	DQ	# of strides	10.42	10.36	0.06
		velocity	8.58	10.89	10.12	9.23	9.62	9.60	9.65	
<b>Urbaś, Marcin (POL) (1976)</b>	time	5.89	10.56	15.46	20.86	20.86	/ 2 1			
reaction time	0.127	interval	4.67	4.90	5.40		# of strides	10.56	10.30	0.26
		velocity	8.49	10.71	10.20	9.26	9.59	9.47	9.71	
<b>Torrieri, Marco (ITA) (1978)</b>	time	5.97	10.68	15.61	20.90	20.90	/ 3 2			
reaction time	0.142	interval	4.71	4.93	5.29		# of strides	10.68	10.22	0.46
		velocity	8.38	10.62	10.14	9.45	9.57	9.36	9.78	

**Heat 5**

date 08-Aug-02

wind 0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kedéris, Konstadínos (GRE) (1st time)</b>	time		10.37	15.17	20.55	20.55	/ 1			
reaction time	0.177	interval		4.80	5.38		# of strides	10.37	10.18	0.19
		velocity		9.64	10.42	9.29	9.73	9.64	9.82	

**Heat 4**

date 08-Aug-02

wind 0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Obikwelu, Francis (POR) (1978)</b>	time		10.46	15.26	20.55	20.55	/ 1			
reaction time	0.172	interval		4.80	5.29		# of strides	10.46	10.09	0.37
		velocity		9.56	10.42	9.45	9.73	9.56	9.91	
<b>Jędrusiński, Marcin (POL) (1981)</b>	time		10.42	15.28	20.57	20.57	/ 2			
reaction time	0.137	interval		4.86	5.29		# of strides	10.42	10.15	0.27
		velocity		9.60	10.29	9.45	9.72	9.60	9.85	

**Heat 3**

date 08-Aug-02

wind 0.1 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Devonish, Marlon (GBR) (1973)</b>	time		10.71	15.54	20.81	20.81	/ 1			
reaction time	0.133	interval		4.83	5.27		# of strides	10.71	10.10	0.61
		velocity		9.34	10.35	9.49	9.61	9.34	9.90	

**Heat 2**

date 08-Aug-02

wind -0.2 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Campbell, Darren (GBR) (1973)</b>	time		10.61	15.43	20.66	20.66	/ 1			
reaction time	0.145	interval		4.82	5.23		# of strides	10.61	10.05	0.56
		velocity		9.43	10.37	9.56	9.68	9.43	9.95	
<b>Brinarsky, Martin (SVK) (1976)</b>	time		10.71	15.55	20.75	20.75	/ 2			
reaction time	0.102	interval		4.84	5.20		# of strides	10.71	10.04	0.67
		velocity		9.34	10.33	9.62	9.64	9.34	9.96	
<b>Otto, Steffen (GER) (1980)</b>	time		10.83	15.84	21.24	21.24	/ 5			
reaction time	0.152	interval		5.01	5.40		# of strides	10.83	10.41	0.42
		velocity		9.23	9.98	9.26	9.42	9.23	9.61	

**Heat 1**

date 08-Aug-02

wind 0.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Urbaś, Marcin (POL) (1976)</b>	time		10.53	15.41	20.71	20.71	/ 1			

reaction time	0.117	interval		4.88	5.30		# of strides	10.53	10.18	0.35
		velocity		9.50	10.25	9.43	9.66	9.50	9.82	
<b>Malcolm, Christian (GBR) (1979)</b>	time			10.84	15.65	20.82	20.82	/ 2		
reaction time	0.148	interval		4.81	5.17		# of strides	10.84	9.98	0.86
		velocity		9.23	10.40	9.67	9.61	9.23	10.02	

## 2001 IAAF World Championships (Edmonton, CAN)

### FINAL

date 09-Aug-01

wind 0.2 m/s

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

				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kedéris, Konstadinos (GRE) (1979)</b>	time				10.3		20.0	20.04	4 / 1			
reaction time	0.163	interval					9.7		# of strides	10.30	9.74	0.56
		velocity		★	★	★	★	★	★	★	★	
				9.71	9.71	10.27	9.98	9.98	86.7	9.71	10.27	
<b>Williams, Christopher (JAM) (1979)</b>	time				10.1		20.2	20.20	3 / 2			
reaction time	0.143	interval					10.1		# of strides	10.10	10.10	0.00
		velocity			9.90		9.90	9.90	94.0	9.90	9.90	
<b>Collins, Kim (SKN) (1976)</b>	time				10.3		20.2	20.20	1 / 3			
reaction time	0.136	interval					9.9	<b>NR</b>	# of strides	10.30	9.90	0.40
		velocity			9.71		10.10	9.90	91.0	9.71	10.10	
<b>Crawford, Shawn (USA) (1978)</b>	time				10.3		20.2	20.20	2 / 3			
reaction time	0.161	interval					9.9		# of strides	10.30	9.90	0.40
		velocity			9.71		10.10	9.90	92.0	9.71	10.10	
<b>Malcolm, Christian (GBR) (1979)</b>	time				10.2		20.2	20.22	5 / 5			
reaction time	0.157	interval					10.0		# of strides	10.20	10.02	0.18
		velocity			9.80		9.98	9.89	90.5	9.80	9.98	
<b>Buckland, Stéphan (MRI) (1977)</b>	time				10.2		20.2	20.24	7 / 6			
reaction time	0.179	interval					10.0		# of strides	10.20	10.04	0.16
		velocity			9.80		9.96	9.88	93.0	9.80	9.96	
<b>Little, Kevin (USA) (1968)</b>	time				10.1		20.3	20.25	6 / 7			
reaction time	0.134	interval					10.2		# of strides	10.10	10.15	-0.05
		velocity			9.90		9.85	9.88	91.5	9.90	9.85	
<b>Devonish, Marlon (GBR) (1976)</b>	time				10.2		20.4	20.38	8 / 8			
reaction time	0.133	interval					10.2		# of strides	10.20	10.18	0.02
		velocity			9.80		9.82	9.81	88.2	9.80	9.82	

## 2001 European Cup (Bremen, GER)

### FINAL

date 24-Jun-01

wind -0.7 m/s

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

				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kedéris, Konstadinos (GRE) (1979)</b>	time				5.93	10.57	15.27	20.31	20.31	/ 1		
reaction time	0.157	interval					4.64		# of strides	10.57	9.74	0.83
		velocity			8.43	10.78	10.64	9.92	9.85	9.46	10.27	
<b>Devonish, Marlon (GBR) (1976)</b>	time				5.85	10.49	15.34	20.59	20.59	/ 2		
reaction time	0.140	interval					4.64		# of strides	10.49	10.10	0.39
		velocity			8.55	10.78	10.31	9.52	9.71	9.53	9.90	
<b>Urbaś, Marcin (POL) (1976)</b>	time				5.94	10.94	15.45	20.69	20.69	/ 3		
reaction time	0.139	interval					5.00		# of strides	10.94	9.75	1.19
		velocity			8.42	10.00	11.09	9.54	9.67	9.14	10.26	
<b>Cheval, Christophe (FRA) (1971)</b>	time				5.99	10.65	15.49	20.82	20.82	/ 4		
reaction time	0.232	interval					4.66		# of strides	10.65	10.17	0.48
		velocity			8.35	10.73	10.33	9.38	9.61	9.39	9.83	
<b>Cavallaro, Alessandro (ITA) (1971)</b>	time				6.08	10.71	15.55	20.84	20.84	/ 5		
reaction time	0.194	interval					4.63		# of strides	10.71	10.13	0.58
		velocity			8.22	10.80	10.33	9.45	9.60	9.34	9.87	

<b>Blume, Marc (GER) (1973)</b>	time	5.87	10.62	15.63	21.14	21.14	/ 6			
	reaction time	0.117	interval	4.75	5.01	5.51	# of strides	10.62	10.52	0.10
	velocity	8.52	10.53	9.98	9.07	9.46		9.42	9.51	
<b>Ryabov, Aleksandr (RUS) (1975)</b>	time	6.02	10.87	15.88	21.41	21.41	/ 7			
	reaction time	0.188	interval	4.85	5.01	5.53	# of strides	10.87	10.54	0.33
	velocity	8.31	10.31	9.98	9.04	9.34		9.20	9.49	
<b>Dorrego, Alberto (ESP) (1979)</b>	time	6.00	10.75	15.89			/ --			
	reaction time	0.177	interval	4.75	5.14		<b>DQ</b> # of strides	10.75		
	velocity	8.33	10.53	9.73				9.30		

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

	date	28-Sep-00	wind	-0.6 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kedéris, Konstadinos (GRE) (1973)</b>	time	0.163	no information available				20.09	5 / 1			
<b>Campbell, Darren (GBR) (1973)</b>	time	0.174	no information available				20.14	6 / 2			
<b>Boldon, Ato (TTO) (1973)</b>	time	0.163	no information available				20.20	8 / 3			
<b>Thompson, Obadele (BAR) (1973)</b>	time	0.205	no information available				20.20	7 / 4			
<b>Malcolm, Christian (GBR) (1979)</b>	time	0.202	no information available				20.23	3 / 5			
<b>da Silva, Claudinei Quirino (BR) (1976)</b>	time	0.192	no information available				20.28	1 / 6			
<b>Miller, Coby (USA) (1976)</b>	time	0.185	no information available				20.35	2 / 7			
<b>Capel, John (USA) (1978)</b>	time	0.348	no information available				20.49	4 / 8			

**2000 USA Olympic Trials (Sacramento, CA)****FINAL**

	date	23-Jul-00	wind	-0.3 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Capel, John (USA) (1978)</b>	time			10.2		19.85	19.85	5 / 1			
	reaction time	0.151	interval			9.65		# of strides	10.20	9.65	0.55
	velocity			9.80		10.36	10.08		9.80	10.36	
<b>Heard, Floyd (USA) (1966)</b>	time	0.159	no information available			<b>PB</b>	19.88	7 / 2			
<b>Miller, Coby (USA) (1976)</b>	time	0.184	no information available				19.96	8 / 3			
<b>Williams, Bernard (USA) (1978)</b>	time	0.174	no information available			<b>PB</b>	20.03	6 / 4			
<b>Brokenburr, Kenny (USA) (1968)</b>	time		no information available				20.33	3 / 5			
<b>Greene, Maurice (USA) (1974)</b>	time		no information available				dnf	4 / --			
<b>Johnson, Michael (USA) (1967)</b>	time		no information available				dnf	1 / --			

**Semi-Final 2**

	date	23-Jul-00	wind	1.1 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Bernard (USA) (1978)</b>	time			10.2		20.04	20.04	/ 1			
	reaction time		interval			9.84		# of strides	10.20	9.84	0.36
	velocity			9.80		10.16	9.98		9.80	10.16	
<b>Heard, Floyd (USA) (1966)</b>	time			10.3		20.15	20.15	/ 2			
	reaction time		interval			9.85		# of strides	10.30	9.85	0.45
	velocity			9.71		10.15	9.93		9.71	10.15	
<b>Lewis, Brian (USA) (1974)</b>	time			10.4		20.26	20.26	/ 3			
	reaction time		interval			9.86		# of strides	10.40	9.86	0.54
	velocity			9.62		10.14	9.87		9.62	10.14	

**2000 (Torino, ITA)****FINAL**

	date	10-Jul-00	wind	0.4 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cavallaro, Alessandro (ITA) (1973)</b>	time			10.59		20.48	20.48	/ 1			
	reaction time		interval			9.89		# of strides	10.59	9.89	0.70
	velocity			9.44		10.11	9.77		9.44	10.11	

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

	date	27-Aug-99	wind	1.2 m/s							
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Greene, Maurice (USA) (1974)</b>	time			5.74		10.25	14.94	19.90	19.90	3 / 1	
	reaction time	0.144	interval			4.51	4.69	4.96		# of strides	10.25
											9.65
											0.60

	velocity	8.71	11.09	10.66	10.08	10.05		9.76	10.36		
<b>da Silva, Claudinei Quirino (BR)</b>	time	5.88	10.32	14.99	20.00	20.00	6 / 2				
	reaction time	0.138	interval	4.44	4.67	5.01	<b>PB</b>	# of strides	10.32	9.68	0.64
	velocity	8.50	11.26	10.71	9.98	10.00			9.69	10.33	
<b>Obikwelu, Francis (NGR) (1978)</b>	time	5.83	10.28	15.02	20.11	20.11	4 / 3				
	reaction time	0.174	interval	4.45	4.74	5.09		# of strides	10.28	9.83	0.45
	velocity	8.58	11.24	10.55	9.82	9.95			9.73	10.17	
<b>Thompson, Obadele (BAR) (1978)</b>	time	5.82	10.31	15.07	20.11	20.23	7 / 4				
	reaction time	0.134	interval	4.49	4.76	5.04		# of strides	10.31	9.80	0.51
	velocity	8.59	11.14	10.50	9.92	9.89			9.70	10.20	
<b>Urbaś, Marcin (POL) (1976)</b>	time	5.89	10.44	15.22	20.30	20.30	5 / 5				
	reaction time	0.131	interval	4.55	4.78	5.08		# of strides	10.44	9.86	0.58
	velocity	8.49	10.99	10.46	9.84	9.85			9.58	10.14	
<b>Little, Kevin (USA) (1968)</b>	time	5.84	10.35	15.17	20.37	20.37	8 / 6				
	reaction time	0.159	interval	4.51	4.82	5.20		# of strides	10.35	10.02	0.33
	velocity	8.56	11.09	10.37	9.62	9.82			9.66	9.98	
<b>Golding, Julian (GBR) (1975)</b>	time	6.07	10.76	15.51	20.48	20.48	1 / 7				
	reaction time	0.131	interval	4.69	4.75	4.97		# of strides	10.76	9.72	1.04
	velocity	8.24	10.66	10.53	10.06	9.77			9.29	10.29	
<b>Fredericks, Frank (NAM) (1967)</b>						DNS	2 / --				

**Heat 3**

date 24-Aug-99 wind -0.6 m/s

(2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Eriksson, Torbjörn (SWE) (1971)</b>	time		10.56	15.40	20.58	20.58	4 / 1			
	reaction time		interval	4.84	5.18	<b>NR</b>	# of strides	10.56	10.02	0.54
	velocity		9.47	10.33	9.65	9.72		9.47	9.98	

**1999 European Junior Championships (Rīga, LAT)****Heat 1**

date 06-Aug-99 wind -0.3 m/s

*Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato livello*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cavallaro, Alessandro (ITA) (1978)</b>	time		10.71		20.74	20.74	/ 1			
	reaction time		interval		10.03	<b>PB</b>	# of strides	10.71	10.03	0.68
	velocity		9.34		9.97	9.64		9.34	9.97	

**1999 FRA vs ITA vs ??? 3 Nations (Albertville, FRA)****FINAL**

date 24-Jul-99 wind -0.6 m/s

*Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato livello*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Cavallaro, Alessandro (ITA) (1978)</b>	time		10.90		21.00	21.00	/ 1			
	reaction time		interval		10.10		# of strides	10.90	10.10	0.80
	velocity		9.17		9.90	9.52		9.17	9.90	

**1998 European Championships (Budapest, HUN)****Heat 1**

date 20-Aug-98 wind -1.2 m/s

*Veney - split times from PJ*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bittner, Daniel (GER) (1971)</b>	time	5.94	10.73	15.71	21.06	21.09	/ 5			
	reaction time		interval	4.79	4.98	5.35	# of strides	10.73	10.33	0.40
	velocity	8.42	10.44	10.04	9.35	9.48		9.32	9.68	

**1997 IAAF World Championships (Athens, GRE)****FINAL**

date 08-Aug-97 wind 2.3 m/s

*Ritzdorf (1997) - biomechanical research project at the VI th world championships*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Boldon, Ato (TTO) (1973)</b>	time	5.69	10.23	15.01	19.91	20.04	3 / 1			
	reaction time	0.132	interval	4.54	4.78	4.90	# of strides	10.23	9.68	0.55
	velocity	8.79	11.01	10.46	10.20	9.98	88.2	9.78	10.33	
<b>Fredericks, Frank (NAM) (1967)</b>	time	5.66	10.28	15.10	20.10	20.23	4 / 2			
	reaction time	0.127	interval	4.62	4.82	5.00	# of strides	10.28	9.82	0.46

	velocity	8.83	10.82	10.37	10.00	9.89	91.2	9.73	10.18	
<b>da Silva, Claudinei Quirino (BR)</b>	time	5.76	10.42	15.22	20.12	20.26	5 / 3			
	reaction time	0.141	interval	4.66	4.80	4.90	# of strides	10.42	9.70	0.72
	velocity	8.68	10.73	10.42	10.20	9.87	86.0	9.60	10.31	
<b>García, Iván (CUB) (1972)</b>	time	5.66	10.30	15.06	20.18	20.31	6 / 4			
	reaction time	0.131	interval	4.64	4.76	5.12	# of strides	10.30	9.88	0.42
	velocity	8.83	10.78	10.50	9.77	9.85	92.0	9.71	10.12	
<b>Panayiotópoilos, Yeóryios (GRI)</b>	time	5.73	10.37	15.19	20.21	20.32	7 / 5			
	reaction time	0.115	interval	4.64	4.82	5.02	# of strides	10.37	9.84	0.53
	velocity	8.73	10.78	10.37	9.96	9.84	91.2	9.64	10.16	
<b>Thompson, Obadele (BAR) (19)</b>	time	5.75	10.31	15.11	20.19	20.37	2 / 6			
	reaction time	0.184	interval	4.56	4.80	5.08	# of strides	10.31	9.88	0.43
	velocity	8.70	10.96	10.42	9.84	9.82	84.8	9.70	10.12	
<b>Drummond, Jon (USA) (1968)</b>	time	5.62	10.20	15.06	20.30	20.44	1 / 7			
	reaction time	0.144	interval	4.58	4.86	5.24	# of strides	10.20	10.10	0.10
	velocity	8.90	10.92	10.29	9.54	9.78	92.4	9.80	9.90	
<b>Stevens, Patrick (BEL) (1968)</b>	time	5.74	10.38	15.18	20.26	20.44	8 / 8			
	reaction time	0.183	interval	4.64	4.80	5.08	# of strides	10.38	9.88	0.50
	velocity	8.71	10.78	10.42	9.84	9.78	89.4	9.63	10.12	

**1997 European Cup (Munich, GER)****FINAL**

date 22-Jun-97

wind 0.7 m/s

Jung (2003) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Christie, Linford (GBR) (1960)</b>	time	5.82	10.47	15.29	20.56	20.56	/ =1			
	reaction time		interval	4.65	4.82	5.27	# of strides	10.47	10.09	0.38
	velocity	8.59	10.75	10.37	9.49	9.73		9.55	9.91	
<b>Panayiotópoilos, Yeóryios (GRI)</b>	time	5.92	10.58	15.40	20.56	20.56	/ =1			
	reaction time		interval	4.66	4.82	5.16	# of strides	10.58	9.98	0.60
	velocity	8.45	10.73	10.37	9.69	9.73		9.45	10.02	
<b>Moen, Geir (NOR) (1969)</b>	time	5.92	10.57	15.39	20.60	20.60	/ 3			
	reaction time		interval	4.65	4.82	5.21	# of strides	10.57	10.03	0.54
	velocity	8.45	10.75	10.37	9.60	9.71		9.46	9.97	
<b>Cheval, Christophe (FRA) (197)</b>	time	6.05	10.78	15.61	20.75	20.75	/ 4			
	reaction time		interval	4.73	4.83	5.14	# of strides	10.78	9.97	0.81
	velocity	8.26	10.57	10.35	9.73	9.64		9.28	10.03	
<b>Attene, Alessandro (ITA) (1977)</b>	time	6.10	10.78	15.63	20.89	20.89	/ 5			
	reaction time		interval	4.68	4.85	5.26	# of strides	10.78	10.11	0.67
	velocity	8.20	10.68	10.31	9.51	9.57		9.28	9.89	
<b>Prokhomovskiy, Aleksandr (RU)</b>	time	5.91	10.61	15.56	20.92	20.92	/ 6			
	reaction time		interval	4.70	4.95	5.36	# of strides	10.61	10.31	0.30
	velocity	8.46	10.64	10.10	9.33	9.56		9.43	9.70	
<b>Bittner, Daniel (GER) (1971)</b>	time	5.94	10.73	15.71	21.06	21.06	/ 7			
	reaction time		interval	4.79	4.98	5.35	# of strides	10.73	10.33	0.40
	velocity	8.42	10.44	10.04	9.35	9.50		9.32	9.68	
<b>Mayoral, Jordi (ESP) (1973)</b>	time	6.06	10.84	15.82	21.21	21.21	/ 8			
	reaction time		interval	4.78	4.98	5.39	# of strides	10.84	10.37	0.47
	velocity	8.25	10.46	10.04	9.28	9.43		9.23	9.64	

**1997 "World's Fastest Man" (Toronto, CAN) (150m indoor, 75m curve / 75m straight)****FINAL**

date 31-May-97

Vazel (2009) - [le blog du sprint \(http://futuraanterior.wordpress.com/\)](http://futuraanterior.wordpress.com/)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Bailey, Donovan (CAN) (1967)</b>	time	5.74	10.24	14.99		14.99	1 / 1			<b>50-150m</b>

reaction time	interval	4.50	4.75		# of strides	10.24	9.25
	velocity	8.71	11.11	10.53	10.01	9.77	10.81

Johnson, Michael (USA) (1967) no information available dnf 2 / --

## 1996 Olympic Games (Atlanta, GA)

Maisetti (1996) - observation des courses de vitesse d'Atlanta

### FINAL

date 01-Aug-96

wind 0.4 m/s

Veney - split times from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Johnson, Michael (USA) (1967)	time	5.79	10.14	14.62	19.32	19.32	3 / 1			
	reaction time	0.161				<b>WR</b>	# of strides	10.14	9.18	0.96
	interval		4.35	4.48	4.70					
	velocity	8.64	11.49	11.16	10.64	10.35	90.1	9.86	10.89	
Fredericks, Frank (NAM) (1967)	time		10.19	14.80	19.68	19.68	5 / 2			
	reaction time	0.200				<b>AR</b>	# of strides	10.19	9.49	0.70
	interval		9.81	4.61	4.88					
	velocity		9.81	10.85	10.25	10.16	89.4	9.81	10.54	
Boldon, Ato (TTO) (1973)	time		10.18	14.84	19.80	19.80	6 / 3			
	reaction time	0.208				<b>PB</b>	# of strides	10.18	9.62	0.56
	interval		9.82	4.66	4.96					
	velocity		9.82	10.73	10.08	10.10	87.4	9.82	10.40	
Thompson, Obadele (BAR) (1973)	time		10.34		20.14	20.14	8 / 4			
	reaction time	0.202				<b>PB</b>	# of strides	10.34	9.80	0.54
	interval		9.67		9.80					
	velocity		9.67		10.20	9.93	86.2	9.67	10.20	
Williams, Jeff (USA) (1965)	time		10.43		20.17	20.17	2 / 5			Maisetti (1996)
	reaction time	0.182					# of strides	10.43	9.74	0.69
	interval		9.59		9.74					
	velocity		9.59		10.27	9.92	86.4	9.59	10.27	
García, Iván (CUB) (1972)	time		10.43		20.21	20.21	4 / 6			
	reaction time	0.229					# of strides	10.43	9.78	0.65
	interval		9.59		9.78					
	velocity		9.59		10.22	9.90	90.1	9.59	10.22	
Stevens, Patrick (BEL) (1968)	time		10.43		20.27	20.27	7 / 7			
	reaction time	0.151					# of strides	10.43	9.84	0.59
	interval		9.59		9.84					
	velocity		9.59		10.16	9.87	88.2	9.59	10.16	
Marsh, Michael (USA) (1967)	time		10.61		20.48	20.48	1 / 8			Maisetti (1996)
	reaction time	0.167					# of strides	10.61	9.87	0.74
	interval		9.43		9.87					
	velocity		9.43		10.13	9.77	85.0	9.43	10.13	

## 1996 USATF Olympic Trials (Atlanta, GA)

### FINAL

date 23-Jun-96

wind 1.7 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Johnson, Michael (USA) (1967)	time		10.48	15.04	19.66	19.66	5 / 1			
	reaction time	0.183				<b>WR</b>	# of strides	10.48	9.18	1.30
	interval		9.54	4.56	4.62					
	velocity		9.54	10.96	10.82	10.17	90.9	9.54	10.89	
Williams, Jeff (USA) (1965)	time		10.65	15.26	20.03	20.03	6 / 2			
	reaction time						# of strides	10.65	9.38	1.27
	interval		9.39	4.61	4.77					
	velocity		9.39	10.85	10.48	9.99		9.39	10.66	
Marsh, Michael (USA) (1967)	time		10.65	15.29	20.04	20.04	4 / 3			
	reaction time						# of strides	10.65	9.39	1.26
	interval		9.39	4.64	4.75					
	velocity		9.39	10.78	10.53	9.98		9.39	10.65	
Clay, Ramon (USA) (1975)	time		10.70	15.38	20.08	20.08	3 / 4			
	reaction time					<b>PB</b>	# of strides	10.70	9.38	1.32
	interval		9.35	4.68	4.70					
	velocity		9.35	10.68	10.64	9.96		9.35	10.66	
Lewis, Carl (USA) (1961)	time		10.72	15.44	20.20	20.20	1 / 5			
	reaction time	0.140					# of strides	10.72	9.48	1.24
	interval		9.33	4.72	4.76					
	velocity		9.33	10.59	10.50	9.90		9.33	10.55	
Whitted, Alvis (USA) (1974)	time		10.77	15.54	20.31	20.31	2 / 6			
	reaction time						# of strides	10.77	9.54	1.23
	interval		9.33	4.77	4.77					

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

	velocity	9.29	10.48	10.48	9.85		9.29	10.48	
<b>Heard, Floyd (USA) (1966)</b>	time	10.70	15.44	20.34	20.34	8 / 7			
reaction time	interval		4.74	4.90		# of strides	10.70	9.64	1.06
	velocity	9.35	10.55	10.20	9.83		9.35	10.37	
<b>Little, Kevin (USA) (1968)</b>	time	10.72	15.48	20.39	20.39	7 / 8			
reaction time	interval		4.76	4.91		# of strides	10.72	9.67	1.05
	velocity	9.33	10.50	10.18	9.81		9.33	10.34	

**Semi-Final 2**

date 23-Jun-96

wind -0.3 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Jeff (USA) (1965)</b>	time	10.48	15.09	20.02	20.02	4 / 1				
reaction time	interval		4.61	4.93		# of strides	10.48	9.54	0.94	
	velocity	9.54	10.85	10.14	9.99		9.54	10.48		
<b>Marsh, Michael (USA) (1967)</b>	time	10.48	15.11	20.22	20.20	6 / 2				
reaction time	interval		4.63	5.11		# of strides	10.48	9.74	0.74	
	velocity	9.54	10.80	9.78	9.90		9.54	10.27		
<b>Lewis, Carl (USA) (1961)</b>	time	10.46	15.19	20.29	20.29	5 / 3				
reaction time	interval		4.73	5.10		# of strides	10.46	9.83	0.63	
	velocity	9.56	10.57	9.80	9.86		9.56	10.17		
<b>Whitted, Alvis (USA) (1974)</b>	time	10.56	15.29	20.29	20.29	3 / 4				
reaction time	interval		4.73	5.00	<b>PB</b>	# of strides	10.56	9.73	0.83	
	velocity	9.47	10.57	10.00	9.86		9.47	10.28		
<b>Dopek, Dave (USA) (1973)</b>	time	10.83	15.51	20.44	20.44	7 / 5				
reaction time	interval		4.68	4.93		# of strides	10.83	9.61	1.22	
	velocity	9.23	10.68	10.14	9.78		9.23	10.41		
<b>Bridgewater, Brian (USA) (1970)</b>	time	10.66	15.42	20.52	20.52	2 / 6				
reaction time	interval		4.76	5.10		# of strides	10.66	9.86	0.80	
	velocity	9.38	10.50	9.80	9.75		9.38	10.14		
<b>Watkins, Slip (USA) (1967)</b>	time	10.56	15.41	20.69	20.69	8 / 7				
reaction time	interval		4.85	5.28		# of strides	10.56	10.13	0.43	
	velocity	9.47	10.31	9.47	9.67		9.47	9.87		
<b>Henderson, Kevin (USA) (1965)</b>	time	10.70	15.52	20.81	20.81	1 / 8				
reaction time	interval		4.82	5.29		# of strides	10.70	10.11	0.59	
	velocity	9.35	10.37	9.45	9.61		9.35	9.89		

**Semi-Final 1**

date 23-Jun-96

wind 2.7 m/s

USATF Women's Sprint Development (1996)

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Johnson, Michael (USA) (1967)</b>	time	10.21	14.74	19.70	19.70	3 / 1				
reaction time	interval		4.53	4.96		# of strides	10.21	9.49	0.72	
	velocity	9.79	11.04	10.08	10.15		9.79	10.54		
<b>Clay, Ramon (USA) (1975)</b>	time	10.35	14.94	19.99	19.99	6 / 2				
reaction time	interval		4.59	5.05		# of strides	10.35	9.64	0.71	
	velocity	9.66	10.89	9.90	10.01		9.66	10.37		
<b>Little, Kevin (USA) (1968)</b>	time	10.28	14.94	20.09	20.09	5 / 3				
reaction time	interval		4.66	5.15		# of strides	10.28	9.81	0.47	
	velocity	9.73	10.73	9.71	9.96		9.73	10.19		
<b>Heard, Floyd (USA) (1966)</b>	time	10.41	15.06	20.15	20.15	2 / 4				
reaction time	interval		4.65	5.09		# of strides	10.41	9.74	0.67	
	velocity	9.61	10.75	9.82	9.93		9.61	10.27		
<b>Bradley, Gentry (USA) (1974)</b>	time	10.69	15.28	20.20	20.20	1 / 5				
reaction time	interval		4.59	4.92		# of strides	10.69	9.51	1.18	
	velocity	9.35	10.89	10.16	9.90		9.35	10.52		



<b>Napier, Dino (USA) (1969)</b>	time	10.58	15.20	20.22	20.22	4 / 6			
reaction time	interval		4.62	5.02		# of strides	10.58	9.64	0.94
	velocity	9.45	10.82	9.96	9.89		9.45	10.37	
<b>Wheeler, Tony (USA) (1975)</b>	time	10.46	15.18	20.30	20.30	8 / 7			
reaction time	interval		4.72	5.12		# of strides	10.46	9.84	0.62
	velocity	9.56	10.59	9.77	9.85		9.56	10.16	
<b>Griffin, Rohsaan (USA) (1974)</b>	time	10.49	15.12	20.31	20.31	7 / 8			
reaction time	interval		4.63	5.19		# of strides	10.49	9.82	0.67
	velocity	9.53	10.80	9.63	9.85		9.53	10.18	

**Quarter-Final 3**

date 22-Jun-96

wind 0.7 m/s

Hymans (2020) - history of the US olympic trials - track and field

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Clay, Ramon (USA) (1975)</b>	time		10.44		20.20	20.20	/ 1			
reaction time	interval				9.76		# of strides	10.44	9.76	0.68
	velocity		9.58		10.25	9.90		9.58	10.25	
<b>Lewis, Carl (USA) (1961)</b>	time		10.42		20.29	20.29	/ 2			
reaction time	interval				9.87		# of strides	10.42	9.87	0.55
	velocity		9.60		10.13	9.86		9.60	10.13	
<b>Napier, Dino (USA) (1969)</b>	time		10.64		20.33	20.33	/ 3			
reaction time	interval				9.69		# of strides	10.64	9.69	0.95
	velocity		9.40		10.32	9.84		9.40	10.32	
<b>Bradley, Gentry (USA) (1974)</b>	time		10.63		20.34	20.34	/ 4			
reaction time	interval				9.71		# of strides	10.63	9.71	0.92
	velocity		9.41		10.30	9.83		9.41	10.30	
<b>Heard, Floyd (USA) (1966)</b>	time		10.49		20.51	20.51	/ 5			
reaction time	interval				10.02		# of strides	10.49	10.02	0.47
	velocity		9.53		9.98	9.75		9.53	9.98	
<b>Nelloms, Chris (USA) (1971)</b>	time		10.51		20.71	20.71	/ 6			
reaction time	interval				10.20		# of strides	10.51	10.20	0.31
	velocity		9.51		9.80	9.66		9.51	9.80	
<b>Tolbert, Rod (USA) (1967)</b>	time		10.57		20.80	20.80	/ 7			
reaction time	interval				10.23		# of strides	10.57	10.23	0.34
	velocity		9.46		9.78	9.62		9.46	9.78	
<b>St. Julian, Jah'Shawn (USA) (1974)</b>	time		10.71		20.93	20.93	/ 8			
reaction time	interval				10.22		# of strides	10.71	10.22	0.49
	velocity		9.34		9.78	9.56		9.34	9.78	

**Quarter-Final 2**

date 22-Jun-96

wind 0.0 m/s

Hymans (2020) - history of the US olympic trials - track and field

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Johnson, Michael (USA) (1967)</b>	time		10.31		20.23	20.23	/ 1			
reaction time	interval				9.92		# of strides	10.31	9.92	0.39
	velocity		9.70		10.08	9.89		9.70	10.08	
<b>Marsh, Michael (USA) (1967)</b>	time		10.46		20.30	20.30	/ 2			
reaction time	interval				9.84		# of strides	10.46	9.84	0.62
	velocity		9.56		10.16	9.85		9.56	10.16	
<b>Whitted, Alvis (USA) (1974)</b>	time		10.51		20.36	20.36	/ 3			
reaction time	interval				9.85		# of strides	10.51	9.85	0.66
	velocity		9.51		10.15	9.82		9.51	10.15	
<b>Wheeler, Tony (USA) (1975)</b>	time		10.55		20.39	20.39	/ 4			
reaction time	interval				9.84		# of strides	10.55	9.84	0.71
	velocity		9.48		10.16	9.81		9.48	10.16	
<b>Dopek, Dave (USA) (1973)</b>	time		10.72		20.44	20.44	/ 5			
reaction time	interval				9.72		# of strides	10.72	9.72	1.00

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

	velocity	9.33	10.29	9.78		9.33	10.29	
<b>Watkins, Slip (USA) (1967)</b>	time	10.49	20.67	20.67	/ 6			
reaction time	interval		10.18		# of strides	10.49	10.18	0.31
	velocity	9.53	9.82	9.68		9.53	9.82	
<b>Cavitt, Cornelius (USA) (1974)</b>	time	10.82	20.90	20.90	/ 7			
reaction time	interval		10.08		# of strides	10.82	10.08	0.74
	velocity	9.24	9.92	9.57		9.24	9.92	
<b>Price, Mike (USA) (1977)</b>	time	10.77	21.15	21.15	/ 8			
reaction time	interval		10.38		# of strides	10.77	10.38	0.39
	velocity	9.29	9.63	9.46		9.29	9.63	

## Quarter-Final 1

date 22-Jun-96

wind 2.4 m/s

Hymans (2020) - history of the US olympic trials - track and field

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Jeff (USA) (1965)</b>	time		10.36		20.07	20.07	/ 1			
reaction time	interval				9.71		# of strides	10.36	9.71	0.65
	velocity		9.65		10.30	9.97		9.65	10.30	
<b>Little, Kevin (USA) (1968)</b>	time		10.43		20.35	20.35	/ 2			
reaction time	interval				9.92		# of strides	10.43	9.92	0.51
	velocity		9.59		10.08	9.83		9.59	10.08	
<b>Bridgewater, Brian (USA) (1970)</b>	time		10.51		20.43	20.43	/ 3			
reaction time	interval				9.92		# of strides	10.51	9.92	0.59
	velocity		9.51		10.08	9.79		9.51	10.08	
<b>Henderson, Kevin (USA) (1965)</b>	time		10.40		20.48	20.48	/ 4			
reaction time	interval				10.08		# of strides	10.40	10.08	0.32
	velocity		9.62		9.92	9.77		9.62	9.92	
<b>Griffin, Rohsaan (USA) (1974)</b>	time		10.58		20.60	20.60	/ 5			
reaction time	interval				10.02		# of strides	10.58	10.02	0.56
	velocity		9.45		9.98	9.71		9.45	9.98	
<b>Maybank, Anthuan (USA) (1968)</b>	time		10.89		20.70	20.70	/ 6			
reaction time	interval				9.81		# of strides	10.89	9.81	1.08
	velocity		9.18		10.19	9.66		9.18	10.19	
<b>Krill, Bryan (USA) (1973)</b>	time		10.83		21.09	21.09	/ 7			
reaction time	interval				10.26		# of strides	10.83	10.26	0.57
	velocity		9.23		9.75	9.48		9.23	9.75	

## Heat 4

date 21-Jun-96

wind 0.9 m/s

Hymans (2020) - history of the US olympic trials - track and field

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Williams, Jeff (USA) (1965)</b>	time		10.38		20.10	20.10	/ 1			
reaction time	interval				9.72		# of strides	10.38	9.72	0.66
	velocity		9.63		10.29	9.95		9.63	10.29	
<b>Little, Kevin (USA) (1968)</b>	time		10.45		20.44	20.44	/ 2			
reaction time	interval				9.99		# of strides	10.45	9.99	0.46
	velocity		9.57		10.01	9.78		9.57	10.01	
<b>Whitted, Alvis (USA) (1974)</b>	time		10.48		20.45	20.45	/ 3			
reaction time	interval				9.97		# of strides	10.48	9.97	0.51
	velocity		9.54		10.03	9.78		9.54	10.03	
<b>Napier, Dino (USA) (1969)</b>	time		10.49		20.47	20.47	/ 4			
reaction time	interval				9.98		# of strides	10.49	9.98	0.51
	velocity		9.53		10.02	9.77		9.53	10.02	
<b>Heard, Floyd (USA) (1966)</b>	time		10.47		20.51	20.51	/ 5			
reaction time	interval				10.04		# of strides	10.47	10.04	0.43
	velocity		9.55		9.96	9.75		9.55	9.96	

<b>Watkins, Slip (USA) (1967)</b>	time	10.43	20.65	20.65	/ 6				
reaction time	interval		10.22		# of strides	10.43	10.22	0.21	
	velocity	9.59	9.78	9.69		9.59	9.78		
<b>Tolbert, Rod (USA) (1967)</b>	time	10.58	20.71	20.71	/ 7				
reaction time	interval		10.13		# of strides	10.58	10.13	0.45	
	velocity	9.45	9.87	9.66		9.45	9.87		

**Heat 3**date 21-Jun-96 wind 0.9 m/s *Hymans (2020) - history of the US olympic trials - track and field*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Johnson, Michael (USA) (1967)</b>	time		10.19		20.61	20.61	/ 1			
reaction time	interval				10.42		# of strides	10.19	10.42	-0.23
	velocity	★	9.81	★	9.60	9.70		9.81	9.60	
<b>St. Julian, Jah'Shawn (USA) (1981)</b>	time		10.60		20.91	20.91	/ 2			
reaction time	interval				10.31		# of strides	10.60	10.31	0.29
	velocity		9.43		9.70	9.56		9.43	9.70	
<b>Krill, Bryan (USA) (1973)</b>	time		10.79		20.95	20.95	/ 3			
reaction time	interval				10.16		# of strides	10.79	10.16	0.63
	velocity		9.27		9.84	9.55		9.27	9.84	
<b>Price, Mike (USA) (1977)</b>	time		10.62		21.04	21.04	/ 4			
reaction time	interval				10.42		# of strides	10.62	10.42	0.20
	velocity		9.42		9.60	9.51		9.42	9.60	
<b>Thompson, Derrick (USA) (1972)</b>	time		10.53		21.06	21.06	/ 5			
reaction time	interval				10.53		# of strides	10.53	10.53	0.00
	velocity		9.50		9.50	9.50		9.50	9.50	

**Heat 2**date 21-Jun-96 wind 0.3 m/s *Hymans (2020) - history of the US olympic trials - track and field*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Marsh, Michael (USA) (1967)</b>	time		10.42		20.34	20.34	/ 1			
reaction time	interval				9.92		# of strides	10.42	9.92	0.50
	velocity		9.60		10.08	9.83		9.60	10.08	
<b>Maybank, Anthuan (USA) (1969)</b>	time		10.62		20.42	20.42	/ 2			
reaction time	interval				9.80		# of strides	10.62	9.80	0.82
	velocity		9.42		10.20	9.79		9.42	10.20	
<b>Bradley, Gentry (USA) (1974)</b>	time		10.55		20.48	20.48	/ 3			
reaction time	interval				9.93		# of strides	10.55	9.93	0.62
	velocity		9.48		10.07	9.77		9.48	10.07	
<b>Dopek, Dave (USA) (1973)</b>	time		10.60		20.49	20.49	/ 4			
reaction time	interval				9.89		# of strides	10.60	9.89	0.71
	velocity		9.43		10.11	9.76		9.43	10.11	
<b>Griffin, Rohsaan (USA) (1974)</b>	time		10.56		20.58	20.58	/ 5			
reaction time	interval				10.02		# of strides	10.56	10.02	0.54
	velocity		9.47		9.98	9.72		9.47	9.98	
<b>Rouser, Jason (USA) (1970)</b>	time		10.71		20.80	20.80	/ 6			
reaction time	interval				10.09		# of strides	10.71	10.09	0.62
	velocity		9.34		9.91	9.62		9.34	9.91	

**Heat 1**date 21-Jun-96 wind 1.1 m/s *Hymans (2020) - history of the US olympic trials - track and field*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Clay, Ramon (USA) (1975)</b>	time		10.34		20.12	20.12	/ 1			
reaction time	interval				9.78		# of strides	10.34	9.78	0.56
	velocity		9.67		10.22	9.94		9.67	10.22	
<b>Lewis, Carl (USA) (1961)</b>	time		10.38		20.30	20.30	/ 2			
reaction time	interval				9.92		# of strides	10.38	9.92	0.46
	velocity		9.63		10.08	9.85		9.63	10.08	

<b>Wheeler, Tony (USA) (1975)</b>	time	10.51	20.43	20.43	/ 3				
reaction time	interval		9.92		# of strides	10.51	9.92	0.59	
	velocity	9.51	10.08	9.79		9.51	10.08		
<b>Henderson, Kevin (USA) (1965)</b>	time	10.42	20.47	20.47	/ 4				
reaction time	interval		10.05		# of strides	10.42	10.05	0.37	
	velocity	9.60	9.95	9.77		9.60	9.95		
<b>Bridgewater, Brian (USA) (1970)</b>	time	10.53	20.57	20.57	/ 5				
reaction time	interval		10.04		# of strides	10.53	10.04	0.49	
	velocity	9.50	9.96	9.72		9.50	9.96		
<b>Nelloms, Chris (USA) (1971)</b>	time	10.50	20.58	20.58	/ 6				
reaction time	interval		10.08		# of strides	10.50	10.08	0.42	
	velocity	9.52	9.92	9.72		9.52	9.92		
<b>Cavitt, Cornelius (USA) (1974)</b>	time	10.61	20.67	20.67	/ 7				
reaction time	interval		10.06		# of strides	10.61	10.06	0.55	
	velocity	9.43	9.94	9.68		9.43	9.94		

**1996 DLV Leichtathletik-Gala (Duisburg, GER)****FINAL**

date 12-Jun-96 wind 2.0 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fredericks, Frank (NAM) (1967)</b>	time	5.85	10.37	15.06	19.96	19.96	/ 1			
reaction time	interval		4.52	4.69	4.90		# of strides	10.37	9.59	0.78
	velocity	8.55	11.06	10.66	10.20	10.02		9.64	10.43	

**1995 IAAF World Championships (Göteborg, SWE)****FINAL**

date 11-Aug-95 wind 0.5 m/s

Vazel (2011) - speed reserve in the 400m

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Johnson, Michael (USA) (1967)</b>	time		10.35		19.79	19.79	4 / 1			
reaction time	interval				9.44	<b>CR PB</b>	# of strides	10.35	9.44	0.91
	velocity		9.66		10.59	10.11	92.0	9.66	10.59	
<b>Fredricks, Frank (NAM) (1967)</b>		no information available				20.12	3 / 2		# of strides	88.0
<b>Williams, Jeff (USA) (1965)</b>		no information available				20.18	6 / 3		# of strides	85.5
<b>da Silva, Robson Caetano (BRA) (1964)</b>		no information available				20.21	5 / 4		# of strides	88.0
<b>da Silva, Claudinei (BRA) (1970)</b>		no information available				20.40	7 / 5		# of strides	86.5
<b>Moën, Geir (NOR) (1969)</b>		no information available				20.51	8 / 6		# of strides	85.0
<b>Regis, John (GBR) (1966)</b>		no information available				20.67	1 / 7		# of strides	91.0
<b>García, Iván (CUB) (1972)</b>		no information available				20.77	2 / 8		# of strides	91.5

**1994 DLV Leichtathletik-Gala (Duisburg, GER)****FINAL**

date 12-Jun-94 wind 2.8 m/s

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Johnson, Michael (USA) (1967)</b>	time	5.97	10.54	15.20	20.08	20.08	/ 1			
reaction time	interval		4.57	4.66	4.88		# of strides	10.54	9.54	1.00
	velocity	8.38	10.94	10.73	10.25	9.96		9.49	10.48	

**1993 IAAF World Championships (Stuttgart, GER)****FINAL**

date 20-Aug-93 wind 0.3 m/s

Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?

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

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Fredericks, Frank (NAM) (1967)</b>	time	5.86	10.39	14.99	19.85	19.85	5 / 1			
reaction time	0.213 interval		4.53	4.60	4.86	<b>CR AR</b>	# of strides	10.39	9.46	0.93
	velocity	8.53	11.04	10.87	10.29	10.08	88.7	9.62	10.57	
<b>Regis, John (GBR) (1966)</b>	time	5.84	10.28	14.93	19.94	19.94	6 / 2			
reaction time	0.155 interval		4.44	4.65	5.01	<b>NR</b>	# of strides	10.28	9.66	0.62
	velocity	8.56	11.26	10.75	9.98	10.03	89.5	9.73	10.35	
<b>Lewis, Carl (USA) (1961)</b>	time		10.31		19.99	19.99	7 / 3			
reaction time	interval				9.68		# of strides	10.31	9.68	0.63
	velocity		9.70		10.33	10.01	84.7	9.70	10.33	
<b>Marsh, Michael (USA) (1967)</b>	time		10.43		20.18	20.18	4 / 4			

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

reaction time	interval				9.75		# of strides	10.43	9.75	0.68
	velocity	9.59			10.26	9.91	85.0	9.59	10.26	
<b>Capobianco, Dean (AUS) (1970)</b>	time	5.82	10.36	15.13	20.16	20.18	3 / 5		<i>Veney - split times from PJ</i>	
reaction time	interval		4.54	4.77	5.03	<b>PB</b>	# of strides	10.36	9.80	0.56
	velocity	8.59	11.01	10.48	9.94	9.91	85.2	9.65	10.20	
<b>Trouabal, Jean-Charles (FRA) (1969)</b>	time	5.87	10.46	15.15	20.20	20.20	8 / 6		<i>Veney - split times from PJ</i>	
reaction time	interval		4.59	4.69	5.05	<b>PB</b>	# of strides	10.46	9.74	0.72
	velocity	8.52	10.89	10.66	9.90	9.90	85.5	9.56	10.27	
<b>Emmanuel, Tuffour (GHA) (1966)</b>	time		10.60		20.49	20.49	2 / 7		<i>Busemann (2001)</i>	
reaction time	interval				9.89		# of strides	10.60	9.89	0.71
	velocity	9.43			10.11	9.76	92.0	9.43	10.11	
<b>Marsh, Damien (AUS) (1971)</b>	time	5.95	10.62	15.37	20.51	20.56	1 / 8		<i>Veney - split times from PJ</i>	
reaction time	interval		4.67	4.75	5.14		# of strides	10.62	9.89	0.73
	velocity	8.40	10.71	10.53	9.73	9.73	89.7	9.42	10.11	

**Semi-Final 2**

	date	19-Aug-93	wind	0.1 m/s							<i>Veney - split times from PJ</i>
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tuffour, Emmanuel (GHA) (1966)</b>	time		6.02	10.68	15.40	20.44	20.44	8 / 3			
reaction time	interval			4.66	4.72	5.04		# of strides	10.68	9.76	0.92
	velocity		8.31	10.73	10.59	9.92	9.78		9.36	10.25	
<b>Dollé, David (SUI) (1969)</b>	time		6.13	10.86	15.63	20.70	20.70	3 / 6			
reaction time	interval			4.73	4.77	5.07		# of strides	10.86	9.84	1.02
	velocity		8.16	10.57	10.48	9.86	9.66		9.21	10.16	

**Semi-Final 1**

	date	19-Aug-93	wind	0.6 m/s							<i>Veney - split times from PJ</i>
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Boateng, Nelson (GHA) (1968)</b>	time		6.00	10.67	15.45	20.52	20.52	2 / 5			
reaction time	interval			4.67	4.78	5.07	<b>PB</b>	# of strides	10.67	9.85	0.82
	velocity		8.33	10.71	10.46	9.86	9.75		9.37	10.15	
<b>Kurnicki, Robert (GER) (1965)</b>	time		6.08	10.72	15.53	20.67	20.67	8 / 6			
reaction time	interval			4.64	4.81	5.14		# of strides	10.72	9.95	0.77
	velocity		8.22	10.78	10.40	9.73	9.68		9.33	10.05	

**1992 Olympic Games (Barcelona, ESP)****FINAL**

	date	06-Aug-92	wind	-1.0 m/s								
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Marsh, Michael (USA) (1967)</b>			no information available				20.01	4 / 1			# of strides	85.0
<b>Fredricks, Frank (NAM) (1967)</b>			no information available				20.13	5 / 2			# of strides	90.7
<b>Bates, Michael (USA) (1969)</b>			no information available				20.38	1 / 3			# of strides	89.2
<b>da Silva, Robson Caetano (BRA) (1964)</b>			no information available				20.45	6 / 4			# of strides	87.0
<b>Adeniken, Olapade (NGR) (1969)</b>			no information available				20.50	2 / 5			# of strides	90.0
<b>Regis, John (GBR) (1966)</b>			no information available				20.55	3 / 6			# of strides	91.2
<b>Kayode, Oluymi (NGR) (1968)</b>			no information available				20.67	7 / 7			# of strides	90.2
<b>Adam, Marcus (GBR) (1968)</b>			no information available				20.80	8 / 8			# of strides	91.2

**Semi-Final 1**

	date	06-Aug-92	wind	-0.2 m/s							<i>Hymans (2015) - progression of IAAF world records - 2015 edition</i>
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Marsh, Michael (USA) (1967)</b>	time				14.81	19.73	19.73	5 / 1			
reaction time	interval					4.92	<b>PB</b>	# of strides			
	velocity				10.13	10.16	10.14	82.7			

**1991 IAAF World Championships (Tokyo, JPN)****FINAL**

	date	27-Aug-91	wind	-3.4 m/s							<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Johnson, Michael (USA) (1967)</b>	time			10.21		20.01	20.01	3 / 1			
reaction time	interval					9.80	<b>CR</b>	# of strides	10.21	9.80	0.41
	velocity			9.79		10.20	10.00	93.0	9.79	10.20	
<b>Fredricks, Frank (NAM) (1967)</b>	time			10.36		20.34	20.34	4 / 2			

reaction time	interval		9.98		# of strides	10.36	9.98	0.38
	velocity	9.65	10.02	9.83	90.0	9.65	10.02	
<b>Mahorn, Atlee (CAN) (1965)</b>	time	10.45	20.49	20.49	5 / 3			
reaction time	interval		10.04		# of strides	10.45	10.04	0.41
	velocity	9.57	9.96	9.76	86.0	9.57	9.96	
<b>da Silva, Robson Caetano (BRA)</b>	time	10.47	20.49	20.49	1 / 4			
reaction time	interval		10.02		# of strides	10.47	10.02	0.45
	velocity	9.55	9.98	9.76	87.2	9.55	9.98	
<b>Adeniken, Olapade (NGR) (1968)</b>	time	10.40	20.51	20.51	2 / 5			
reaction time 0.173	interval		10.11		# of strides	10.40	10.11	0.29
	velocity	9.62	9.89	9.75	88.2	9.62	9.89	
<b>Trouabal, Jean-Charles (FRA) (1962)</b>	time	10.51	20.58	20.58	7 / 6			
reaction time	interval		10.07		# of strides	10.51	10.07	0.44
	velocity	9.51	9.93	9.72	85.2	9.51	9.93	
<b>Antonov, Nikolay (BUL) (1968)</b>	time	10.53	20.59	20.59	6 / 7			
reaction time 0.162	interval		10.06		# of strides	10.53	10.06	0.47
	velocity	9.50	9.94	9.71	84.5	9.50	9.94	
<b>Goremykin, Aleksandr (URS) (1968)</b>	time	10.49	20.78	20.78	8 / 8			
reaction time 0.159	interval		10.29		# of strides	10.49	10.29	0.20
	velocity	9.53	9.72	9.62	86.2	9.53	9.72	

**1991 European Cup (Frankfurt, GER)****FINAL**

date 30-Jun-91 wind -1.6 m/s

Federle (2003) - <http://www.fgs.uni-halle.de>

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Trouabal, Jean-Charles (FRA) (1962)</b>	time		10.52		20.60	20.60	/ 1			
reaction time	interval				10.08		# of strides	10.52	10.08	0.44
	velocity		9.51		9.92	9.71		9.51	9.92	
<b>Regis, John (GBR) (1966)</b>	time		10.61		20.73	20.73	/ 2			
reaction time	interval				10.12		# of strides	10.61	10.12	0.49
	velocity		9.43		9.88	9.65		9.43	9.88	
<b>Tilli, Stefano (ITA) (1962)</b>	time		10.69		20.79	20.79	/ 3			
reaction time	interval				10.10		# of strides	10.69	10.10	0.59
	velocity		9.35		9.90	9.62		9.35	9.90	
<b>Goremykin, Aleksandr (URS) (1968)</b>	time		10.71		20.83	20.83	/ 4			
reaction time	interval				10.12		# of strides	10.71	10.12	0.59
	velocity		9.34		9.88	9.60		9.34	9.88	
<b>Schwarthoff, Florian (GER) (1991)</b>	time		10.95		21.16	21.16	/ 5			
reaction time	interval				10.21		# of strides	10.95	10.21	0.74
	velocity		9.13		9.79	9.45		9.13	9.79	
<b>Antonov, Nikolay (BUL) (1968)</b>	time		10.96		21.37	21.37	/ 6			
reaction time	interval				10.41		# of strides	10.96	10.41	0.55
	velocity		9.12		9.61	9.36		9.12	9.61	
<b>Roun, Jindrich (CZE) (1965)</b>	time		11.01		21.39	21.39	/ 7			
reaction time	interval				10.38		# of strides	11.01	10.38	0.63
	velocity		9.08		9.63	9.35		9.08	9.63	
<b>Molnár, Tamás (HUN) (1968)</b>	time		10.93		21.39	21.39	/ 8			
reaction time	interval				10.46		# of strides	10.93	10.46	0.47
	velocity		9.15		9.56	9.35		9.15	9.56	

**1989 IAAF World Cup (Barcelona, ESP)****FINAL**

date 10-Sep-89 wind 1.9 m/s

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

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

<b>da Silva, Robson Caetano (BRA)</b>	time	10.41	15.07	20.00	20.00	/ 1			
reaction time	0.235	interval	4.66	4.93		# of strides	10.41	9.59	0.82
		velocity	9.61	10.73	10.14	10.00	9.61	10.43	
<b>Heard, Floyd (USA) (1966)</b>	time	10.40	15.17	20.36	20.36	/ 2			
reaction time	0.158	interval	4.77	5.19		# of strides	10.40	9.96	0.44
		velocity	9.62	10.48	9.63	9.82	9.62	10.04	
<b>Adeniken, Olapade (NGR) (1968)</b>	time	10.49	15.29	20.38	20.38	/ 3			
reaction time	0.264	interval	4.80	5.09		# of strides	10.49	9.89	0.60
		velocity	9.53	10.42	9.82	9.81	9.53	10.11	
<b>Tilli, Stefano (ITA) (1962)</b>	time	10.54	15.35	20.41	20.41	/ 4			
reaction time	0.157	interval	4.81	5.06		# of strides	10.54	9.87	0.67
		velocity	9.49	10.40	9.88	9.80	9.49	10.13	
<b>Adam, Marcus (GBR) (1968)</b>	time	10.56	15.45	20.67	20.67	/ 5			
reaction time	0.162	interval	4.89	5.22		# of strides	10.56	10.11	0.45
		velocity	9.47	10.22	9.58	9.68	9.47	9.89	
<b>Bringmann, Steffen (GDR) (1968)</b>	time	10.61	15.55	20.74	20.74	/ 6			
reaction time	0.172	interval	4.94	5.19	<b>PB</b>	# of strides	10.61	10.13	0.48
		velocity	9.43	10.12	9.63	9.64	9.43	9.87	
<b>Jackson, Tim (AUS) (1969)</b>	time	10.75	15.61	20.93	20.93	/ 7			
reaction time	0.292	interval	4.86	5.32		# of strides	10.75	10.18	0.57
		velocity	9.30	10.29	9.40	9.56	9.30	9.82	
<b>Gómez, Miguel Ángel (ESP) (1992)</b>	time	10.97	15.85	20.98	20.98	/ 8			
reaction time	0.278	interval	4.88	5.13		# of strides	10.97	10.01	0.96
		velocity	9.12	10.25	9.75	9.53	9.12	9.99	
<b>Jang Jae-Keun (KOR) (1962)</b>	time	10.87	15.91	21.25	21.25	/ 9			
reaction time	0.283	interval	5.04	5.34		# of strides	10.87	10.38	0.49
		velocity	9.20	9.92	9.36	9.41	9.20	9.63	

**1988 Olympic Games (Seoul, KOR)****FINAL**

date 28-Sep-88 wind 1.7 m/s Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>DeLoach, Joe (USA) (1967)</b>	time	5.81	10.35	14.97	19.75	19.75	6 / 1			
reaction time	0.185	interval	4.54	4.62	4.78	<b>OR / PB</b>	# of strides	10.35	9.40	0.95
		velocity	8.61	11.01	10.82	10.13	85.6	9.66	10.64	
<b>Lewis, Carl (USA) (1961)</b>	time	5.76	10.31	14.97	19.79	19.79	3 / 2			
reaction time	0.116	interval	4.55	4.66	4.82		# of strides	10.31	9.48	0.83
		velocity	8.68	10.99	10.73	10.11	84.4	9.70	10.55	
<b>da Silva, Robson Caetano (BRA)</b>	time	5.84	10.41	15.11	20.04	20.04	4 / 3			
reaction time	0.223	interval	4.57	4.70	4.93	<b>PB</b>	# of strides	10.41	9.63	0.78
		velocity	8.56	10.94	10.64	10.14	86.8	9.61	10.38	
<b>Christie, Linford (GBR) (1960)</b>	time	5.81	10.41	15.09	20.09	20.09	5 / 4			
reaction time	0.160	interval	4.60	4.68	5.00	<b>PB</b>	# of strides	10.41	9.68	0.73
		velocity	8.61	10.87	10.68	10.00	84.3	9.61	10.33	
<b>Mahorn, Atlee (CAN) (1965)</b>	time	5.88	10.60	15.35	20.39	20.39	2 / 5			
reaction time	0.159	interval	4.72	4.75	5.04		# of strides	10.60	9.79	0.81
		velocity	8.50	10.59	10.53	9.92	85.0	9.43	10.21	
<b>Quénéhervé, Gilles (FRA) (1966)</b>	time	5.95	10.65	15.44	20.40	20.40	1 / 6			
reaction time	0.190	interval	4.70	4.79	4.96		# of strides	10.65	9.75	0.90
		velocity	8.40	10.64	10.44	10.08	89.7	9.39	10.26	
<b>Rosswess, Michael (GBR) (1965)</b>	time	6.02	10.70	15.49	20.51	20.51	8 / 7			
reaction time	0.185	interval	4.68	4.79	5.02		# of strides	10.70	9.81	0.89
		velocity	8.31	10.68	10.44	9.96	89.3	9.35	10.19	

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

<b>Marie-Rose, Bruno (FRA) (1965)</b>	time	6.00	10.69	15.56	20.58	20.58	7 / 8				
	reaction time	0.232	interval	4.69	4.87	5.02	# of strides	10.69	9.89	0.80	
			velocity	8.33	10.66	10.27	9.96	9.72	88.8	9.35	10.11

**Semi-Final 2**

date 28-Sep-88

wind 1.6 m/s

*Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>DeLoach, Joe (USA) (1967)</b>	time	5.93	10.49	15.15	20.06	20.06	6 / 1			
	reaction time	0.213	interval	4.56	4.66	4.91	# of strides	10.49	9.57	0.92
			velocity	8.43	10.96	10.73	10.18	9.97	9.53	10.45
<b>Christie, Linford (GBR) (1960)</b>	time	5.85	10.49	15.24	20.33	20.33	3 / 2			
	reaction time	0.164	interval	4.64	4.75	5.09	<b>PB</b> # of strides	10.49	9.84	0.65
			velocity	8.55	10.78	10.53	9.82	9.84	9.53	10.16
<b>Marie-Rose, Bruno (FRA) (1965)</b>	time	5.94	10.59	15.37	20.50	20.50	5 / 3			
	reaction time	0.207	interval	4.65	4.78	5.13	# of strides	10.59	9.91	0.68
			velocity	8.42	10.75	10.46	9.75	9.76	9.44	10.09
<b>Rosswess, Michael (GBR) (1965)</b>	time	5.97	10.60	15.41	20.51	20.51	7 / 4			
	reaction time	0.174	interval	4.63	4.81	5.10	# of strides	10.60	9.91	0.69
			velocity	8.38	10.80	10.40	9.80	9.75	9.43	10.09
<b>Enweani, Cyprean (CAN) (1964)</b>	time	5.93	10.59	15.37	20.57	20.57	4 / 5			
	reaction time	0.170	interval	4.66	4.78	5.20	# of strides	10.59	9.98	0.61
			velocity	8.43	10.73	10.46	9.62	9.72	9.44	10.02
<b>Adeniken, Olapade (NGR) (1969)</b>	time	6.04	10.63	15.45	20.67	20.67	8 / 6			
	reaction time	0.284	interval	4.59	4.82	5.22	# of strides	10.63	10.04	0.59
			velocity	8.28	10.89	10.37	9.58	9.68	9.41	9.96
<b>Guilbe, Edgardo (PUR) (1966)</b>	time	5.96	10.61	15.53	20.77	20.77	2 / 7			
	reaction time	0.234	interval	4.65	4.92	5.24	# of strides	10.61	10.16	0.45
			velocity	8.39	10.75	10.16	9.54	9.63	9.43	9.84
<b>Douglas, Troy (BER) (1962)</b>	time	6.06	10.81	15.65	20.84	20.84	1 / 8			
	reaction time	0.169	interval	4.75	4.84	5.19	# of strides	10.81	10.03	0.78
			velocity	8.25	10.53	10.33	9.63	9.60	9.25	9.97

**Semi-Final 1**

date 28-Sep-88

wind 1.5 m/s

*Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad*

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lewis, Carl (USA) (1961)</b>	time	5.95	10.53	15.25	20.23	20.23	4 / 1			
	reaction time	0.219	interval	4.58	4.72	4.98	# of strides	10.53	9.70	0.83
			velocity	8.40	10.92	10.59	10.04	9.89	9.50	10.31
<b>da Silva, Robson Caetano (BRA) (1966)</b>	time	5.84	10.47	15.25	20.28	20.28	3 / 2			
	reaction time	0.213	interval	4.63	4.78	5.03	# of strides	10.47	9.81	0.66
			velocity	8.56	10.80	10.46	9.94	9.86	9.55	10.19
<b>Mahorn, Atlee (CAN) (1965)</b>	time	5.93	10.55	15.35	20.43	20.43	6 / 3			
	reaction time	0.250	interval	4.62	4.80	5.08	# of strides	10.55	9.88	0.67
			velocity	8.43	10.82	10.42	9.84	9.79	9.48	10.12
<b>Quénéhervé, Gilles (FRA) (1966)</b>	time	6.02	10.65	15.45	20.54	20.54	8 / 4			
	reaction time	0.250	interval	4.63	4.80	5.09	# of strides	10.65	9.89	0.76
			velocity	8.31	10.80	10.42	9.82	9.74	9.39	10.11
<b>Tilli, Stefano (ITA) (1962)</b>	time	5.86	10.55	15.43	20.59	20.59	2 / 5			
	reaction time	0.185	interval	4.69	4.88	5.16	# of strides	10.55	10.04	0.51
			velocity	8.53	10.66	10.25	9.69	9.71	9.48	9.96
<b>Martin, Roy (USA) (1966)</b>	time	6.14	10.75	15.51	20.62	20.62	5 / 6			
	reaction time	0.298	interval	4.61	4.76	5.11	# of strides	10.75	9.87	0.88
			velocity	8.14	10.85	10.50	9.78	9.70	9.30	10.13
<b>Regis, John (GBR) (1966)</b>	time	5.96	10.64	15.45	20.69	20.69	1 / 7			

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



reaction time	0.207	interval	4.68	4.81	5.24		# of strides	10.64	10.05	0.59
		velocity	8.39	10.68	10.40	9.54	9.67	9.40	9.95	
<b>Lübke, Ralf (FRG) (1965)</b>	time	6.22	11.06	16.05	21.23	21.23	7 / 8			
reaction time	0.258	interval	4.84	4.99	5.18		# of strides	11.06	10.17	0.89
		velocity	8.04	10.33	10.02	9.65	9.42	9.04	9.83	

**1988 USA Olympic Trials (Indianapolis, IN)****FINAL**

	date	20-Jul-88	wind	1.0 m/s	<i>Hymans (2008) - history of the US olympic trials - track and field</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>DeLoach, Joe (USA) (1967)</b>	time			10.3		19.96	19.96	5 / 1			
reaction time						9.7	<b>PB</b>	# of strides	10.30	9.66	0.64
				9.71		10.35	10.02		9.71	10.35	
<b>Lewis, Carl (USA) (1961)</b>	time			10.3		20.01	20.01	6 / 2			
reaction time						9.7		# of strides	10.30	9.71	0.59
				9.71		10.30	10.00		9.71	10.30	
<b>Martin, Roy (USA) (1966)</b>	time			10.4		20.05	20.05	4 / 3			
reaction time						9.7	<b>PB</b>	# of strides	10.40	9.65	0.75
				9.62		10.36	9.98		9.62	10.36	
<b>Robinson, Albert (USA) (1964)</b>	time			10.5		20.05	20.05	3 / 4			
reaction time						9.6		# of strides	10.50	9.55	0.95
				9.52		10.47	9.98		9.52	10.47	
<b>Smith, Calvin (USA) (1961)</b>	time			10.5		20.27	20.27	2 / 5			
reaction time						9.8		# of strides	10.50	9.77	0.73
				9.52		10.24	9.87		9.52	10.24	
<b>Butler, James (USA) (1960)</b>				no information available			20.42	8 / 6			
<b>Thomas, Henry (USA) (1967)</b>				no information available			20.49	1 / 7			
<b>Heard, Floyd (USA) (1966)</b>				no information available			20.64	7 / 8			

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

	date	03-Sep-87	wind	-0.4 m/s	<i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Smith, Calvin (USA) (1961)</b>	time		5.98	10.63	15.29	20.16	20.16	8 / 1			
reaction time	0.284			4.65	4.66	4.87		# of strides	10.63	9.53	1.10
			8.36	10.75	10.73	10.27	9.92	86.0	9.41	10.49	
<b>Quénéhervé, Gilles (FRA) (1966)</b>	time		5.96	10.57	15.25	20.16	20.16	6 / 2			
reaction time	0.207			4.61	4.68	4.91	<b>NR</b>	# of strides	10.57	9.59	0.98
			8.39	10.85	10.68	10.18	9.92	88.5	9.46	10.43	
<b>Regis, John (GBR) (1966)</b>	time		5.89	10.53	15.21	20.18	20.18	2 / 3			
reaction time	0.146			4.64	4.68	4.97	<b>PB</b>	# of strides	10.53	9.65	0.88
			8.49	10.78	10.68	10.06	9.91	88.0	9.50	10.36	
<b>da Silva, Robson Caetano (BRA) (1966)</b>	time			10.50	15.22	20.22	20.22	4 / 4			
reaction time	0.254				4.72	5.00		# of strides	10.50	9.72	0.78
				9.52	10.59	10.00	9.89	88.2	9.52	10.29	
<b>Krylov, Vladimir (URS) (1964)</b>	time		5.87	10.52	15.22	20.23	20.23	5 / 5		<i>Veney - split times from PJ</i>	
reaction time				4.65	4.70	5.01	<b>NR</b>	# of strides	10.52	9.71	0.81
			8.52	10.75	10.64	9.98	9.89	85.5	9.51	10.30	
<b>Heard, Floyd (USA) (1966)</b>	time			10.66		20.25	20.25	3 / 6			
reaction time						9.59		# of strides	10.66	9.59	1.07
				9.38		10.43	9.88	90.0	9.38	10.43	
<b>Pavoni, Pierfrancesco (ITA) (1966)</b>	time		5.93	10.65	15.37	20.45	20.45	7 / 7		<i>Veney - split times from PJ</i>	
reaction time				4.72	4.72	5.08		# of strides	10.65	9.80	0.85
			8.43	10.59	10.59	9.84	9.78	86.2	9.39	10.20	

<b>Mahorn, Altee (CAN) (1965)</b>	time		10.85		20.78	20.78	1 / 8			
reaction time	interval				9.93		# of strides	10.85	9.93	0.92
	velocity		9.22		10.07	9.62	84.0	9.22	10.07	

**Semi-Final 2**date 03-Sep-87 wind 1.2 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Quénéhervé, Gilles (FRA) (1966)</b>	time		6.01	10.70	15.34	20.31	20.31	5 / 1			
reaction time	0.264	interval		4.69	4.64	4.97		# of strides	10.70	9.61	1.09
		velocity	8.32	10.66	10.78	10.06	9.85	90.5	9.35	10.41	

**Semi-Final 1**date 03-Sep-87 wind 0.5 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Regis, John (GBR) (1966)</b>	time		5.99	10.69	15.45	20.54	20.54	5 / 1			
reaction time	0.195	interval		4.70	4.76	5.09		# of strides	10.69	9.85	0.84
		velocity	8.35	10.64	10.50	9.82	9.74	87.7	9.35	10.15	

<b>Smith, Calvin (USA) (1961)</b>	time		6.02	10.76	15.54	20.54	20.54	6 / 2			
reaction time	0.256	interval		4.74	4.78	5.00		# of strides	10.76	9.78	0.98
		velocity	8.31	10.55	10.46	10.00	9.74	87.5	9.29	10.22	

**Quarter-Final 3**date 01-Sep-87 wind 0.4 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Quénéhervé, Gilles (FRA) (1966)</b>	time		5.94	10.72	15.46	20.48	20.48	4 / 1			
reaction time	0.271	interval		4.78	4.74	5.02		# of strides	10.72	9.76	0.96
		velocity	8.42	10.46	10.55	9.96	9.77	89.7	9.33	10.25	

<b>Regis, John (GBR) (1966)</b>	time		5.99	10.64	15.42	20.60	20.60	5 / 3			
reaction time	0.248	interval		4.65	4.78	5.18		# of strides	10.64	9.96	0.68
		velocity	8.35	10.75	10.46	9.65	9.71	88.0	9.40	10.04	

**Quarter-Final 2**date 01-Sep-87 wind 1.3 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Smith, Calvin (USA) (1961)</b>	time		5.89	10.55	15.33	20.38	20.38	3 / 1			
reaction time	0.246	interval		4.66	4.78	5.05		# of strides	10.55	9.83	0.72
		velocity	8.49	10.73	10.46	9.90	9.81	86.2	9.48	10.17	

**Heat 6**date 01-Sep-87 wind 0.3 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Regis, John (GBR) (1966)</b>	time		6.05	10.67	15.54	20.76	20.76	/ 1			
reaction time	0.225	interval		4.62	4.87	5.22		# of strides	10.67	10.09	0.58
		velocity	8.26	10.82	10.27	9.58	9.63		9.37	9.91	

**Heat 5**date 01-Sep-87 wind -0.8 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Smith, Calvin (USA) (1961)</b>	time		5.92	10.56	15.39	20.62	20.62	/ 1			
reaction time	0.246	interval		4.64	4.83	5.23		# of strides	10.56	10.06	0.50
		velocity	8.45	10.78	10.35	9.56	9.70		9.47	9.94	

**Heat 3**date 01-Sep-87 wind -0.1 m/s *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Quénéhervé, Gilles (FRA) (1966)</b>	time		5.95	10.56	15.44	20.59	20.59	/ 1			
reaction time	0.193	interval		4.61	4.88	5.15		# of strides	10.56	10.03	0.53
		velocity	8.40	10.85	10.25	9.71	9.71		9.47	9.97	

**1986 European Championships (Stuttgart, FRG)****Semi-Final 2**date 28-Aug-86 wind 0.0 m/s *Veney - split times from PJ*

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Evers, Jürgen (FRG) (1965)</b>	time			10.51		20.58	20.58	/ 2			
reaction time	0.181	interval				10.07		# of strides	10.51	10.07	0.44
		velocity		9.51		9.93	9.72		9.51	9.93	

<b>Fedoriv, Andrey (URS) (1963)</b>	time			10.47		20.60	20.60	/ 3			
reaction time	0.169	interval				10.13		# of strides	10.47	10.13	0.34

velocity	9.55	9.87	9.71	9.55	9.87
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<b>Prenzler, Olaf (GDR) (1958)</b>	time	10.50	20.68	20.68	/ 4			
reaction time	0.156	interval	10.18		# of strides	10.50	10.18	0.32
	velocity	9.52	9.82	9.67		9.52	9.82	

**Semi-Final 1**

date 28-Aug-86 wind 0.0 m/s

Veney - split times from PJ

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Schröder, Thomas (GDR) (1962)</b>	time		10.51		20.54	20.54	/ 1			
reaction time	0.176	interval			10.03	<b>PB</b>	# of strides	10.51	10.03	0.48
	velocity	9.51	9.97	9.74				9.51	9.97	
<b>Yevgenyev, Aleksandr (URS) (1962)</b>	time		10.44		20.66	20.66	/ 2			
reaction time	0.167	interval			10.22		# of strides	10.44	10.22	0.22
	velocity	9.58	9.78	9.68				9.58	9.78	
<b>Westhagemann, Volker (FRG) (1962)</b>	time		10.79		21.04	21.04	/ 7			
reaction time	0.275	interval			10.25		# of strides	10.79	10.25	0.54
	velocity	9.27	9.76	9.51				9.27	9.76	

**1986 IAAF World Junior Championships (Athens, GRE)****FINAL**

date 19-Jul-86 wind 0.2 m/s

Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kerr, Stanley (USA) (1967)</b>	time		10.72	15.72	20.74	20.74	/ 1			
reaction time		interval		5.00	5.02	<b>CR</b>	# of strides	10.72	10.02	0.70
	velocity	9.33	10.00	9.96	9.64			9.33	9.98	
<b>Florence, Derrick (USA) (1968)</b>	time		10.75	15.72	21.12	21.12	/ 2			
reaction time		interval		4.97	5.40		# of strides	10.75	10.37	0.38
	velocity	9.30	10.06	9.26	9.47			9.30	9.64	
<b>McBain, Steve (AUS) (1967)</b>	time		10.75	15.81	21.21	21.21	/ 3			
reaction time		interval		5.06	5.40		# of strides	10.75	10.46	0.29
	velocity	9.30	9.88	9.26	9.43			9.30	9.56	
<b>Anotonov, Nikolay (BUL) (1968)</b>			no information available			21.37	/ 4			
<b>Goedluck, Phil (GBR) (1967)</b>			no information available			21.38	/ 5			
<b>Kaniecki, Jaroslaw (POL) (1967)</b>			no information available			21.46	/ 6			
<b>Newbold, Michael (BAH) (1967)</b>			no information available			21.50	/ 7			
<b>Ryznar, Ivo (CZE) (1967)</b>			no information available			21.71	/ 8			

**1984 Olympic Games (Los Angeles, CA)****FINAL**

date 08-Aug-84 wind -0.9 m/s

Vogel (1984) - olympische spiele in los angeles

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lewis, Carl (USA) (1961)</b>	time		10.23		19.80	19.80	7 / 1			
reaction time	0.177	interval			9.57	<b>OR</b>	# of strides	10.23	9.57	0.66
	velocity	9.78	10.45	10.10			84.0	9.78	10.45	
<b>Baptiste, Kirk (USA) (1963)</b>	time		10.41		19.96	19.96	3 / 2			
reaction time	0.153	interval			9.55	<b>PB</b>	# of strides	10.41	9.55	0.86
	velocity	9.61	10.47	10.02				9.61	10.47	
<b>Jefferson, Thomas (USA) (1962)</b>	time		10.43		20.26	20.26	4 / 3			
reaction time	0.180	interval			9.83	<b>PB</b>	# of strides	10.43	9.83	0.60
	velocity	9.59	10.17	9.87				9.59	10.17	
<b>da Silva, João Eugênio (BRA) (1963)</b>	time		10.47		20.30	20.30	8 / 4			
reaction time	0.165	interval			9.83		# of strides	10.47	9.83	0.64
	velocity	9.55	10.17	9.85				9.55	10.17	
<b>Lübke, Ralf (FRG) (1965)</b>	time		10.72		20.51	20.51	6 / 5			
reaction time	0.191	interval			9.79		# of strides	10.72	9.79	0.93
	velocity	9.33	10.21	9.75				9.33	10.21	
<b>Boussemart, Jean-Jacques (FR) (1963)</b>	time		10.58		20.55	20.55	2 / 6			

reaction time	0.191	interval		9.97		# of strides	10.58	9.97	0.61
		velocity	9.45	10.03	9.73		9.45	10.03	
<b>Mennea, Pietro (ITA) (1952)</b>	time		10.50	20.55	20.55	<b>5 / 7</b>			
reaction time	0.170	interval		10.05		# of strides	10.50	10.05	0.45
		velocity	9.52	9.95	9.73		9.52	9.95	
<b>Mafe, Ade (GBR) (1966)</b>	time		10.69	20.85	20.85	1 / 8			
reaction time	0.195	interval		10.16		# of strides	10.69	10.16	0.53
		velocity	9.35	9.84	9.59		9.35	9.84	

**Quarter-Final 4**

date	06-Aug-84	wind	-0.3 m/s						<i>Veney - split times from PJ</i>	
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Young, Aguston (JAM) (1961)</b>	time		10.45		20.75	20.75	7 / 3			
reaction time		interval			10.30		# of strides	10.45	10.30	0.15
		velocity	9.57		9.71	9.64		9.57	9.71	

**Heat 4**

date	06-Aug-84	wind	1.4 m/s						<i>Veney - split times from PJ</i>	
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Williams, Desai (CAN) (1959)</b>	time		10.31		20.70	20.70	7 / 2			
reaction time		interval			10.39		# of strides	10.31	10.39	-0.08
		velocity	9.70		9.62	9.66		9.70	9.62	

**1984 Olympischen Tag (Potsdam, GDR)****FINAL**

date	21-Jul-84	wind	0.6 m/s						<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen</i>	
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Emmelman, Frank (GDR) (1961)</b>	time		10.49		20.46	20.46	1 / 1			
reaction time		interval			9.97		# of strides	10.49	9.97	0.52
		velocity	9.53		10.03	9.78		9.53	10.03	

**1984 USA Olympic Trials (Los Angeles, CA)****FINAL**

date	21-Jun-84	wind	-0.2 m/s						<i>Hymans (2008) - history of the US olympic trials - track and field</i>	
		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Lewis, Carl (USA) (1961)</b>	time		10.23		19.86	19.86	5 / 1			
reaction time		interval			9.63		# of strides	10.23	9.63	0.60
		velocity	9.78		10.38	10.07		9.78	10.38	
<b>Baptiste, Kirk (USA) (1963)</b>	time		10.36		20.05	20.05	8 / 2			
reaction time		interval			9.69	<b>PB</b>	# of strides	10.36	9.69	0.67
		velocity	9.65		10.32	9.98		9.65	10.32	
<b>Jefferson, Thomas (USA) (1962)</b>	time		10.48		20.37	20.37	3 / 3			
reaction time		interval			9.89	<b>=PB</b>	# of strides	10.48	9.89	0.59
		velocity	9.54		10.11	9.82		9.54	10.11	
<b>Martin, Roy (USA) (1966)</b>	time		10.51		20.43	20.43	2 / 4			
reaction time		interval			9.92		# of strides	10.51	9.92	0.59
		velocity	9.51		10.08	9.79		9.51	10.08	
<b>Quow, Elliott (USA) (1962)</b>	time		10.39		20.47	20.47	6 / 5			
reaction time		interval			10.08		# of strides	10.39	10.08	0.31
		velocity	9.62		9.92	9.77		9.62	9.92	
<b>Myricks, Larry (USA) (1956)</b>	time		10.39		20.50	20.50	4 / 6			
reaction time		interval			10.11		# of strides	10.39	10.11	0.28
		velocity	9.62		9.89	9.76		9.62	9.89	
<b>Robinson, Albert (USA) (1964)</b>	time		10.57		20.51	20.51	1 / 7			
reaction time		interval			9.94		# of strides	10.57	9.94	0.63
		velocity	9.46		10.06	9.75		9.46	10.06	
<b>Evans, Dwayne (USA) (1958)</b>	time		10.40		20.67	20.67	7 / 8			
reaction time		interval			10.27		# of strides	10.40	10.27	0.13
		velocity	9.62		9.74	9.68		9.62	9.74	

## Semi-Final 2

		date	wind	Hymans (2020) - history of the US olympic trials - track and field								
		21-Jun-84	-0.6 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Quow, Elliott (USA) (1962)</b>	time				10.47		20.56	20.56	/ 1			
	reaction time						10.09		# of strides	10.47	10.09	0.38
	velocity			9.55		9.91	9.73			9.55	9.91	
<b>Robinson, Albert (USA) (1964)</b>	time				10.59		20.59	20.59	/ 2			
	reaction time						10.00		# of strides	10.59	10.00	0.59
	velocity			9.44		10.00	9.71			9.44	10.00	
<b>Martin, Roy (USA) (1966)</b>	time				10.61		20.60	20.60	/ 3			
	reaction time						9.99		# of strides	10.61	9.99	0.62
	velocity			9.43		10.01	9.71			9.43	10.01	
<b>Jefferson, Thomas (USA) (1962)</b>	time				10.61		20.64	20.64	/ 4			
	reaction time						10.03		# of strides	10.61	10.03	0.58
	velocity			9.43		9.97	9.69			9.43	9.97	
<b>Smith, Calvin (USA) (1961)</b>	time				10.54		20.65	20.65	/ 5			
	reaction time						10.11		# of strides	10.54	10.11	0.43
	velocity			9.49		9.89	9.69			9.49	9.89	

## Semi-Final 1

		date	wind	Hymans (2020) - history of the US olympic trials - track and field								
		21-Jun-84	-1.3 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lewis, Carl (USA) (1961)</b>	time				10.25		20.09	20.09	/ 1			
	reaction time						9.84		# of strides	10.25	9.84	0.41
	velocity			9.76		10.16	9.96			9.76	10.16	
<b>Baptiste, Kirk (USA) (1963)</b>	time				10.42		20.46	20.46	/ 2			
	reaction time						10.04		# of strides	10.42	10.04	0.38
	velocity			9.60		9.96	9.78			9.60	9.96	
<b>Myricks, Larry (USA) (1956)</b>	time				10.44		20.73	20.73	/ 3			
	reaction time						10.29		# of strides	10.44	10.29	0.15
	velocity			9.58		9.72	9.65			9.58	9.72	
<b>Evans, Dwayne (USA) (1958)</b>	time				10.50		20.75	20.75	/ 4			
	reaction time						10.25		# of strides	10.50	10.25	0.25
	velocity			9.52		9.76	9.64			9.52	9.76	

## 1983 IAAF World Championships (Helsinki, FIN)

## FINAL

		date	wind	Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints								
		14-Aug-83	1.2 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Smith, Calvin (USA) (1961)</b>	time				10.30	15.10	20.14	20.14	3 / 1			
	reaction time	0.244				4.80	5.04	CR	# of strides	10.30	9.84	0.46
	velocity			9.71	10.42	9.92	9.93	9.93	86.2	9.71	10.16	
<b>Quow, Elliott (USA) (1962)</b>	time				10.54	15.31	20.41	20.41	6 / 2			
	reaction time	0.213				4.77	5.10		# of strides	10.54	9.87	0.67
	velocity			9.49	10.48	9.80	9.80	9.80	86.2	9.49	10.13	
<b>Mennea, Pietro (ITA) (1952)</b>	time				10.56	15.31	20.51	20.51	5 / 3			
	reaction time	0.222				4.75	5.20		# of strides	10.56	9.95	0.61
	velocity			9.47	10.53	9.62	9.75	9.75	92.0	9.47	10.05	
<b>Wells, Allan (GBR) (1952)</b>	time				10.43	15.33	20.52	20.52	4 / 4			
	reaction time	0.213				4.90	5.19		# of strides	10.43	10.09	0.34
	velocity			9.59	10.20	9.63	9.75	9.75	91.0	9.59	9.91	
<b>Emmelmann, Frank (GDR) (196)</b>	time				10.44	15.32	20.55	20.55	7 / 5			
	reaction time	0.194				4.88	5.23		# of strides	10.44	10.11	0.33
	velocity			9.58	10.25	9.56	9.73	9.73	88.2	9.58	9.89	
<b>Egbunike, Innocent (NGR) (196)</b>	time				10.45	15.38	20.63	20.63	2 / 6			
	reaction time	0.210				4.93	5.25		# of strides	10.45	10.18	0.27
	interval											

velocity	9.57	10.14	9.52	9.69	86.5	9.57	9.82
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<b>Simionato, Carlo (ITA) (1961)</b>	time	10.68	15.52	20.69	20.69	1 / 7			
reaction time	0.161	interval	4.84	5.17		# of strides	10.68	10.01	0.67
	velocity	9.36	10.33	9.67	9.67	88.7	9.36	9.99	
<b>da Silva, João Eugênio (BRA) (1958)</b>	time	10.60	15.51	20.80	20.80	8 / 8			
reaction time	0.211	interval	4.91	5.29		# of strides	10.60	10.20	0.40
	velocity	9.43	10.18	9.45	9.62	87.2	9.43	9.80	

### 1982 European Championships (Athens, GRE)

#### FINAL

date	09-Sep-82	wind	-0.6 m/s	<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Prenzler, Olaf (GDR) (1958)</b>	time		10.42		20.46	20.46	/ 1			
reaction time					10.04	<b>PB</b>	# of strides	10.42	10.04	0.38
	velocity		9.60		9.96	9.78		9.60	9.96	

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

#### FINAL

date	10-Jul-82	wind	1.7 m/s	<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Butler, James (USA) (1960)</b>	time		10.37		20.32	20.32	/ 1			
reaction time					9.95		# of strides	10.37	9.95	0.42
	velocity		9.64		10.05	9.84		9.64	10.05	
<b>Wright, Terron (USA) (1958)</b>	time		10.47		20.39	20.39	/ 2			
reaction time					9.92		# of strides	10.47	9.92	0.55
	velocity		9.55		10.08	9.81		9.55	10.08	

### 1981 IAAF World Cup (Rome, ITA)

#### FINAL

date	06-Sep-81	wind	0.1 m/s	<i>Butler (2010) - 1st/IAAF VTB bank continental cup, IAAF statistics handbook - split 2010</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Lattany, Mel (USA) (1959)</b>	time		10.5		20.21	20.21	/ 1			
reaction time					9.71		# of strides	10.50	9.71	0.79
	velocity		9.52		10.30	9.90		9.52	10.30	
<b>Wells, Allan (GBR) (1952)</b>			no information available			20.53	/ 2			
<b>Emmelmann, Frank (GDR) (1961)</b>			no information available			20.57	/ 3			
<b>Quarrie, Don (JAM) (1951)</b>			no information available			20.66	/ 4			
<b>Bongiorni, Giovanni (ITA) (1956)</b>			no information available			21.11	/ 5			
<b>Naumenko, Yuriy (URS) (1956)</b>			no information available			21.13	/ 6			
<b>Kablan, Degnan (CIV) (1953)</b>			no information available			21.20	/ 7			
<b>Toyota, Toshio (JPN) (1956)</b>			no information available			21.39	/ 8			
<b>van Miltenburg, Peter (AUS) (1957)</b>			no information available			21.88	/ 9			

### 1980 Olympic Games (Moscow, URS)

#### FINAL

date	28-Jul-80	wind	0.9 m/s
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mennea, Pietro (ITA) (1952)</b>			no information available			20.19	8 / 1		# of strides	89.0
<b>Wells, Allan (GBR) (1952)</b>			no information available			20.21	7 / 2		# of strides	91.0
<b>Quarrie, Don (JAM) (1951)</b>			no information available			20.29	4 / 3		# of strides	90.0
<b>Leonard, Silvio (CUB) (1955)</b>			no information available			20.30	1 / 4		# of strides	88.5
<b>Hoff, Bernhard (GDR) (1959)</b>			no information available			20.50	3 / 5		# of strides	88.7
<b>Dunecki, Leszek (POL) (1956)</b>			no information available			20.68	5 / 6		# of strides	
<b>Woronin, Marian (POL) (1956)</b>			no information available			20.81	2 / 7		# of strides	
<b>Lara, Osvaldo (CUB) (1955)</b>			no information available			21.19	6 / 8		# of strides	

### 1979 Universiade (Mexico City, MEX) (Altitude)

#### Final

date	12-Sep-79	wind	1.8 m/s	<i>Vittori (2003) - l'allenamento delle specialità di corsa veloce per gli atleti d'élite</i>					
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		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mennea, Pietro (ITA) (1952)</b>	time		10.29		19.72	19.72	/ 1			
reaction time					9.43	<b>WR</b>	# of strides	10.29	9.43	0.86
	velocity		9.72		10.60	10.14		9.72	10.60	

### 1978 European Championships (Prague, TCH)

**Final**

		date	wind							<i>Lamare (1978) - championnats d'Europa 1978</i>		
		01-Sep-78	-0.2 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Mennea, Pietro (ITA) (1952)</b>	time				10.64		20.16	20.16	/ 1			
	reaction time	0.196	interval				9.52	<b>CR</b>	# of strides	10.64	9.52	1.12
	velocity			9.40			10.50	9.92		9.40	10.50	
<b>Prenzler, Olaf (GDR) (1958)</b>			no information available					20.61	/ 2			
<b>Muster, Peter (SUI) (1952)</b>			no information available					20.64	/ 3			
<b>Dunecki, Leszek (POL) (1956)</b>			no information available					20.68	/ 4			
<b>Barré, Pascal (FRA) (1959)</b>	0.165		no information available					20.70	/ 5			
<b>Lisznerski, Zenon (POL) (1954)</b>			no information available					20.74	/ 6			
<b>Aksinin, Alexander (URS) (1954)</b>			no information available					20.87	/ 7			
<b>Ivanov, Vladimir (BUL) (1955)</b>			no information available					20.92	/ 8			

**Semi-Final 1**

		date	wind							<i>Lamare (1978) - championnats d'Europa 1978</i>		
		31-Aug-78	-0.2 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Arame, Joseph (FRA) (1948)</b>	time				10.82		21.08	21.08	/ 6			
	reaction time	0.167	interval				10.26		# of strides	10.82	10.26	0.56
	velocity			9.24			9.75	9.49		9.24	9.75	

**Heat 4**

		date	wind							<i>Lamare (1978) - championnats d'Europa 1978</i>		
		31-Aug-78	0.2 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Barré, Patrick (FRA) (1959)</b>	time				10.92		21.27	21.27	/ 6			
	reaction time		interval				10.35		# of strides	10.92	10.35	0.57
	velocity			9.16			9.66	9.40		9.16	9.66	

**Heat 3**

		date	wind							<i>Lamare (1978) - championnats d'Europa 1978</i>		
		31-Aug-78	-0.2 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Barré, Pascal (FRA) (1959)</b>	time				10.73		20.78	20.78	/ 1			
	reaction time	0.183	interval				10.05		# of strides	10.73	10.05	0.68
	velocity			9.32			9.95	9.62		9.32	9.95	

**Heat 2**

		date	wind							<i>Lamare (1978) - championnats d'Europa 1978</i>		
		31-Aug-78	-1.5 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Arame, Joseph (FRA) (1948)</b>	time				11.20		21.32	21.32	/ 2			
	reaction time		interval				10.12		# of strides	11.20	10.12	1.08
	velocity			8.93			9.88	9.38		8.93	9.88	

**1977 IAAF World Cup (Düsseldorf, FRG)****FINAL**

		date	wind							<i>Butler (2010) - 1st/IAAF VTB bank continental cup, IAAF statistics handbook - split 2010</i>		
		04-Sep-77	1.0 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Edwards, Clancy (USA) (1955)</b>			no information available					20.17	/ 1			
<b>Mennea, Pietro (ITA) (1952)</b>			no information available					20.17	/ 2			
<b>Leonard, Silvio (CUB) (1955)</b>			no information available					20.30	/ 3			
<b>Ray, Eugen (GDR) (1957)</b>	time			10.2			20.57	20.57	/ 4			
	reaction time		interval				10.37		# of strides	10.20	10.37	-0.17
	velocity			9.80			9.64	9.72		9.80	9.64	
<b>Sattler, Bernd (FRG) (1958)</b>			no information available					20.98	/ 5			
<b>Toyota, Toshio (JPN) (1956)</b>			no information available					21.24	/ 6			
<b>Kablan, Degnan (CIV) (1953)</b>			no information available					21.26	/ 7			
<b>McQueen, Colin (AUS) (1956)</b>			no information available					21.75	/ 8			

**1977 ??? (Zürich, SUI)****FINAL**

		date	wind							<i>Breizer (1985) - sprint time structure</i>		
		24-Aug-77	-0.9 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Quarrie, Don (JAM) (1951)</b>	time			10.29	15.18		20.26	20.26	/ 1			
	reaction time		interval		4.89		5.08		# of strides	10.29	9.97	0.32
	velocity			9.72	10.22		9.84	9.87		9.72	10.03	

**1976 Olympic Games (Montreal, CAN)****FINAL**

		date	wind							<i>Breizer (1984) - sprint competition analysis</i>		
		26-Jul-76	0.7 m/s	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential

<b>Quarrie, Don (JAM) (1951)</b>	time	10.38	20.23	20.23	2 / 1							<i>Lamare (1976)</i>
reaction time	interval		9.85		# of strides	10.38	9.85	0.53				
	velocity	9.63	10.15	9.89		9.63	10.15					
<b>Hampton, Millard (USA) (1956)</b>		no information available		20.29	4 / 2							
<b>Evans, Dwayne (USA) (1958)</b>	time	10.30	15.31	20.43	20.43	7 / 3						<i>Breizer (1984)</i>
reaction time	interval		5.01	5.12	# of strides	10.30	10.13	0.17				
	velocity	9.71	9.98	9.77	9.79	9.71	9.87					
<b>Mennea, Pietro (ITA) (1952)</b>		no information available		20.54	1 / 4							
<b>da Silva, Rui (BRA) (1951)</b>		no information available		20.84	8 / 5							
<b>Grzejszczak, Bogdon (POL)</b>		no information available		20.91	6 / 6							
<b>Bradford, Colin (JAM) (1955)</b>		no information available		21.17	3 / 7							
<b>Crawford, Hasely (JAM) (1950)</b>		no information available		1:19.60	5 / 8							

**1976 USA Olympic Trials (Eugene, OR)***Hymans (2008) - history of the US olympic trials - track and field***FINAL***Breizer (1984) - sprint competition analysis*

	date	21-Jun-76	wind	1.7 m/s								
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Hampton, Millard (USA) (1956)</b>	time		10.17	15.03	20.10	20.10	8 / 1					<i>Breizer (1984)</i>
reaction time	interval			4.86	5.07	<b>PB</b>	# of strides	10.17	9.93	0.24		
	velocity		9.83	10.29	9.86	9.95		9.83	10.07			
<b>Evans, Dwayne (USA) (1958)</b>	time		10.5		20.22	20.22	1 / 2					<i>Hymans (2008)</i>
reaction time	interval				9.72	<b>WYB</b>	# of strides	10.50	9.72	0.78		
	velocity		9.52		10.29	9.89		9.52	10.29			
<b>Lutz, Mark (USA) (1951)</b>		no information available				20.42	7 / 3					
<b>Riddick, Steve (USA) (1951)</b>	time		10.7		20.45	20.45	4 / 4					<i>Hymans (2008)</i>
reaction time	interval				9.75		# of strides	10.70	9.75	0.95		
	velocity		9.35		10.26	9.78		9.35	10.26			
<b>Preston, Ed (USA) (1955)</b>		no information available				20.54	3 / 5					
<b>Jackson, Larry (USA) (1953)</b>		no information available				20.58	5 / 6					
<b>Turner, Willie (USA) (1948)</b>		no information available				20.60	2 / 7					
<b>Preyor, Lamar (USA) (1957)</b>		no information available				21.14	6 / 8					

**1975 Internationale Abendsportfest (Stuttgart, FRG)****FINAL***Breizer (1984) - sprint competition analysis*

	date	26-Aug-75	wind	-0.1 m/s								
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Williams, Steve (USA) (1953)</b>	time		10.25	15.19	20.16	20.16	/ 1					
reaction time	interval			4.94	4.97	<b>PB</b>	# of strides	10.25	9.91	0.34		
	velocity		9.76	10.12	10.06	9.92		9.76	10.09			

**1975 Weltklasse (Zurich, SUI)****FINAL***Breizer (1984) - sprint competition analysis*

	date	20-Aug-75	wind	0.5 m/s								
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Riddick, Steve (USA) (1951)</b>	time		10.67	15.41	20.31	20.31	/ 2					
reaction time	interval			4.74	4.90	<b>PB</b>	# of strides	10.67	9.64	1.03		
	velocity		9.37	10.55	10.20	9.85		9.37	10.37			

**1975 European Cup - Semi-Final Round (Turin, ITA)****FINAL***Dotta (1990) - the 200m race- a retrospective view of its development*

	date	13-Jul-75	wind	0.0 m/s								
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Mennea, Pietro (ITA) (1952)</b>	time		10.55			20.23	20.23	/ 1				
reaction time	interval					9.68	<b>PB</b>	# of strides	10.55	9.68	0.87	
	velocity		9.48			10.33	9.89		9.48	10.33		

**1972 Olympic Games (Munich, GER)****FINAL***Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*

	date	04-Sep-72	wind	0.0 m/s								
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Borzov, Valeriy (URS) (1949)</b>	time		10.40	15.05	20.00	20.00	5 / 1					
reaction time	interval			4.65	4.95	<b>NR</b>	# of strides	10.40	9.60	0.80		



	velocity	9.62	10.75	10.10	10.00	88.5	9.62	10.42	
<b>Black, Larry (USA) (1951)</b>	time	10.41	15.13	20.19	20.19	1 / 2			
reaction time	interval		4.72	5.06		# of strides	10.41	9.78	0.63
	velocity	9.61	10.59	9.88	9.91	93.0	9.61	10.22	
<b>Mennea, Pietro (ITA) (1952)</b>	time	10.67	15.41	20.30	20.30	2 / 3			
reaction time	interval		4.74	4.89		# of strides	10.67	9.63	1.04
	velocity	9.37	10.55	10.22	9.85	90.5	9.37	10.38	
<b>Burton, Larry (USA) (1951)</b>	time	10.57	15.23	20.37	20.37	6 / 4			
reaction time	interval		4.66	5.14		# of strides	10.57	9.80	0.77
	velocity	9.46	10.73	9.73	9.82	84.7	9.46	10.20	
<b>Smith, Chuck (USA) (1949)</b>	time	10.59	15.31	20.55	20.55	3 / 5			
reaction time	interval		4.72	5.24		# of strides	10.59	9.96	0.63
	velocity	9.44	10.59	9.54	9.73	83.0	9.44	10.04	
<b>Schenke, Siegfried (GDR) (1943)</b>	time	10.65	15.42	20.56	20.56	8 / 6			
reaction time	interval		4.77	5.14		# of strides	10.65	9.91	0.74
	velocity	9.39	10.48	9.73	9.73	90.0	9.39	10.09	
<b>Jellinghaus, Martin (FRG) (1944)</b>	time	10.84	15.60	20.65	20.65	4 / 7			
reaction time	interval		4.76	5.05		# of strides	10.84	9.81	1.03
	velocity	9.23	10.50	9.90	9.69	89.0	9.23	10.19	
<b>Zenk, Hans-Joachim (GDR) (1949)</b>	time	10.92		21.05	21.05	7 / 8			
reaction time	interval			10.13		# of strides	10.92	10.13	0.79
	velocity	9.16		9.87	9.50		9.16	9.87	

## 1971 European Championships (Helsinki, FIN)

### FINAL

	date	13-Aug-71	wind	0.0 m/s	(1971) - Walerij Borsov - ein souveräner Europameister						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Borzov, Valeriy (URS) (1949)</b>	time			10.5		20.31	20.31	/ 1			
reaction time	interval					9.81	<b>CR / PB</b>	# of strides	10.50	9.81	0.69
	velocity			9.52		10.19	9.85		9.52	10.19	
<b>Hofmeister, Franz-Peter (FRG) (1951)</b>				no information available			20.71	/ 2			
<b>Pfeifer, Jörg (GDR) (1952)</b>				no information available			20.73	/ 3			
<b>Schenke, Siegfried (GDR) (1943)</b>				no information available			20.74	/ 4			
<b>Clerc, Philippe (SUI) (1946)</b>				no information available			20.86	/ 5			
<b>Mennea, Pietro (ITA) (1952)</b>				no information available			20.88	/ 6			
<b>Fenouil, Gérard (FRA) (1945)</b>				no information available			20.92	/ 7			
<b>Zhidkikh, Aleksandr (URS) (1951)</b>				no information available			21.23	/ 8			

## 1968 Olympic Games (Mexico City, MEX) (Altitude)

### FINAL

	date	16-Oct-68	wind	0.9 m/s	Hymans (2015) - progression of IAAF world records Breizer (1984) - sprint competition analysis						
			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Smith, Tommie (USA) (1944)</b>	time			10.52		19.83	19.83	3 / 1			
reaction time	interval					9.31	<b>WR</b>	# of strides	10.52	9.31	1.21
	velocity			9.51		10.74	10.09	84.7	9.51	10.74	
<b>Norman, Peter (AUS) (1942)</b>	time			10.7		20.1	20.06	6 / 2			Hymans (2015)
reaction time	interval					9.40		# of strides	10.70	9.40	1.30
	velocity			9.35		10.64	9.97	91.0	9.35	10.64	
<b>Carlos, John (USA) (1945)</b>	time			10.4		20.1	20.10	4 / 3			Hymans (2015)
reaction time	interval					9.70		# of strides	10.40	9.70	0.70
	velocity			9.62		10.31	9.95	87.5	9.62	10.31	
<b>Roberts, Edwin (TRI) (1941)</b>	time			10.7		20.3	20.34	8 / 4			Hymans (2015)
reaction time	interval					9.60		# of strides	10.70	9.60	1.10
	velocity			9.35		10.42	9.83	95.0	9.35	10.42	
<b>Bambuck, Roger (FRA) (1945)</b>	time			10.5		20.5	20.51	2 / 5			Hymans (2015)

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

reaction time	interval		10.00		# of strides	10.50	10.00	0.50
	velocity	9.52	10.00	9.75	91.5	9.52	10.00	
<b>Questad, Larry (USA) (1943)</b>	time	10.6	20.6	20.62	5 / 6			<i>Hymans (2015)</i>
reaction time	interval		10.00		# of strides	10.60	10.00	0.60
	velocity	9.43	10.00	9.70	90.0	9.43	10.00	
<b>Fray, Mike (JAM) (1947)</b>	time	10.6	20.6	20.63	1 / 7			<i>Hymans (2015)</i>
reaction time	interval		10.00		# of strides	10.60	10.00	0.60
	velocity	9.43	10.00	9.69		9.43	10.00	
<b>Eigenherr, Jochen (FRG) (1947)</b>	time	10.8	20.7	20.66	7 / 8			<i>Hymans (2015)</i>
reaction time	interval		9.90		# of strides	10.80	9.90	0.90
	velocity	9.26	10.10	9.68		9.26	10.10	

### 1968 USA Olympic Trials (Echo Summit, CA) (Altitude)

#### FINAL

date	12-Sep-68	wind	1.9 m/s	<i>Брейзер (1984) - соревновательная деятельность спринтеров</i>						
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Carlos, John (USA) (1945)</b>	time		10.22	14.97	19.92	19.92	4 / 1			
reaction time	interval			4.75	4.95		# of strides	10.22	9.70	0.52
	velocity		9.78	10.53	10.10	10.04		9.78	10.31	
<b>Smith, Tommie (USA) (1944)</b>			no information available			20.18	1 / 2			
<b>Questad, Larry (USA) (1943)</b>			no information available			20.28	3 / 3			
<b>Bright, Jerry (USA) (1947)</b>			no information available			20.29	2 / 4			
<b>Randolph, Tom (USA) (1942)</b>			no information available			20.29	6 / 5			
<b>Bruckel, Bill (USA) (1945)</b>			no information available			20.52	5 / 6			

### 1964 Olympic Games (Tokyo, JPN)

#### FINAL

date	17-Oct-64	wind	-0.7 m/s								
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Carr, Henry (USA) (1942)</b>			no information available			<b>OR</b>	20.3	7 / 1	(20.36)	# of strides	48.0
<b>Drayton, Paul (USA) (1939)</b>			no information available				20.5	5 / 2	(20.58)		
<b>Roberts, Edwin (TTO) (1941)</b>			no information available				20.6	8 / 3	(20.63)		
<b>Jerome, Harry (CAN) (1940)</b>			no information available				20.7	3 / 4	(20.79)		
<b>Berruti, Livio (ITA) (1939)</b>			no information available				20.8	1 / 5	(20.83)		
<b>Folk, Marian (POL) (1933)</b>			no information available				20.8	4 / 6	(20.83)		
<b>Stebbins, Richard (USA) (1945)</b>			no information available				20.8	6 / 7	(20.89)		
<b>Ottolina, Sergio (ITA) (1942)</b>			no information available				20.9	2 / 8	(20.94)		

### 1960 Olympic Games (Rome, ITA)

#### FINAL

date	03-Sep-60	wind	0.0 m/s								
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Berruti, Livio (ITA) (1939)</b>			no information available			<b>=WR</b>	20.5	5 / 1	(20.62)		
<b>Carrey, Lester (USA) (1934)</b>			no information available				20.6	7 / 2	(20.69)		
<b>Seye, Abdoulaye (FRA) (1934)</b>			no information available				20.7	3 / 3	(20.83)		
<b>Folk, Marian (POL) (1933)</b>			no information available				20.8	2 / 4	(20.90)		
<b>Johnson, Stone (USA) (1940)</b>			no information available				20.8	4 / 5	(20.93)		
<b>Norton, Ray (USA) (1937)</b>			no information available				20.9	6 / 6	(21.09)		

### 1956 Olympic Games (Melbourne, AUS)

#### FINAL

date	27-Nov-56	wind	legal								
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Morrow, Bobby (USA) (1935)</b>			no information available			<b>=WR</b>	20.6	4 / 1	(20.75)	# of strides	92.7
<b>Stanfield, Andy (USA) (1927)</b>			no information available				20.7	5 / 2	(20.97)	# of strides	88.0
<b>Baker, Thane (USA) (1931)</b>			no information available				20.9	7 / 3	(21.05)	# of strides	93.0
<b>Agostini, Mike (TTO) (1935)</b>			no information available				21.1	2 / 4	(21.35)	# of strides	98.0
<b>Tokarev, Boris (URS) (1927)</b>			no information available				21.2	3 / 5	(21.42)	# of strides	98.0
<b>Telles da Conceição, José (BRA) (1931)</b>			no information available				21.3	6 / 6	(21.56)	# of strides	87.5

### 1952 Olympic Games (Helsinki, FIN)

#### FINAL

date	23-Jul-52	wind	1.0 m/s								
		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Stanfield, Andy (USA) (1927)</b>			no information available				20.7	3 / 1	(20.81)		

Baker, Thane (USA) (1931)	no information available	20.8	7 / 2	(20.97)
Gathers, James (USA) (1930)	no information available	20.8	6 / 3	(21.08)
Bailey, McDonald (GBR) (1920)	no information available	21.0	4 / 4	(21.14)
Laing, Leslie (JAM) (1925)	no information available	21.2	5 / 5	(21.45)
Bönnhoff, Gerardo (ARG) (1926)	no information available	21.3	2 / 6	(21.59)

**1948 Olympic Games (London, GBR)****FINAL**

date 03-Aug-48 wind against

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Patton, Mel (USA) (1924)	no information available				21.1	2 / 1			
Ewell, Barney (USA) (1918)	no information available				21.1	4 / 2			
LaBeach, Lloyd (PAN) (1922)	no information available				21.2	3 / 3			
McKenley, Herb (JAM) (1922)	no information available				21.3e	1 / 4			
Bourland, Cliff (USA) (1921)	no information available				21.4e	5 / 5			
Laing, Leslie (JAM) (1925)	no information available				21.9e	6 / 6			

**1943 ??? (New York, NY) (200m Straightaway)****FINAL**

date 20-Jun-43 wind + m/s Quercetani (2000). Athletics: A history of modern track and field athletics (1860-2000)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Davis, Harold (USA) (1921)	time	9.9		20.2	20.2	1 / 1			
	reaction time	interval		10.3		# of strides	9.90	10.30	-0.40
		velocity		4.85	9.90		10.10	9.71	

**1941 ??? (Fresno, CA) (220y Straightaway)****FINAL**

date 17-May-41 wind + m/s Quercetani (2000). Athletics: A history of modern track and field athletics (1860-2000)

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Davis, Harold (USA) (1921)	time	10.3		20.1	20.1	1 / 1			
	reaction time	interval		9.8	(20.2/220y)	# of strides	10.30	9.80	0.50
		velocity		5.10	9.95		9.71	10.20	

**1936 Olympic Games (Berlin, GER)****FINAL**

date 05-Aug-36 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Owens, Jesse (USA) (1913)	no information available			OR	20.7	3 / 1		# of strides	91.7
Robinson, Mack (USA) (1914)	no information available				21.1	4 / 2		# of strides	90.5
Osendarp, Martinus (NED) (1916)	no information available				21.3	1 / 3			
Hänni, Paul (SUI) (1914)	no information available				21.6	5 / 4			
Orr, Lee (CAN) (1917)	no information available				21.6	6 / 5			
van Beveren, Wijnand (NED) (1911)	no information available				21.9	2 / 6			

**1932 Olympic Games (Los Angeles, CA)****FINAL**

date 03-Aug-32 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Tolan, Eddie (USA) (1908)	no information available			OR	21.2	1 / 1	(21.12)	# of strides	98.2
Simpson, George (USA) (1908)	no information available				21.4	3 / 2		# of strides	90.5
Metcalfe, Ralph (USA) (1910)	no information available				21.5	2 / 3		# of strides	92.5
Jonath, Arthur (GER) (1909)	no information available				21.5	6 / 4			
Bianchi, Carlos (ARG) (1910)	no information available				21.6	4 / 5			
Walters, William (RSA) (1907)	no information available				21.9	5 / 6			

**1928 Olympic Games (Amsterdam, NED)****FINAL**

date 01-Aug-28 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Williams, Percy (CAN) (1908)	no information available				21.8	2 / 1			
Rangeley, Walter (GBR) (1903)	no information available				21.9e	3 / 2			
Körnig, Helmut (GER) (1905)	no information available				21.9e	4 / 3			
Scholz, Jackson (USA) (1897)	no information available				21.9e	5 / 4			
Fitzpatrick, John (CAN) (1907)	no information available				22.1e	6 / 5			
Schüller, Jakob (GER) (1905)	no information available				22.2e	1 / 6			

**1924 Olympic Games (Paris, FRA)****FINAL**

date 09-Jul-24 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
Scholz, Jackson (USA) (1897)	no information available			OR	21.6	4 / 1			

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

<b>Paddock, Charles (USA) (1900)</b>	no information available	21.7e	6 / 2
<b>Liddell, Eric (GBR) (1902)</b>	no information available	21.9e	5 / 3
<b>Hill, George (USA) (1901)</b>	no information available	22.0e	1 / 4
<b>Norton, Bayes (USA) (1903)</b>	no information available	22.0e	3 / 5
<b>Abrahams, Harold (GBR) (1899)</b>	no information available	22.3e	2 / 6

**1920 Olympic Games (Antwerp, BEL)****FINAL**

date 20-Aug-20 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Woodring, Allen (USA) (1898)</b>	no information available				22.0	3 / 1			
<b>Paddock, Charles (USA) (1900)</b>	no information available				22.0e	4 / 2			
<b>Edward, Harry (GBR) (1898)</b>	no information available				22.2e	5 / 3			
<b>Murchison, Loren (USA) (1898)</b>	no information available				22.2e	6 / 4			
<b>Davidson, George (NZL) (1898)</b>	no information available				22.4e	1 / 5			
<b>Oosterlaak, Jack (RSA) (1896)</b>	no information available				22.4e	2 / 6			

**1912 Olympic Games (Stockholm, SWE)****FINAL**

date 11-Jul-12 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Craig, Ralph (USA) (1889)</b>	no information available				21.7	4 / 1			
<b>Lippincott, Donald (USA) (1893)</b>	no information available				21.8	6 / 2			
<b>Applegarth, Willie (GBR) (1890)</b>	no information available				22.0	1 / 3			
<b>Rau, Richard (GER) (1889)</b>	no information available				22.2e	5 / 4			
<b>Reidpath, Charles (USA) (1889)</b>	no information available				22.2e	2 / 5			
<b>Young, Donnell (USA) (1888)</b>	no information available				22.3e	3 / 6			

**1908 Olympic Games (London, GBR) (587yd Track)****FINAL**

date 23-Jul-08 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Kerr, Robert (CAN) (1882)</b>	no information available				22.6	3 / 1			
<b>Cloughen, Robert (USA) (1889)</b>	no information available				22.6e	4 / 2			
<b>Cartmell, Nate (USA) (1883)</b>	no information available				22.7e	2 / 3			
<b>Hawkins, George (GBR) (1883)</b>	no information available				22.8e	1 / 4			

**1904 Olympic Games (St. Louis, MO) (200m Straightaway)****FINAL**

date 31-Aug-04 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Hahn, Archie (USA) (1880)</b>	no information available			<b>OR</b>	21.6	/ 1			
<b>Cartmell, Nate (USA) (1883)</b>	no information available				21.9e	/ 2		<i>started 1m back, due to false start</i>	
<b>Hogenson, William (USA) (1884)</b>	no information available				22.1e	/ 3		<i>started 1m back, due to false start</i>	
<b>Moulton, Fay (USA) (1876)</b>	no information available					/ 4		<i>started 1m back, due to false start</i>	

**1900 Olympic Games (Paris, FRA) (500m Grass Track)****FINAL**

date 22-Jul-00 wind

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Tewksbury, Walter (USA) (1876)</b>	no information available				22.2	/ 1			
<b>Pritchard, Norman (GBR) (1875)</b>	no information available				22.5e	/ 2			
<b>Rowley, Stan (AUS) (1876)</b>	no information available				22.6e	/ 3			
<b>Hollard, William (USA) (1874)</b>	no information available				22.6e	/ 4			