



TIME ANALYSIS

FOR THE

IAAF World Championships

LONDON 2017

1,500 m Men's

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INTRODUCTION

The men's 1500 m final was held in the late evening of August 13th. The heats were held three days earlier on August 10th, with the semi-finals the following evening. In the three heats, the first six finishers qualified automatically, and the six fastest non-automatic qualifiers also progressed. There were two semi-finals; the first five in each qualified for the final automatically, along with the two fastest losers. The average speeds for each of the top eight athletes over every 100 m segment are included in this report, as well as a graph of each of these athletes' positions at each 100 m split. The split data were provided by SEIKO. The results of the final are shown below.

IAAF
World Championships

London
4-13 August 2017



RESULTS

1500 Metres Men - Final

RECORDS	RESULT	NAME	COUNTRY	AGE	VENUE	DATE
World Record WR	3:26.00	Hicham EL GUERROUJ	MAR	24	Roma (Stadio Olimpico)	14 Jul 1998
Championships Record CR	3:27.65	Hicham EL GUERROUJ	MAR	25	Sevilla (La Cartuja)	24 Aug 1999
World Leading WL	3:28.80	Elijah Motonei MANANGOI	KEN	24	Monaco (Stade Louis II)	21 Jul 2017
Area Record AR		National Record NR		Personal Best PB		Season Best SB

13 August 2017 20:30 START TIME 22° C 35 %
TEMPERATURE HUMIDITY

PLACE	NAME	COUNTRY	DATE of BIRTH	ORDER	RESULT
1	Elijah Motonei MANANGOI	KEN	5 Jan 93	2	3:33.61
2	Timothy CHERUIYOT	KEN	20 Nov 95	7	3:33.99
3	Filip INGBEJØTSEN	NOR	20 Apr 93	6	3:34.53
4	Adel MECHAAL	ESP	5 Dec 90	1	3:34.71
5	Jakub HOLUŠA	CZE	20 Feb 88	4	3:34.89
6	Sedik MIKHOU	BRN	25 Jul 90	10	3:35.81
7	Marcin LEWANDOWSKI	POL	13 Jun 87	9	3:36.02
8	Nicholas WILLIS	NZL	25 Apr 83	8	3:36.82
9	Asbel KIPROP	KEN	30 Jun 89	11	3:37.24
10	John OREOREK	USA	7 Dec 91	3	3:37.56
11	Fouad ELKAAM	MAR	27 May 88	12	3:37.72
12	Chris O'HARE	GBR	23 Nov 90	5	3:38.28

Timing and Measurement by SEIKO AT-1500-M-f--1--.R51..V1 Issued at 20:36 on Sunday, 13 August 2017

Official Partners














Table 1. List of abbreviations used.

Q	Automatic qualifier for next round	DNF	Did not finish
q	Qualified for next round as fastest loser	PB	Personal best time
DQ	Disqualified	SB	Season's best time
j	Advanced to next round after an appeal	NR	National Record

Heat 1

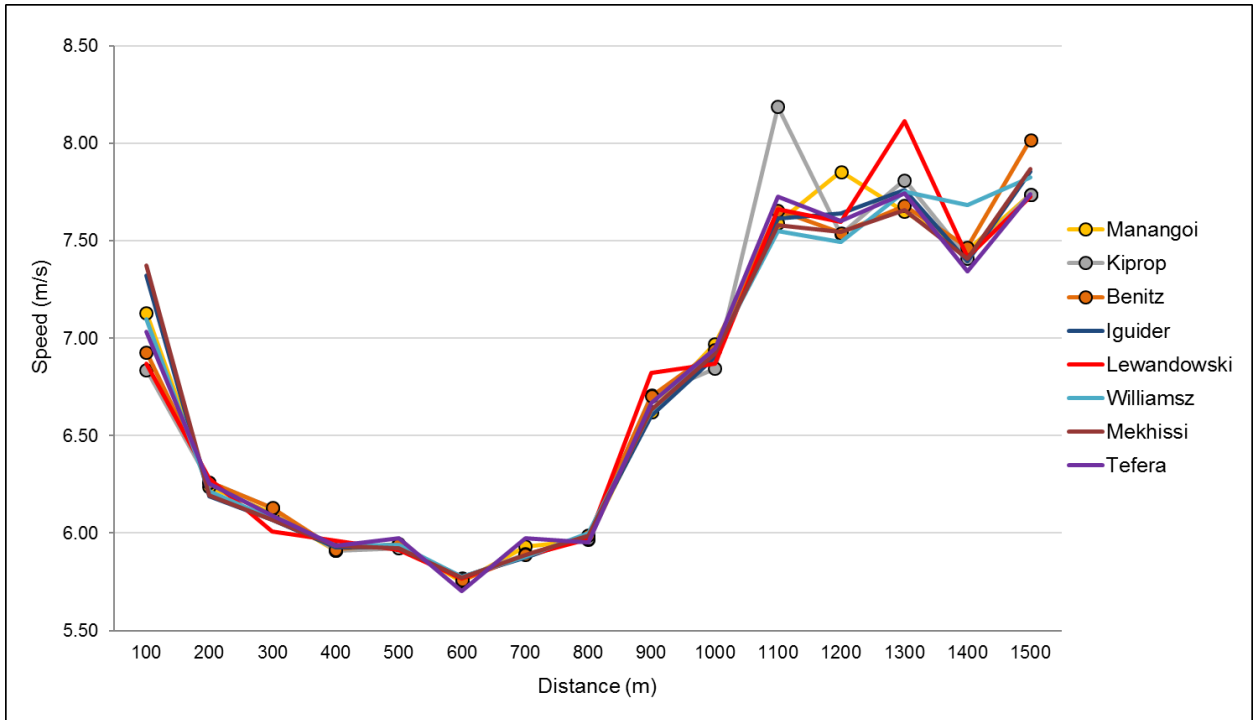


Figure 1. The mean speeds for each 100 m segment for the top eight athletes in Heat 1.

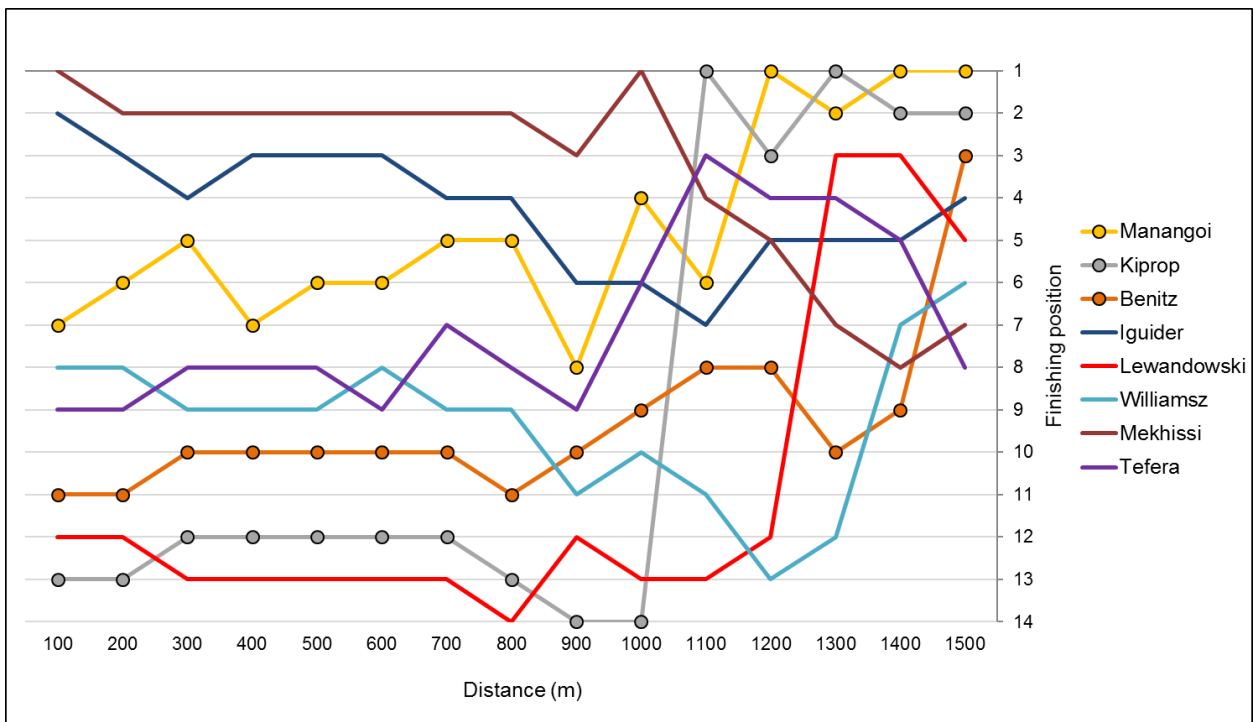


Figure 2. The position of the top eight athletes after each 100 m segment in Heat 1.

1140	Manangoi, Elijah Motonei (KEN) Q	Posn. 1
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.02	30.05	46.43	1:03.35	1:20.17	1:37.56	1:54.42	2:11.18	2:26.28	2:40.62
100m	14.02	16.03	16.38	16.92	16.82	17.39	16.86	16.76	15.10	14.34
400m				1:03.35				1:07.83		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.79	3:06.52	3:19.59	3:33.01	3:45.93					
100m	13.17	12.73	13.07	13.42	12.92					
400m		55.34								

1134	Kiprop, Asbel (KEN) Q	Posn. 2
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.62	30.59	46.91	1:03.83	1:20.71	1:38.04	1:55.01	2:11.75	2:26.66	2:41.27
100m	14.62	15.97	16.32	16.92	16.88	17.33	16.97	16.74	14.91	14.61
400m				1:03.83				1:07.92		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.48	3:06.75	3:19.55	3:33.04	3:45.96					
100m	12.21	13.27	12.80	13.49	12.92					
400m		55.00								

987	Benitz, Timo (GER) Q	Posn. 3
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.43	30.40	46.71	1:03.61	1:20.44	1:37.80	1:54.78	2:11.48	2:26.40	2:40.81
100m	14.43	15.97	16.31	16.90	16.83	17.36	16.98	16.70	14.92	14.41
400m				1:03.61				1:07.87		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.87	3:07.13	3:20.15	3:33.54	3:46.01					
100m	13.06	13.26	13.02	13.39	12.47					
400m		55.65								

1176	Iguider, Abdalaati (MAR) Q	Posn. 4
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.66	29.82	46.30	1:03.17	1:20.03	1:37.34	1:54.36	2:11.06	2:26.20	2:40.68
100m	13.66	16.16	16.48	16.87	16.86	17.31	17.02	16.70	15.14	14.48
400m				1:03.17				1:07.89		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.81	3:06.90	3:19.78	3:33.30	3:46.03					
100m	13.13	13.09	12.88	13.52	12.73					
400m		55.84								

1245	Lewandowski, Marcin (POL) Q	Posn. 5
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.56	30.48	47.12	1:03.89	1:20.80	1:38.14	1:55.14	2:11.89	2:26.55	2:41.11
100m	14.56	15.92	16.64	16.77	16.91	17.34	17.00	16.75	14.66	14.56
400m				1:03.89				1:08.00		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:54.16	3:07.32	3:19.64	3:33.12	3:46.06					
100m	13.05	13.16	12.32	13.48	12.94					
400m		55.43								

657	Williamsz, Jordan (AUS) Q	Posn. 6
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.09	30.18	46.65	1:03.50	1:20.34	1:37.65	1:54.66	2:11.33	2:26.42	2:40.84
100m	14.09	16.09	16.47	16.85	16.84	17.31	17.01	16.67	15.09	14.42
400m				1:03.50				1:07.83		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:54.08	3:07.42	3:20.32	3:33.33	3:46.11					
100m	13.24	13.34	12.90	13.01	12.78					
400m		56.09								

938	Mekhissi, Mahiedine (FRA)	Posn. 7
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.56	29.70	46.18	1:03.03	1:19.92	1:37.24	1:54.23	2:10.93	2:26.01	2:40.46
100m	13.56	16.14	16.48	16.85	16.89	17.32	16.99	16.70	15.08	14.45
400m				1:03.03				1:07.90		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.65	3:06.90	3:19.96	3:33.46	3:46.17					
100m	13.19	13.25	13.06	13.50	12.71					
400m		55.97								

903	Tefera, Samuel (ETH)	Posn. 8
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.22	30.21	46.63	1:03.48	1:20.22	1:37.75	1:54.49	2:11.29	2:26.29	2:40.68
100m	14.22	15.99	16.42	16.85	16.74	17.53	16.74	16.80	15.00	14.39
400m				1:03.48				1:07.81		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.62	3:06.77	3:19.68	3:33.30	3:46.22					
100m	12.94	13.15	12.91	13.62	12.92					
400m		55.48								

1228	Torrence, David (PER)	Posn. 9
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.32	30.31	46.86	1:03.72	1:20.54	1:37.88	1:54.88	2:11.57	2:26.56	2:41.05
100m	14.32	15.99	16.55	16.86	16.82	17.34	17.00	16.69	14.99	14.49
400m				1:03.72				1:07.85		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:54.30	3:07.57	3:20.47	3:33.85	3:46.39					
100m	13.25	13.27	12.90	13.38	12.54					
400m		56.00								

841	Souleiman, Ayanleh (DJI)	Posn. 10
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.86	30.77	47.19	1:04.06	1:20.96	1:38.26	1:55.23	2:11.46	2:26.00	2:40.53
100m	14.86	15.91	16.42	16.87	16.90	17.30	16.97	16.23	14.54	14.53
400m				1:04.06				1:07.40		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.53	3:06.63	3:19.84	3:33.22	3:46.64					
100m	13.00	13.10	13.21	13.38	13.42					
400m		55.17								

963	Kerr, Josh (GBR)									Posn. 11
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.81	30.09	46.46	1:03.34	1:20.19	1:37.56	1:54.54	2:11.24	2:26.12	2:40.76
100m	13.81	16.28	16.37	16.88	16.85	17.37	16.98	16.70	14.88	14.64
400m				1:03.34				1:07.90		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.96	3:07.24	3:20.17	3:33.86	3:47.30					
100m	13.20	13.28	12.93	13.69	13.44					
400m		56.00								

602	Anou, Abderrahmane (ALG)									Posn. 12
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.92	29.62	46.07	1:02.99	1:19.85	1:37.17	1:54.20	2:10.87	2:25.92	2:40.46
100m	13.92	15.70	16.45	16.92	16.86	17.32	17.03	16.67	15.05	14.54
400m				1:02.99				1:07.88		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:53.70	3:06.99	3:19.96	3:33.66	3:47.38					
100m	13.24	13.29	12.97	13.70	13.72					
400m		56.12								

858	Bustos, David (ESP)									Posn. 13
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.70	29.94	46.45	1:03.29	1:20.14	1:37.43	1:54.47	2:11.18	2:26.23	2:40.62
100m	13.70	16.24	16.51	16.84	16.85	17.29	17.04	16.71	15.05	14.39
400m				1:03.29				1:07.89		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:54.04	3:07.31	3:20.37	3:33.72	3:47.52					
100m	13.42	13.27	13.06	13.35	13.80					
400m		56.13								

1381	Centrowitz, Matthew (USA)									Posn. 14
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.82	29.84	46.24	1:03.20	1:20.03	1:37.39	1:54.33	2:11.05	2:26.14	2:40.96
100m	13.82	16.02	16.40	16.96	16.83	17.36	16.94	16.72	15.09	14.82
400m				1:03.20				1:07.85		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:54.12	3:07.18	3:19.97	3:33.95	3:48.34					
100m	13.16	13.06	12.79	13.98	14.39					
400m		56.13								

Heat 2

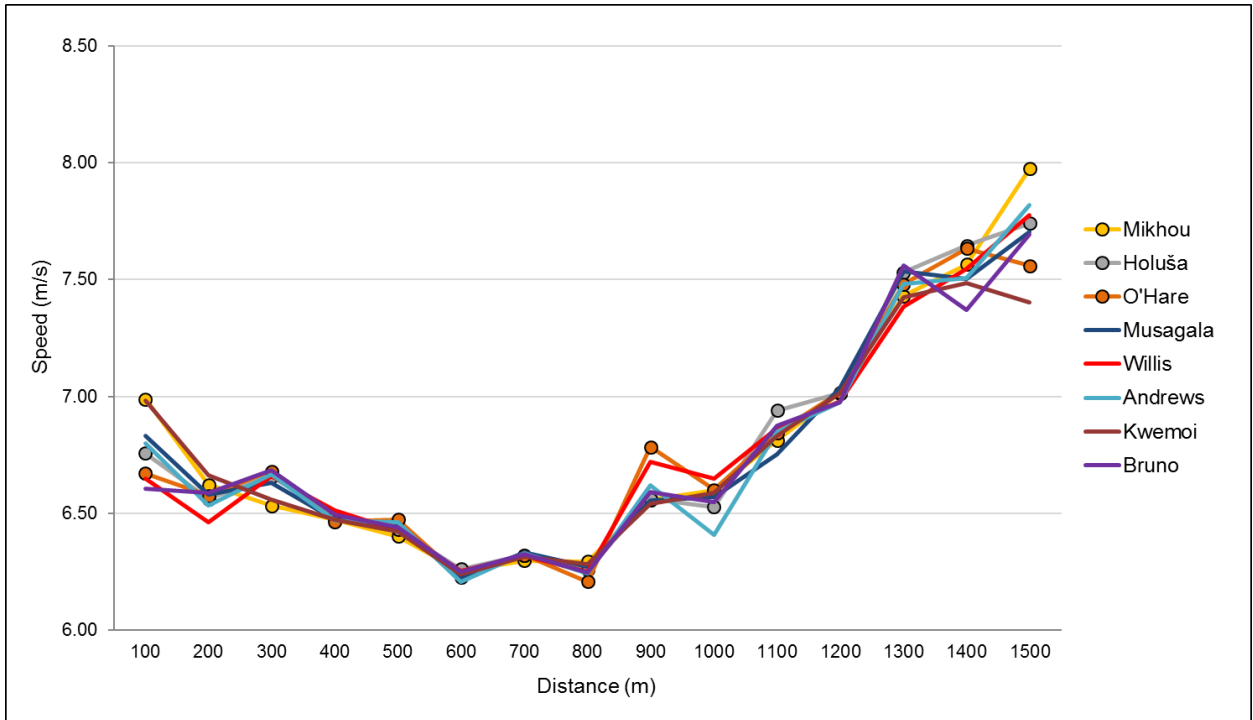


Figure 1. The mean speeds for each 100 m segment for the top eight athletes in Heat 2.

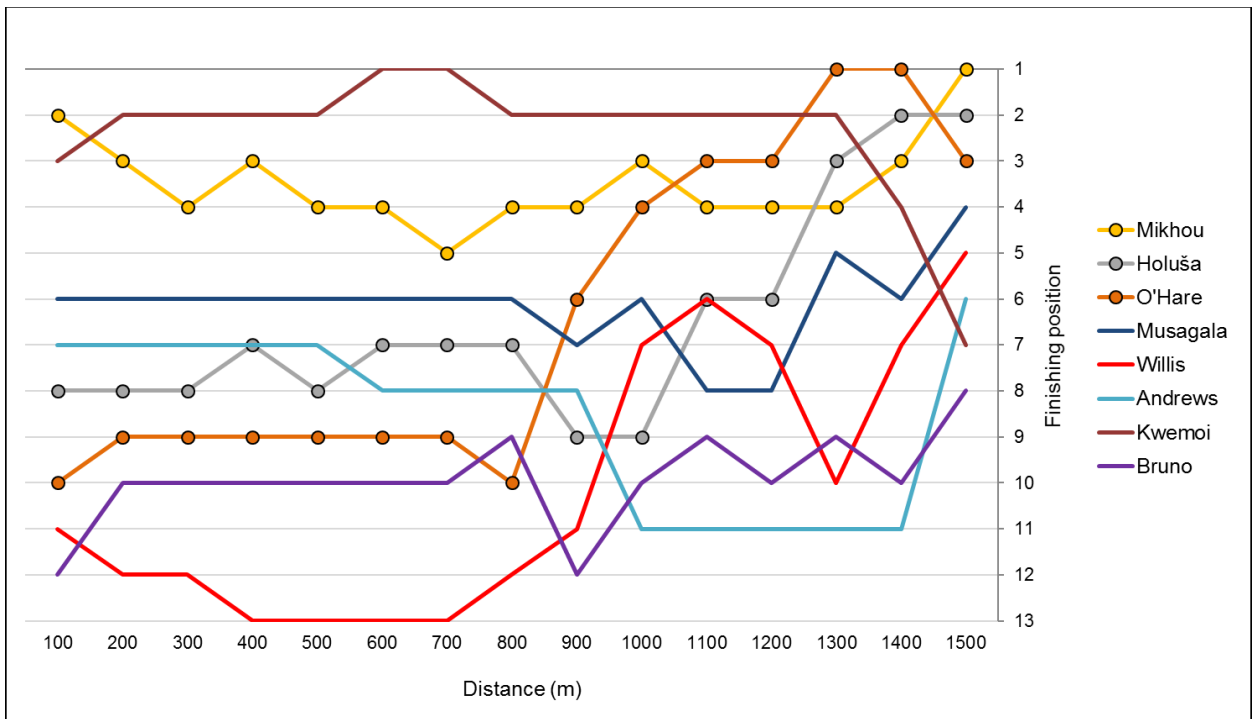


Figure 2. The position of the top eight athletes after each 100 m segment in Heat 2.

737	Mikhou, Sadik (BRN) Q	Posn. 1
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.31	29.41	44.72	1:00.17	1:15.79	1:31.78	1:47.66	2:03.55	2:18.80	2:33.96
100m	14.31	15.10	15.31	15.45	15.62	15.99	15.88	15.89	15.25	15.16
400m				1:00.17				1:03.38		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.64	3:02.90	3:16.36	3:29.58	3:42.12					
100m	14.68	14.26	13.46	13.22	12.54					
400m		59.35								

829	Holuša, Jakub (CZE) Q	Posn. 2
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.80	30.04	45.06	1:00.48	1:16.03	1:32.00	1:47.82	2:03.80	2:19.04	2:34.36
100m	14.80	15.24	15.02	15.42	15.55	15.97	15.82	15.98	15.24	15.32
400m				1:00.48				1:03.32		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.77	3:03.03	3:16.31	3:29.39	3:42.31					
100m	14.41	14.26	13.28	13.08	12.92					
400m		59.23								

971	O'Hare, Chris (GBR) Q	Posn. 3
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.99	30.20	45.17	1:00.64	1:16.09	1:32.15	1:47.97	2:04.08	2:18.82	2:33.97
100m	14.99	15.21	14.97	15.47	15.45	16.06	15.82	16.11	14.74	15.15
400m				1:00.64				1:03.44		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.58	3:02.83	3:16.20	3:29.30	3:42.53					
100m	13.06	13.26	13.02	13.39	12.47					
400m		58.75								

1361	Musagala, Ronald (UGA) Q	Posn. 4
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.64	29.84	44.92	1:00.37	1:15.86	1:31.93	1:47.72	2:03.67	2:18.93	2:34.15
100m	14.64	15.20	15.08	15.45	15.49	16.07	15.79	15.95	15.26	15.22
400m				1:00.37				1:03.30		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.96	3:03.17	3:16.44	3:29.77	3:42.75					
100m	14.81	14.21	13.27	13.33	12.98					
400m		59.50								

1224	Willis, Nicholas (NZL) Q	Posn. 5
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.04	30.52	45.54	1:00.90	1:16.46	1:32.45	1:48.28	2:04.28	2:19.16	2:34.20
100m	15.04	15.48	15.02	15.36	15.56	15.99	15.83	16.00	14.88	15.04
400m				1:00.90				1:03.38		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.77	3:03.10	3:16.64	3:29.89	3:42.75					
100m	14.57	14.33	13.54	13.25	12.86					
400m		58.82								

1373	Andrews, Robby (USA) Q	Posn. 6
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.71	30.02	45.02	1:00.48	1:15.96	1:32.07	1:47.87	2:03.89	2:19.00	2:34.61
100m	14.71	15.31	15.00	15.46	15.48	16.11	15.80	16.02	15.11	15.61
400m				1:00.48				1:03.41		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:49.21	3:03.55	3:16.92	3:30.24	3:43.03					
100m	14.60	14.34	13.37	13.32	12.79					
400m		59.66								

1139	Kwemoi, Ronald (KEN) q	Posn. 7
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.32	29.33	44.58	1:00.03	1:15.60	1:31.63	1:47.47	2:03.39	2:18.68	2:33.86
100m	14.32	15.01	15.25	15.45	15.57	16.03	15.84	15.92	15.29	15.18
400m				1:00.03				1:03.36		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.50	3:02.76	3:16.23	3:29.59	3:43.10					
100m	14.64	14.26	13.47	13.36	13.51					
400m		59.37								

625	Bruno, Federico (ARG)	Posn. 8
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.14	30.32	45.28	1:00.68	1:16.21	1:32.21	1:48.02	2:04.03	2:19.20	2:34.47
100m	15.14	15.18	14.96	15.40	15.53	16.00	15.81	16.01	15.17	15.27
400m				1:00.68				1:03.35		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:49.02	3:03.36	3:16.59	3:30.16	3:43.16					
100m	14.55	14.34	13.23	13.57	13.00					
400m		59.33								

643	Gregson, Ryan (AUS)	Posn. 9
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.92	30.42	45.46	1:00.85	1:16.37	1:32.40	1:48.18	2:04.35	2:19.12	2:34.71
100m	14.92	15.50	15.04	15.39	15.52	16.03	15.78	16.17	14.77	15.59
400m				1:00.85				1:03.50		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:49.05	3:03.32	3:16.54	3:30.02	3:43.28					
100m	14.34	14.27	13.22	13.48	13.26					
400m		58.97								

855	Alcalá, Marc (ESP)	Posn. 10
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.20	29.21	44.54	59.93	1:15.56	1:31.63	1:47.49	2:03.32	2:18.58	2:33.75
100m	14.20	15.01	15.33	15.39	15.63	16.07	15.86	15.83	15.26	15.17
400m				59.93				1:03.39		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.49	3:02.71	3:16.56	3:30.14	3:43.28					
100m	14.74	14.22	13.85	13.58	13.14					
400m		59.39								

986	Enzema, Benjamín (GEQ)	Posn. 11
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.59	29.78	44.70	1:00.17	1:15.66	1:31.76	1:47.50	2:03.47	2:18.77	2:34.30
100m	14.59	15.19	14.92	15.47	15.49	16.10	15.74	15.97	15.30	15.53
400m				1:00.17				1:03.30		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:49.24	3:04.07	3:18.65	3:33.53	3:48.39					
100m	14.94	14.83	14.58	14.88	14.86					
400m		1:00.60								

633	Lobalu, Dominic Lokinyomo (ART) PB	Posn. 12
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.25	30.72	45.67	1:00.88	1:16.25	1:32.33	1:48.14	2:04.21	2:19.32	2:34.89
100m	15.25	15.47	14.95	15.21	15.37	16.08	15.81	16.07	15.11	15.57
400m				1:00.88				1:03.33		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:49.78	3:04.87	3:20.39	3:36.83	3:52.78					
100m	14.89	15.09	15.52	16.44	15.95					
400m		1:00.66								

1201	Douma, Richard (NED) q j	Posn. 13
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.40	29.63	44.82	1:00.29	1:15.84	1:31.84	1:47.64	2:03.57	2:18.81	2:34.06
100m	14.40	15.23	15.19	15.47	15.55	16.00	15.80	15.93	15.24	15.25
400m				1:00.29				1:03.28		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.75	3:02.96	3:16.49	3:29.74	3:55.36					
100m	14.69	14.21	13.53	13.25	25.62					
400m		59.39								

Heat 3

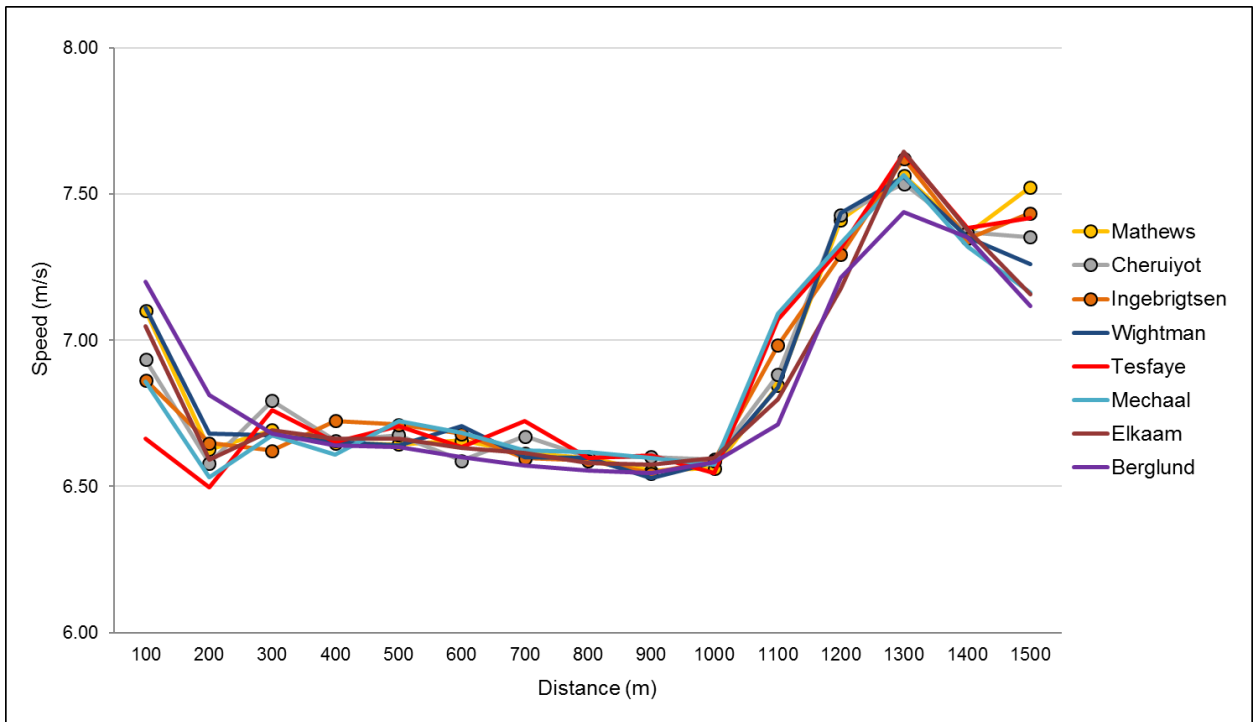


Figure 1. The mean speeds for each 100 m segment for the top eight athletes in Heat 3.

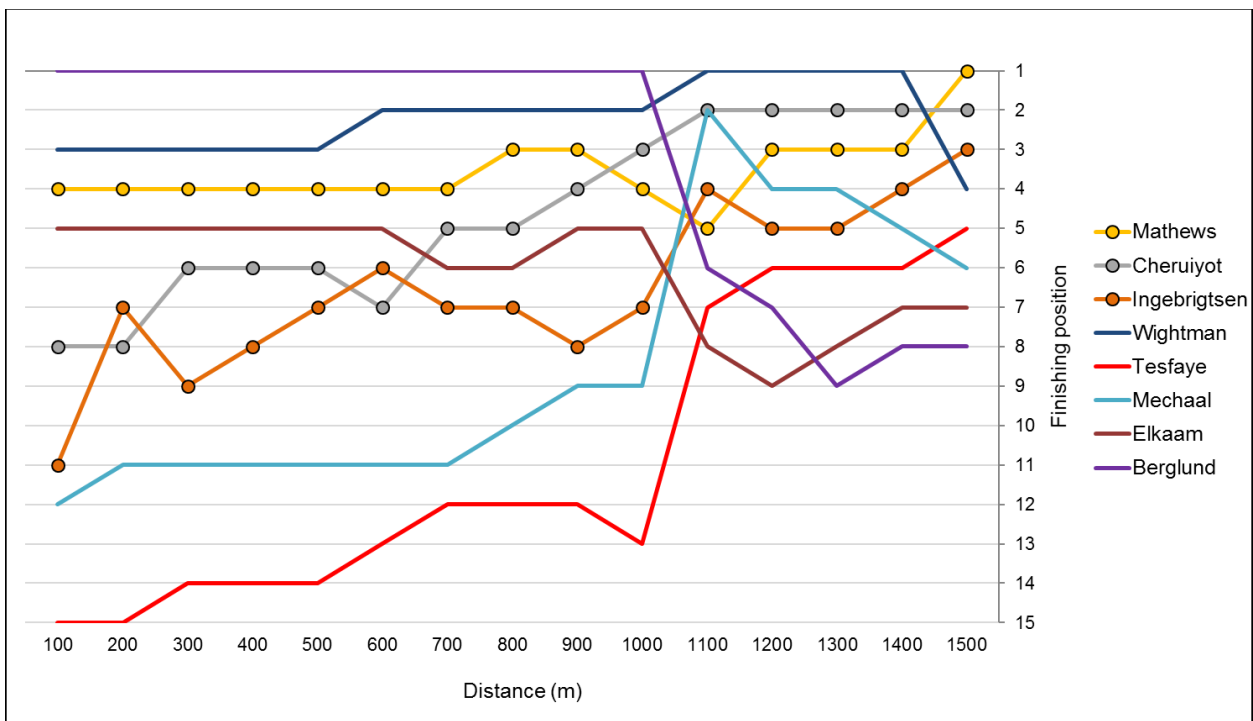


Figure 2. The position of the top eight athletes after each 100 m segment in Heat 3.

649	Mathews, Luke (AUS) Q	Posn. 1
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.08	29.17	44.11	59.15	1:14.20	1:29.22	1:44.34	1:59.50	2:14.76	2:30.00
100m	14.08	15.09	14.94	15.04	15.05	15.02	15.12	15.16	15.26	15.24
400m				1:03.35				1:00.35		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.61	2:58.10	3:11.32	3:24.90	3:38.19					
100m	14.61	13.49	13.22	13.58	13.29					
400m		58.60								

1128	Cheruiyot, Timothy (KEN) Q	Posn. 2
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.42	29.62	44.34	59.36	1:14.34	1:29.52	1:44.51	1:59.66	2:14.81	2:29.98
100m	14.42	15.20	14.72	15.02	14.98	15.18	14.99	15.15	15.15	15.17
400m				1:03.83				1:00.30		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.51	2:57.97	3:11.24	3:24.81	3:38.41					
100m	14.53	13.46	13.27	13.57	13.60					
400m		58.31								

1210	Ingebrigtsen, Filip (NOR) Q	Posn. 3
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.57	29.61	44.71	59.58	1:14.48	1:29.45	1:44.61	1:59.79	2:15.07	2:30.25
100m	14.57	15.04	15.10	14.87	14.90	14.97	15.16	15.18	15.28	15.18
400m				1:03.61				1:00.21		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.57	2:58.28	3:11.40	3:25.01	3:38.46					
100m	14.32	13.71	13.12	13.61	13.45					
400m		58.49								

983	Wightman, Jake (GBR) Q	Posn. 4
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.06	29.03	44.01	59.04	1:14.10	1:29.01	1:44.16	1:59.32	2:14.64	2:29.83
100m	14.06	14.97	14.98	15.03	15.06	14.91	15.15	15.16	15.32	15.19
400m				1:03.17				1:00.28		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.45	2:57.90	3:11.13	3:24.73	3:38.50					
100m	14.62	13.45	13.23	13.60	13.77					
400m		58.58								

1011	Tesfaye, Homiyu (GER) Q	Posn. 5
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.01	30.4	45.19	1:00.22	1:15.13	1:30.20	1:45.07	2:00.23	2:15.37	2:30.65
100m	15.01	15.39	14.79	15.03	14.91	15.07	14.87	15.16	15.14	15.28
400m				1:03.89				1:00.01		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.79	2:58.46	3:11.55	3:25.09	3:38.57					
100m	14.14	13.67	13.09	13.54	13.48					
400m		58.23								

874	Mechaal, Adel (ESP) Q	Posn. 6
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.58	29.89	44.87	1:00.00	1:14.87	1:29.83	1:44.93	2:00.04	2:15.20	2:30.41
100m	14.58	15.31	14.98	15.13	14.87	14.96	15.10	15.11	15.16	15.21
400m				1:00.00				1:00.04		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.51	2:58.15	3:11.37	3:25.03	3:38.99					
100m	14.10	13.64	13.22	13.66	13.96					
400m		58.11								

1175	Elkaam, Fouad (MAR) q	Posn. 7
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.19	29.36	44.30	59.31	1:14.32	1:29.40	1:44.52	1:59.72	2:14.93	2:30.09
100m	14.19	15.17	14.94	15.01	15.01	15.08	15.12	15.20	15.21	15.16
400m				59.31				1:00.41		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.80	2:58.73	3:11.81	3:25.36	3:39.33					
100m	14.71	13.93	13.08	13.55	13.97					
400m		59.01								

1396	Gregorek, John (USA) q	Posn. 8
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.89	28.57	43.54	58.60	1:13.67	1:28.82	1:44.04	1:59.30	2:14.58	2:29.77
100m	13.89	14.68	14.97	15.06	15.07	15.15	15.22	15.26	15.28	15.19
400m				58.60				1:00.70		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.67	2:58.53	3:11.97	3:25.57	3:39.62					
100m	14.90	13.86	13.44	13.60	14.05					
400m		59.23								

1304	Berglund, Kalle (SWE) q	Posn. 9
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.25	29.42	44.53	59.50	1:14.52	1:29.62	1:44.68	1:59.83	2:15.24	2:30.46
100m	14.25	15.17	15.11	14.97	15.02	15.10	15.06	15.15	15.41	15.22
400m				59.50				1:00.33		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.07	2:58.91	3:12.03	3:25.86	3:39.62					
100m	14.61	13.84	13.12	13.83	13.76					
400m		59.08								

739	Seurei, Benson Kiplagat (BRN) q	Posn. 10
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.46	29.83	44.74	59.78	1:14.70	1:29.69	1:44.80	1:59.92	2:15.34	2:30.52
100m	14.46	15.37	14.91	15.04	14.92	14.99	15.11	15.12	15.42	15.18
400m				59.78				1:00.14		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.00	2:58.64	3:11.80	3:25.77	3:39.77					
100m	14.48	13.64	13.16	13.97	14.00					
400m		58.72								

1250	Rozmys, Michal (POL) q	Posn. 11
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.93	28.83	43.79	58.86	1:13.98	1:29.19	1:44.32	1:59.59	2:14.99	2:30.15
100m	13.93	14.90	14.96	15.07	15.12	15.21	15.13	15.27	15.40	15.16
400m				58.86				1:00.73		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.89	2:58.95	3:12.26	3:26.05	3:40.28					
100m	14.74	14.06	13.31	13.79	14.23					
400m		59.36								

692	Debjani, Ismael (BEL)	Posn. 12
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.28	29.71	44.54	59.69	1:14.64	1:29.78	1:44.82	2:00.05	2:15.06	2:30.39
100m	14.28	15.43	14.83	15.15	14.95	15.14	15.04	15.23	15.01	15.33
400m				59.69				1:00.36		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.28	2:59.68	3:14.11	3:29.16	3:43.71					
100m	14.89	14.40	14.43	15.05	14.55					
400m		59.63								

1017	Dixon, Harvey (GIB) NR	Posn. 13
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.52	30.07	44.96	1:00.06	1:14.93	1:30.02	1:45.08	2:00.27	2:15.51	2:30.63
100m	14.52	15.55	14.89	15.10	14.87	15.09	15.06	15.19	15.24	15.12
400m				1:00.06				1:00.21		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.59	3:00.06	3:14.72	3:29.40	3:44.03					
100m	14.96	14.47	14.66	14.68	14.63					
400m		59.79								

1194	Rodríguez, Erick (NCA) SB	Posn. 14
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.84	30.32	45.38	1:00.48	1:15.34	1:30.55	1:45.58	2:00.97	2:16.40	2:32.01
100m	14.84	15.48	15.06	15.10	14.86	15.21	15.03	15.39	15.43	15.61
400m				1:00.48				1:00.49		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.86	3:03.64	3:19.57	3:35.83	3:52.35					
100m	15.85	15.78	15.93	16.26	16.52					
400m		1:02.67								

905	Tolosa, Taresa (ETH)	DNF
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.72	30.11	45.14	1:00.21	1:15.08	1:30.22	1:45.76	2:01.44	2:17.03	
100m	14.72	15.39	15.03	15.07	14.87	15.14	15.54	15.68	15.59	
400m				1:00.21				1:01.23		
	1100m	1200m	1300m	1400m	1500m					
Race Time										
100m										
400m										

Semi-final 1

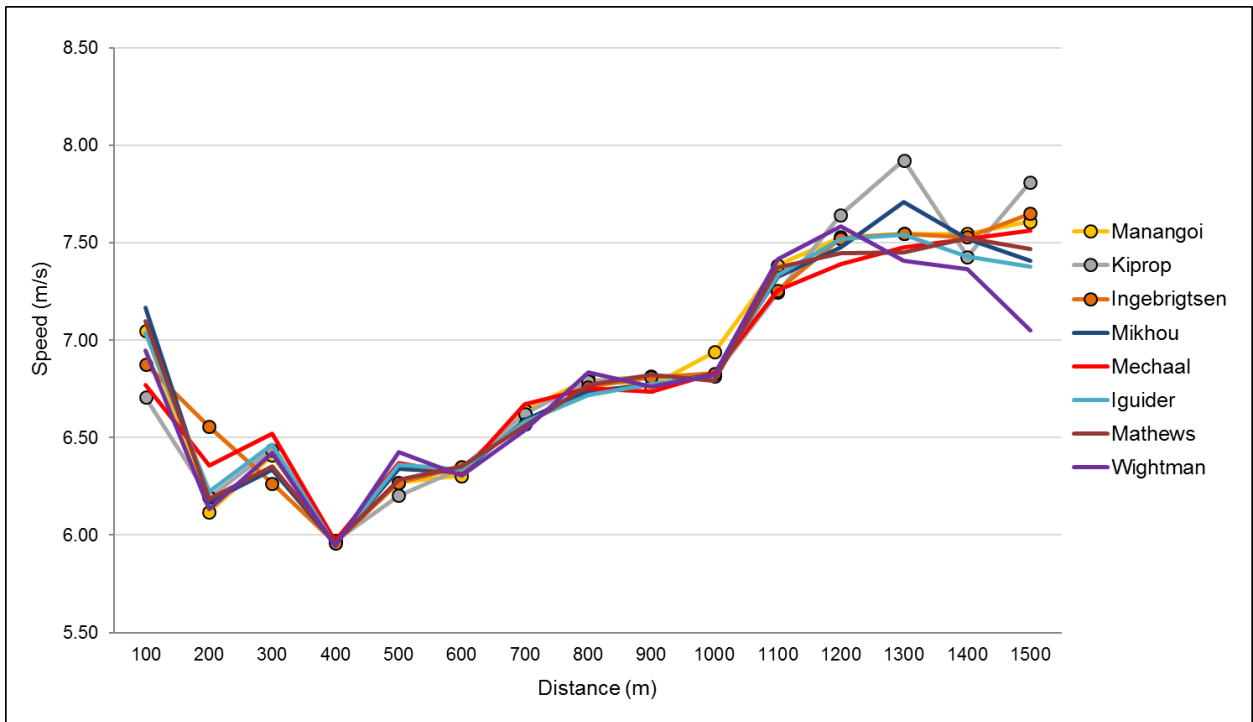


Figure 1. The mean speeds for each 100 m segment for the top eight athletes in Semi-final 1.

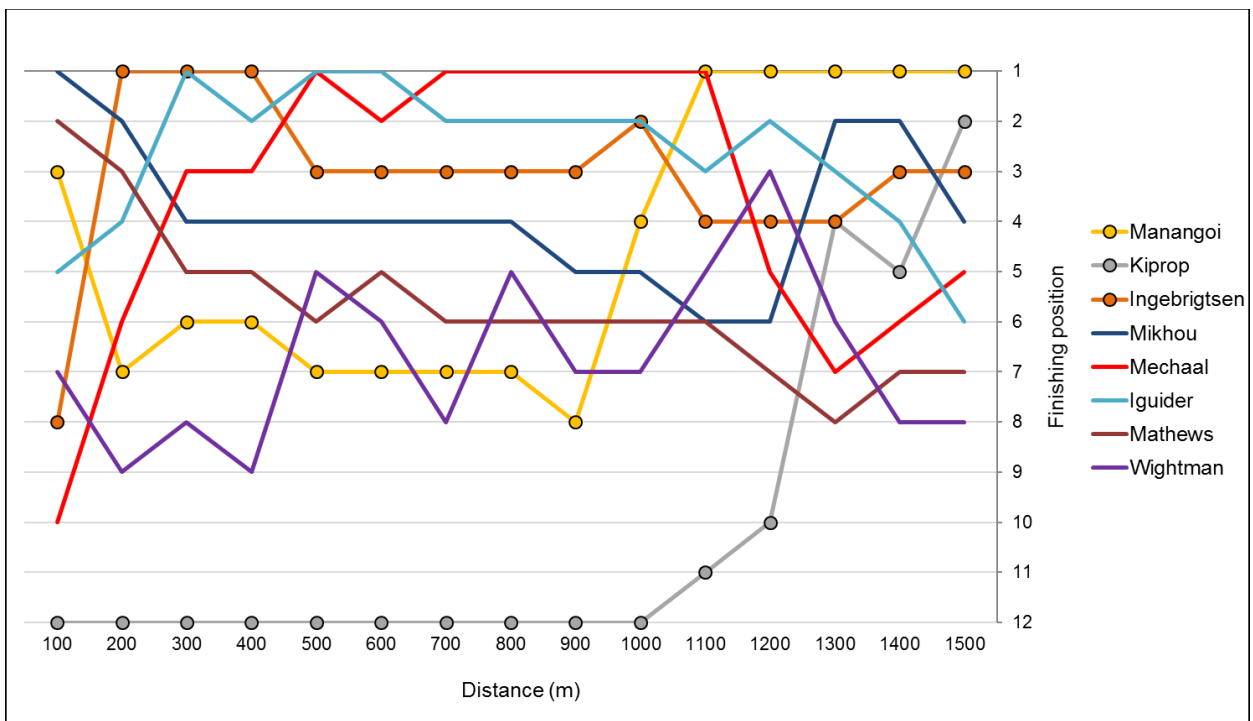


Figure 2. The position of the top eight athletes after each 100 m segment in Semi-final 1.

1140	Manangoi, Elijah Motonei (KEN) Q	Posn. 1
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.19	30.53	46.13	1:02.88	1:18.83	1:34.69	1:49.75	2:04.45	2:19.23	2:33.64
100m	14.19	16.34	15.60	16.75	15.95	15.86	15.06	14.70	14.78	14.41
400m				1:02.88				1:01.57		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.18	3:00.46	3:13.71	3:26.96	3:40.10					
100m	13.54	13.28	13.25	13.25	13.14					
400m		56.01								

1134	Kiprop, Asbel (KEN) Q	Posn. 2
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.91	31.05	46.58	1:03.33	1:19.45	1:35.21	1:50.31	2:05.04	2:19.71	2:34.38
100m	14.91	16.14	15.53	16.75	16.12	15.76	15.10	14.73	14.67	14.67
400m				1:03.33				1:01.71		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:48.18	3:01.26	3:13.88	3:27.34	3:40.14					
100m	13.80	13.08	12.62	13.46	12.80					
400m		56.22								

1210	Ingebrigtsen, Filip (NOR) Q	Posn. 3
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.54	29.79	45.75	1:02.53	1:18.48	1:34.23	1:49.45	2:04.24	2:18.92	2:33.56
100m	14.54	15.25	15.96	16.78	15.95	15.75	15.22	14.79	14.68	14.64
400m				1:02.53				1:01.71		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.34	3:00.63	3:13.88	3:27.16	3:40.23					
100m	13.78	13.29	13.25	13.28	13.07					
400m		56.39								

737	Mikhou, Sadik (BRN) Q	Posn. 4
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	13.95	30.15	45.93	1:02.72	1:18.49	1:34.31	1:49.48	2:04.31	2:19.08	2:33.73
100m	13.95	16.20	15.78	16.79	15.77	15.82	15.17	14.83	14.77	14.65
400m				1:02.72				1:01.59		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.38	3:00.75	3:13.72	3:27.02	3:40.52					
100m	13.65	13.37	12.97	13.30	13.50					
400m		56.44								

874	Mechaal, Adel (ESP) Q	Posn. 5
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.77	30.50	45.83	1:02.58	1:18.28	1:34.12	1:49.11	2:03.92	2:18.76	2:33.40
100m	14.77	15.73	15.33	16.75	15.70	15.84	14.99	14.81	14.84	14.64
400m				1:02.58				1:01.34		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.18	3:00.71	3:14.08	3:27.38	3:40.60					
100m	13.78	13.53	13.37	13.30	13.22					
400m		56.79								

1176	Iguider, Abdalaati (MAR)	Posn. 6
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.21	30.28	45.75	1:02.56	1:18.28	1:34.06	1:49.25	2:04.13	2:18.89	2:33.56
100m	14.21	16.07	15.47	16.81	15.72	15.78	15.19	14.88	14.76	14.67
400m				1:02.56				1:01.57		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.19	3:00.49	3:13.75	3:27.21	3:40.76					
100m	13.63	13.30	13.26	13.46	13.55					
400m		56.36								

649	Mathews, Luke (AUS)	Posn. 7
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.09	30.26	46.00	1:02.78	1:18.69	1:34.43	1:49.67	2:04.44	2:19.10	2:33.82
100m	14.09	16.17	15.74	16.78	15.91	15.74	15.24	14.77	14.66	14.72
400m				1:02.78				1:01.66		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.38	3:00.81	3:14.23	3:27.52	3:40.91					
100m	13.56	13.43	13.42	13.29	13.39					
400m		56.37								

983	Wightman, Jake (GBR)	Posn. 8
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.39	30.69	46.26	1:03.08	1:18.64	1:34.50	1:49.79	2:04.42	2:19.21	2:33.87
100m	14.39	16.30	15.57	16.82	15.56	15.86	15.29	14.63	14.79	14.66
400m				1:03.08				1:01.34		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.35	3:00.53	3:14.03	3:27.61	3:41.79					
100m	13.48	13.18	13.50	13.58	14.18					
400m		56.11								

1361	Musagala, Ronald (UGA)	Posn. 9
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.19	30.45	46.17	1:02.93	1:18.96	1:34.73	1:49.66	2:04.60	2:19.07	2:33.91
100m	14.19	16.26	15.72	16.76	16.03	15.77	14.93	14.94	14.47	14.84
400m				1:02.93				1:01.67		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.62	3:00.95	3:14.23	3:28.10	3:42.01					
100m	13.71	13.33	13.28	13.87	13.91					
400m		56.35								

1250	Rozmys, Michal (POL)	Posn. 10
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.36	30.68	46.33	1:03.10	1:19.08	1:34.79	1:49.96	2:04.70	2:19.26	2:34.04
100m	14.36	16.32	15.65	16.77	15.98	15.71	15.17	14.74	14.56	14.78
400m				1:03.10				1:01.60		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.65	3:01.02	3:14.31	3:28.12	3:42.94					
100m	13.61	13.37	13.29	13.81	14.82					
400m		56.32								

987	Benitz, Timo (GER)									Posn. 11
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.58	30.69	46.26	1:02.99	1:19.08	1:34.85	1:50.00	2:04.78	2:19.46	2:34.12
100m	14.58	16.11	15.57	16.73	16.09	15.77	15.15	14.78	14.68	14.66
400m				1:02.99				1:01.79		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:47.90	3:01.30	3:14.90	3:29.04	3:44.38					
100m	13.78	13.40	13.60	14.14	15.34					
400m		56.52								

1373	Andrews, Robby (USA)									DNF
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.79	30.86	46.41	1:03.15	1:19.24	1:35.02	1:50.15	2:04.90	2:19.47	2:34.20
100m	14.79	16.07	15.55	16.74	16.09	15.78	15.13	14.75	14.57	14.73
400m				1:03.15				1:01.75		
	1100m	1200m	1300m	1400m	1500m					
Race Time										
100m										
400m										

Semi-final 2

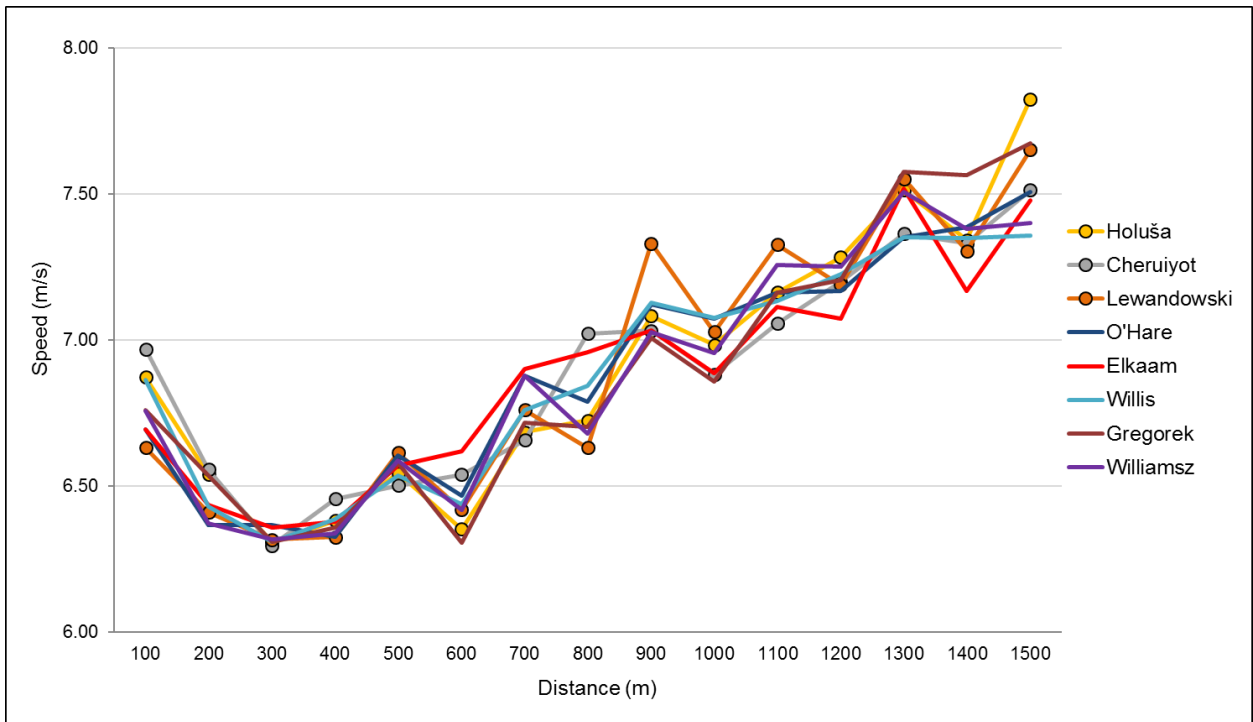


Figure 1. The mean speeds for each 100 m segment for the top eight athletes in Semi-final 2.

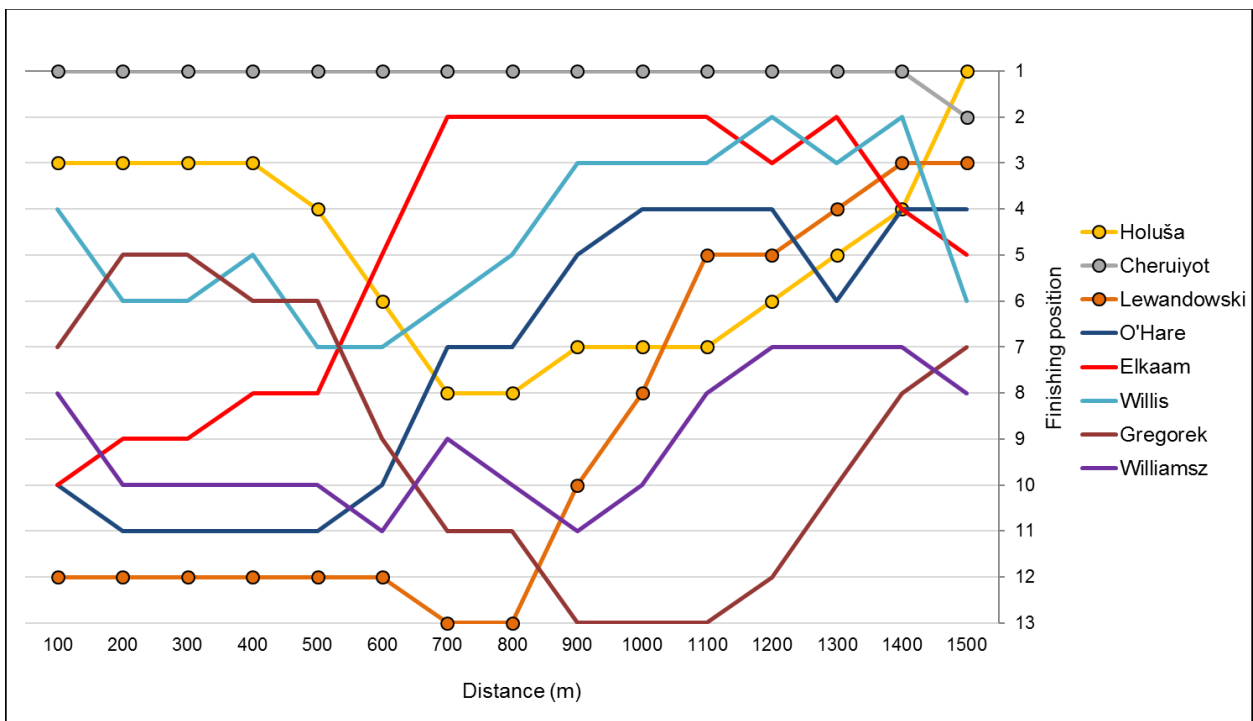


Figure 2. The position of the top eight athletes after each 100 m segment in Semi-final 2.

829	Holuša, Jakub (CZE) Q	Posn. 1
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.55	29.84	45.69	1:01.36	1:16.64	1:32.38	1:47.34	2:02.21	2:16.33	2:30.65
100m	14.55	15.29	15.85	15.67	15.28	15.74	14.96	14.87	14.12	14.32
400m				1:01.36				1:00.85		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.61	2:58.34	3:11.65	3:25.27	3:38.05					
100m	13.96	13.73	13.31	13.62	12.78					
400m		56.13								

1128	Cheruiyot, Timothy (KEN) Q	Posn. 2
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.35	29.60	45.48	1:00.97	1:16.35	1:31.64	1:46.66	2:00.90	2:15.12	2:29.65
100m	14.35	15.25	15.88	15.49	15.38	15.29	15.02	14.24	14.22	14.53
400m				1:00.97				59.93		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:43.82	2:57.71	3:11.29	3:24.93	3:38.24					
100m	14.17	13.89	13.58	13.64	13.31					
400m		56.81								

1245	Lewandowski, Marcin (POL) Q	Posn. 3
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.08	30.68	46.51	1:02.32	1:17.44	1:33.02	1:47.81	2:02.89	2:16.53	2:30.76
100m	15.08	15.60	15.83	15.81	15.12	15.58	14.79	15.08	13.64	14.23
400m				1:02.32				1:00.57		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.41	2:58.32	3:11.56	3:25.25	3:38.32					
100m	13.65	13.91	13.24	13.69	13.07					
400m		55.43								

971	O'Hare, Chris (GBR) Q	Posn. 4
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.94	30.65	46.36	1:02.17	1:17.31	1:32.77	1:47.31	2:02.04	2:16.08	2:30.22
100m	14.94	15.71	15.71	15.81	15.14	15.46	14.54	14.73	14.04	14.14
400m				1:02.17				59.87		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.18	2:58.13	3:11.73	3:25.27	3:38.59					
100m	13.96	13.95	13.60	13.54	13.32					
400m		56.09								

1175	Elkaam, Fouad (MAR) Q	Posn. 5
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.94	30.48	46.21	1:01.89	1:17.11	1:32.22	1:46.71	2:01.08	2:15.30	2:29.82
100m	14.94	15.54	15.73	15.68	15.22	15.11	14.49	14.37	14.22	14.52
400m				1:01.89				59.19		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:43.88	2:58.02	3:11.32	3:25.27	3:38.64					
100m	14.06	14.14	13.30	13.95	13.37					
400m		56.94								

1224	Willis, Nicholas (NZL) q	Posn. 6
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.57	30.12	45.97	1:01.63	1:16.93	1:32.46	1:47.25	2:01.86	2:15.89	2:30.02
100m	14.57	15.55	15.85	15.66	15.30	15.53	14.79	14.61	14.03	14.13
400m				1:01.63				1:00.23		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.04	2:57.88	3:11.48	3:25.09	3:38.68					
100m	14.02	13.84	13.60	13.61	13.59					
400m		56.02								

1396	Gregorek, John (USA) q	Posn. 7
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.79	30.09	45.94	1:01.67	1:16.87	1:32.73	1:47.62	2:02.54	2:16.81	2:31.39
100m	14.79	15.30	15.85	15.73	15.20	15.86	14.89	14.92	14.27	14.58
400m				1:01.67				1:00.87		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.35	2:59.23	3:12.43	3:25.65	3:38.68					
100m	13.96	13.88	13.20	13.22	13.03					
400m		56.69								

657	Williamsz, Jordan (AUS)	Posn. 8
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.80	30.49	46.32	1:02.10	1:17.28	1:32.86	1:47.40	2:02.37	2:16.60	2:30.98
100m	14.80	15.69	15.83	15.78	15.18	15.58	14.54	14.97	14.23	14.38
400m				1:02.10				1:00.27		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.76	2:58.55	3:11.87	3:25.42	3:38.93					
100m	13.78	13.79	13.32	13.55	13.51					
400m		56.18								

1139	Kwemoi, Ronald (KEN)	Posn. 9
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.69	30.32	46.17	1:02.01	1:17.17	1:32.58	1:47.53	2:02.31	2:16.51	2:31.17
100m	14.69	15.63	15.85	15.84	15.16	15.41	14.95	14.78	14.20	14.66
400m				1:02.01				1:00.30		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.95	2:58.84	3:12.20	3:26.02	3:39.47					
100m	13.78	13.89	13.36	13.82	13.45					
400m		56.53								

1011	Tesfaye, Homiyu (GER)	Posn. 10
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.12	30.71	46.58	1:02.38	1:17.45	1:33.02	1:47.70	2:02.76	2:16.75	2:31.16
100m	15.12	15.59	15.87	15.80	15.07	15.57	14.68	15.06	13.99	14.41
400m				1:02.38				1:00.38		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.08	2:59.01	3:12.17	3:25.65	3:39.72					
100m	13.92	13.93	13.16	13.48	14.07					
400m		56.25								

1304	Berglund, Kalle (SWE)	Posn. 11
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.38	29.70	45.63	1:01.14	1:16.51	1:32.00	1:47.19	2:02.02	2:16.49	2:30.89
100m	14.38	15.32	15.93	15.51	15.37	15.49	15.19	14.83	14.47	14.40
400m				1:01.14				1:00.88		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.14	2:59.04	3:12.68	3:26.48	3:40.05					
100m	14.25	13.90	13.64	13.80	13.57					
400m		57.02								

739	Seurei, Benson Kiplagat (BRN)	Posn. 12
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.80	30.31	46.09	1:01.79	1:16.55	1:31.84	1:47.03	2:01.81	2:16.23	2:30.47
100m	14.80	15.51	15.78	15.70	14.76	15.29	15.19	14.78	14.42	14.24
400m				1:01.79				1:00.02		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:44.58	2:58.79	3:12.44	3:26.57	3:40.96					
100m	14.11	14.21	13.65	14.13	14.39					
400m		56.98								

1201	Douma, Richard (NED)	Posn. 13
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.60	29.89	45.77	1:01.45	1:16.74	1:32.19	1:46.93	2:01.40	2:15.94	2:30.49
100m	14.60	15.29	15.88	15.68	15.29	15.45	14.74	14.47	14.54	14.55
400m				1:01.45				59.95		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:45.24	3:00.08	3:15.28	3:31.18	3:47.74					
100m	14.75	14.84	15.20	15.90	16.56					
400m		58.68								

Final

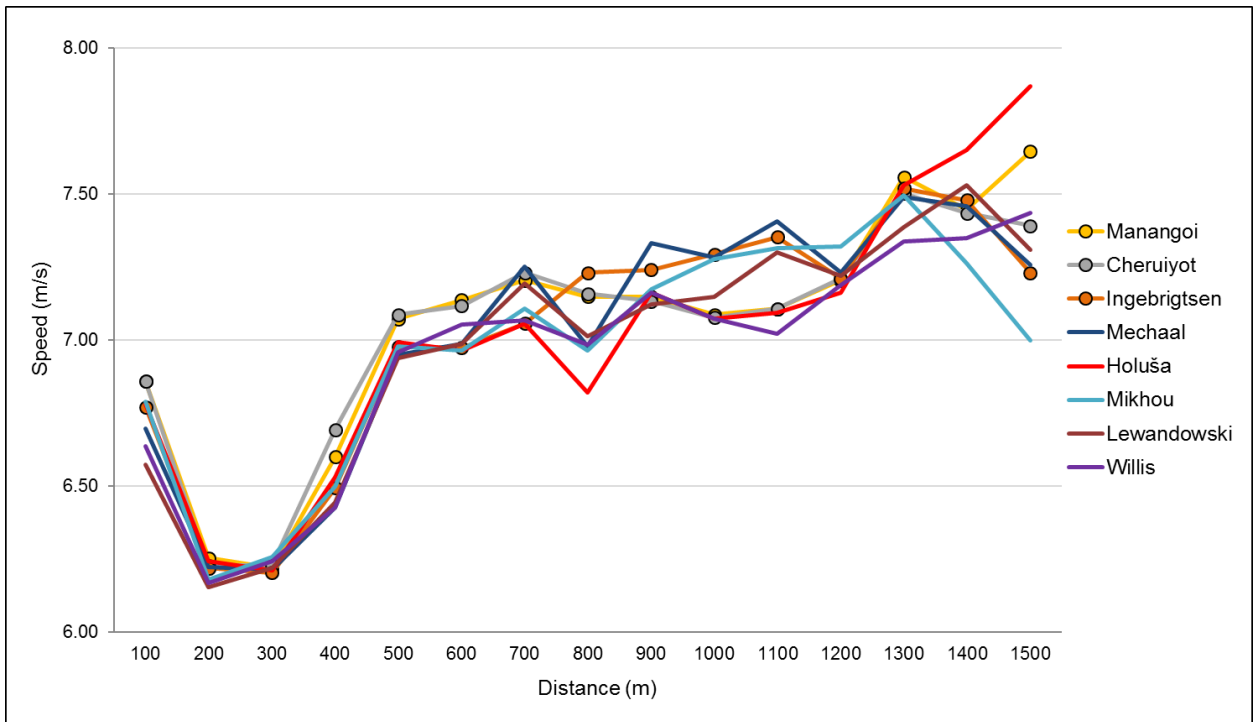


Figure 1. The mean speeds for each 100 m segment for the top eight athletes in the Final.

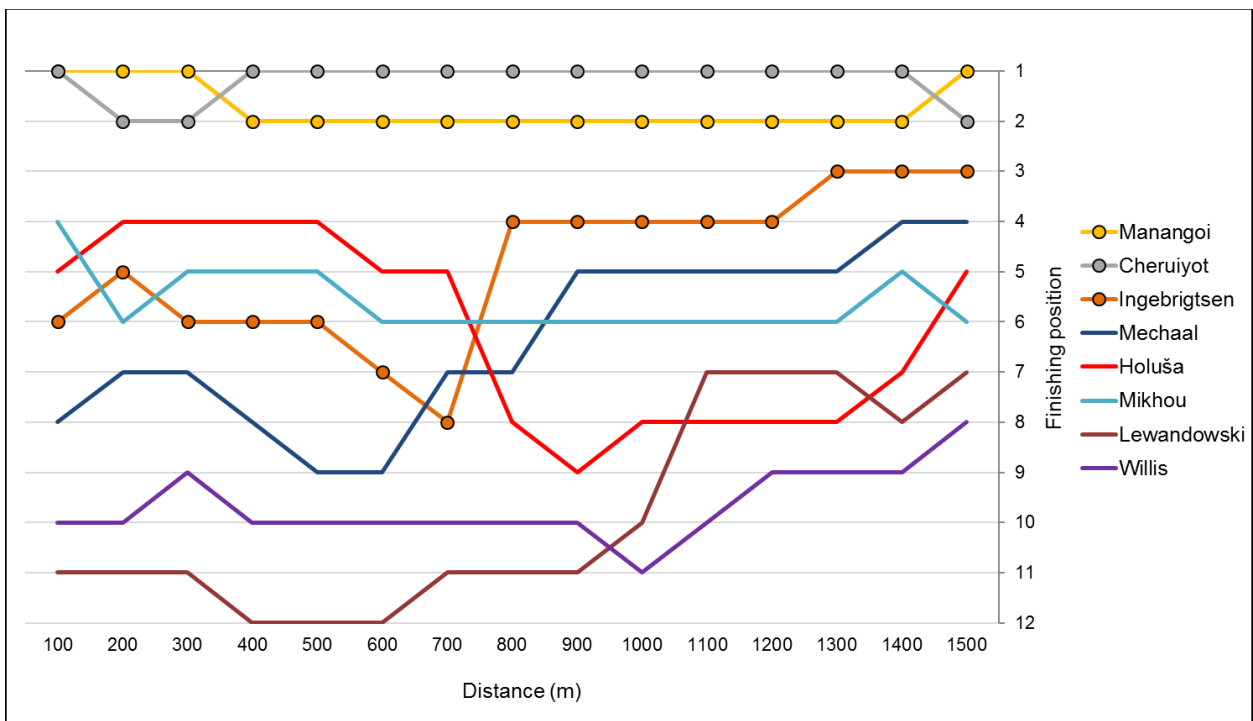


Figure 2. The position of the top eight athletes after each 100 m segment in the Final.

1140	Manangoi, Elijah Motonei (KEN)	Posn. 1
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.58	30.57	46.65	1:01.80	1:15.94	1:29.95	1:43.83	1:57.82	2:11.81	2:25.92
100m	14.58	15.99	16.08	15.15	14.14	14.01	13.88	13.99	13.99	14.11
400m				1:01.80				56.02		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:39.99	2:53.87	3:07.10	3:20.53	3:33.61					
100m	14.07	13.88	13.23	13.43	13.08					
400m		56.05								

1128	Cheruiyot, Timothy (KEN)	Posn. 2
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.58	30.64	46.69	1:01.63	1:15.74	1:29.79	1:43.62	1:57.59	2:11.61	2:25.74
100m	14.58	16.06	16.05	14.94	14.11	14.05	13.83	13.97	14.02	14.13
400m				1:01.63				55.96		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:39.81	2:53.68	3:07.01	3:20.46	3:33.99					
100m	14.07	13.87	13.33	13.45	13.53					
400m		56.09								

1210	Ingebrigtsen, Filip (NOR)	Posn. 3
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.77	30.85	46.97	1:02.37	1:16.70	1:31.04	1:45.21	1:59.04	2:12.85	2:26.56
100m	14.77	16.08	16.12	15.40	14.33	14.34	14.17	13.83	13.81	13.71
400m				1:02.37				56.67		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:40.16	2:54.03	3:07.33	3:20.70	3:34.53					
100m	13.60	13.87	13.30	13.37	13.83					
400m		54.99								

874	Mechaal, Adel (ESP)	Posn. 4
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.93	31.00	47.09	1:02.65	1:17.04	1:31.35	1:45.14	1:59.47	2:13.11	2:26.84
100m	14.93	16.07	16.09	15.56	14.39	14.31	13.79	14.33	13.64	13.73
400m				1:02.65				56.82		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:40.34	2:54.17	3:07.52	3:20.93	3:34.71					
100m	13.50	13.83	13.35	13.41	13.78					
400m		54.70								

829	Holuša, Jakub (CZE)	Posn. 5
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.75	30.77	46.87	1:02.18	1:16.48	1:30.84	1:45.01	1:59.67	2:13.63	2:27.77
100m	14.75	16.02	16.10	15.31	14.30	14.36	14.17	14.66	13.96	14.14
400m				1:02.18				57.49		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:41.87	2:55.83	3:09.11	3:22.18	3:34.89					
100m	14.10	13.96	13.28	13.07	12.71					
400m		56.16								

737	Mikhou, Sadik (BRN)	Posn. 6
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.73	30.91	46.89	1:02.28	1:16.61	1:30.97	1:45.04	1:59.40	2:13.34	2:27.08
100m	14.73	16.18	15.98	15.39	14.33	14.36	14.07	14.36	13.94	13.74
400m				1:02.28				57.12		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:40.75	2:54.41	3:07.75	3:21.52	3:35.81					
100m	13.67	13.66	13.34	13.77	14.29					
400m		55.01								

1245	Lewandowski, Marcin (POL)	Posn. 7
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.21	31.46	47.54	1:03.06	1:17.47	1:31.78	1:45.68	1:59.94	2:13.98	2:27.97
100m	15.21	16.25	16.08	15.52	14.41	14.31	13.90	14.26	14.04	13.99
400m				1:03.06				56.88		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:41.67	2:55.52	3:09.06	3:22.34	3:36.02					
100m	13.70	13.85	13.54	13.28	13.68					
400m		55.58								

1224	Willis, Nicholas (NZL)	Posn. 8
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.07	31.28	47.30	1:02.86	1:17.23	1:31.41	1:45.56	1:59.88	2:13.84	2:27.98
100m	15.07	16.21	16.02	15.56	14.37	14.18	14.15	14.32	13.96	14.14
400m				1:02.86				57.02		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:42.22	2:56.13	3:09.76	3:23.37	3:36.82					
100m	14.24	13.91	13.63	13.61	13.45					
400m		56.25								

1134	Kiprop, Asbel (KEN)	Posn. 9
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	15.44	31.65	47.71	1:03.00	1:16.74	1:30.64	1:44.21	1:58.07	2:12.04	2:26.16
100m	15.44	16.21	16.06	15.29	13.74	13.90	13.57	13.86	13.97	14.12
400m				1:03.00				55.07		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:40.09	2:53.98	3:07.41	3:21.78	3:37.24					
100m	13.93	13.89	13.43	14.37	15.46					
400m		55.91								

1396	Gregorek, John (USA)	Posn. 10
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	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.95	31.24	47.36	1:02.77	1:17.23	1:31.66	1:45.83	2:00.23	2:14.25	2:28.37
100m	14.95	16.29	16.12	15.41	14.46	14.43	14.17	14.40	14.02	14.12
400m				1:02.77				57.46		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:42.43	2:56.38	3:10.00	3:23.75	3:37.56					
100m	14.06	13.95	13.62	13.75	13.81					
400m		56.15								

1175	Elkaam, Fouad (MAR)									Posn. 11
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.89	31.07	47.17	1:02.50	1:16.83	1:31.17	1:45.37	1:59.70	2:13.51	2:27.55
100m	14.89	16.18	16.10	15.33	14.33	14.34	14.20	14.33	13.81	14.04
400m				1:02.50				57.20		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:42.05	2:56.62	3:10.48	3:24.49	3:37.72					
100m	14.50	14.57	13.86	14.01	13.23					
400m		56.92								

971	O'Hare, Chris (GBR)									Posn. 12
	100m	200m	300m	400m	500m	600m	700m	800m	900m	1000m
Race Time	14.61	30.65	46.75	1:01.96	1:16.22	1:30.43	1:44.80	1:59.23	2:13.45	2:27.89
100m	14.61	16.04	16.10	15.21	14.26	14.21	14.37	14.43	14.22	14.44
400m				1:01.96				57.27		
	1100m	1200m	1300m	1400m	1500m					
Race Time	2:42.73	2:57.09	3:10.94	3:24.33	3:38.28					
100m	14.84	14.36	13.85	13.39	13.95					
400m		57.86								

COACH'S COMMENTARY

Interestingly, right before the start of the 1500 m final, Kenyan teammates Elijah Manangoi, Timothy Cheruiyot and Asbel Kiprop embraced in a huddle on the track either wishing each other luck, praying to a higher power or, perhaps, finalising team tactics. Indeed, as the only two incoming athletes with a sub 3:30 seasonal best (as well as personal best) clocking over 1500 m, Kenyan training partners Manangoi and Cheruiyot looked in good form and the two to beat, whereas Kiprop was vying for his 4th World Championship win in a row. A notable absence from the final was the 2016 Olympic Champion Matthew Centrowitz of the USA.

It certainly looked like the pre-race Kenyan team huddle was about team tactics as from the gun Cheruiyot and Manangoi took immediate control of the race at the front, towing the field through in a slow but steady 61.6 s opening lap. Neither Cheruiyot nor Manangoi would relinquish the top two positions as they finished in silver and gold, respectively. After the first 400 m, Cheruiyot seriously wound up the pace taking Manangoi with him. Cheruiyot led from the 400 m mark until ~100 m to go in the race (for an impressive mid-race 1000 m split of 2:18.83) and proved to be an ideal rabbit for Manangoi, as he continually and steadily applied pace. Note that there were no sudden changes of pace: 100 m splits after 400 m where all within 0.6 s of each other with a very small coefficient of variation (CV) of pace of 2.1%. In contrast, a previous men's 1500 m analysis from the Beijing Olympics showed much greater 100 m split variability with a CV of 4.9%¹, and the current race was closer to the smoother paces seen in world records (pace CV of 2.9%^{1,2}). Probably the most important pacing take home message is that this race was not the usual men's 1500 m championship 'sit and kick' affair, which has dominated the event for at least the last 15 years³. This top two athlete gun-to-tape 1500 m final is an outlier in championship racing. Smooth mid-race accelerations, rather than aggressive accelerations (such as the one used by Kiprop to bridge the gap to his teammates from last to third place mid-race), would theoretically result in less utilisation of the finite anaerobic energy reserves mid-race, which would then be used for the end of race sprint home^{4,5}.

Although Manangoi has only been a 1500 m runner since 2014, he proved to be a wise tactician as he just sat in Cheruiyot's slipstream allowing him to lead until the final homestretch before bursting by him with the second-fastest final 100 m in the field (13.08 s) for the win. Indeed, even at typical elite running speeds, drafting has been shown to reduce energy (VO_2) cost by ~6% (at 6 m/s speeds) when running 20 cm behind the lead runner, which translates into ~4 s per lap in still air conditions⁶. However, most runners cannot not run this close, so the drafting advantage is closer to a ~2 to 4% reduction in VO_2 (depending on position), or ~1 to 2 s per lap at 6 m/s speed. However, given the very low overall winds presenting throughout the entire London World Championships (due to closed-in stadium design), the impact of wind on front running O_2 cost was generally only the energy cost of overcoming air resistance, which is much less than running

into head winds. Therefore, in this context, front running can be a sensible tactical move to stay out of trouble (e.g., boxed in, elbowed), to dictate the pace the athlete wants, to run on the rail (shortest distance) and finally be at the front where your odds of winning improve over the last 400 m. However, this tactical approach still needs to be weighed against the greater O_2 cost of front running in overcoming air resistance even in still conditions (+ ~7.5% increase in VO_2 to overcome air resistance while running at 6 m/s in still air⁶).

How else did Manangoi manage to win beyond, perhaps, his top ranking incoming 1500 m rank? Manangoi is a former 400 m specialist with a 46.5 s PB who also has a 1500 m PB of 3:28.80, which supports an emerging middle-distance mechanical construct with bioenergetics implications called anaerobic speed reserve (ASR)^{7,8}. ASR is the difference between an athlete's maximal sprint speed (MSS; e.g., peak velocity over a flying 30 m) and speed at VO_2 max. (vVO_2 max.). Therefore, two athletes with the same vVO_2 max., but differing MSS, will present a very different proportion of their ASR with 300 m to go, and the athlete with the higher MSS (and same vVO_2 max.) will be superior. However, from a physiological standpoint one also needs a world-class vVO_2 max. (or aerobic capacity and power) to be in the race with 300 m to go in the first place. Manangoi is graced with talent at both ends of this spectrum and appears poised to be a global threat over 1500 m for many years to come.

Norway's Filip Ingebrigtsen showed great race and pace judgment, as when the Kenyan acceleration appeared at 400 m Ingebrigtsen only slowly bridged the gap to reach the Kenyans by the bell. Ingebrigtsen actually had a faster last 600 m than both Kenyans (1:21.68), to storm home in bronze, the first European to win a World Championship medal since 2003.

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