

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



*****				28.51 KATIE LATHAM	GBR 2022	1:00.13 ANNA POLYAKOVA	RUS 2015
WOMEN 25-29				28.53 LAURENCE FEDRIGO	SUI 2018	1:00.18 YUKO NAKANISHI	JPN 2010
*****				28.72 MASAKO KUROKI	JPN 2021	1:00.24 EMMA GAGE	GBR 2015
50 M. FREE				28.79 OLGA KLYUCHINKOVA	RUS 2014	1:00.80 ELINORE DE JONG	NED 2017
24.73 AMY SMITH	GBR 2013			28.83 JOHANNA ROAS	GER 2022	1:00.93 NADINE JONES	AUS 2014
25.00 M.LETANG	FRA 2020			100 M. BACK		1:01.00 JENNIFER THATER	GER 2018
25.03 ANHELINA LYPINSKA	UKR 2021			1:00.63 YURIE OGA	JPN 2015	1:01.33 SHEILA TAORMINA	USA 1996
25.09 EMMA GAGE	GBR 2015			1:01.23 G.WOJTOWICZ	POL 2022	200 M. FLY	
25.29 JENNIFER THATER	GER 2018			1:01.65 OLGA KLYUCHINKOVA	RUS 2014	2:09.64 YUKO NAKANISHI	JPN 2010
25.42 SUMIKA KOMATSU	JPN 2006			1:01.76 MARINA SPADONI	USA 2018	2:16.37 MASAKO KUROKI	JPN 2019
25.52 L.LOPEZ	USA 2017			1:01.93 MARIA UGOLKOVA	SUI 2018	2:17.11 LISA STAMM	GER 2017
25.53 NATHALIE LARSSON	SWE 2014			1:02.07 MASAKO KUROKI	JPN 2018	2:17.13 S. PALMER-WHITE	AUS 1991
25.59 YAYOI MATSUMOTO	JPN 2019			1:02.23 JOHANNA ROAS	GER 2022	2:17.19 HITOMI MATSUDA	JPN 2006
25.61 HANNAH KEEN	GBR 2012			1:02.32 AKIKO MIZUMOTO	JPN 2007	2:17.26 ANNA MARKOVA	RUS 2014
100 M. FREE				1:02.48 KANA OHASHI	JPN 2007	2:17.30 ANNA POLYAKOVA	RUS 2015
54.16 AMY SMITH	GBR 2013			1:02.58 LAUREN LAVIGNA	CAN 2014	2:17.83 CLAIRE DONAHUE	USA 2015
54.44 YAYOI MATSUMOTO	JPN 2019			200 M. BACK		2:17.87 SABRINA MARZAHN	GER 2016
54.53 EMMA GAGE	GBR 2015			2:12.84 KANA OHASHI	JPN 2005	2:18.16 SITA KUSSEROW	GER 2019
54.92 MARJOLEIN DELNO	NED 2020			2:13.00 K.BARANOWSKA	GER 2015	100 M. I.M.	
55.06 L.LOPEZ	USA 2017			2:14.77 LIA OBERSTAR	USA 2001	1:01.79 MASAKO KUROKI	JPN 2019
55.28 MARIA FUSTER	ESP 2012			2:15.67 VALENTINA LUCCONI	ITA 2017	1:02.17 MARIA UGOLKOVA	SUI 2018
55.28 HANNA SHCHERBA	FRA 2010			2:16.29 ERIN CAMPBELL	USA 2013	1:02.29 PETRA CHOCOVA	CZE 2014
55.32 NADINE JONES	AUS 2014			2:16.35 LAUREN LAVIGNA	CAN 2014	1:03.41 MEGAN JENDRICK	USA 2011
56.12 JENNIFER THATER	GER 2015			2:16.45 MARION ZOLLER	GER 1995	1:03.62 A.LYAZEVA	RUS 2021
56.22 REBECCA GUY	GBR 2017			2:16.59 THERESE SVENDSEN	SWE 2016	1:03.67 HITOMI MATSUDA	JPN 2005
200 M. FREE				2:17.86 JOLANDA DE ROVER	NED 1992	1:03.72 AVA OHLGREN	ESP 2016
1:59.39 L.LOPEZ	USA 2017			2:18.22 KELLY HARRIGAN	USA 2010	1:03.79 ALISA RIEBENSAHM	GER 2018
1:59.61 YAYOI MATSUMOTO	JPN 2019			50 M. BRST		1:04.01 MARINA SPADONI	USA 2018
1:59.78 SHEILA TAORMINA	USA 1996			30.50 PETRA CHOCOVA	CZE 2014	1:04.06 ANNA KUZMICHEVA	RUS 2015
2:01.89 CAROLINE SAXBY	GBR 2011			30.91 LAURA KINLEY	GBR 2022	200 M. I.M.	
2:02.42 CHELSEA COLWILL	USA 2016			31.01 ANNA KUZMICHEVA	RUS 2015	2:17.17 HITOMI MATSUDA	JPN 2006
2:02.50 TATIANA BARBOSA	BRA 2007			31.59 NICOLE HEIDEMANN	GER 2011	2:17.35 ERIKO KATO	JPN 2009
2:02.91 VERONICA BALSANO	BRA 2014			31.66 KATHRYN JOHNSTONE	GBR 2019	2:17.51 MASAKO KUROKI	JPN 2018
2:03.77 ELINORE DE JONG	NED 2017			31.85 M.JEAN-LACHAPELLE	CAN 2019	2:17.54 ANNA MARKOVA	RUS 2014
2:04.10 LAURA FERNANDEZ	ESP 2015			31.87 MEGAN JENDRICK	USA 2010	2:19.33 LISA STAMM	GER 2017
2:04.59 HITOMI MATSUDA	JPN 2005			31.92 SUVI PULKKINEN	FIN 2015	2:19.48 CELINE BAILLOD	SUI 2007
400 M. FREE				31.95 YOSHIMI MIWA	JPN 2012	2:19.52 SOFIA STRIPPOLI	ITA 2019
4:15.74 SOPHIE CASSON	GBR 2013			32.02 LOUISE DALGAARD	DEN 2017	2:19.54 VERONICA BALSANO	BRA 2014
4:17.77 FLAVIA RIGAMONTI	USA 2007			100 M. BRST		2:20.34 AVA OHLGREN	ESP 2016
4:18.20 CAROLINE SAXBY	GBR 2011			1:06.83 PETRA CHOCOVA	CZE 2014	2:20.65 YUI FUSEYA	JPN 2022
4:18.54 MARION VD BERG	NED 2014			1:07.42 KATHRYN JOHNSTONE	GBR 2019	2:20.65 KADY IBELL	AUS 2021
4:24.18 SHEILA TAORMINA	USA 1996			1:08.67 RACHAEL WILSON	GBR 2016	400 M. I.M.	
4:25.58 PAULINE VANET	FRA 2019			1:09.38 GEORGINA HEYN	GBR 2011	4:44.98 K.BARANOWSKA	GER 2015
4:25.60 C.OESTRINGER	SUI 2017			1:09.40 ANNA KUZMICHEVA	RUS 2016	4:51.12 LISA STAMM	GER 2017
4:25.94 LYNN MARSHALL	CAN 1990			1:09.47 HOSOKOSHI SATORI	JPN 2020	4:52.13 HITOMI MATSUDA	JPN 2006
4:25.99 ANNA MARKOVA	RUS 2014			1:09.80 LINDA LUND	DEN 2009	4:52.81 ERIKO KATO	JPN 2009
4:26.18 DIANE GRANER	USA 1989			1:09.99 CHISATO KAMIYAMA	JPN 2022	4:55.85 KANA OHASHI	JPN 2006
800 M. FREE				1:10.04 MEGAN JENDRICK	USA 2012	4:56.01 CELINE BAILLOD	SUI 2008
8:51.18 SHEILA TAORMINA	USA 1996			1:10.17 KATIE HENDERSON	GBR 2009	4:56.98 ALESSANDRA CORTES	BRA 1999
8:53.14 C.OESTRINGER	SUI 2017			200 M. BRST		4:57.78 VERONICA BALSANO	BRA 2016
8:57.39 HITOMI MATSUDA	JPN 2006			2:28.33 HOSOKOSHI SATORI	JPN 2021	4:58.92 LOUISE STEVENSON	AUS 2009
8:57.67 SUSANNE KELLER	SUI 2009			2:29.80 MEGAN JENDRICK	USA 2012	4:59.20 AVA OHLGREN	ESP 2016
9:00.84 PAULA WOOD	GBR 2007			2:30.29 KATIE HENDERSON	GBR 2009	*****	
9:07.19 S. PALMER-WHITE	AUS 1991			2:30.52 PETRA CHOCOVA	CZE 2015	WOMEN 30-34	
9:07.78 ANNA MARKOVA	RUS 2014			2:30.83 CHISATO FUJISIMA	JPN 2020	*****	
9:08.09 MARIE ATKINSON	GBR 2001			2:31.18 HITOMI MATSUDA	JPN 2006	50 M. FREE	
9:10.07 ALISA FATUM	GER 2022			2:31.30 KATHRYN JOHNSTONE	GBR 2019	25.17 S.KNYAGINIA	RUS 2014
9:10.85 LAURA LAJUNEN	FIN 2017			2:31.44 GEORGINA HEYN	GBR 2011	25.30 GRACIELE HERRMANN	PAR 2022
1500 M. FREE				2:32.28 CHISATO KAMIYAMA	JPN 2022	25.57 SUMIKA KOMATSU	JPN 2009
16:13.66 ISABELLE HARLE	GER 2015			2:32.73 RILEY WEST	CAN 2004	25.64 METTE JACOBSEN	DEN 2006
16:36.07 SHEILA TAORMINA	USA 1996			50 M. FLY		25.66 HANNAH KEEN	GBR 2019
16:47.66 SUSANNE KELLER	SUI 2009			26.14 ELINORE DE JONG	NED 2018	25.66 TATIANA BARBOSA	BRA 2008
17:00.63 HITOMI MATSUDA	JPN 2006			26.30 MASAKO IDA	JPN 2022	25.69 ERIKA ERNDL	USA 2012
17:16.61 LAURA LAJUNEN	FIN 2017			26.31 CLAIRE DONAHUE	USA 2015	25.77 HANNAH CALDAS	USA 2011
17:19.93 ALLISON ARNOLD	USA 2017			26.71 MASAKO KUROKI	JPN 2021	25.83 HITOMI MATSUDA	JPN 2010
17:20.28 MELODY REMNANT	AUS 2011			27.08 NADINE JONES	AUS 2014	25.84 EIDER FUENTES	ESP 2014
17:24.96 PAULA WOOD	GBR 2007			27.11 M.LETANG	FRA 2020	100 M. FREE	
17:25.08 KATIE KASTES	USA 2014			27.14 MOTOMI NAKAMURA	JPN 2013	54.75 ERIKA ERNDL	USA 2012
17:28.15 CATHERINE BREED	USA 2022			27.16 A.LYAZEVA	RUS 2021	55.03 MARIA UGOLKOVA	SUI 2019
50 M. BACK				27.20 AMY SMITH	GBR 2013	55.11 ALENA POPCHANKA	FRA 2009
27.88 YURIE OGA	JPN 2015			27.24 L.LOPEZ	USA 2017	55.59 TATIANA BARBOSA	BRA 2008
28.06 MIKA IKEDA	JPN 2015			100 M. FLY		56.29 ARA BERGILLOS	USA 2016
28.38 EMMA SCOBIE	GBR 2022			58.11 CLAIRE DONAHUE	USA 2015	56.32 HANNAH CALDAS	USA 2011
28.40 MARINA SPADONI	USA 2018			59.50 MASAKO KUROKI	JPN 2021	56.41 METTE JACOBSEN	DEN 2006
28.45 G.WOJTOWICZ	POL 2022			59.65 MARIA UGOLKOVA	SUI 2018	*****	

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56.48	PASCALE VERBAUWEN	BEL	1993	2:17.04	CARLA STAMPFLI	SUI	2017	1:02.52	ERIKA ERNDL	USA	2012
56.49	HITOMI MATSUDA	JPN	2010	2:17.33	ROBERTA IOPPI	ITA	2016	1:02.55	HITOMI MATSUDA	JPN	2010
56.73	VERONICA BALSANO	BRA	2019	2:17.93	RACHAEL KEIR	GBR	2016	1:02.89	THERESA MICHALAK	USA	2022
200 M. FREE				2:18.19	JOANNA CORBEN	GBR	2002	1:03.31	PETRA CHOCOVA	CZE	2016
2:00.73	VERONICA BALSANO	BRA	2018	2:18.90	LYDIA VERO	ESP	2021	1:03.94	SOPHIE TURBAN	FRA	2017
2:02.03	SOPHIE CASSON	GBR	2017	50 M. BRST				1:04.05	ASAMI KITAGAWA	JPN	2018
2:02.60	HITOMI MATSUDA	JPN	2010	31.02	PETRA CHOCOVA	CZE	2016	1:04.07	GEORGINA HEYN	GBR	2016
2:03.91	CAROLINE SAXBY	GBR	2013	31.12	BRITTA STEVENS	GER	2003	1:04.30	ROSER VIVES	ESP	2014
2:04.64	K PIPES-NEILSEN	USA	1996	31.35	NICOLE HEIDEMANN	GER	2015	200 M. I.M.			
2:04.65	CHELSEA B NAUTA	USA	2021	31.71	HITOMI MATSUDA	JPN	2010	2:13.41	HITOMI MATSUDA	JPN	2009
2:04.98	LYNN MARSHALL	CAN	1991	31.73	GEORGINA HEYN	GBR	2018	2:16.52	SOPHIE TURBAN	FRA	2016
2:05.19	RACHAEL KEIR	GBR	2016	32.13	N.VINOKURENKOVA	RUS	2013	2:17.01	N.VINOKURENKOVA	RUS	2014
2:05.68	BETTINA MERKLE	GER	2019	32.17	HANNAH CALDAS	USA	2011	2:18.79	K.PIPES-NEILSEN	USA	1996
2:05.94	BARBARA KEHBEIN	GER	2000	32.24	SUVI PULKKINEN	FIN	2018	2:18.89	WENKE HANSEN	USA	2000
400 M. FREE				32.30	ASAMI KITAGAWA	JPN	2018	2:18.99	VERONICA BALSANO	BRA	2019
4:14.56	SOPHIE CASSON	GBR	2017	32.72	SOPHIE TURBAN	FRA	2018	2:19.07	KANA YAMAGUCHI	JPN	2010
4:17.82	DAWN HECKMAN	USA	2011	32.72	YUKO SAKAGUCHI	JPN	2010	2:21.23	MARISSA CLAPP	USA	2017
4:18.86	HITOMI MATSUDA	JPN	2010	100 M. BRST				2:21.37	ASAMI KITAGAWA	JPN	2018
4:20.26	BROOKE BENNETT	USA	2012	1:06.98	HITOMI MATSUDA	JPN	2010	2:21.46	KATHARINA FISCHER	GER	2022
4:21.80	CAROLINE SAXBY	GBR	2013	1:08.46	PETRA CHOCOVA	CZE	2016	400 M. I.M.			
4:22.63	VERONICA BALSANO	BRA	2018	1:09.25	NICOLE HEIDEMANN	GER	2016	4:45.07	HITOMI MATSUDA	JPN	2010
4:22.70	K PIPES-NEILSEN	USA	1996	1:09.30	GEORGINA HEYN	GBR	2017	4:50.66	N.VINOKURENKOVA	RUS	2014
4:22.75	YWETTA HLAVACOVA	CZE	2006	1:09.58	N.VINOKURENKOVA	RUS	2013	4:51.23	CHELSEA B NAUTA	USA	2019
4:22.77	ERIKA HANSEN	USA	2003	1:10.00	WENKE HANSEN	USA	2000	4:51.33	HIDEKO HIRANAKA	JPN	2004
4:23.81	CHIHIRO KOGA	JPN	2022	1:10.75	SOPHIE TURBAN	FRA	2017	4:53.69	VERONICA BALSANO	BRA	2021
800 M. FREE				1:11.33	SUSANNE HOCK	GER	2015	4:53.85	K PIPES-NEILSEN	USA	1996
8:38.58	DAWN HECKMAN	USA	2011	1:11.47	KATHRYN GILL	GBR	2019	4:54.95	MARISSA CLAPP	USA	2017
8:42.57	SOPHIE CASSON	GBR	2017	1:11.49	MARIONA COSTA	ESP	2010	4:55.62	KANA YAMAGUCHI	JPN	2010
8:53.61	BROOKE BENNETT	USA	2012	200 M. BRST				4:58.16	KANA OHASHI	JPN	2009
8:54.86	HITOMI MATSUDA	JPN	2010	2:26.96	HITOMI MATSUDA	JPN	2009	4:58.66	MAREN SPIETZACK	GER	2018
9:01.21	KIRSTEN CAMERON	NZL	2007	2:30.65	WENKE HANSEN	USA	2000	*****			
9:06.49	ERIKA HANSEN	USA	2003	2:32.71	GEORGINA HEYN	GBR	2018	WOMEN 35-39			
9:08.32	LYNN MARSHALL	CAN	1993	2:32.78	NICOLE HEIDEMANN	GER	2016	*****			
9:08.34	K.PIPES-NEILSEN	USA	1996	2:33.57	N.VINOKURENKOVA	RUS	2014	50 M. FREE			
9:11.69	RACHAEL KEIR	GBR	2016	2:33.63	ADELINE THENOT	FRA	2022	25.10	DARA TORRES	USA	2006
9:14.03	ASA NEIJ	SWE	2004	2:33.94	PETRA CHOCOVA	CZE	2016	25.82	SANDRA KAZIKOVA	CZE	2011
1500 M. FREE				2:35.00	KATHRYN GILL	GBR	2019	25.91	OLESYA BOUROVA	ITA	2015
16:26.93	DAWN HECKMAN	USA	2011	2:35.60	ULRIKE GERNER	GER	2013	25.93	JOHANNA SJOBERG	SWE	2016
17:01.56	KIRSTEN CAMERON	NZL	2007	2:35.72	KATIE HENDERSON	GBR	2011	26.00	IRINA SHLEMOVA	RUS	2022
17:02.39	SOPHIE CASSON	GBR	2018	50 M. FLY				26.05	M.VALKO	USA	2011
17:13.38	HITOMI MATSUDA	JPN	2007	26.70	MARIA UGOLKOVA	SUI	2019	26.11	CLAIRE VILSHED	SWE	2018
17:21.99	LYNN MARSHALL	CAN	1992	26.79	MARTINA MORAVCOVA	USA	2006	26.13	S.NEILSON-BELL	USA	1995
17:23.60	KAREN BURTON	USA	1994	27.08	YUKA KATO	JPN	2016	26.18	KATJA OTTO	GER	2019
17:25.33	BROOKE BENNETT	USA	2011	27.08	S.KNYAGINIA	RUS	2014	26.22	LAURA ROCA	ESP	2016
17:33.66	KELLY HIGGINS	AUS	2011	27.30	IRINA SHLEMOVA	RUS	2016	100 M. FREE			
17:44.19	ALISON ZAMANIAN	USA	2004	27.81	METTE JACOBSEN	DEN	2006	54.95	DARA TORRES	USA	2006
17:46.97	JACQUI ROBINSON	AUS	2005	27.84	SUVI PULKKINEN	FIN	2020	57.12	LAURA ROCA	ESP	2015
50 M. BACK				27.89	ANNA POLYAKOVA	RUS	2019	57.48	ZOE CRAY	GBR	2010
27.43	MAI NAKAMURA	JPN	2009	27.92	NORIKO INADA	USA	2011	57.60	HITOMI MATSUDA	JPN	2014
27.61	NORIKO INADA	USA	2009	100 M. FLY				57.65	K PIPES-NEILSEN	USA	2000
28.95	CARLA STAMPFLI	SUI	2016	59.08	MARIA UGOLKOVA	SUI	2019	57.79	KARIN SEICK	GER	1996
28.99	METTE JACOBSEN	DEN	2006	59.11	MARTINA MORAVCOVA	USA	2006	57.80	ELISABETH PHARR	FRA	2019
29.28	ALENA NYVITOVA	CZE	2013	59.82	ANNA POLYAKOVA	RUS	2016	57.84	MARIETTA UHLE	GER	2018
29.37	NATASHA SUNDIN	SWE	2020	1:00.11	METTE JACOBSEN	DEN	2006	57.94	R.CRESCENTINI	ITA	2014
29.41	RYO SAWADA	JPN	2019	1:00.34	ERIKA ERNDL	USA	2012	57.99	VERONICA BALSANO	BRA	2022
29.44	NADINE ROLLAND	CAN	2005	1:00.35	HITOMI MATSUDA	JPN	2008	200 M. FREE			
29.47	KATY SEXTON	GBR	2016	1:01.19	CLAUDIA BECK	GER	2011	2:03.12	HITOMI MATSUDA	JPN	2012
29.53	KANA YAMAGUCHI	JPN	2012	1:01.83	S.TURBAN	FRA	2017	2:03.13	VERONICA BALSANO	BRA	2022
100 M. BACK				1:02.39	NADINE ROLLAND	CAN	2005	2:03.56	K PIPES-NEILSEN	USA	1997
59.53	NORIKO INADA	USA	2009	1:02.61	JENNIFER THATER	GER	2021	2:04.92	LAURA ROCA	ESP	2015
1:00.90	KANA YAMAGUCHI	JPN	2010	200 M. FLY				2:05.07	SOPHIE CASSON	GBR	2020
1:02.23	CARLA STAMPFLI	SUI	2016	2:13.09	HITOMI MATSUDA	JPN	2008	2:05.70	KIRSTEN CAMERON	NZL	2010
1:02.26	MARIA UGOLKOVA	SUI	2019	2:18.41	VERONICA BALSANO	BRA	2018	2:06.18	LAUREN WELTING	USA	2000
1:02.88	METTE JACOBSEN	DEN	2006	2:19.34	LAURA BIANZANI	ITA	2004	2:06.68	E.CHAMBON-PHARR	FRA	2018
1:03.36	K.PIPES-NEILSEN	USA	1996	2:19.34	KATRINA RADKE	USA	2003	2:06.86	JILL HERNANDEZ	USA	1999
1:03.42	KATHARINA FISCHER	GER	2022	2:19.64	K PIPES-NEILSEN	USA	1996	2:06.96	D GRANER GALLAS	USA	1999
1:03.81	KELLY HARRIGAN	USA	2014	2:20.41	L. CARVALHO	AUS	2011	400 M. FREE			
1:03.89	SOPHIE CASSON	GBR	2018	2:20.53	T.BENISON	CAN	2018	4:22.56	K PIPES-NEILSEN	USA	1999
1:04.03	J HUDGELL	NZL	1986	2:21.21	FLORENCE CIOTTI	ITA	2006	4:24.56	LAUREN WELTING	USA	2000
200 M. BACK				2:21.70	EBBA ROSENQUIST	SWE	2019	4:25.52	CINDY BERTELINK	CAN	2013
2:11.86	KANA YAMAGUCHI	JPN	2012	2:21.85	VIKTORIA FELDOLDI	HUN	2019	4:25.57	SOPHIE CASSON	GBR	2022
2:12.47	L.OBERSTAR-BROWN	USA	2008	100 M. I.M.				4:26.00	HITOMI MATSUDA	JPN	2012
2:13.51	K.PIPES-NEILSEN	USA	1996	1:01.53	MARIA UGOLKOVA	SUI	2019	4:26.57	JILL HERNANDEZ	USA	1999
2:13.97	SOPHIE CASSON	GBR	2017	1:02.07	MARTINA MORAVCOVA	USA	2006	4:27.62	VALERIA VERGANI	ITA	2006
2:16.61	C.FERREIRA	USA	2017								

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4:28.12	MAREN SPIETZACK	GER	2022	1:10.59	KATIE GLENN	USA	2015	5:01.26	KANA OHASHI	JPN	2013
4:28.14	CYNTHIA LEWIS	USA	2014	1:10.65	LINLEY FRAME	AUS	2010	5:02.22	LAUREN WELTING	USA	2000
4:28.23	EMMA WILLS	GBR	2018	1:11.11	GEORGINA HEYN	GBR	2022	5:03.09	VERONICA BALSANO	BRA	2022
800 M. FREE				1:11.65	N.VINOKURENKOVA	RUS	2018	5:04.18	MAREN SPIETZACK	GER	2022
8:50.76	SOPHIE CASSON	GBR	2020	1:11.97	CAROLINE KRATTLI	USA	2000	5:07.20	CAROLINA BENEYTO	ESP	2015
8:57.30	KIRSTEN CAMERON	NZL	2010	200 M. BRST				5:08.03	CYNTHIA LEWIS	USA	2011
8:57.60	HEIDI GEORGE	USA	2015	2:30.63	HITOMI MATSUDA	JPN	2012	5:09.04	CINDY BERTELINK	CAN	2013
9:02.52	HITOMI MATSUDA	JPN	2012	2:32.68	DANIELLE HERRMANN	USA	2022	*****			
9:12.97	ALISON ZAMANIAN	USA	2006	2:33.73	CYNTHIA LEWIS	USA	2014	WOMEN 40-44			
9:13.05	ASA NEIJ	SWE	2008	2:34.85	BRITTA O'LEARY	USA	2022	*****			
9:14.27	LAURIE HUG	USA	2000	2:35.15	NICOLE HEIDEMANN	GER	2017	50 M. FREE			
9:14.70	EMMA WILLS	GBR	2018	2:36.04	CAROLINE KRATTLI	USA	2000	26.02	ERIKA BRAUN	USA	2014
9:14.92	KRISTINA ULVELING	USA	2008	2:36.27	GEORGINA HEYN	GBR	2019	26.28	KATJA OTTO	GER	2021
9:15.40	K PIPES-NEILSEN	USA	1998	2:36.84	YUKO MORITA	JPN	2012	26.39	OLESSIA BOUROVA	ITA	2020
1500 M. FREE				2:37.09	KJERSTI HERNAES	NOR	2018	26.40	MARIKA JOHANSSON	SWE	2008
16:52.94	HEIDI GEORGE	USA	2015	2:37.13	KATIE GLENN	USA	2015	26.50	LISA BLACKBURN	USA	2015
17:07.48	KIRSTEN CAMERON	NZL	2010	50 M. FLY				26.60	SANDRA KAZIKOVA	CZE	2016
17:26.96	EMMA WILLS	GBR	2018	27.29	DANIELLE HERRMANN	USA	2022	26.66	SOPHIA SKOU	DEN	2018
17:27.84	LAURIE HUG	USA	2000	27.45	NORIKO INADA	USA	2015	26.66	S.NEILSON-BELL	USA	1996
17:30.90	HITOMI MATSUDA	JPN	2014	27.76	IRINA SHLEMOVA	RUS	2019	26.67	EDITH OTTERMANN	RSA	2007
17:35.69	PENNY BOND	AUS	1997	27.83	JOHANNA SJOBERG	SWE	2016	26.69	EKATERINA YUDINA	RUS	2017
17:36.24	K PIPES-NEILSEN	USA	1999	27.96	ANNA POLYAKOVA	RUS	2021	100 M. FREE			
17:36.58	KRISTINA ULVELING	USA	2008	28.15	RINA HATANO	JPN	2021	57.08	ERIKA BRAUN	USA	2014
17:42.37	ASA NEIJ	SWE	2010	28.28	R.CRESCENTINI	ITA	2013	57.20	LISA BLACKBURN	USA	2015
17:43.10	BETH KNIGHT	USA	1994	28.30	GABRIELA KOSTKOVA	CZE	2014	57.55	S.VON DER LIPPE	USA	2008
50 M. BACK				28.37	GISELI PEREIRA	BRA	2009	57.60	K PIPES-NEILSEN	USA	2003
27.63	NORIKO INADA	USA	2016	28.44	MARIETTA UHLE	GER	2018	58.18	RAAKEL LUOTO	FIN	2017
28.68	SHERI HART	USA	2009	100 M. FLY				58.37	JENNIFER MIHALIK	USA	2021
29.00	GISELI PEREIRA	BRA	2009	1:01.31	CAROLINA SARRUF	BRA	2021	58.48	KATJA OTTO	GER	2021
29.34	ZOE CRAY	GBR	2009	1:01.88	HITOMI MATSUDA	JPN	2014	58.61	F.TRAVAGLINI	ITA	2016
29.74	ALISON LAMARE	FRA	2019	1:01.96	DIANE BUI DUYET	FRA	2015	58.70	KATIE GRIER	USA	2019
29.84	KANA OHASHI	JPN	2013	1:01.98	DANIELLE HERRMANN	USA	2022	58.79	ELISABETH PHARR	FRA	2022
29.85	KELLY M HARRIGAN	USA	2021	1:02.92	ANNA POLYAKOVA	RUS	2021	200 M. FREE			
29.91	CINDY MABEE	CAN	2008	1:03.00	ERIKA VILLAECIJA	ESP	2022	2:05.26	K PIPES-NEILSEN	USA	2003
30.05	VICTORIA READING	GBR	2022	1:03.07	DEBBIE YOUNGER	CAN	2005	2:05.55	S.VON DER LIPPE	USA	2008
30.17	RAQUEL GIL	ESP	2016	1:03.29	K PIPES-NEILSEN	USA	1997	2:05.90	CINDY BERTELINK	CAN	2016
100 M. BACK				1:03.32	MABI TSUKIOKA	JPN	2014	2:06.81	JILL HERNANDEZ	USA	2000
1:00.43	NORIKO INADA	USA	2017	1:03.35	RINA HATANO	JPN	2021	2:07.37	KATIE GLENN	USA	2018
1:02.36	SHERI HART	USA	2009	200 M. FLY				2:07.64	KIRSTEN CAMERON	GBR	2014
1:02.81	KANA OHASHI	JPN	2013	2:14.46	CAROLINA SARRUF	BRA	2021	2:08.30	VALERIA VERGANI	ITA	2013
1:03.11	GISELI PEREIRA	BRA	2009	2:16.67	HITOMI MATSUDA	JPN	2012	2:09.10	BIRGIT LOHBERG	USA	2009
1:03.38	ZOE CRAY	GBR	2009	2:18.41	K PIPES-NEILSEN	USA	1997	2:09.23	CYNTHIA LEWIS	USA	2015
1:03.56	K PIPES-NEILSEN	USA	1997	2:20.92	V.HADEN-FELFOLDI	HUN	2020	2:09.32	BARBARA KEHBEIN	GER	2013
1:03.88	KELLY M HARRIGAN	USA	2021	2:21.18	KYOKO YAMADA	JPN	2010	400 M. FREE			
1:04.38	CARLA STAMPFLI	SUI	2022	2:21.76	DEBBIE YOUNGER	CAN	2005	4:21.75	K PIPES-NEILSEN	USA	2003
1:04.61	CINDY MABEE	CAN	2008	2:22.52	ILDIKO SZEKELY	USA	2014	4:22.78	HEIDI GEORGE	USA	2017
1:04.71	ALISON LAMARE	FRA	2019	2:22.57	CARLA BECKMANN	GER	2019	4:24.22	JILL HERNANDEZ	USA	2000
200 M. BACK				2:23.32	L. CARVALHO	AUS	2017	4:24.42	KIRSTEN CAMERON	GBR	2014
2:13.37	KANA OHASHI	JPN	2013	2:23.55	ANNA SPIETZACK	GER	2022	4:26.19	CINDY BERTELINK	CAN	2016
2:14.10	K PIPES-NEILSEN	USA	1997	100 M. I.M.				4:28.58	VALERIA VERGANI	ITA	2013
2:14.49	GISELI PEREIRA	BRA	2009	1:03.17	HITOMI MATSUDA	JPN	2012	4:28.58	AMANDA PICARD	SUI	2008
2:15.50	KELLY M HARRIGAN	USA	2019	1:03.94	DANIELLE HERRMANN	USA	2022	4:30.34	KATIE GLENN	USA	2017
2:17.38	SOPHIE CASSON	GBR	2020	1:04.61	SHERI HART	USA	2009	4:32.29	ELISABETH PHARR	FRA	2022
2:17.61	C.J-SPONSELLER	SWE	2012	1:04.86	BRITTA O'LEARY	USA	2020	4:32.38	ALISON ZAMANIAN	USA	2011
2:19.82	JOANNA CORBEN	GBR	2006	1:04.88	GEORGINA HEYN	GBR	2022	800 M. FREE			
2:19.96	KANA MORIHISA	JPN	2017	1:05.01	LAURA ROCA	ESP	2017	8:55.34	KIRSTEN CAMERON	GBR	2016
2:22.03	HITOMI MATSUDA	JPN	2012	1:05.40	K PIPES-NEILSEN	USA	2000	8:55.95	HEIDI GEORGE	USA	2017
2:22.08	CINDY MABEE	CAN	2008	1:05.52	PETRA WEBER	CZE	2022	9:09.71	K PIPES-NEILSEN	USA	2003
50 M. BRST				1:05.53	ZOE CRAY	GBR	2009	9:16.07	AMANDA PICARD	SUI	2008
31.25	DANIELLE HERRMANN	USA	2022	1:05.91	LINDA LUND TIETZE	DEN	2019	9:18.17	ALISON ZAMANIAN	USA	2011
31.66	NICOLE HEIDEMANN	GER	2018	200 M. I.M.				9:19.15	VALERIA VERGANI	ITA	2012
31.86	PETRA WEBER	CZE	2022	2:17.69	HITOMI MATSUDA	JPN	2012	9:19.60	ELISABETH PHARR	FRA	2022
31.87	HITOMI MATSUDA	JPN	2012	2:19.08	K PIPES-NEILSEN	USA	2000	9:21.44	LYNN MARSHALL	CAN	2001
32.13	LINLEY FRAME	AUS	2010	2:20.63	N.VINOKURENKOVA	RUS	2018	9:25.42	REBECA SANTOS	ESP	2017
32.35	R.CRESCENTINI	ITA	2012	2:20.99	LAURA ROCA	ESP	2016	9:26.94	EMMA WILLS	GBR	2021
32.48	KATIE GLENN	USA	2015	2:22.19	CYNTHIA LEWIS	USA	2014	1500 M. FREE			
32.65	N.VINOKURENKOVA	RUS	2018	2:22.54	KANA OHASHI	JPN	2013	16:50.92	HEIDI GEORGE	USA	2017
32.86	GEORGINA HEYN	GBR	2021	2:22.63	BRITTA O'LEARY	USA	2021	17:01.66	KIRSTEN CAMERON	GBR	2015
32.89	ANNA-KARIN LUNDIN	SWE	2011	2:23.47	DEBBIE YOUNGER	CAN	2005	17:35.49	ALISON ZAMANIAN	USA	2010
100 M. BRST				2:23.52	MAREN SPIETZACK	GER	2022	17:36.73	VALERIA VERGANI	ITA	2013
1:08.59	DANIELLE HERRMANN	USA	2022	2:24.60	CINDY BERTELINK	CAN	2013	17:38.37	LYNN MARSHALL	CAN	2002
1:09.07	NICOLE HEIDEMANN	GER	2018	400 M. I.M.				17:45.50	K PIPES-NEILSEN	USA	2003
1:09.20	HITOMI MATSUDA	JPN	2012	4:52.83	K PIPES-NEILSEN	USA	1997	17:52.93	N.MUIR-COCHRANE	GBR	2004
1:09.41	CYNTHIA LEWIS	USA	2014	5:00.31	N.VINOKURENKOVA	RUS	2018	17:55.11	AMANDA PICARD	SUI	2009
1:10.03	PETRA WEBER	CZE	2022								

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17:56.81	EMMA WILLS	GBR	2021	28.86	SILVIA PAROCCHI	ITA	2007	57.89	ERIKA BRAUN	USA	2018
18:02.62	SUZANN HEIM-BOWEN	USA	1998	28.91	SOPHIA SKOU	DEN	2018	58.24	LISA BLACKBURN	USA	2017
50	M. BACK			28.99	M.GARCIA SANCHEZ	ESP	2022	58.43	MARIE FUZZATI	FRA	2014
29.11	RAAKEL LUOTO	FIN	2018	29.00	GABRIELA KOSTKOVA	CZE	2019	58.61	K.PIPES-NEILSEN	USA	2007
29.84	ZOE CRAY	GBR	2014	100	M. FLY			59.30	ANNA HAMMAR	SWE	2013
29.96	GISELI PEREIRA	BRA	2012	1:01.70	S.VON DER LIPPE	USA	2009	59.58	SARAH MACDONALD	CAN	2005
30.00	CINDY MABEE	CAN	2009	1:03.31	K PIPES-NEILSEN	USA	2003	59.64	BARBARA KEHBEIN	GER	2015
30.02	SHERI HART	USA	2012	1:03.76	SOPHIA SKOU	DEN	2015	59.68	R.CRESCENTINI	ITA	2020
30.12	KANA MORIHISA	JPN	2020	1:03.78	M.GARCIA SANCHEZ	ESP	2022	59.93	JENNIE BUCKNELL	AUS	2015
30.42	CRISTINA REY	ESP	2017	1:04.60	FRAUKE LABARRE	GER	2018	59.94	ANDREA KUTZ	GER	2017
30.55	ANDREA KUTZ	GER	2013	1:04.85	MABI TSUKIOKA	JPN	2022	200	M. FREE		
30.72	JODY SMITH	USA	2009	1:04.85	CINDY BERTELINK	CAN	2019	2:05.94	K.PIPES-NEILSEN	USA	2007
30.74	KRISTIN GARY	USA	2008	1:04.91	YOKO YAMAGUCHI	JPN	2010	2:07.28	KIRSTEN CAMERON	NED	2022
100	M. BACK			1:04.92	GABRIELA KOSTKOVA	CZE	2019	2:09.96	RAQUEL FERNANDEZ	ESP	2019
1:03.22	RAAKEL LUOTO	FIN	2018	1:04.93	SILVIA PAROCCHI	ITA	2006	2:10.32	ELLEN REYNOLDS	USA	2012
1:03.48	SHERI HART	USA	2011	200	M. FLY			2:10.47	BARBARA KEHBEIN	GER	2014
1:04.16	JENNIFER MIHALIK	USA	2021	2:20.66	SUSAN VD LIPPE	USA	2006	2:10.76	ERIKA L BRAUN	USA	2019
1:04.30	KANA MORIHISA	JPN	2019	2:20.71	K PIPES-NEILSEN	USA	2002	2:10.91	S HEIM-BOWEN	USA	2003
1:04.63	CINDY MABEE	CAN	2009	2:24.07	HITOMI MATSUDA	JPN	2017	2:10.94	MARIE FUZZATI	FRA	2014
1:05.43	K PIPES-NEILSEN	USA	2002	2:24.13	L. CARVALHO	AUS	2018	2:11.00	LYNN MARSHALL	CAN	2006
1:05.51	KRISTIN GARY	USA	2011	2:24.17	SOPHIA SKOU	DEN	2018	2:11.09	JENNY WHITELEY	AUS	2003
1:05.52	GISELI PEREIRA	BRA	2012	2:24.83	L. D. CARVALHO	AUS	2022	400	M. FREE		
1:05.91	JODY SMITH	USA	2009	2:25.30	JUDY BROWN	GBR	2005	4:24.86	HEIDI S GEORGE	USA	2021
1:06.21	C.J-SPONSELLER	SWE	2018	2:26.01	ILDIKO SZEKELY	USA	2019	4:25.34	K.PIPES-NEILSEN	USA	2009
200	M. BACK			2:26.07	BIRGIT LOHBERG	USA	2006	4:29.67	KIRSTEN CAMERON	AUS	2020
2:17.28	KANA MORIHISA	JPN	2018	2:26.15	BETH BAKER	USA	2001	4:30.98	S HEIM-BOWEN	USA	2003
2:17.29	JENNIFER MIHALIK	USA	2021	100	M. I.M.			4:33.09	LYNN MARSHALL	CAN	2006
2:19.06	JODY SMITH	USA	2009	1:04.19	LISA BLACKBURN	USA	2015	4:34.96	ALISON H ZAMANIAN	USA	2019
2:19.09	K PIPES-NEILSEN	USA	2003	1:04.25	S.VON DER LIPPE	USA	2008	4:35.44	VALERIA VERGANI	ITA	2016
2:21.95	JOANNA CORBEN	GBR	2012	1:04.62	RAAKEL LUOTO	FIN	2017	4:38.46	STEPHANIE STONE	USA	2014
2:22.02	CINDY MABEE	CAN	2009	1:05.56	K PIPES-NEILSEN	USA	2003	4:38.71	SUSANNA ROSEN	SWE	2010
2:22.14	GISELI PEREIRA	BRA	2014	1:06.23	CYNTHIA LEWIS	USA	2018	4:39.42	TIZIANA PAPANDREA	ITA	2020
2:22.68	KRISTIN GARY	USA	2008	1:06.49	KANA MORIHISA	JPN	2018	800	M. FREE		
2:23.22	SILVIA PAROCCHI	ITA	2006	1:06.90	ERIKA BRAUN	USA	2016	9:01.52	HEIDI S GEORGE	USA	2022
2:23.57	C.J-SPONSELLER	SWE	2018	1:06.91	SHERI HART	USA	2011	9:10.26	KIRSTEN CAMERON	AUS	2020
50	M. BRST			1:06.97	HITOMI MATSUDA	JPN	2018	9:11.37	K.PIPES-NEILSEN	USA	2009
31.81	NICOLE HEIDEMANN	GER	2022	1:07.03	ZOE CRAY	GBR	2014	9:21.65	LYNN MARSHALL	CAN	2006
32.16	KATIE GLENN	USA	2018	200	M. I.M.			9:21.83	ALISON ZAMANIAN	USA	2016
32.20	LINLEY FRAME	AUS	2012	2:19.21	S.VON DER LIPPE	USA	2007	9:25.12	SUSANNA ROSEN	SWE	2010
32.29	S.VON DER LIPPE	USA	2009	2:19.83	LISA BLACKBURN	USA	2015	9:27.44	SUZANN HEIM-BOWEN	USA	2004
33.03	R.CRESCENTINI	ITA	2015	2:20.55	K PIPES-NEILSEN	USA	2003	9:35.81	CLAUDIA KERN	GER	2009
33.16	ISABEL FIGUEIRA	POR	2019	2:22.51	JILL HERNANDEZ	USA	2000	9:39.79	DIANA SZOKOL	HUN	2017
33.40	LISA BLACKBURN	USA	2015	2:22.60	HITOMI MATSUDA	JPN	2017	9:40.50	MARGE CURRAN	USA	2007
33.67	CAROLINE KRATTLI	USA	2003	2:24.22	WENKE SEIDER	USA	2013	1500	M. FREE		
33.69	STEFANIA MONTI	ITA	2010	2:24.86	MIRELA SANCHEZ	ESP	2021	17:07.20	HEIDI S GEORGE	USA	2022
33.81	ANNA HAMMAR	SWE	2012	2:25.86	BIRGIT LOHBERG	USA	2006	17:22.01	ALISON ZAMANIAN	USA	2015
100	M. BRST			2:25.97	KANA MORIHISA	JPN	2018	17:27.87	KIRSTEN CAMERON	AUS	2020
1:09.95	CYNTHIA LEWIS	USA	2015	2:26.46	DAWN PALMER	GBR	2016	17:46.32	LYNN MARSHALL	CAN	2007
1:10.01	KATIE GLENN	USA	2017	400	M. I.M.			17:50.64	SUZANN HEIM-BOWEN	USA	2004
1:10.16	NICOLE HEIDEMANN	GER	2022	5:00.82	K PIPES-NEILSEN	USA	2002	17:57.50	VALERIA VERGANI	ITA	2016
1:10.22	LINLEY FRAME	AUS	2015	5:00.90	HITOMI MATSUDA	JPN	2017	18:22.34	STACEY L BRUCE	USA	2020
1:10.55	S.VON DER LIPPE	USA	2007	5:02.17	JILL HERNANDEZ	USA	2000	18:23.90	LAURIE HUG	USA	2011
1:11.95	HITOMI MATSUDA	JPN	2017	5:03.49	SUSAN VD LIPPE	USA	2006	18:28.87	NICOLE P VAN NOOD	USA	2019
1:12.08	CAROLINE KRATTLI	USA	2003	5:05.07	CYNTHIA LEWIS	USA	2015	18:34.32	NORMA CAHILL	IRL	2011
1:12.32	LISA BLACKBURN	USA	2013	5:06.66	MIRELA SANCHEZ	ESP	2021	50	M. BACK		
1:12.47	HELEN GORMAN	GBR	2014	5:08.31	CINDY BERTELINK	CAN	2017	29.52	RAAKEL LUOTO	FIN	2020
1:13.16	MARZENA KULIS	ITA	2007	5:11.10	VALERIA VERGANI	ITA	2013	30.25	CINDY MABEE	CAN	2014
200	M. BRST			5:12.94	DAWN PALMER	GBR	2016	30.49	ANDREA KUTZ	GER	2019
2:32.17	NICOLE HEIDEMANN	GER	2022	5:13.39	BIRGIT LOHBERG	USA	2006	30.58	K.PIPES-NEILSEN	USA	2007
2:32.37	S.VON DER LIPPE	USA	2008	*****				30.70	SUSAN WILLIAMS	USA	2013
2:34.92	HITOMI MATSUDA	JPN	2017	*****				30.82	MICHELLE WARE	GBR	2018
2:35.79	LINLEY FRAME	AUS	2011	*****				31.02	GISELI PEREIRA	BRA	2017
2:36.56	HELEN GORMAN	GBR	2014	*****				31.12	FALL WILLEBOORDSE	USA	2012
2:37.59	KATIE GLENN	USA	2018	50	M. FREE			31.14	LESLIE LIVINGSTON	USA	2010
2:38.20	CYNTHIA LEWIS	USA	2015	26.29	ERIKA BRAUN	USA	2018	31.15	ERIKA BRAUN	USA	2018
2:39.05	LISA BLACKBURN	CAN	2013	26.37	MARIE FUZZATI	FRA	2013	31.15	ELLEN REYNOLDS	USA	2011
2:39.10	CAROLINE KRATTLI	USA	2002	26.59	EDITH OTTERMANN	RSA	2011	100	M. BACK		
2:41.84	KJERSTI HERNAES	NOR	2019	26.91	ANDREA KUTZ	GER	2017	1:04.46	K.PIPES-NEILSEN	FRA	2009
50	M. FLY			26.94	JENNIE BUCKNELL	AUS	2015	1:04.49	CINDY MABEE	CAN	2014
28.13	GABRIELE BLANK	GER	2006	26.96	MARIKA JOHANSSON	SWE	2011	1:05.51	ELLEN REYNOLDS	USA	2012
28.19	ERIKA BRAUN	USA	2013	27.02	OLGA BORISOVA	RUS	2012	1:05.76	JOANNA CORBEN	GBR	2018
28.21	SUSAN VD LIPPE	USA	2005	27.09	K.PIPES-NEILSEN	USA	2007	1:06.05	C.J-SPONSELLER	SWE	2019
28.33	R.CRESCENTINI	ITA	2015	27.14	FALL WILLEBOORDSE	USA	2015	1:06.34	GISELI PEREIRA	BRA	2017
28.50	MABI TSUKIOKA	JPN	2022	27.16	AMY MOORHEAD	USA	2016	1:06.41	RAAKEL LUOTO	FIN	2022
28.80	RAAKEL LUOTO	FIN	2019	100	M. FREE			1:07.41	SUSAN WILLIAMS	USA	2011

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1:07.55	ERIKA BRAUN	USA	2018	2:28.26	LYNN MARSHALL	CAN	2006	4:33.86	ALISON ZAMANIAN	USA	2021
1:07.60	SYLVIE ALLERY	FRA	2015	2:29.23	FRANCA BOSISIO	ITA	2015	4:34.81	LYNN MARSHALL	CAN	2011
200 M. BACK				2:29.32	SUZANNE SIMPSON	USA	2005	4:35.54	S.HEIM-BOWEN	USA	2009
2:18.15	K.PIPES-NEILSEN	FRA	2009	2:30.21	ALISON ZAMANIAN	USA	2017	4:35.80	JILL HERNANDEZ	USA	2013
2:20.17	JOANNA CORBEN	GBR	2016	100 M. I.M.				4:40.46	ELLEN REYNOLDS	USA	2016
2:22.00	ELLEN REYNOLDS	USA	2012	1:01.56	DANIELA RALID	BRA	2019	4:40.53	CARLA GEURTS	NED	2022
2:23.92	CINDY MABEE	CAN	2016	1:05.61	K.PIPES-NEILSEN	FRA	2009	4:41.32	MERETE LOVBERG	NOR	2018
2:23.95	C.J-SPONSELLER	SWE	2019	1:05.88	LISA BLACKBURN	USA	2016	4:42.32	JANE ANN HOAG	ITA	2017
2:25.05	GISELI PEREIRA	BRA	2017	1:05.93	RAAKEL LUOTO	FIN	2020	4:43.61	JENNY WHITELEY	AUS	2008
2:25.52	STEPHANIE STONE	USA	2014	1:06.22	ERIKA BRAUN	USA	2018	4:44.49	DANIELA SABATINI	ITA	2019
2:26.57	SILVIA PAROCCHI	ITA	2011	1:06.58	S.VON DER LIPPE	USA	2010	800 M. FREE			
2:27.89	MIYUKI SATO	JPN	2019	1:06.88	ANNA HAMMAR	SWE	2013	9:23.30	ALISON ZAMANIAN	USA	2021
2:28.11	LISA WARD	USA	2009	1:07.46	HELEN GORMAN	GBR	2019	9:23.45	LYNN MARSHALL	CAN	2011
50 M. BRST				1:07.98	MONICA SORO	ITA	2015	9:29.62	S.HEIM-BOWEN	USA	2009
33.01	LINLEY FRAME	AUS	2017	1:08.08	FALL WILLEBOORDSE	USA	2015	9:30.83	JILL HERNANDEZ	USA	2013
33.56	MARZENA KULIS	ITA	2009	200 M. I.M.				9:35.39	ELLEN REYNOLDS	USA	2014
33.81	ANNA HAMMAR	SWE	2013	2:19.30	GABRIELLE E ROSE	USA	2022	9:38.99	CARLA GEURTS	NED	2022
33.82	S.VON DER LIPPE	USA	2010	2:21.55	K.PIPES-NEILSEN	USA	2009	9:42.20	JANE ANN HOAG	ITA	2017
33.83	KATIE GLENN	USA	2022	2:24.33	WENKE SEIDER	USA	2014	9:45.02	NORMA CAHILL	IRL	2016
33.85	HELEN GORMAN	GBR	2018	2:26.26	ELLEN REYNOLDS	USA	2012	9:45.13	BARBARA GELLRICH	GER	2012
33.94	CAROLINE KRATTLI	USA	2007	2:27.02	ANNA HAMMAR	SWE	2014	9:47.13	JILL GELLATLY	USA	2018
34.05	NANA IWAI	JPN	2021	2:29.09	SATU RAHKONEN	FIN	2022	1500 M. FREE			
34.10	TRINA SCHAEZT	USA	2018	2:29.37	HIDEKO MAKINO	JPN	2019	17:47.04	ALISON ZAMANIAN	USA	2022
34.15	TRACEY MCFARLANE	USA	2012	2:29.40	MARZENA KULIS	ITA	2009	17:49.23	LYNN MARSHALL	CAN	2013
100 M. BRST				2:29.69	CAROLINE KRATTLI	USA	2007	17:51.33	S.HEIM-BOWEN	USA	2009
1:10.63	LINLEY FRAME	AUS	2017	2:29.85	HELEN GORMAN	GBR	2018	18:14.50	CARLA GEURTS	NED	2022
1:11.78	MARZENA KULIS	ITA	2009	400 M. I.M.				18:25.23	NORMA CAHILL	IRL	2015
1:12.64	ANNA HAMMAR	SWE	2013	5:00.29	K.PIPES-NEILSEN	FRA	2009	18:27.42	JANE ANN HOAG	ITA	2017
1:12.93	LISA BLACKBURN	USA	2017	5:17.29	ELLEN REYNOLDS	USA	2011	18:38.58	JEANNE CARLSEN	CAN	2009
1:13.30	S.VON DER LIPPE	USA	2010	5:17.54	STEPHANIE STONE	USA	2014	18:44.66	C.PETERSEN	USA	2016
1:13.38	CAROLINE KRATTLI	USA	2007	5:17.83	SATU RAHKONEN	FIN	2022	18:49.27	ILKA LOWENSTEYN	CAN	2015
1:13.45	HELEN GORMAN	GBR	2018	5:19.13	LYNN MARSHALL	CAN	2006	18:52.34	ENEY JONES	USA	2011
1:13.98	WENKE SEIDER	USA	2014	5:19.58	VIBEKE SWANSON	USA	2006	50 M. BACK			
1:15.86	MONICA CORO	ITA	2007	5:20.17	ALISON ZAMANIAN	USA	2016	30.27	LESLIE LIVINGSTON	USA	2015
1:15.90	NANA IWAI	JPN	2022	5:20.89	NICOLA LATTY	GBR	2018	31.15	MARIE FUZZATI	FRA	2015
200 M. BRST				5:22.81	FRANCA BOSISIO	ITA	2014	31.21	ERIKA L BRAUN	USA	2022
2:34.77	GABRIELLE E ROSE	USA	2022	5:23.42	BARBARA KEHBEIN	GER	2016	31.30	MARION WOLTERS	GER	2018
2:37.19	MARZENA KULIS	ITA	2009	*****				31.33	CINDY MABEE	CAN	2019
2:38.00	S.VON DER LIPPE	USA	2010	WOMEN 50-54				31.68	ANDREA KUTZ	GER	2022
2:39.55	LINLEY FRAME	AUS	2017	*****				31.70	LISE RAVEN LOTHE	NOR	2019
2:40.46	HELEN GORMAN	GBR	2018	50 M. FREE				31.77	MIYUKI SATO	JPN	2022
2:42.10	CAROLINE KRATTLI	USA	2007	26.27	MARIE FUZZATI	FRA	2015	31.82	ANNA HAMMAR	SWE	2018
2:44.60	H.MORRIS-EYTON	RSA	2012	26.73	ERIKA L BRAUN	USA	2022	31.82	SUSAN WILLIAMS	USA	2018
2:46.47	IRINA MERZLIKINA	RUS	2021	26.87	ANETTE PHILIPSSON	SWE	2015	100 M. BACK			
2:47.91	K.PIPES-NEILSEN	FRA	2009	27.50	JENNIE BUCKNELL	AUS	2016	1:05.89	ELLEN REYNOLDS	USA	2014
2:48.18	LUCY RYAN	GBR	2018	27.67	MARIA NORBERG	SWE	2014	1:06.52	JO CORBEN	GBR	2022
50 M. FLY				27.76	SUE WALSH	USA	2014	1:06.97	MARIE FUZZATI	FRA	2016
28.53	YURIKO IKEDA	JPN	2017	27.70	ANNA HAMMAR	SWE	2019	1:07.16	MARION WOLTERS	GER	2018
28.60	ERIKA BRAUN	USA	2017	27.72	OLGA BORISOVA	RUS	2017	1:07.28	CINDY MABEE	CAN	2019
28.72	S.VON DER LIPPE	USA	2010	27.73	LESLIE LIVINGSTON	USA	2015	1:08.12	K PIPES-NEILSEN	FRA	2012
28.79	R.CRESCENTINI	ITA	2020	27.78	HELEN SADLER	GBR	2020	1:08.29	SHERI L HART	USA	2021
28.97	RAAKEL LUOTO	FIN	2020	100 M. FREE				1:08.58	GISELI PEREIRA	BRA	2022
29.08	WENKE SEIDER	USA	2014	58.44	ERIKA L BRAUN	USA	2022	1:08.61	MIYUKI SATO	JPN	2022
29.10	HAYLEY BETTINSON	GBR	2009	58.60	MARIE FUZZATI	FRA	2015	1:08.85	LESLIE LIVINGSTON	USA	2012
29.21	LAURIE DITOMMASO	USA	2008	1:00.15	JENNIE BUCKNELL	AUS	2016	200 M. BACK			
29.27	SUSAN WILLIAMS	USA	2013	1:00.80	ANETTE PHILIPSSON	SWE	2015	2:22.37	ELLEN REYNOLDS	USA	2014
29.37	EDITH OTTERMANN	RSA	2011	1:00.92	MANUELA SCHUBERT	GER	2022	2:24.15	JO CORBEN	GBR	2021
100 M. FLY				1:00.94	BARBARA KEHBEIN	GER	2019	2:25.94	LYNN MARSHALL	CAN	2011
1:03.47	S.VON DER LIPPE	USA	2010	1:01.23	MONICA SORO	ITA	2020	2:26.67	STEPHANIE STONE	USA	2017
1:03.96	K.PIPES-NEILSEN	USA	2009	1:01.39	MARION WOLTERS	GER	2019	2:26.85	MARION WOLTERS	GER	2019
1:04.38	WENKE SEIDER	USA	2014	1:01.41	ELLEN REYNOLDS	USA	2014	2:26.85	K PIPES-NEILSEN	FRA	2012
1:04.79	YURIKO IKEDA	JPN	2018	1:01.49	LAURA VAL	USA	2001	2:27.99	SILVIA PAROCCHI	ITA	2016
1:05.83	MONICA SORO	ITA	2016	200 M. FREE				2:28.88	MIYUKI SATO	JPN	2022
1:06.05	BARBARA KEHBEIN	GER	2015	2:10.72	S.HEIM-BOWEN	USA	2009	2:28.99	MARIE FUZZATI	FRA	2016
1:06.15	ERIKA L BRAUN	USA	2019	2:11.20	ERIKA L BRAUN	USA	2022	2:29.08	CINDY MABEE	CAN	2019
1:06.28	FRANCA BOSISIO	ITA	2015	2:11.30	MARIE FUZZATI	FRA	2017	50 M. BRST			
1:06.43	SOPHIA SKOU	DEN	2021	2:11.63	ELLEN REYNOLDS	USA	2016	33.96	MONICA CORO	ITA	2013
1:06.69	FALL WILLEBOORDSE	USA	2011	2:11.86	LIZ DILLMANN	USA	2015	34.17	ANNA HAMMAR	SWE	2018
200 M. FLY				2:12.35	MERETE LOVBERG	NOR	2018	34.41	HELEN GORMAN	GBR	2022
2:23.18	K.PIPES-NEILSEN	USA	2009	2:12.80	JILL HERNANDEZ	USA	2013	34.50	UTE HASSE	ESP	2015
2:24.08	S.VON DER LIPPE	USA	2010	2:13.21	LYNN MARSHALL	CAN	2011	34.76	HANA BOHUSLAVKOVA	CZE	2022
2:26.31	S. PALMER-WHITE	AUS	2009	2:13.58	K.PIPES-NEILSEN	USA	2012	35.08	JENNY WHITELEY	AUS	2009
2:26.45	BARBARA KEHBEIN	GER	2014	2:13.95	BARBARA KEHBEIN	GER	2019	35.15	JUDY GARAY	CAN	2014
2:26.77	KINCISO VENCZEL	HUN	2022	400 M. FREE				35.28	MARZENA KULIS	ITA	2016
2:26.92	DEBBIE YOUNGER	CAN	2019					35.49	SARA DUNN	USA	2022

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35.55	M.GOELEMA-KOEK	NED	2019	2:32.32	CINDY MABEE	CAN	2019	18:01.79	LYNN MARSHALL	CAN	2017
100	M. BRST			2:32.45	ANETTE PHILIPSSON	SWE	2016	18:43.73	LAURA VAL	USA	2010
1:13.95	HELEN GORMAN	GBR	2022	2:33.05	ALISON ZAMANIAN	USA	2022	18:53.93	JANE ANN HOAG	ITA	2022
1:15.02	UTE HASSE	ESP	2015	400	M. I.M.			19:00.59	K.PALACE	USA	2016
1:15.22	MONICA CORO	ITA	2013	5:10.96	ELLEN REYNOLDS	USA	2014	19:00.69	S. PALMER-WHITE	AUS	2019
1:15.76	ANNA HAMMAR	SWE	2018	5:14.65	LYNN MARSHALL	CAN	2011	19:07.60	JILL S HERNANDEZ	USA	2019
1:15.86	MARZENA KULIS	ITA	2016	5:24.23	C.THIELEMAN	GER	2018	19:22.35	ILKA LOWENSTEYN	CAN	2022
1:16.49	JENNY WHITELEY	AUS	2009	5:24.45	MARZENA KULIS	ITA	2017	19:24.70	BARBARA DUNBAR	USA	2004
1:17.10	BARBARA KEHBEIN	GER	2019	5:25.49	NICOLA LATTY	GBR	2022	19:27.93	JEANNE CARLSEN	CAN	2013
1:17.58	SARA DUNN	USA	2022	5:26.50	ALISON ZAMANIAN	USA	2021	19:29.49	BETH LUTZ KNIGHT	USA	2015
1:17.59	IRINA MERZLIKINA	RUS	2022	5:30.92	JANE ANN HOAG	ITA	2018	50	M. BACK		
1:17.72	LAURA MOLINARI	ITA	2018	5:31.20	NAOKO SHIDE	JPN	2010	30.12	LESLIE LIVINGSTON	USA	2016
200	M. BRST			5:31.82	HELEN WHITFORD	AUS	2018	31.92	HOLLY GREEN BLAIR	USA	2019
2:41.45	HELEN GORMAN	GBR	2022	5:31.87	DANIELA DEPONTI	ITA	2018	32.31	SUSAN O WILLIAMS	USA	2021
2:45.70	MARZENA KULIS	ITA	2016	*****				32.62	LAURA VAL	USA	2009
2:48.21	BARBARA KEHBEIN	GER	2019		WOMEN 55-59			32.74	HIROKO NOGUCHI	JPN	2022
2:48.34	IRINA MERZLIKINA	RUS	2022	*****				32.75	KARLYN PIPES	USA	2019
2:48.69	JENNY WHITELEY	AUS	2009	50	M. FREE			33.14	JULIE HOYLE	GBR	2017
2:49.05	MONICA CORO	ITA	2013	27.42	M.FUZZATI	FRA	2022	33.15	M.FUZZATI	SUI	2020
2:49.39	NAOMI KOTERA	JPN	2022	27.80	HAYLEY BETTINSON	GBR	2018	33.19	NOZOMI MATSUTANI	JPN	2022
2:50.36	ELLEN REYNOLDS	USA	2016	27.81	LESLIE LIVINGSTON	USA	2016	33.49	JENNIE BUCKNELL	AUS	2022
2:50.44	UTE HASSE	ESP	2015	27.85	ANETTE PHILIPSSON	SWE	2021	100	M. BACK		
2:51.08	KEIKO OKAMOTO	JPN	2019	27.91	SARAH MACDONALD	CAN	2015	1:07.17	ELLEN M REYNOLDS	USA	2019
50	M. FLY			28.21	JENNIE BUCKNELL	AUS	2022	1:08.33	KARLYN PIPES	USA	2017
29.14	ERIKA L BRAUN	USA	2022	28.33	HOLLY GREEN BLAIR	USA	2019	1:09.62	HOLLY GREEN BLAIR	USA	2019
29.20	YURIKO IKEDA	JPN	2022	28.37	CHIKAKO MIZUNO	JPN	2022	1:10.08	LESLIE LIVINGSTON	USA	2016
29.25	LESLIE LIVINGSTON	USA	2013	28.42	KARLYN PIPES	USA	2017	1:11.02	SILVIA PAROCCHI	ITA	2022
29.34	ANNA HAMMAR	SWE	2018	28.49	LAURA VAL	USA	2009	1:12.12	HELEN WHITFORD	AUS	2022
29.42	SUSAN WILLIAMS	USA	2017	100	M. FREE			1:12.23	LAURA VAL	USA	2008
29.94	FRANCA BOSISIO	ITA	2018	1:00.61	KARLYN PIPES	USA	2017	1:12.42	JILL HERNANDEZ	USA	2018
29.94	DANIELA DE PONTI	ITA	2017	1:01.33	LAURA VAL	USA	2009	1:12.59	MARIKA MCCUE	USA	2018
30.04	ANETTE PHILIPSSON	SWE	2017	1:01.47	M.FUZZATI	SUI	2020	1:12.64	JULIE HOYLE	GBR	2017
30.06	MARIE FUZZATI	FRA	2016	1:01.84	SARAH MACDONALD	CAN	2015	200	M. BACK		
30.33	MARIA NORBERG	SWE	2015	1:02.42	CHIKAKO MIZUNO	JPN	2022	2:25.27	ELLEN M REYNOLDS	USA	2019
100	M. FLY			1:02.72	S.REIBEL-OBERLE	GER	2019	2:29.22	KARLYN PIPES	USA	2017
1:06.38	YURIKO IKEDA	JPN	2022	1:02.75	HEATHER CAMPBELL	NZL	2008	2:31.71	LYNN MARSHALL	CAN	2016
1:06.88	DANIELA DE PONTI	ITA	2016	1:02.94	ANETTE PHILIPSSON	SWE	2022	2:32.08	SILVIA PAROCCHI	ITA	2022
1:06.92	K PIPES-NEILSEN	FRA	2012	1:03.07	DANIELA DEPONTI	ITA	2020	2:32.58	JILL HERNANDEZ	USA	2018
1:07.62	BARBARA KEHBEIN	GER	2019	1:03.82	NABARA JUNKO	JPN	2022	2:36.06	JUDY BROWN	GBR	2020
1:07.72	ERIKA L BRAUN	USA	2022	200	M. FREE			2:37.06	S.REIBEL-OBERLE	GER	2020
1:07.73	SILVIA PAROCCHI	ITA	2016	2:12.03	ELLEN M REYNOLDS	USA	2019	2:37.84	NAOKO SHIDE	JPN	2016
1:07.79	FRANCA BOSISIO	ITA	2018	2:13.58	LYNN MARSHALL	CAN	2016	2:38.14	HELEN WHITFORD	AUS	2022
1:08.09	DEBBIE YOUNGER	CAN	2022	2:13.89	KARLYN PIPES	USA	2017	2:39.94	BONNIE BILICH	USA	2016
1:08.47	ELIZABETH WOOLNER	GBR	2018	2:14.45	LAURA VAL	USA	2009	50	M. BRST		
1:08.50	JUDITH HATTLE	GBR	2010	2:15.14	JILL HERNANDEZ	USA	2018	35.15	MONICA CORO'	ITA	2017
200	M. FLY			2:17.77	S.REIBEL-OBERLE	GER	2019	35.61	UTE HASSE	ESP	2018
2:28.08	LYNN MARSHALL	CAN	2011	2:18.02	DANIELA DEPONTI	ITA	2020	35.87	PIA THULSTRUP	DEN	2017
2:28.69	FRANCA BOSISIO	ITA	2018	2:18.32	K.PALACE	USA	2016	35.90	TERRI MACDOUGALL	CAN	2019
2:30.27	BARBARA KEHBEIN	GER	2019	2:18.37	BARBARA GELLRICH	GER	2016	36.29	JENNY WHITELEY	AUS	2013
2:31.06	ILKA LOWENSTEYN	CAN	2015	2:19.23	KAREN GRAHAM	GBR	2020	36.47	CAROLINE KRATTLI	USA	2017
2:31.17	DANIELA DE PONTI	ITA	2016	2:19.23	JENNY WHITELEY	AUS	2015	36.92	KARLYN PIPES	USA	2017
2:32.17	C.THIELEMAN	GER	2018	400	M. FREE			37.08	SARAH MACDONALD	CAN	2017
2:32.29	KARLYN PIPES	USA	2012	4:37.35	LYNN MARSHALL	CAN	2016	37.14	SATOKO TOKITA	JPN	2018
2:33.24	ALISON ZAMANIAN	USA	2022	4:42.97	LAURA VAL	USA	2009	37.25	MARZENA KULIS	ITA	2020
2:33.93	ANDREA BLOCK	USA	2011	4:43.49	KARLYN PIPES	USA	2017	100	M. BRST		
2:34.79	JUDITH HATTLE	GBR	2010	4:44.76	JILL HERNANDEZ	USA	2018	1:17.36	MARZENA KULIS	ITA	2019
100	M. I.M.			4:51.15	JANE ANN HOAG	ITA	2022	1:18.01	MONICA CORO'	ITA	2017
1:07.04	ERIKA L BRAUN	USA	2022	4:51.43	S.REIBEL-OBERLE	GER	2019	1:18.45	JENNY WHITELEY	AUS	2013
1:07.85	ANETTE PHILIPSSON	SWE	2015	4:51.63	KAREN GRAHAM	GBR	2020	1:19.02	UTE HASSE	ESP	2019
1:07.97	ANNA HAMMAR	SWE	2018	4:53.27	N.STEADMAN-MARTIN	USA	2009	1:19.90	PIA THULSTRUP	DEN	2017
1:08.28	K PIPES-NEILSEN	FRA	2012	4:54.19	ROBYN CROTTY	NZL	2018	1:20.72	TERRI MACDOUGALL	CAN	2019
1:08.33	HELEN GORMAN	GBR	2022	4:54.25	C.PETERSEN	USA	2019	1:21.15	SARAH MACDONALD	CAN	2015
1:08.79	ELLEN REYNOLDS	USA	2018	800	M. FREE			1:21.18	CAROLINE KRATTLI	USA	2017
1:08.98	MARIE FUZZATI	FRA	2015	9:32.63	LYNN MARSHALL	CAN	2017	1:21.29	ALICIA BOSCATTO	ARG	2016
1:09.06	MARION WOLTERS	GER	2018	9:46.35	JILL HERNANDEZ	USA	2018	1:21.48	TATYANA PROKOFEVA	RUS	2020
1:09.22	JENNY WHITELEY	AUS	2009	9:51.35	LAURA VAL	USA	2009	200	M. BRST		
1:09.64	IRINA MERZLIKINA	RUS	2022	9:57.01	JANE ANN HOAG	ITA	2022	2:46.91	MARZENA KULIS	ITA	2019
200	M. I.M.			10:03.33	K.PALACE	USA	2016	2:53.16	MONICA CORO	ITA	2017
2:27.39	ELLEN REYNOLDS	USA	2018	10:05.47	ROBYN CROTTY	NZL	2017	2:55.48	JENNY WHITELEY	AUS	2013
2:30.33	ANNA HAMMAR	SWE	2018	10:06.17	S.REIBEL-OBERLE	GER	2020	2:56.23	TATYANA PROKOFEVA	RUS	2020
2:30.63	KARLYN PIPES	USA	2012	10:06.19	S. PALMER-WHITE	AUS	2020	2:59.03	TERRI MACDOUGALL	CAN	2019
2:30.98	JENNY WHITELEY	AUS	2009	10:07.79	C.PETERSEN	USA	2019	2:59.34	COLETTE CRABBE	BEL	2012
2:31.25	HELEN GORMAN	GBR	2022	10:09.29	BARBARA GELLRICH	GER	2016	3:00.02	JUDITH HATTLE	GBR	2015
2:31.96	JILL HERNANDEZ	USA	2013	1500	M. FREE			3:00.46	ALICIA BOSCATTO	ARG	2015
2:32.10	DANIELA DE PONTI	ITA	2016					3:00.66	CORRIN C BUCK	USA	2019

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3:01.34	LYNN MARSHALL	CAN	2019	29.23	LAURA VAL	USA	2013	1:12.42	K.PIPES-NEILSEN	USA	2022
50 M. FLY				29.46	AMY JO RIEGER	PUR	2021	1:12.72	LAURA VAL	USA	2013
29.15	GABRIELE GROMMES	GER	2018	29.65	VERONICA HIBBEN	USA	2016	1:13.53	K.ANDRUS-HUGHES	USA	2018
29.39	LESLIE LIVINGSTON	USA	2016	29.71	KARLYN A PIPES	USA	2022	1:13.75	AMY J RIEGER	USA	2021
30.73	KARLYN PIPES	USA	2017	29.75	MA CARMEN CABELLO	ESP	2021	1:13.93	JULIE HOYLE	GBR	2022
30.78	MARIA NORBERG	SWE	2018	29.80	IKUKO TAKATANI	JPN	2022	1:15.95	JOAN PFINGSGRAFF	USA	2017
30.81	SUSAN O WILLIAMS	USA	2022	29.83	ELIN KNAG	NOR	2019	1:16.35	JOANNE SUTCLIFFE	AUS	2021
30.99	HAYLEY BETTINSON	GBR	2018	100 M. FREE				1:16.57	DIANE COETZEE	RSA	2016
31.13	TRACI GRANGER	USA	2013	1:02.60	JENNY WHITELEY	AUS	2018	1:17.30	DENYSE SENECHAL	CAN	2022
31.13	LAURA VAL	USA	2009	1:03.48	LAURA VAL	USA	2014	200 M. BACK			
31.20	ELIZABETH WOOLNER	GBR	2022	1:04.14	K.PIPES-NEILSEN	USA	2022	2:34.31	K.PIPES-NEILSEN	USA	2022
31.23	SARAH MACDONALD	CAN	2015	1:04.44	VERONICA HIBBEN	USA	2019	2:34.72	LYNN MARSHALL	CAN	2022
100 M. FLY				1:04.78	AMY JO RIEGER	PUR	2021	2:35.84	BONNIE BILICH	USA	2018
1:08.15	KARLYN PIPES	USA	2017	1:05.34	MA CARMEN NAVARRO	ESP	2022	2:38.34	JULIE HOYLE	GBR	2022
1:09.23	LAURA VAL	USA	2009	1:06.16	K.ANDRUS-HUGHES	USA	2017	2:40.04	LAURA VAL	USA	2015
1:09.67	LYNN MARSHALL	CAN	2016	1:06.58	CHARLOTTE DAVIS	USA	2010	2:42.66	AMY J RIEGER	USA	2021
1:09.71	SILVIA PAROCCHI	ITA	2022	1:06.94	IKUKO TAKATANI	JPN	2022	2:43.27	JOANNE SUTCLIFFE	AUS	2021
1:09.89	ELIZABETH WOOLNER	GBR	2022	1:06.97	JULIE HOYLE	GBR	2022	2:43.57	JOAN PFINGSGRAFF	USA	2017
1:10.10	ANDREA BLOCK	USA	2016	200 M. FREE				2:45.00	BONNIE L SPIVEY	USA	2019
1:10.11	KIYOMI TANAKA	JPN	2022	2:15.93	JENNY WHITELEY	AUS	2018	2:45.73	JENNY WHITELEY	AUS	2019
1:10.15	ILKA LOWENSTEYN	CAN	2022	2:18.45	LYNN MARSHALL	CAN	2022	50 M. BRST			
1:10.20	DANIELA DEPONTI	ITA	2020	2:20.16	LAURA VAL	USA	2011	37.08	JENNY WHITELEY	AUS	2018
1:10.28	MA CARMEN NAVARRO	ESP	2017	2:21.06	ROBYN CROTTY	NZL	2021	37.21	MONICA CORO'	ITA	2022
200 M. FLY				2:24.73	VERONICA HIBBEN	USA	2019	37.57	PIA THULSTRUP	DEN	2022
2:31.13	LAURA VAL	USA	2008	2:24.84	MA CARMEN NAVARRO	ESP	2022	38.12	DAGMAR FRESE	GER	2019
2:31.97	KARLYN PIPES	USA	2017	2:24.93	AMY J RIEGER	USA	2021	38.23	MISA KUWANO	JPN	2021
2:33.91	S. PALMER-WHITE	AUS	2019	2:25.02	KELLY PALACE	USA	2021	38.58	SETSUKO MATSUI	JPN	2021
2:33.98	LYNN MARSHALL	CAN	2019	2:25.09	JULIE HOYLE	GBR	2022	38.60	MONIKA SENFTLEBEN	GER	2002
2:38.82	D.PEDACCHIOLA	ITA	2018	2:25.52	SUSAN RITTER	USA	2017	38.63	AVILA RHODES	CAN	2016
2:39.54	S.REIBEL-OBERLE	GER	2019	400 M. FREE				38.73	ELIN KNAG	NOR	2019
2:39.55	ANDREA BLOCK	USA	2016	4:48.80	LYNN MARSHALL	CAN	2022	38.87	COLETTE CRABBE	USA	2016
2:40.05	ROBYN CROTTY	NZL	2018	4:52.64	JENNY WHITELEY	AUS	2018	100 M. BRST			
2:41.97	JUDITH HATTLE	GBR	2016	4:53.24	LAURA VAL	USA	2013	1:20.50	JENNY WHITELEY	AUS	2018
2:42.32	MAITE GARCIA	ESP	2020	4:55.14	ROBYN CROTTY	NZL	2021	1:21.14	MONICA CORO'	ITA	2022
100 M. I.M.				5:03.77	CECILIA STANFORD	RSA	2021	1:23.65	MISA KUWANO	JPN	2021
1:09.08	KARLYN PIPES	USA	2017	5:04.90	SUSAN RITTER	USA	2017	1:24.15	PIA THULSTRUP	DEN	2022
1:10.05	ELLEN M REYNOLDS	USA	2019	5:06.79	KELLY PALACE	USA	2021	1:24.39	COLETTE CRABBE	USA	2016
1:10.66	JENNY WHITELEY	AUS	2013	5:07.33	HOLLY EDMONDS	USA	2022	1:25.09	SARAH MACDONALD	CAN	2020
1:11.51	HOLLY GREEN BLAIR	USA	2019	5:09.15	JOANNE SUTCLIFFE	AUS	2021	1:25.16	DAGMAR FRESE	GER	2019
1:11.95	SARAH MACDONALD	CAN	2015	5:09.53	BONNIE L SPIVEY	USA	2019	1:25.52	KAREN MAREB	USA	2018
1:12.10	DANIELA DEPONTI	ITA	2020	800 M. FREE				1:26.08	JUDITH PEARSON	GBR	2020
1:12.27	ANETTE PHILIPSSON	SWE	2021	9:59.85	LYNN MARSHALL	CAN	2021	1:26.15	BETH ESTEL	USA	2017
1:12.90	LAURA VAL	USA	2009	10:04.67	ROBYN CROTTY	NZL	2021	200 M. BRST			
1:12.94	S.REIBEL-OBERLE	GER	2019	10:18.29	JENNY WHITELEY	AUS	2019	2:57.05	JENNY WHITELEY	AUS	2018
1:13.32	LYNN MARSHALL	CAN	2016	10:21.68	LAURA VAL	USA	2011	3:00.34	MONICA CORO'	ITA	2022
200 M. I.M.				10:21.87	KELLY PALACE	USA	2021	3:04.70	LO KNAPP	USA	2016
2:27.78	ELLEN M REYNOLDS	USA	2019	10:24.43	BONNIE L SPIVEY	USA	2019	3:05.02	MISA KUWANO	JPN	2021
2:31.06	KARLYN PIPES	FRA	2017	10:24.96	S.HEIM-BOWEN	USA	2020	3:05.92	AMY J RIEGER	USA	2021
2:33.57	JILL HERNANDEZ	USA	2018	10:25.71	SUSAN RITTER	USA	2017	3:06.25	AMANDA HEATH	GBR	2017
2:34.01	LYNN MARSHALL	CAN	2016	10:26.30	CECILIA STANFORD	RSA	2021	3:06.48	BONNIE PRONK	CAN	2002
2:36.92	S.REIBEL-OBERLE	GER	2019	10:32.21	JOANNE SUTCLIFFE	AUS	2021	3:06.52	JUDITH PEARSON	GBR	2020
2:36.98	LAURA VAL	USA	2009	1500 M. FREE				3:07.25	COLETTE CRABBE	USA	2017
2:37.71	MARZENA KULIS	ITA	2020	18:54.83	LYNN MARSHALL	CAN	2022	3:07.44	HANNELORE ROSE	GER	2002
2:37.71	JENNY WHITELEY	AUS	2013	19:35.32	S.HEIM-BOWEN	USA	2020	50 M. FLY			
2:38.04	DANIELA DEPONTI	ITA	2020	19:38.63	LAURA VAL	USA	2011	31.24	TRACI S GRANGER	USA	2019
2:38.06	SILVIA PAROCCHI	ITA	2022	19:57.15	KELLY PALACE	USA	2021	31.34	CAROL BOAGEY	GBR	2013
400 M. I.M.				19:59.92	S.LOFTUS-CHARLEY	USA	2011	31.82	KARLYN A PIPES	USA	2022
5:15.72	ELLEN M REYNOLDS	USA	2019	20:03.30	SUSAN RITTER	USA	2017	32.04	MA CARMEN NAVARRO	ESP	2022
5:23.08	LYNN MARSHALL	CAN	2016	20:03.58	BONNIE L SPIVEY	USA	2019	32.15	MA CARMEN CABELLO	ESP	2021
5:25.71	KARLYN PIPES	USA	2017	20:06.04	CECILIA STANFORD	RSA	2021	32.28	JUDITH PEARSON	GBR	2020
5:31.00	S.REIBEL-OBERLE	GER	2020	20:15.16	CHRISTIE CIRAULO	USA	2015	32.38	L.GIANNOCCARO	CAN	2022
5:34.14	DANIELA DEPONTI	ITA	2020	20:16.04	JENNY WHITELEY	AUS	2022	32.42	LAURA VAL	USA	2013
5:37.15	ROBYN CROTTY	NZL	2018	50 M. BACK				32.54	VERONICA HIBBEN	USA	2016
5:39.30	LAURA VAL	USA	2009	32.91	KARLYN A PIPES	USA	2022	32.75	JENNY WHITELEY	AUS	2019
5:40.45	ILKA LOWENSTEYN	CAN	2022	33.01	LAURA VAL	USA	2013	100 M. FLY			
5:42.65	PIERRETTE MICHEL	BEL	2017	33.75	AMY JO RIEGER	PUR	2021	1:10.97	K.PIPES-NEILSEN	USA	2022
5:44.73	JUDY BROWN	GBR	2022	33.75	K.ANDRUS-HUGHES	USA	2017	1:11.47	LAURA VAL	USA	2013
*****				33.77	JULIE HOYLE	GBR	2022	1:11.68	MA CARMEN CABELLO	ESP	2021
*****				33.90	BONNIE BILICH	USA	2018	1:12.57	JUDITH PEARSON	GBR	2021
*****				35.33	DENYSE SENECHAL	CAN	2022	1:13.08	TRACI S GRANGER	USA	2019
*****				35.49	AROMA MARTORELL	BRA	2018	1:13.58	LEIGH RODGERS	AUS	2015
*****				35.53	JOANNE SUTCLIFFE	AUS	2021	1:13.81	MA CARMEN NAVARRO	ESP	2022
*****				35.56	PENNY NOYES	USA	2017	1:14.21	COLETTE CRABBE	USA	2017
*****				100 M. BACK				1:14.30	JENNY WHITELEY	AUS	2018
*****				1:12.39	BONNIE BILICH	USA	2018	1:14.45	LYNN MARSHALL	CAN	2022

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



200 M. FLY		2:33.72	NANCY MARTIN	USA 2019	40.66	SALLY SHIELDS	GBR 2019	
2:41.25	LAURA VAL	USA 2011	2:34.02	KAREN L EINSIDLER	USA 2022	40.90	NOBUKO YASUDA	JPN 2010
2:42.40	LYNN MARSHALL	CAN 2022	2:34.11	DIANE COETZEE	RSA 2021	41.07	CAROLE SMITH	ITA 2018
2:46.28	JUDITH PEARSON	GBR 2021	2:34.40	SUSAN M RITTER	USA 2022	41.16	MELINDA J MANN	USA 2022
2:46.40	JENNY WHITELEY	AUS 2019	2:35.21	S.LOFTUS-CHARLEY	USA 2016	41.26	REGULA STEIGER	SUI 2018
2:49.24	TRACI S GRANGER	USA 2019	2:35.44	COLETTE CRABBE	BEL 2022	41.38	JANETTE JEFFREY	AUS 2016
2:52.43	JEANNE LAPPIN	USA 2015	400 M. FREE			41.39	BETH A ESTEL	USA 2021
2:52.60	ARLENE DELMAGE	USA 2022	5:02.08	LAURA VAL	USA 2017	41.40	BONNIE PRONK	CAN 2009
2:57.56	COLETTE CRABBE	USA 2017	5:18.71	KAREN L EINSIDLER	USA 2021	100 M. BRST		
2:58.14	MA RAMONA GUILLEN	ESP 2020	5:19.64	C.TARANTINO	ITA 2020	1:28.03	AMANDA HEATH	GBR 2022
2:59.03	CECILIA STANFORD	RSA 2021	5:21.37	NANCY MARTIN	USA 2019	1:28.47	DAGMAR FRESE	GER 2021
100 M. I.M.			5:21.46	VERONICA HIBBEN	USA 2021	1:28.73	NOBUKO YASUDA	JPN 2010
1:12.08	K.PIPES-NEILSEN	USA 2022	5:22.78	S.LOFTUS-CHARLEY	USA 2016	1:28.94	COLETTE M CRABBE	USA 2022
1:12.19	JENNY WHITELEY	AUS 2018	5:23.19	CHARLOTTE DAVIS	USA 2015	1:29.76	LO D KNAPP	USA 2019
1:13.59	AMY JO RIEGER	PUR 2021	5:23.36	CHRISTIE CIRAULO	USA 2022	1:30.22	JANETTE JEFFREY	AUS 2017
1:14.23	SARAH MACDONALD	CAN 2020	5:26.21	SUSAN M RITTER	USA 2022	1:30.23	IRINA SHANGINA	RUS 2020
1:15.07	LAURA VAL	USA 2013	5:27.68	DIANE COETZEE	RSA 2021	1:30.81	CHARLOTTE DAVIS	USA 2016
1:16.06	JULIE HOYLE	GBR 2022	800 M. FREE			1:30.99	BETH A ESTEL	USA 2021
1:16.22	COLETTE CRABBE	USA 2017	10:34.67	LAURA VAL	USA 2016	1:31.45	AVILA RHODES	CAN 2022
1:16.41	JUDITH PEARSON	GBR 2020	10:54.15	NANCY MARTIN	USA 2019	200 M. BRST		
1:16.69	LEIGH RODGERS	AUS 2015	10:55.71	S.LOFTUS-CHARLEY	USA 2016	3:07.97	AMANDA HEATH	GBR 2022
1:17.48	CHARLOTTE DAVIS	USA 2010	10:57.88	C.TARANTINO	ITA 2020	3:10.75	JANETTE JEFFREY	AUS 2015
200 M. I.M.			11:02.04	KAREN L EINSIDLER	USA 2021	3:10.94	LO D KNAPP	USA 2019
2:36.81	JENNY WHITELEY	AUS 2018	11:05.36	SUSAN M RITTER	USA 2022	3:14.02	KEIKO UTSUMI	JPN 2021
2:40.29	LYNN MARSHALL	CAN 2022	11:09.56	CHRISTIE CIRAULO	USA 2019	3:14.08	COLETTE M CRABBE	USA 2022
2:41.53	LAURA VAL	USA 2013	11:09.87	CHARLOTTE DAVIS	USA 2015	3:14.89	NOBUKO YASUDA	JPN 2010
2:42.99	AMY J RIEGER	USA 2021	11:13.40	DIANE COETZEE	RSA 2021	3:17.44	JOANN LEILICH	USA 2004
2:43.04	COLETTE CRABBE	USA 2017	11:18.47	M. HEFFERNAN	AUS 2021	3:18.41	IRINA SHANGINA	RUS 2020
2:44.90	ROBYN CROTTY	NZL 2021	1500 M. FREE			3:20.12	MASUMI SATO	JPN 2022
2:46.75	BONNIE BILICH	USA 2018	20:21.61	LAURA VAL	USA 2016	3:20.34	JENNIFER MERRITT	GBR 2016
2:48.13	JUDITH PEARSON	GBR 2022	20:37.33	NANCY MARTIN	USA 2021	50 M. FLY		
2:48.31	LEIGH RODGERS	AUS 2015	20:37.63	S.LOFTUS-CHARLEY	USA 2016	32.57	PENNY P NOYES	USA 2019
2:48.33	CHARLOTTE DAVIS	USA 2010	20:44.71	KAREN L EINSIDLER	USA 2021	33.06	LAURA VAL	USA 2017
400 M. I.M.			20:51.88	C.TARANTINO	ITA 2020	33.56	CHARLOTTE DAVIS	USA 2016
5:37.15	LYNN MARSHALL	CAN 2022	21:01.04	CHRISTIE CIRAULO	USA 2019	34.07	VERONICA HIBBEN	USA 2022
5:43.83	ROBYN CROTTY	NZL 2021	21:03.06	SUSAN M RITTER	USA 2022	34.11	CHRISTIE CIRAULO	USA 2019
5:50.34	COLETTE CRABBE	USA 2017	21:21.43	M. HEFFERNAN	AUS 2021	34.30	LEIGH RODGERS	AUS 2022
5:51.11	BONNIE SPIVEY	USA 2018	21:43.60	JEN THOMASSON	AUS 2008	34.53	DIANN UUSTAL	USA 2013
5:51.81	LAURA VAL	USA 2011	21:47.72	INEKE WEEKERS	NED 2020	35.15	TAEKO MURAKAMI	JPN 2022
5:57.07	JUDITH PEARSON	GBR 2022	50 M. BACK			35.17	HARUMI SUGINUMA	JPN 2022
5:57.70	CHARLOTTE DAVIS	USA 2010	33.41	LAURA B VAL	USA 2019	35.38	LINDSEY GOWLAND	GBR 2022
5:58.59	CECILIA STANFORD	RSA 2021	35.47	CECILIA MCCLOSKEY	USA 2018	35.38	ANGELA ZINGLER	GER 2019
6:03.26	S.LOFTUS-CHARLEY	USA 2011	35.58	DIANN UUSTAL	USA 2011	100 M. FLY		
6:03.98	EDIE FISHER	CAN 2017	35.97	PENNY P NOYES	USA 2022	1:13.47	LAURA B VAL	USA 2019
*****			36.37	JOAN L PFINGSGRAFF	USA 2019	1:14.84	PENNY P NOYES	USA 2019
WOMEN 65-69			36.58	MARGIT OHLSSON	SWE 2010	1:17.99	LEIGH RODGERS	AUS 2022
*****			36.85	CLARY MUNNS	AUS 2009	1:18.80	CHARLOTTE DAVIS	USA 2015
			37.10	RACHEL BARTON	GBR 2014	1:20.71	COLETTE M CRABBE	USA 2022
50 M. FREE			37.12	BARBARA E CHURCH	USA 2019	1:21.13	CECILIA MCCLOSKEY	USA 2016
29.30 LAURA VAL			37.27	BENEDICTE DUPREZ	FRA 2016	1:21.14	JEANNE L LAPPIN	USA 2022
29.44 PENNY P NOYES			100 M. BACK			1:22.66	VERONICA HIBBEN	USA 2021
30.18 VERONICA HIBBEN			1:13.08	LAURA VAL	USA 2018	1:22.67	ANDRA JAUNZEME	LAT 2021
30.33 ALYSON FORDHAM			1:16.61	CECILIA MCCLOSKEY	USA 2018	1:23.41	BRIGITTE MERTEN	GER 2011
30.73 A.PIJTAK-RADERSMA			1:17.95	DIANN UUSTAL	USA 2011	200 M. FLY		
30.76 LYNN MORRISON			1:17.99	JOAN L PFINGSGRAFF	USA 2019	2:45.20	LAURA VAL	USA 2016
30.79 CHARLOTTE DAVIS			1:18.81	MARGIT OHLSSON	SWE 2011	3:02.56	PENNY P NOYES	USA 2022
31.38 LINDSEY GOWLAND			1:19.47	BARBARA E CHURCH	USA 2019	3:02.57	NANCY MARTIN	USA 2019
31.64 SANDERINA KRUGER			1:19.69	PENNY P NOYES	USA 2022	3:03.97	S.LOFTUS-CHARLEY	USA 2016
31.76 JANETTE JEFFREY			1:20.99	LEIGH RODGERS	AUS 2022	3:08.53	ANDRA JAUNZEME	LAT 2021
100 M. FREE			1:21.43	K.ANDRUS-HUGHES	USA 2022	3:14.08	SALLY MILLS	GBR 2020
1:04.40 LAURA VAL			1:22.01	COLETTE CRABBE	BEL 2022	3:15.63	CAROLYN BOAK	USA 2012
1:06.90 CHARLOTTE DAVIS			200 M. BACK			3:15.84	JUNKO SATO	JPN 2019
1:07.10 VERONICA HIBBEN			2:42.87	LAURA VAL	USA 2017	3:17.04	CHRISTIE CIRAULO	USA 2019
1:07.16 PENNY P NOYES			2:48.83	JOAN L PFINGSGRAFF	USA 2019	3:17.15	ELAINE S VALDEZ	USA 2021
1:08.00 A.PIJTAK-RADERSMA			2:50.10	CECILIA MCCLOSKEY	USA 2015	100 M. I.M.		
1:08.25 SANDERINA KRUGER			2:53.36	DIANN UUSTAL	USA 2011	1:15.65	PENNY P NOYES	USA 2019
1:08.96 ALYSON FORDHAM			2:55.02	MARGIT OHLSSON	SWE 2011	1:16.42	LAURA B VAL	USA 2019
1:09.52 CATHY MERRITT			2:55.16	DIANE COETZEE	RSA 2021	1:19.10	CHARLOTTE DAVIS	USA 2015
1:09.58 LYNN MORRISON			2:57.20	PENNY P NOYES	USA 2022	1:19.29	COLETTE M CRABBE	USA 2022
1:10.66 CONNY BOER-BUYS			2:58.80	BENEDICTE DUPREZ	FRA 2016	1:20.35	ALYSON FORDHAM	GBR 2022
200 M. FREE			2:58.92	KAREN L EINSIDLER	USA 2021	1:20.86	DIANN UUSTAL	USA 2011
2:23.26 LAURA VAL			2:59.08	MINDY DOUGHERTY	USA 2017	1:21.17	CECILIA MCCLOSKEY	USA 2017
2:29.21 VERONICA HIBBEN			50 M. BRST			1:21.43	VERONICA HIBBEN	USA 2022
2:29.35 CHARLOTTE DAVIS			38.90	DAGMAR FRESE	GER 2021	1:21.82	LEIGH RODGERS	AUS 2022
2:33.14 ALYSON FORDHAM			40.37	AMANDA HEATH	GBR 2022	1:21.89	BRIGITTE MERTEN	GER 2011

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



200 M. I.M.		12:29.77	CHRISTIE HAYES	USA 2018	3:28.12	DIANE FORD	GBR 2014	
2:46.04	LAURA B VAL	USA 2019	12:30.00	JANE ASHER	GBR 2004	3:28.98	MASAYO AZUMA	JPN 2005
2:52.76	COLETTE M CRABBE	USA 2022	12:30.04	MARGARETA RAINER	SWE 2019	3:30.16	SHOKO YONEZAWA	JPN 2005
2:53.33	CHARLOTTE DAVIS	USA 2015	12:31.46	MARCIA BARRY	USA 2018	3:31.07	CLARY MUNNS	AUS 2015
2:54.60	PENNY P NOYES	USA 2022	12:32.86	MAUREEN MONS	RSA 2022	3:32.74	KATHLEEN LEWIS	USA 2022
2:55.88	CECILIA MCCLOSKEY	USA 2016	12:33.76	SUSAN HAIGH	GBR 2022	3:33.22	LUISE KNOPFLE	GER 2009
2:57.62	LEIGH RODGERS	AUS 2022	1500 M. FREE			3:34.27	MARGOT PETTIJOHN	USA 2016
2:57.85	LO D KNAPP	USA 2019	22:06.78	CECILIA MCCLOSKEY	USA 2020	3:35.99	JEN THOMASSON	AUS 2013
2:57.95	ANDRA JAUNZEME	USA 2021	23:17.14	EVIE S LYNCH	USA 2022	50 M. FLY		
2:58.24	AMANDA HEATH	GBR 2022	23:39.90	MARCIA BARRY	USA 2018	34.53	LAURA B VAL	USA 2022
2:59.30	S.LOFTUS-CHARLEY	USA 2016	23:54.74	JANE ASHER	GBR 2004	35.12	DIANN UUSTAL	USA 2016
400 M. I.M.			23:58.11	JACKIE MARR	USA 2013	36.10	JUDY WILSON	GBR 2015
5:55.00	LAURA VAL	USA 2016	24:02.08	SALLY K GUTHRIE	USA 2022	36.69	BRIGITTE MERTEN	GER 2016
6:10.58	COLETTE M CRABBE	USA 2022	24:03.42	RUTH Y SHAPS	USA 2019	36.84	KATHLEEN D INGLIS	USA 2021
6:16.30	S.LOFTUS-CHARLEY	USA 2016	24:07.42	TRACY CLARKSON	AUS 2020	36.88	MARGARET TOPPEL	USA 2018
6:20.07	NANCY MARTIN	USA 2021	24:11.38	MARGARETA RAINER	SWE 2019	37.35	SUMIKO KOBAYASHI	JPN 2020
6:21.67	AMANDA HEATH	GBR 2022	24:16.97	ELEANOR PINFOLD	NZL 2021	37.71	YOSHIKO KADOSAKA	JPN 2019
6:22.01	CECILIA MCCLOSKEY	USA 2016	50 M. BACK			37.96	YOSHIKO OSAKI	JPN 2009
6:23.70	AUDREY COOPER	GBR 2019	33.80	LAURA B VAL	USA 2022	38.60	KIRA MAKAROVA	RUS 2020
6:26.14	KAREN L EINSIDLER	USA 2021	36.68	CECILIA MCCLOSKEY	USA 2020	100 M. FLY		
6:26.20	ANDRA JAUNZEME	USA 2018	37.50	MARGIT OHLSSON	SWE 2015	1:15.46	LAURA B VAL	USA 2021
6:28.11	CHARLOTTE DAVIS	USA 2015	37.67	DIANN UUSTAL	USA 2016	1:19.98	CECILIA MCCLOSKEY	USA 2020
*****			37.78	CLARY MUNNS	AUS 2015	1:24.03	JUDY WILSON	GBR 2016
WOMEN 70-74			39.16	RACHEL BARTON	GBR 2018	1:26.51	KATHLEEN D INGLIS	USA 2021
*****			39.44	E.KETELSEN	DEN 2013	1:28.40	BRIGITTE MERTEN	GER 2016
			39.77	MARGARET H TOPPEL	USA 2019	1:28.55	YOSHIKO OSAKI	JPN 2009
50 M. FREE			39.79	SATOKO TAKEUJI	JPN 2013	1:29.29	KIRA MAKAROVA	RUS 2018
30.55	LAURA B VAL	USA 2022	40.11	HIROMI SATO	JPN 2013	1:33.78	MARGOT PETTIJOHN	USA 2017
32.21	FRANCES JENKINS	GBR 2017	100 M. BACK			1:34.62	M.NEUMEISTER	GER 2022
32.38	DIANN UUSTAL	USA 2016	1:13.66	LAURA B VAL	USA 2022	1:34.64	S.LOFTUS-CHARLEY	USA 2022
32.47	CONNY BOER-BUIJS	NED 2020	1:17.36	CECILIA MCCLOSKEY	USA 2020	200 M. FLY		
33.10	SANDERINA KRUGER	RSA 2019	1:22.15	MARGIT OHLSSON	SWE 2015	3:20.57	S.LOFTUS-CHARLEY	USA 2022
33.34	CHRISTEL SCHULZ	GER 2010	1:22.65	DIANN UUSTAL	USA 2016	3:26.35	KIRA MAKAROVA	RUS 2018
33.36	YOSHIKO OSAKI	JPN 2009	1:25.13	CLARY MUNNS	AUS 2014	3:26.57	CLARY MUNNS	AUS 2016
33.39	YOSHIKO KADOSAKA	JPN 2019	1:26.25	SATOKO TAKEUJI	JPN 2012	3:26.69	JUDY WILSON	GBR 2016
33.40	BITTE AXLING	SWE 2017	1:27.00	EVIE S LYNCH	USA 2022	3:27.16	CAROLYN BOAK	USA 2016
33.60	MARGARET TOPPEL	USA 2018	1:27.10	JULIE GUNTHORP	NZL 2017	3:30.68	MARGOT PETTIJOHN	USA 2016
100 M. FREE			1:27.45	E.KETELSEN	DEN 2013	3:34.59	YOSHIKO OSAKI	JPN 2009
1:06.61	LAURA B VAL	USA 2022	1:27.85	BENEDICTE DUPREZ	FRA 2022	3:35.25	CHERYL A MURRAY	USA 2022
1:10.25	CHARLOTTE M DAVIS	USA 2020	200 M. BACK			3:37.23	HELGA REICH	GER 2006
1:12.04	SANDERINA KRUGER	RSA 2019	2:47.56	LAURA B VAL	USA 2021	3:38.39	JUNE KRAUSER	USA 1996
1:12.58	DIANN UUSTAL	USA 2016	2:58.64	MARGIT OHLSSON	SWE 2015	100 M. I.M.		
1:12.97	YOSHIKO OSAKI	JPN 2009	3:04.82	DIANN UUSTAL	USA 2017	1:18.81	LAURA B VAL	USA 2022
1:13.78	CONNY BOER-BUIJS	NED 2020	3:05.23	CLARY MUNNS	AUS 2015	1:21.09	CECILIA MCCLOSKEY	USA 2020
1:14.69	CHRISTEL SCHULZ	GER 2010	3:10.84	BENEDICT DUPREZ	FRA 2022	1:23.23	DIANN UUSTAL	USA 2016
1:16.45	JANE ASHER	GBR 2004	3:11.41	E.KETELSEN	DEN 2013	1:23.42	BRIGITTE MERTEN	GER 2016
1:16.52	CLARY MUNNS	AUS 2016	3:11.71	JULIE GUNTHORP	NZL 2017	1:24.41	CLARY MUNNS	AUS 2016
1:16.54	JUDY WILSON	GBR 2015	3:12.33	RACHEL BARTON	GBR 2018	1:24.88	YOSHIKO OSAKI	JPN 2009
200 M. FREE			3:12.67	JOY WARD	USA 2012	1:25.13	MARGIT OHLSSON	SWE 2015
2:27.89	LAURA B VAL	USA 2022	3:13.31	HELLA VERSFELD	CAN 2020	1:25.89	MARGARET TOPPEL	USA 2018
2:33.19	CHARLOTTE M DAVIS	USA 2020	50 M. BRST			1:26.69	KIRA MAKAROVA	RUS 2020
2:41.78	CONNY BOER-BUIJS	NED 2020	42.80	SHOKO YONEZAWA	JPN 2005	1:27.39	CHRISTEL SCHULZ	GER 2010
2:42.75	S.LOFTUS-CHARLEY	USA 2022	42.95	KAYAKO HIROSE	JPN 2017	200 M. I.M.		
2:43.60	DIANN UUSTAL	USA 2016	43.18	MONIKA SENFTLEBEN	GER 2012	2:52.19	LAURA B VAL	USA 2021
2:44.70	YOSHIKO OSAKI	JPN 2008	43.26	NOBUKO YASUDA	JPN 2015	2:55.56	CECILIA MCCLOSKEY	USA 2020
2:47.82	CHRISTEL SCHULZ	GER 2010	43.64	KATHLEEN LEWIS	USA 2022	3:09.58	CLARY MUNNS	AUS 2017
2:49.28	JANE ASHER	GBR 2003	43.95	CLARY MUNNS	AUS 2015	3:11.14	YOSHIKO OSAKI	JPN 2009
2:49.70	JEN THOMASSON	AUS 2013	44.05	DIANE FORD	GBR 2014	3:11.17	BRIGITTE MERTEN	GER 2016
2:51.11	MARGARETA RAINER	SWE 2019	44.20	BITTE AXLING	SWE 2018	3:12.16	CHRISTEL SCHULZ	GER 2011
400 M. FREE			44.22	JOANN LEILICH	USA 2011	3:12.50	KIRA MAKAROVA	RUS 2019
5:28.76	CHARLOTTE M DAVIS	USA 2020	44.24	REGULA STEIGER	SUI 2022	3:13.05	DIANN UUSTAL	USA 2017
5:38.76	S.LOFTUS-CHARLEY	USA 2022	100 M. BRST			3:15.46	MARGIT OHLSSON	SWE 2015
5:50.41	YOSHIKO OSAKI	JPN 2008	1:33.92	NOBUKO YASUDA	JPN 2015	3:18.65	S.LOFTUS-CHARLEY	USA 2021
5:53.96	CHERYL A MURRAY	USA 2022	1:34.86	DIANE FORD	GBR 2014	400 M. I.M.		
5:55.02	CECILIA MCCLOSKEY	USA 2020	1:35.58	SHOKO YONEZAWA	JPN 2005	6:41.90	S.LOFTUS-CHARLEY	USA 2022
5:56.79	CAROLYN BOAK	USA 2016	1:36.05	KATHLEEN LEWIS	USA 2022	6:47.91	BRIGITTE MERTEN	GER 2016
5:56.99	JEN THOMASSON	AUS 2013	1:36.63	YOSHIKO OSAKI	JPN 2010	6:51.30	CLARY MUNNS	AUS 2015
5:58.24	MAUREEN MONS	RSA 2021	1:36.93	MARGOT PETTIJOHN	USA 2016	6:56.79	YOSHIKO OSAKI	JPN 2008
5:59.41	CHRISTIE HAYES	USA 2018	1:36.94	MASAYO AZUMA	JPN 2005	7:01.89	CHERYL A MURRAY	USA 2022
6:00.34	JANE ASHER	GBR 2003	1:37.11	LUISE KNOPFLE	GER 2009	7:09.96	JANE ASHER	GBR 2001
800 M. FREE			1:37.20	JOANN LEILICH	USA 2009	7:12.34	KATHY SLIFER	USA 2016
11:54.61	CECILIA MCCLOSKEY	USA 2020	1:37.27	BRIGITTE MERTEN	GER 2016	7:13.03	MAUREEN MONS	RSA 2021
12:05.88	CONNY BOER-BUIJS	NED 2020	200 M. BRST			7:14.68	CAROLYN BOAK	USA 2019
12:11.34	CAROLYN BOAK	USA 2016	3:24.57	NOBUKO YASUDA	JPN 2017	7:15.08	CHRISTIE HAYES	USA 2018
12:19.33	EVIE S LYNCH	USA 2022	3:25.76	JOANN LEILICH	USA 2009			

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*****						41.75	HIROMI SATO	JPN	2017	1:40.06	CLARY MUNNS	AUS	2019
WOMEN 75-79						43.18	BITTE AXLING	SWE	2021	1:44.35	JUDIE OLIVER	CAN	2007
*****						43.19	MARLENE MENDES	BRA	2008	1:44.90	YOSHIKO OSAKI	JPN	2013
50	M.	FREE				43.23	LILIA ALMEIDA	BRA	2014	1:45.10	JANE ASHER	GBR	2006
34.04	DIANN UUSTAL	USA	2022			43.46	YOSHIKO OSAKI	JPN	2014	1:46.04	DANIELA BARNEA	USA	2019
34.58	CHRISTEL SCHULZ	GER	2015	100	M.	BACK				1:46.98	HELGA REICH	GER	2011
35.25	BITTE AXLING	SWE	2021	1:26.40	DIANN UUSTAL	USA	2022			1:47.96	DIANE FORD	GBR	2019
35.39	IKUKO OKADO	JPN	2018	1:27.40	CLARY MUNNS	AUS	2019	200	M.	FLY			
35.41	YOSHIKO OSAKI	JPN	2014	1:29.03	MARGIT OHLSSON	SWE	2020	3:34.50	CLARY MUNNS	AUS	2019		
35.42	MADLINE LANTHIER	CAN	2018	1:29.04	E.KETELSEN	DEN	2018	3:57.22	DANIELA BARNEA	USA	2019		
35.43	KIRA MAKAROVA	RUS	2022	1:29.73	SATOKO TAKEUJI	JPN	2017	3:57.63	HELGA REICH	GER	2012		
35.74	CLARY MUNNS	AUS	2019	1:33.68	CHRISTEL SCHULZ	GER	2015	3:58.98	LINDA MACPHERSON	CAN	2013		
35.88	JANE ASHER	GBR	2006	1:34.32	NORIKO YOSHIDA	JPN	2018	4:00.46	JUDIE OLIVER	CAN	2007		
36.09	M.LANTHIER	CAN	2019	1:34.38	ELIANE PELLIS	BEL	2009	4:06.06	JANE ASHER	GBR	2006		
100	M.	FREE		1:35.18	YOSHIKO OSAKI	JPN	2015	4:08.39	LOIS KIVI NOCHMAN	USA	1999		
1:15.87	DIANN UUSTAL	USA	2021	1:36.33	SHOKO YONEZAWA	JPN	2010	4:08.54	SEIKO HASEBE	JPN	2019		
1:18.30	KIRA MAKAROVA	RUS	2022	200	M.	BACK		4:09.28	GAIL ROPER	USA	2004		
1:18.59	JANE ASHER	GBR	2006	3:10.53	DIANN UUSTAL	USA	2021	4:12.50	JUNE KRAUSER	USA	2001		
1:19.11	CHRISTEL SCHULZ	GER	2015	3:12.65	CLARY MUNNS	AUS	2019	100	M.	I.M.			
1:19.41	YOSHIKO OSAKI	JPN	2015	3:19.37	NORIKO YOSHIDA	JPN	2018	1:27.96	CLARY MUNNS	AUS	2019		
1:21.12	CLARY MUNNS	AUS	2019	3:20.26	E.KETELSEN	DEN	2018	1:28.60	KIRA MAKAROVA	RUS	2022		
1:21.26	MADLINE LANTHIER	CAN	2018	3:22.68	CHRISTEL SCHULZ	GER	2015	1:29.53	DIANN UUSTAL	USA	2022		
1:22.09	E.KETELSEN	DEN	2018	3:27.25	MARGIT OHLSSON	SWE	2022	1:31.34	BRIGITTE MERTEN	GER	2021		
1:22.73	MADELEINE SEVIGNY	CAN	2022	3:29.45	KAZUKO ITO	JPN	2017	1:31.38	YOSHIKO OSAKI	JPN	2013		
1:22.95	RUTH Y SHAPS	USA	2022	3:31.66	JEN THOMASSON	AUS	2019	1:31.62	SHOKO YONEZAWA	JPN	2010		
200	M.	FREE		3:32.59	JANE ASHER	GBR	2006	1:32.92	JANE ASHER	GBR	2006		
2:51.46	DIANN UUSTAL	USA	2022	3:34.09	NANCY BROWN	USA	2011	1:33.86	CHRISTEL SCHULZ	GER	2015		
2:51.65	YOSHIKO OSAKI	JPN	2013	50	M.	BRST		1:38.11	GAIL ROPER	USA	2004		
2:57.19	JANE ASHER	GBR	2006	43.79	SHOKO YONEZAWA	JPN	2010	1:38.50	BEVERLY MONTRELLA	USA	2022		
2:58.33	JEN THOMASSON	AUS	2018	45.37	DIANE FORD	GBR	2019	200	M.	I.M.			
3:00.26	CHRISTEL SCHULZ	GER	2015	45.48	NOBUKO YASUDA	JPN	2020	3:15.24	KIRA MAKAROVA	RUS	2022		
3:04.79	MADLINE LANTHIER	CAN	2018	45.89	KIRA MAKAROVA	RUS	2022	3:16.79	CLARY MUNNS	AUS	2019		
3:07.58	GAIL ROPER	USA	2005	46.20	JOANN LEILICH	USA	2014	3:22.23	YOSHIKO OSAKI	JPN	2013		
3:07.97	E.KETELSEN	DEN	2018	46.24	CLARY MUNNS	AUS	2019	3:28.12	BRIGITTE MERTEN	GER	2022		
3:08.78	RUTH Y SHAPS	USA	2022	46.62	BITTE AXLING	SWE	2021	3:30.27	CHRISTEL SCHULZ	GER	2015		
3:08.94	LINDA MACPHERSON	CAN	2014	46.86	ELIANE PELLIS	BEL	2008	3:31.20	JANE ASHER	GBR	2006		
400	M.	FREE		46.94	A.VAN OBBERGHEN	BEL	2008	3:32.91	CAROLYN BOAK	USA	2021		
6:08.74	YOSHIKO OSAKI	JPN	2015	47.07	BRIGITTE MERTEN	GER	2022	3:34.05	DANIELA BARNEA	USA	2019		
6:09.40	JANE ASHER	GBR	2006	100	M.	BRST		3:35.06	JUDIE OLIVER	CAN	2007		
6:17.67	CAROLYN BOAK	USA	2021	1:36.48	SHOKO YONEZAWA	JPN	2010	3:37.24	GAIL ROPER	USA	2005		
6:32.27	RUTH Y SHAPS	USA	2022	1:37.49	NOBUKO YASUDA	JPN	2020	400	M.	I.M.			
6:34.85	ROSA MONTAGUE	AUS	2022	1:38.81	LUISE KNOPFLE	GER	2015	7:10.09	CLARY MUNNS	AUS	2019		
6:39.88	DENISE ROBERTSON	AUS	2010	1:39.90	DIANE FORD	GBR	2019	7:11.33	YOSHIKO OSAKI	JPN	2013		
6:42.00	LINDA MACPHERSON	CAN	2013	1:40.82	JOANN LEILICH	USA	2014	7:27.94	CAROLYN BOAK	USA	2021		
6:42.76	E.KETELSEN	DEN	2018	1:41.49	CLARY MUNNS	AUS	2019	7:31.69	BRIGITTE MERTEN	GER	2022		
6:44.09	JEAN TROY	USA	2002	1:42.36	MASAYO AZUMA	JPN	2010	7:34.39	JANE ASHER	GBR	2006		
6:49.27	HELGA REICH	GER	2012	1:43.34	ELIANE PELLIS	BEL	2008	7:39.96	JUDIE OLIVER	CAN	2007		
800	M.	FREE		1:43.58	DANIELA BARNEA	USA	2019	7:42.05	DANIELA BARNEA	USA	2019		
12:25.61	YOSHIKO OSAKI	JPN	2013	1:44.01	A.VAN OBBERGHEN	BEL	2008	7:52.71	JUNE KRAUSER	USA	2001		
12:42.75	JANE ASHER	GBR	2006	200	M.	BRST		7:59.77	NANCY BROWN	USA	2011		
13:05.40	CAROLYN BOAK	USA	2021	3:33.03	SHOKO YONEZAWA	JPN	2010	8:05.23	GAIL ROPER	USA	2006		
13:07.49	ROSA MONTAGUE	AUS	2022	3:36.11	LUISE KNOPFLE	GER	2015	*****					
13:11.76	RUTH Y SHAPS	USA	2022	3:36.56	JOANN LEILICH	USA	2014	WOMEN 80-84					
13:41.49	E.KETELSEN	DEN	2018	3:39.58	DIANE FORD	GBR	2019	*****					
13:55.30	HELGA REICH	GER	2013	3:40.80	MASAYO AZUMA	JPN	2010	50	M.	FREE			
13:58.06	BEVERLY MONTRELLA	USA	2022	3:44.13	CLARY MUNNS	AUS	2019	36.08	YOSHIKO OSAKI	JPN	2018		
13:58.35	DENISE ROBERTSON	AUS	2014	3:45.84	DANIELA BARNEA	USA	2019	37.67	JANE ASHER	GBR	2011		
13:59.01	JEAN TROY	USA	2002	3:46.90	NOBUKO YASUDA	JPN	2022	38.03	GAIL ROPER	USA	2009		
1500	M.	FREE		3:47.58	ELIANE PELLIS	BEL	2008	38.97	CHRISTEL SCHULZ	GER	2022		
24:04.75	JANE ASHER	GBR	2006	3:48.93	TAYO FUJIEDA	JPN	2013	39.21	JOHNNIE DETRICK	USA	2016		
25:06.12	RUTH Y SHAPS	USA	2022	50	M.	FLY		39.36	FUSAKO HIROOKA	JPN	2017		
26:13.05	BEVERLY MONTRELLA	USA	2022	38.17	JUDY WILSON	FRA	2019	40.16	MASAKO KOHA	JPN	2021		
26:16.54	E.KETELSEN	DEN	2018	38.30	DIANN UUSTAL	USA	2022	40.24	MITSUOKO KOMURO	JPN	2010		
26:20.36	LINDA MACPHERSON	CAN	2013	39.98	KIRA MAKAROVA	RUS	2022	40.96	FUMIKO NAKAMURA	JPN	2018		
26:27.99	ROSE DUDENEY	GBR	2022	40.14	CLARY MUNNS	AUS	2019	41.10	JUDIE OLIVER	CAN	2014		
26:37.02	GAIL ROPER	USA	2005	40.71	JANE ASHER	GBR	2006	100	M.	FREE			
26:37.22	JAN CROFT	AUS	2018	41.14	BRIGITTE MERTEN	GER	2022	1:21.29	YOSHIKO OSAKI	JPN	2018		
26:37.41	DENISE ROBERTSON	AUS	2011	41.46	CHRISTEL SCHULZ	GER	2018	1:23.46	JANE ASHER	GBR	2011		
26:44.97	HELGA REICH	GER	2012	42.23	HISAKO KITAYAMA	JPN	2012	1:26.23	GAIL ROPER	USA	2009		
50	M.	BACK		42.44	HARUMI SUGIMOTO	JPN	2013	1:28.80	CHRISTEL SCHULZ	GER	2021		
39.01	CLARY MUNNS	AUS	2019	42.67	BITTE AXLING	SWE	2021	1:32.76	JOHNNIE DETRICK	USA	2016		
40.02	DIANN UUSTAL	USA	2022	100	M.	FLY		1:33.15	LINDA MACPHERSON	CAN	2018		
40.74	E.KETELSEN	DEN	2018	1:30.03	JUDY WILSON	FRA	2019	1:33.19	DENISE ROBERTSON	AUS	2015		
41.12	SATOKO TAKEUJI	JPN	2017	1:31.56	KIRA MAKAROVA	RUS	2022	1:33.88	JEAN TROY	USA	2007		
41.50	MARGIT OHLSSON	SWE	2020	1:36.09	BRIGITTE MERTEN	GER	2022						

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1:34.45	MARGERY MEYER	USA	2002	3:49.97	UTE REMENYI	AUT	2019	1:44.95	GAIL ROPER	USA	2009
1:34.59	M. CUNNINGHAM	AUS	2005	3:56.50	KAZUKO ITO	JPN	2022	1:47.41	CHRISTEL SCHULZ	GER	2022
200 M. FREE				3:59.15	NANCY KINNEY	USA	2009	1:48.18	TAYO FUJIEDA	JPN	2019
3:00.43	YOSHIKO OSAKI	JPN	2018	4:01.53	HISAKO KITAYAMA	JPN	2018	1:49.26	MITSUOKO KOMURO	JPN	2010
3:01.61	JANE ASHER	GBR	2011	50 M. BRST				1:49.30	MARCELA STASTNA	CZE	2017
3:13.78	CHRISTEL SCHULZ	GER	2021	46.48	SHOKO YONEZAWA	JPN	2015	1:52.23	GERDA WILLIAMS	AUS	2022
3:18.57	GAIL ROPER	USA	2009	48.46	ELIANE PELLIS	BEL	2013	200 M. I.M.			
3:21.74	DENISE ROBERTSON	AUS	2015	49.26	LUISE KNOPFLE	GER	2019	3:43.73	JANE ASHER	GBR	2011
3:22.05	LINDA MACPHERSON	CAN	2018	49.35	A.VAN OBBERGHEN	BEL	2011	3:47.29	JUDIE OLIVER	CAN	2012
3:25.56	ANNE H WILLIAMS	USA	2019	50.48	SATOKO SUZUKI	JPN	2003	3:55.51	GAIL ROPER	USA	2009
3:26.52	JEAN TROY	USA	2007	50.49	JOANN LEILICH	USA	2019	4:06.69	TAYO FUJIEDA	JPN	2019
3:27.10	HELGA REICH	GER	2017	50.73	MASAYO AZUMA	JPN	2015	4:07.37	URSULA FROHLICH	GER	2015
3:27.57	MARGERY MEYER	USA	2002	50.81	TAYO FUJIEDA	JPN	2018	4:07.66	JEAN TROY	USA	2007
400 M. FREE				51.12	MONIKA SENFTLEBEN	GER	2022	4:08.28	JOY WARD	USA	2022
6:23.17	YOSHIKO OSAKI	JPN	2019	51.23	GESELA GRUNER	GER	2016	4:10.32	ANNE H WILLIAMS	USA	2022
6:34.92	JANE ASHER	GBR	2011	100 M. BRST				4:11.26	SUE MAYNE	AUS	2016
6:57.02	DENISE ROBERTSON	AUS	2015	1:45.52	SHOKO YONEZAWA	JPN	2015	4:11.71	MARCELA STASTNA	CZE	2017
7:06.88	LINDA MACPHERSON	CAN	2018	1:45.82	LUISE KNOPFLE	GER	2019	400 M. I.M.			
7:15.08	KATSUE NOMURA	JPN	2022	1:49.42	TAYO FUJIEDA	JPN	2018	8:04.67	JUDIE OLIVER	CAN	2012
7:20.91	URSULA FROHLICH	GER	2017	1:49.50	MASAYO AZUMA	JPN	2017	8:07.34	JANE ASHER	GBR	2011
7:20.94	HELGA REICH	GER	2018	1:49.73	A.VAN OBBERGHEN	BEL	2011	8:39.68	GAIL ROPER	USA	2009
7:20.96	JEAN TROY	USA	2007	1:50.15	JOANN LEILICH	USA	2019	8:47.93	URSULA FROHLICH	GER	2015
7:22.51	ANNE H WILLIAMS	USA	2019	1:53.56	ANNE WILLIAMS	USA	2018	8:52.23	JOY WARD	USA	2022
7:22.68	TAYO FUJIEDA	JPN	2018	1:54.30	SATOKO SUZUKI	JPN	2003	8:59.94	SUSAN L MEYERS	USA	2022
800 M. FREE				1:55.24	SANTA JAARSVELD	RSA	2017	9:01.89	DENISE ROBERTSON	AUS	2015
12:49.43	JANE ASHER	GBR	2011	1:57.31	ANN HIRSCH	USA	2011	9:16.45	KAZU KOYAMA	JPN	2019
14:12.49	DENISE ROBERTSON	AUS	2015	200 M. BRST				9:29.36	SUE MAYNE	AUS	2018
14:39.56	LINDA MACPHERSON	CAN	2018	3:54.35	SHOKO YONEZAWA	JPN	2016	9:30.65	JEAN TROY	USA	2007
14:56.40	ANNE H WILLIAMS	USA	2019	3:57.78	MASAYO AZUMA	JPN	2016	*****			
15:01.87	KATSUE NOMURA	JPN	2022	4:00.52	A.VAN OBBERGHEN	BEL	2011	WOMEN 85-89			
15:12.35	JEAN TROY	USA	2007	4:01.34	JOANN LEILICH	USA	2019	*****			
15:12.42	URSULA FROHLICH	GER	2016	4:02.76	ANNE WILLIAMS	USA	2018	50 M. FREE			
15:19.18	TAYO FUJIEDA	JPN	2019	4:03.73	TAYO FUJIEDA	JPN	2018	38.75	JANE ASHER	GBR	2016
15:24.58	JUDIE OLIVER	CAN	2013	4:05.71	YOSHIKO OSAKI	JPN	2020	42.72	FUSAKO HIROOKA	JPN	2022
15:30.51	MARGERY MEYER	USA	2005	4:06.13	SANTA JAARSVELD	RSA	2017	44.68	MIEKO KAMOSHITA	JPN	2012
1500 M. FREE				4:10.42	JUDIE OLIVER	CAN	2012	45.41	DENISE ROBERTSON	AUS	2022
25:45.37	JANE ASHER	GBR	2011	4:12.33	JANE ASHER	GBR	2011	45.58	HELEN BIRD	AUS	2022
27:47.69	KATSUE NOMURA	JPN	2022	50 M. FLY				45.84	TOKUYO KAMIGAKI	JPN	2011
28:05.55	LINDA MACPHERSON	CAN	2019	45.57	JANE ASHER	GBR	2011	46.01	NAN BOHL	USA	2014
28:07.36	ANNE H WILLIAMS	USA	2019	46.90	JUDIE OLIVER	CAN	2012	46.31	OLGA JOHNSON	NZL	2006
28:22.75	DENISE ROBERTSON	AUS	2016	48.51	CHRISTEL SCHULZ	GER	2022	46.35	JEAN TROY	USA	2012
28:55.09	JEAN TROY	USA	2007	48.77	LUISE KNOPFLE	GER	2019	46.43	ELIANE PELLIS	BEL	2018
28:57.32	URSULA FROHLICH	GER	2016	48.79	FUMIKO NAKAMURA	JPN	2018	100 M. FREE			
29:34.22	DOROTHY DICKEY	AUS	2010	48.85	GAIL ROPER	USA	2009	1:28.60	JANE ASHER	GBR	2016
29:39.08	MARGERY MEYER	USA	2002	49.05	MARY ANN CASE	USA	2021	1:38.55	DENISE ROBERTSON	AUS	2022
29:48.75	RITA SIMONTON	USA	1998	49.44	MARCELA STASTNA	CZE	2017	1:41.35	HELGA REICH	GER	2021
50 M. BACK				49.49	HISAKO KITAYAMA	JPN	2018	1:43.97	JEAN TROY	USA	2012
43.76	SATOKO TAKEUJI	JPN	2022	49.74	SHOKO YAMADA	JPN	2018	1:44.91	NAN BOHL	USA	2014
45.01	HIROMI SATO	JPN	2022	100 M. FLY				1:45.51	JUDIE OLIVER	CAN	2017
45.08	YOSHIKO OSAKI	JPN	2020	1:50.08	JUDIE OLIVER	CAN	2012	1:46.44	DOROTHY DICKEY	AUS	2015
46.10	JANE ASHER	GBR	2011	1:56.74	MARCELA STASTNA	CZE	2017	1:46.95	MARGERY MEYER	USA	2008
46.29	SHOKO YONEZAWA	JPN	2016	1:58.02	GAIL ROPER	USA	2009	1:47.69	MAE WALDIE	CAN	2022
46.51	HELEN BIRD	AUS	2017	1:59.41	JANE ASHER	GBR	2011	1:47.73	BETTY LORENZI	USA	2012
47.60	CHRISTEL SCHULZ	GER	2022	1:59.67	SHOKO YAMADA	JPN	2019	200 M. FREE			
47.63	JUDIE OLIVER	CAN	2014	2:01.23	HARU TSUKINO	JPN	2020	3:12.66	JANE ASHER	GBR	2016
47.92	YOKO ARAI	JPN	2022	2:02.63	LOIS KIVI NOCHMAN	USA	2004	3:34.71	DENISE ROBERTSON	AUS	2021
48.82	KERSTIN GJORES	SWE	2007	2:03.21	MARY ANN CASE	USA	2021	3:39.36	HELGA REICH	GER	2021
100 M. BACK				2:05.26	SUSAN L MEYERS	USA	2022	3:46.77	TAYO FUJIEDA	JPN	2022
1:40.82	YOSHIKO OSAKI	JPN	2019	2:09.74	FUMIKO NAKAMURA	JPN	2018	3:49.35	JEAN TROY	USA	2012
1:44.27	CHRISTEL SCHULZ	GER	2022	200 M. FLY				3:50.49	DOROTHY DICKEY	AUS	2015
1:44.88	JANE ASHER	GBR	2011	4:10.18	JUDIE OLIVER	CAN	2012	3:52.10	KATHARINA FLORA	HUN	2020
1:45.08	SHOKO YONEZAWA	JPN	2016	4:31.97	LOIS KIVI NOCHMAN	USA	2005	3:54.18	MARGERY MEYER	USA	2007
1:45.29	JUDIE OLIVER	CAN	2014	4:38.58	SUSAN L MEYERS	USA	2022	3:57.48	RITA SIMONTON	USA	2003
1:45.36	EVA JAROSOVA	CZE	2016	4:46.48	MARY ANN CASE	USA	2021	4:01.13	NAN BOHL	USA	2014
1:46.03	HELEN BIRD	AUS	2017	4:54.54	BETTY RUSS	USA	2008	400 M. FREE			
1:46.73	JOY WARD	USA	2022	5:20.76	Y. KAPLAN-BADER	FRA	2010	6:57.06	JANE ASHER	GBR	2016
1:48.75	YOKO ARAI	JPN	2022	5:22.65	MAXINE O MERLINO	USA	1992	7:27.11	DENISE ROBERTSON	AUS	2022
1:48.87	UTE REMENYI	AUT	2019	5:24.06	JAE HOWELL	USA	2002	7:52.59	KATHARINA FLORA	HUN	2020
200 M. BACK				5:27.00	JEAN DURSTON	USA	1997	7:58.41	MARGERY MEYER	USA	2008
3:35.28	YOSHIKO OSAKI	JPN	2018	5:27.09	DEETTE A SAUER	USA	2021	8:03.09	JEAN TROY	USA	2012
3:42.88	JANE ASHER	GBR	2011	100 M. I.M.				8:03.71	DOROTHY DICKEY	AUS	2015
3:44.82	JOY WARD	USA	2022	1:36.03	YOSHIKO OSAKI	JPN	2019	8:17.82	RITA SIMONTON	USA	2003
3:48.35	EVA JAROSOVA	CZE	2016	1:41.14	SHOKO YONEZAWA	JPN	2015	8:19.75	NAN BOHL	USA	2014
3:48.67	YOKO ARAI	JPN	2022	1:42.46	JANE ASHER	GBR	2011	8:31.16	AIKO HORII	JPN	2015
3:49.32	JUDIE OLIVER	CAN	2014	1:43.51	JUDIE OLIVER	CAN	2013				

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



8:33.51 ELIANE PELLIS	BEL	2018	2:15.32 JUDIE OLIVER	CAN	2018	11:02.02 MAXINE MERLINO	USA	1998
800 M. FREE			2:17.21 ETSUKO KIMURA	JPN	2014	11:16.04 BETTY RUSS	USA	2015
14:24.83 JANE ASHER	GBR	2016	2:18.42 OLGA KOKORINA	RUS	2012	11:51.00 KALIS RASMUSSEN	CAN	2009
16:23.22 DOROTHY DICKEY	AUS	2015	200 M. BRST			12:04.38 NADIR TAUBERT	BRA	2019
16:25.24 BETTY LORENZI	USA	2012	4:17.73 MASAYO AZUMA	JPN	2020	12:24.66 JAE HOWELL	USA	2007
16:37.49 NAN BOHL	USA	2014	4:30.54 TAYO FUJIEDA	JPN	2022			
16:49.43 RITA SIMONTON	USA	2003	4:38.73 JANE ASHER	GBR	2016	*****		
17:30.38 MAE WALDIE	CAN	2022	4:55.91 JUDIE OLIVER	CAN	2018	WOMEN 90-94		
17:36.42 AIKO HORII	JPN	2015	5:09.65 DOROTHY WILLIAMS	GBR	2008	*****		
18:02.38 MAURINE KORNFELD	USA	2007	5:10.70 NORIKO KIMURA	JPN	2018	50 M. FREE		
18:03.40 YOSHIKO KINOSHITA	JPN	2016	5:10.89 ETSUKO KIMURA	JPN	2014	45.42 JANE ASHER	GBR	2021
18:14.96 ELSA DE LEEUW	CAN	2009	5:11.46 NADIR TAUBERT	BRA	2018	49.09 MIEKO KAMOSHITA	JPN	2017
1500 M. FREE			5:12.28 DENISE ROBERTSON	AUS	2022	50.72 OLGA KOKORINA	RUS	2013
28:02.25 JANE ASHER	GBR	2016	5:13.19 JEAN TROY	USA	2012	53.46 JEAN TROY	USA	2017
30:50.51 BETTY LORENZI	USA	2012	50 M. FLY			53.97 JUDITH OLIVER	CAN	2022
31:44.50 RITA SIMONTON	USA	2003	51.40 JUDIE OLIVER	CAN	2017	55.24 LIZ WALLIS	AUS	2018
32:37.40 DOROTHY DICKEY	AUS	2016	51.60 JANE ASHER	GBR	2017	55.53 HISAKO KOGA	JPN	2007
33:03.30 MARGERY MEYER	USA	2007	51.79 KATHARINA FLORA	HUN	2020	55.55 TOKUYO KAMIGAKI	JPN	2016
34:37.00 AIKO HORII	JPN	2016	52.13 K.FLORA-OROSZ	HUN	2019	56.55 RITA SIMONTON	USA	2008
34:52.73 YOSHIKO KINOSHITA	JPN	2016	59.34 HELGA REICH	GER	2021	59.11 NAN BOHL	USA	2019
35:01.96 MAE WALDIE	CAN	2022	1:02.04 LOIS KIVI NOCHMAN	USA	2009	100 M. FREE		
35:03.42 BETTY RUSS	USA	2012	1:05.40 MARCELA STASTNA	CZE	2022	1:44.21 JANE ASHER	GBR	2021
35:19.16 EULAH VARTY	CAN	2019	1:06.92 JEAN TROY	USA	2012	1:58.28 OLGA KOKORINA	RUS	2013
50 M. BACK			1:07.35 JEAN DURSTON	USA	1999	1:59.88 MIEKO KAMOSHITA	JPN	2017
47.99 KATHARINA FLORA	HUN	2019	1:07.98 E.LOBSGIER	ESP	2016	2:02.14 JEAN TROY	USA	2017
49.07 JANE ASHER	GBR	2016	100 M. FLY			2:06.06 BETTY LORENZI	USA	2017
49.15 HELEN BIRD	AUS	2022	2:02.59 JUDIE OLIVER	CAN	2017	2:07.65 RITA SIMONTON	USA	2008
51.29 MAE WALDIE	CAN	2022	2:21.77 LOIS KIVI NOCHMAN	USA	2009	2:08.19 LIZ WALLIS	AUS	2018
51.75 BETTY LORENZI	USA	2012	2:27.22 BETTY RUSS	USA	2013	2:09.13 HISAKO KOGA	JPN	2008
53.00 U.MEYER-TONNDORF	GER	2021	2:36.50 JEAN DURSTON	USA	1999	2:10.19 NAN BOHL	USA	2019
55.49 JUDIE OLIVER	CAN	2017	2:37.57 Y.KAPLAN-BADER	FRA	2013	2:10.77 ELSA DE LEEUW	CAN	2014
56.46 KERSTIN GJORES	SWE	2012	2:51.00 MAXINE MERLINO	USA	1998	200 M. FREE		
57.29 ITSUKO KATSUBE	JPN	2020	2:59.36 NADIR TAUBERT	BRA	2018	3:52.93 JANE ASHER	GBR	2021
57.36 NANCY KINNEY	USA	2015	2:59.72 JUNE REYNOLDS	USA	2007	4:22.10 JUDITH OLIVER	CAN	2022
100 M. BACK			3:00.21 HARUKO SASAKI	JPN	2018	4:24.90 RITA SIMONTON	USA	2008
1:44.18 KATHARINA FLORA	HUN	2019	3:02.94 CHIYO FUKUSHIMA	JPN	2017	4:26.20 JEAN TROY	USA	2017
1:50.18 JANE ASHER	GBR	2016	200 M. FLY			4:30.42 MAURINE KORNFELD	USA	2012
1:52.16 HELEN BIRD	AUS	2022	4:40.42 JUDIE OLIVER	CAN	2017	4:31.99 LIZ WALLIS	AUS	2017
1:52.21 BETTY LORENZI	USA	2012	4:59.50 LOIS KIVI NOCHMAN	USA	2009	4:35.87 BETTY LORENZI	USA	2017
1:55.03 JUDIE OLIVER	CAN	2017	5:33.79 BETTY RUSS	USA	2012	4:49.36 HISAKO KOGA	JPN	2008
1:56.20 MAE WALDIE	CAN	2022	5:42.80 JEAN DURSTON	USA	1999	4:52.63 ELSA DE LEEUW	CAN	2014
1:56.60 HISAKO KITAYAMA	JPN	2022	6:01.46 MAXINE MERLINO	USA	1998	4:57.70 SHEILA NAIMAN	CAN	2020
2:04.31 FUSAKO KATO	JPN	2022	6:04.28 Y.KAPLAN-BADER	FRA	2014	400 M. FREE		
2:05.64 NANCY KINNEY	USA	2015	6:10.94 NADIR TAUBERT	BRA	2018	9:01.89 RITA SIMONTON	USA	2008
2:05.95 KERSTIN GJORES	SWE	2012	6:26.75 JAE HOWELL	USA	2007	9:21.61 MAURINE KORNFELD	USA	2013
200 M. BACK			6:41.13 HARUKO SASAKI	JPN	2017	9:36.25 LIZ WALLIS	AUS	2017
3:48.62 KATHARINA FLORA	HUN	2019	6:45.75 JUNE REYNOLDS	USA	2007	10:01.56 HISAKO KOGA	JPN	2007
3:57.91 JANE ASHER	GBR	2016	100 M. I.M.			10:06.85 BETTY BRUSSEL	CAN	2015
4:05.00 BETTY LORENZI	USA	2014	1:47.02 JANE ASHER	GBR	2016	10:11.17 AIKO HORII	JPN	2022
4:18.50 EDITH THEIN	ISR	2003	1:49.10 KATHARINA FLORA	HUN	2019	10:22.21 NAN BOHL	USA	2019
4:20.14 JUDIE OLIVER	CAN	2018	1:55.76 JUDIE OLIVER	CAN	2017	10:29.76 WILLY VAN RYSEL	GBR	2006
4:29.09 NANCY KINNEY	USA	2015	1:58.23 TAYO FUJIEDA	JPN	2022	10:33.62 ELSA DE LEEUW	CAN	2014
4:31.04 MAE WALDIE	CAN	2022	2:01.59 HELGA REICH	GER	2022	10:45.34 MAXINE MERLINO	USA	2002
4:31.92 KERSTIN GJORES	SWE	2012	2:08.06 JEAN TROY	USA	2012	800 M. FREE		
4:32.04 KASUMI ISHIKAWA	JPN	2020	2:08.96 DENISE ROBERTSON	AUS	2022	18:38.69 MAURINE KORNFELD	USA	2011
4:34.10 AIKO GOTO	JPN	2016	2:09.97 MARCELA STASTNA	CZE	2022	18:38.98 RITA SIMONTON	USA	2008
50 M. BRST			2:12.85 JEWEL COOKE	USA	1995	20:07.33 BETTY BRUSSEL	CAN	2014
52.17 AGNES OBBERGHEN	BEL	2016	2:12.90 AGNES KISS	HUN	2013	20:46.41 AIKO HORII	JPN	2022
52.33 SHOKO YONEZAWA	JPN	2022	200 M. I.M.			21:16.76 WILLY VAN RYSEL	GBR	2006
53.08 GISELA GRUNER	GER	2022	3:57.27 KATHARINA FLORA	HUN	2019	22:18.84 MAXINE MERLINO	USA	2002
55.33 ELIANE PELLIS	BEL	2018	4:02.82 JANE ASHER	GBR	2016	22:40.67 FUMI MURATA	JPN	2014
56.39 TAYO FUJIEDA	JPN	2022	4:06.22 JUDIE OLIVER	CAN	2017	22:57.60 VALERIE LINCOLN	AUS	2015
58.27 JANE ASHER	GBR	2016	4:13.70 TAYO FUJIEDA	JPN	2022	23:14.76 JOAN K CAMPBELL	USA	2021
59.00 M.KAPCAROVA	SVK	2013	4:48.96 JEAN TROY	USA	2012	23:17.55 KALIS RASMUSSEN	CAN	2015
1:00.27 SYLVIA EISELE	CAN	2014	4:59.06 LOIS KIVI NOCHMAN	USA	2009	1500 M. FREE		
1:00.45 ETSUKO KIMURA	JPN	2014	5:04.14 Y.KAPLAN-BADER	FRA	2013	33:41.77 JANE ASHER	GBR	2021
1:00.56 SATOKO SUZUKI	JPN	2008	5:09.92 MARIA LENK	BRA	2000	35:40.38 RITA SIMONTON	USA	2008
100 M. BRST			5:12.01 JEAN DURSTON	USA	1999	41:20.62 WILLY VAN RYSEL	GBR	2006
1:56.68 AGNES OBBERGHEN	BEL	2016	5:12.13 MAXINE MERLINO	USA	1998	41:59.32 FUMI MURATA	JPN	2013
1:59.34 MASAYO AZUMA	JPN	2022	400 M. I.M.			44:27.18 MAXINE MERLINO	USA	2002
2:02.08 TAYO FUJIEDA	JPN	2022	8:42.45 JUDIE OLIVER	CAN	2017	45:12.58 KALIS RASMUSSEN	CAN	2015
2:03.00 SHOKO YONEZAWA	JPN	2022	10:13.73 JEAN TROY	USA	2012	47:40.80 JOAN K CAMPBELL	USA	2021
2:03.78 ELIANE PELLIS	BEL	2018	10:28.05 LOIS KIVI NOCHMAN	USA	2009	48:36.59 KATH JOHNSTONE	NZL	2007
2:08.05 JANE ASHER	GBR	2017	10:39.21 Y.KAPLAN-BADER	FRA	2014	50:36.15 LILLIAN WARREN	CAN	2010
2:11.98 SATOKO SUZUKI	JPN	2009	10:55.73 JEAN DURSTON	USA	1999	53:29.69 CHARLOTTE SANDDAL	USA	2015

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50 M. BACK		1:49.08	JEWEL COOKE	USA 2000	10:08.44	MAURINE KORNFELD	USA 2016
55.59 JANE ASHER	GBR 2021	1:53.34	KALIS RASMUSSEN	CAN 2014	10:51.23	BETTY BRUSSEL	CAN 2019
56.84 BETTY LORENZI	USA 2017	100 M. FLY			13:05.10	MIEKO NAGAOKA	JPN 2010
1:01.42 JUDITH OLIVER	CAN 2022	2:28.60	JUDITH OLIVER	CAN 2022	15:28.76	MASAKO MATSUNO	JPN 2012
1:04.17 KERSTIN GJORES	SWE 2017	3:21.00	DOROTHY WESTON	GBR 2003	18:16.17	CHARLOTTE SANDDAL	USA 2019
1:05.45 LIZ WALLIS	AUS 2017	3:45.69	NORA RONAI	BRA 2014	19:20.68	BERNARDA ANGULO	ESP 2007
1:05.70 WILLY VAN RYSEL	GBR 2006	4:06.32	JEWELL COOK	USA 1999	19:24.06	ROSA SELLARES	ESP 2006
1:06.29 KALIS RASMUSSEN	CAN 2014	5:02.23	CHARLOTTE SANDDAL	USA 2016	21:39.84	ANNE DUNIVIN	USA 2011
1:06.44 NANCY KINNEY	USA 2019	200 M. FLY			800 M. FREE		
1:08.11 AIKO GOTO	JPN 2021	5:33.79	JUDITH OLIVER	CAN 2022	20:57.02	MAURINE KORNFELD	USA 2016
1:08.16 NOEL MORROW	CAN 2009	9:17.02	NORA RONAI	BRA 2014	21:29.69	BETTY BRUSSEL	CAN 2019
100 M. BACK		100 M. I.M.			27:58.70	MIEKO NAGAOKA	JPN 2010
2:01.17 JANE ASHER	GBR 2021	2:09.47	JANE ASHER	GBR 2022	31:30.34	CHARLOTTE SANDDAL	USA 2018
2:04.90 BETTY LORENZI	USA 2017	2:10.73	JUDITH OLIVER	CAN 2022	1500 M. FREE		
2:24.46 PERSIS RAE	AUS 2010	2:22.96	OLGA KOKORINA	RUS 2013	42:34.14	RITA SIMONTON	USA 2013
2:26.64 WILLY VAN RYSEL	GBR 2006	2:34.39	JEAN TROY	USA 2017	55:14.66	MIEKO NAGAOKA	JPN 2011
2:29.35 AIKO GOTO	JPN 2021	2:51.20	RITA SIMONTON	USA 2008	62:37.00	CHARLOTTE SANDDAL	USA 2018
2:29.86 HANA ENATSU	JPN 2013	2:53.56	NORA RONAI	BRA 2014	50 M. BACK		
2:30.57 KALIS RASMUSSEN	CAN 2015	2:55.03	AGNES KISS	HUN 2018	1:12.24	NORA KUTTI	EST 2017
2:32.24 RITA SIMONTON	USA 2010	2:58.00	NAN BOHL	USA 2019	1:12.64	LIZ WALLIS	AUS 2022
2:33.82 NOEL MORROW	CAN 2009	3:00.91	KALIS RASMUSSEN	CAN 2014	1:17.82	KALLIS RASMUSSEN	CAN 2019
2:34.81 MAURINE KORNFELD	USA 2011	3:06.08	DOROTHY WESTON	GBR 2003	1:20.28	MIEKO NAGAOKA	JPN 2010
200 M. BACK		200 M. I.M.			1:20.79	MAURINE KORNFELD	USA 2018
4:24.90 BETTY LORENZI	USA 2017	4:50.01	JUDITH OLIVER	CAN 2022	1:22.21	SUGAKO KUWAYAMA	JPN 2018
4:57.77 PERSIS RAE	AUS 2010	5:40.20	JEAN TROY	USA 2017	1:24.74	KALIS RASMUSSEN	CAN 2022
5:02.82 WILLY VAN RYSEL	GBR 2006	5:58.46	RITA SIMONTON	USA 2008	1:25.98	MICHELE GUILLAIS	FRA 2016
5:22.86 AIKO GOTO	JPN 2022	6:25.12	MAXINE MERLINO	USA 2003	1:26.21	FUMI MURATA	JPN 2018
5:23.16 NANCY KINNEY	USA 2019	6:56.70	JEWEL COOKE	USA 1999	1:27.92	EDITH HENDRY	USA 2006
5:24.31 MAURINE KORNFELD	USA 2014	7:00.01	KALIS RASMUSSEN	CAN 2015	100 M. BACK		
5:29.42 HIDEKO HANADA	JPN 2009	7:16.26	CHARLOTTE SANDDAL	USA 2012	2:42.13	KALLIS RASMUSSEN	CAN 2019
5:29.45 LIZ WALLIS	AUS 2018	7:40.70	YOSHIE HASEGAWA	JPN 2015	2:42.88	MAURINE KORNFELD	USA 2016
5:30.54 KIMIKO OOKA	JPN 2019	8:03.59	BARBARA M EISELE	USA 2022	2:47.83	LIZ WALLIS	AUS 2022
5:33.60 KALIS RASMUSSEN	CAN 2014	10:46.88	GERDA VOSS	CAN 2009	2:50.50	BETTY BRUSSEL	CAN 2019
50 M. BRST		400 M. I.M.			2:53.81	NORA KUTTI	EST 2017
1:02.33 OLGA KOKORINA	RUS 2013	10:29.18	JUDITH OLIVER	CAN 2022	2:55.44	MIEKO NAGAOKA	JPN 2009
1:08.36 JUDITH OLIVER	CAN 2022	13:55.37	NORA RONAI	BRA 2014	2:59.71	RITA SIMONTON	USA 2014
1:09.76 ETSUKO KIMURA	JPN 2019	14:55.37	JEWEL COOKE	USA 1999	3:06.14	KALIS RASMUSSEN	CAN 2022
1:11.00 INGEBORG FRITZE	GER 2011	*****			3:25.37	EDITH HENDRY	USA 2006
1:15.48 FUSAKO TOMINARI	JPN 2007	*****			3:25.96	MANUEL PINA	ESP 2020
1:16.42 NORA RONAI	BRA 2014	WOMEN 95-99			200 M. BACK		
1:17.85 JEAN TROY	USA 2017	*****			5:42.83	KALLIS RASMUSSEN	CAN 2019
1:18.38 KALIS RASMUSSEN	CAN 2015	50 M. FREE			5:50.15	MAURINE KORNFELD	USA 2017
1:18.76 BETTY BRUSSELS	CAN 2014	1:00.28	LIZ WALLIS	AUS 2022	6:24.50	MIEKO NAGAOKA	JPN 2009
1:19.53 MASAKO SHOJI	JPN 2019	1:04.68	MAURINE KORNFELD	USA 2016	6:40.72	LIZ WALLIS	AUS 2022
100 M. BRST		1:06.82	BETTY BRUSSEL	CAN 2019	7:36.62	EDITH HENDRY	USA 2006
2:25.58 OLGA KOKORINA	RUS 2013	1:07.27	NORA KUTTI	EST 2017	7:45.68	GUDRUN KLOOS	RSA 2021
2:26.86 JUDITH OLIVER	CAN 2022	1:13.87	SHIZUE SHIMIZU	JPN 2006	7:53.59	VALERIE LINCOLN	AUS 2019
2:35.96 ETSUKO KIMURA	JPN 2019	1:17.23	MARION BEULKE	AUS 2022	8:07.70	M.MAANDONKS	NED 2022
2:42.59 JANE ASHER	GBR 2022	1:20.91	KIKUE ISHII	JPN 2017	9:20.51	BERNARDA ANGULO	ESP 2008
2:46.46 INGEBORG FRITZE	GER 2011	1:21.48	LAURA OLIVEIRA	BRA 2014	9:37.39	ROSA SELLARES	ESP 2005
2:51.02 JEAN TROY	USA 2017	1:21.93	MIEKO NAGAOKA	JPN 2009	50 M. BRST		
3:00.44 KALIS RASMUSSEN	CAN 2015	1:23.34	SUGAKO KUWAYAMA	JPN 2019	1:32.51	KALLIS RASMUSSEN	CAN 2019
3:01.08 NAKA FUKUOKA	JPN 2014	100 M. FREE			1:35.66	BETTY BRUSSEL	CAN 2022
3:04.86 DOROTHY WESTON	GBR 2003	2:16.63	MAURINE KORNFELD	USA 2017	1:42.55	NAKA FUKUOKA	JPN 2018
3:05.60 MARIA LENK	BRA 2005	2:18.07	LIZ WALLIS	AUS 2022	1:50.07	LAURA OLIVEIRA	BRA 2014
200 M. BRST		2:25.65	BETTY BRUSSEL	CAN 2019	2:02.87	M.MAANDONKS	NED 2022
5:15.24 OLGA KOKORINA	RUS 2013	2:59.01	MIEKO NAGAOKA	JPN 2010	2:03.90	GUDRUN KLOOS	RSA 2021
5:42.43 ETSUKO KIMURA	JPN 2019	3:00.03	VALERIE LINCOLN	AUS 2019	2:05.63	CHARLOTTE SANDDAL	USA 2018
5:48.13 JANE ASHER	GBR 2022	3:06.38	MARION BEULKE	AUS 2022	2:25.20	MIEKO NAGAOKA	JPN 2010
6:31.21 INGEBORG FRITZE	GER 2011	3:10.36	MARIE KELLEHER	USA 2008	2:54.04	KATH JOHNSTONE	NZL 2014
6:37.73 MARIA LENK	BRA 2005	3:26.81	LAURA OLIVEIRA	BRA 2014	3:23.13	M. CUNNINGHAM	AUS 2020
6:39.70 ANN M HIRSCH	USA 2021	3:28.31	CHARLOTTE SANDDAL	USA 2018	100 M. BRST		
6:45.18 KALIS RASMUSSEN	CAN 2014	3:37.37	GUDRUN KLOOS	RSA 2021	3:42.93	NAKA FUKUOKA	JPN 2018
6:59.08 BETTY BRUSSEL	CAN 2016	200 M. FREE			3:52.50	BETTY BRUSSEL	CAN 2019
7:06.04 BARBARA BOHM	GER 2010	4:56.12	MAURINE KORNFELD	USA 2017	4:03.49	KALIS RASMUSSEN	CAN 2022
7:18.26 NAN BOHL	USA 2019	5:03.79	LIZ WALLIS	AUS 2022	4:28.42	CHARLOTTE SANDDAL	USA 2018
50 M. FLY		5:09.24	BETTY BRUSSEL	CAN 2019	4:43.59	M.MAANDONKS	NED 2021
1:02.60 JUDITH OLIVER	CAN 2022	5:25.74	RITA SIMONTON	USA 2013	200 M. BRST		
1:21.95 CHARLOTTE SANDDAL	USA 2012	6:17.47	MIEKO NAGAOKA	JPN 2009	7:22.30	KALLIS RASMUSSEN	CAN 2019
1:25.65 NORA RONAI	BRA 2014	6:18.94	VALERIE LINCOLN	AUS 2019	8:27.91	BETTY BRUSSEL	CAN 2019
1:25.90 EMIKO SEKINO	JPN 2019	6:50.52	MARIE KELLEHER	USA 2008	8:54.85	KALIS RASMUSSEN	CAN 2022
1:30.41 RITA SIMONTON	USA 2008	8:13.16	LAURA OLIVEIRA	BRA 2014	9:20.70	CHARLOTTE SANDDAL	USA 2018
1:34.61 DOROTHY WESTON	GBR 2003	8:26.16	M.MAANDONKS	NED 2022	9:48.17	M.MAANDONKS	NED 2021
1:35.56 MAXINE MERLINO	USA 2002	8:43.79	CHARLOTTE SANDDAL	USA 2019	50 M. FLY		
1:48.46 MARIE KELLEHER	USA 2006	400 M. FREE			2:12.78	MAURINE KORNFELD	USA 2017

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2:21.86 CHARLOTTE SANDDAL USA 2018	200 M. FREE	2:00.61 EGOR IOGIN RUS 2022
100 M. I.M.	1:44.90 DARIAN TOWNSEND USA 2013	2:00.80 VICTOR MIGEON FRA 2015
3:32.13 MAURINE KORNFELD USA 2016	1:46.52 RYAN J HELD USA 2021	50 M. BRST
3:40.57 KALLIS RASMUSSEN CAN 2019	1:46.52 ADAM RITTER USA 2013	26.72 L.CLIFFORD-STEPHE GBR 2018
3:54.89 MARIE KELLEHER USA 2008	1:48.74 MARWAN ELAMRAWY EGY 2021	26.99 LAWRENCE PALMER GBR 2017
4:11.22 CHARLOTTE SANDDAL USA 2018	1:48.81 JOHN KEPPELER USA 1995	27.02 SHOTARO SHIMAZAKI JPN 2022
4:53.90 KALIS RASMUSSEN CAN 2022	1:49.30 DREW MODROV USA 2018	27.14 KANAYA YUKI JPN 2021
200 M. I.M.	1:49.51 DAVID ALCOLADO ESP 2018	27.18 MARK CAMPBELL GBR 2017
9:32.59 CHARLOTTE SANDDAL USA 2018	1:49.59 MASATAKA MISHIMA JPN 2018	27.19 ANTON TISCHENKO RUS 2019
*****	1:49.94 ANDREW MANLEY GBR 2003	27.31 EETU KARVONEN USA 2013
*****	1:50.01 KOSUKE MAEDA JPN 2014	27.41 RYO KOBAYASHI JPN 2014
*****	400 M. FREE	27.43 T.YANAGISAWA JPN 2022
*****	*****	27.46 SHIOTUKI TOMOHIRO JPN 2018
*****	*****	100 M. BRST
*****	*****	58.14 SHOTARO SHIMAZAKI JPN 2021
*****	*****	58.96 KANAYA YUKI JPN 2018
*****	*****	59.21 EETU KARVONEN USA 2013
*****	*****	59.23 LAWRENCE PALMER GBR 2017
*****	*****	59.24 RYO KOBAYASHI JPN 2014
*****	*****	1:00.14 SHIOTUKI TOMOHIRO JPN 2018
*****	*****	1:00.28 EDUARDO FISCHER BRA 2005
*****	*****	1:00.43 KAKERU OHTANI JPN 2022
*****	*****	1:00.47 T.YANAGISAWA JPN 2022
*****	*****	1:00.56 KAZUKI KOHINATA JPN 2022
*****	*****	200 M. BRST
*****	*****	2:07.55 JOSH PRENOT USA 2018
*****	*****	2:08.28 KANAYA YUKI JPN 2018
*****	*****	2:10.58 DMITRIY GORBUNOV RUS 2019
*****	*****	2:10.68 RYO KOBAYASHI JPN 2013
*****	*****	2:11.81 SEAN MAHONEY USA 2014
*****	*****	2:11.90 LAWRENCE PALMER GBR 2017
*****	*****	2:12.88 AKAI SHIN JPN 2022
*****	*****	2:13.68 KAZUKI KOHINATA JPN 2022
*****	*****	2:14.44 CHRISTOPHER JONES GBR 2007
*****	*****	2:14.50 BRANDON MEIER USA 2017
*****	*****	50 M. FLY
*****	*****	23.15 RYAN J HELD USA 2021
*****	*****	23.33 RYO ISHII JPN 2017
*****	*****	23.34 ADAM BARRETT GBR 2021
*****	*****	23.53 RUNAR BORGEN USA 2018
*****	*****	23.53 DARIAN TOWNSEND USA 2013
*****	*****	23.60 YOSHIHIRO ASO JPN 2014
*****	*****	23.66 DAISUKE ABE JPN 2009
*****	*****	23.70 OLIVER WENZEL GER 2009
*****	*****	23.74 YASUHIRO WADA JPN 2018
*****	*****	23.78 MARCIN CIESLAK USA 2019
*****	*****	100 M. FLY
*****	*****	51.38 ADAM BARRETT GBR 2021
*****	*****	52.42 YASUHIRO WADA JPN 2018
*****	*****	52.45 KO FUKAYA JPN 2016
*****	*****	52.45 DARIAN TOWNSEND USA 2013
*****	*****	52.56 TONY COX USA 2016
*****	*****	52.59 MARCIN CIESLAK USA 2019
*****	*****	52.92 DANIEL BELINI BRA 2009
*****	*****	53.00 DAVID RUSSELL USA 2014
*****	*****	53.04 KIYOTAKA INOUE JPN 2013
*****	*****	53.17 TAKATSUGU OGA JPN 2014
*****	*****	200 M. FLY
*****	*****	1:53.72 WATARAI SHUN JPN 2021
*****	*****	1:55.36 KO FUKAYA JPN 2019
*****	*****	1:58.72 KOHEI FUKAZAWA JPN 2022
*****	*****	1:58.87 TAKATSUGU OGA JPN 2016
*****	*****	1:59.48 FREDERICO CASTRO BRA 2017
*****	*****	1:59.74 MARK LEWIS GBR 2008
*****	*****	1:59.80 MAKSIM GANIKHIN RUS 2012
*****	*****	1:59.92 SATOSHI TORATANI JPN 2008
*****	*****	1:59.95 EDUARD REDNIC GBR 2021
*****	*****	2:00.88 KIYOTAKA IDO JPN 2015
*****	*****	100 M. I.M.
*****	*****	52.78 RYAN J HELD USA 2021
*****	*****	53.47 DARIAN TOWNSEND USA 2013
*****	*****	53.53 ADAM RITTER USA 2014
*****	*****	54.71 RYOUTA MAEJIMA JPN 2022
*****	*****	54.80 RYO ISHII JPN 2015
*****	*****	54.84 ISAMU MIZOKUCHI JPN 2022

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



55.05	T.YANAGISAWA	JPN	2022	8:12.74	DREW A MODROV	USA	2021	1:01.19	ARTEM BABIKHIN	RUS	2021
55.13	MARTIN LIIVAMAGI	EST	2017	8:13.62	MATTEO MONTANARI	ITA	2019	200 M.	BRST		
55.13	YUTA SHOJI	JPN	2010	8:17.06	ALEX KOSTICH	USA	2000	2:11.17	DMITRIY GORBUNOV	RUS	2021
55.20	STEFAN HERBST	GER	2004	8:18.56	RAFAEL CABANILLAS	ESP	2017	2:11.44	BRANDON J FISCHER	USA	2022
200 M.	I.M.			8:19.13	SEBASTIAN WIESE	GER	2004	2:11.58	RYO KOBAYASHI	JPN	2019
1:58.91	KUWAYAMA KEN	JPN	2020	8:19.44	BRUCE HAYES	USA	1994	2:12.23	ARTEM BABIKHIN	RUS	2021
1:58.96	DMITRIY GORBUNOV	RUS	2019	8:22.07	ALBERT GALLARDO	ESP	2014	2:12.58	HIROYUKI KOSAKA	JPN	2010
1:59.70	K.GILCHRIST	FRA	2010	8:22.07	DAVID GENET	FRA	2013	2:12.92	KYOSUKE YONEHARA	JPN	2010
1:59.79	ADAM RITTER	USA	2013	8:22.10	FABIEN CZACHOR	FRA	2009	2:13.16	K.GILCHRIST	GBR	2013
2:00.56	STEFAN HERBST	GER	2006	8:25.60	L.GIOVANNINI	ITA	2018	2:13.60	KAZUYA KOIKE	JPN	2009
2:00.63	ISAMU MIZOKUCHI	JPN	2022	1500 M.	FREE			2:15.36	CHRISTOPHER JONES	GBR	2015
2:01.58	DEAN KENT	NZL	2005	15:30.92	CHAD TOURETTE	USA	2019	2:15.47	MIKE ALEXANDROV	USA	2018
2:01.78	RYOUTA MAEJIMA	JPN	2022	15:48.79	MATTEO MONTANARI	ITA	2020	50 M.	FLY		
2:02.48	RYOYA TAGUCHI	JPN	2011	15:51.07	ALEX KOSTICH	USA	2000	22.87	THOMAS RUPPRATH	GER	2009
2:02.90	VICTOR MIGEON	FRA	2015	15:53.48	RAFAEL CABANILLAS	ESP	2018	23.18	NIKITA KONOVALOV	RUS	2022
400 M.	I.M.			15:54.44	LUCA PUCE	ITA	2015	23.44	HENRIQUE MARTINS	BRA	2022
4:14.51	IKUMI HASEGAWA	JPN	2009	16:05.18	ERIC T NILSSON	USA	2021	23.59	YOSHIHIRO ASO	JPN	2019
4:20.94	DEAN KENT	NZL	2005	16:06.84	IGOR PIOVESAN	ITA	2008	23.65	MARCIN CIENLAK	POL	2022
4:26.08	JULIEN BAILLOD	SUI	2009	16:08.19	L.GIOVANNINI	ITA	2019	23.66	NIKOLAY SKVORTSOV	RUS	2017
4:26.79	JOHN KEPPELER	USA	1995	16:08.42	DAVID GENET	FRA	2014	23.96	TAKUYA HASEGAWA	JPN	2019
4:26.97	ALEX KOSTICH	USA	1997	16:09.53	JULIEN BAILLOD	SUI	2013	24.10	FERNANDO ALAEZ	ESP	2009
4:27.31	SOHEI WASHINO	JPN	2019	50 M.	BACK			24.11	GLAUBER SILVA	BRA	2019
4:28.12	GIORGIO PAOLETTI	ITA	2012	23.86	NELSON JUNIOR	BRA	2017	24.11	LEANDRO OKUDA	BRA	2009
4:28.38	RAYMOND VD MERWE	NED	2012	24.58	RODRIGO TRIVINO	BRA	2016	100 M.	FLY		
4:29.57	MORTEN AHME	GER	2016	24.68	SERGEY MAKOV	RUS	2019	52.40	KO FUKAYA	JPN	2022
4:30.04	YUYA KATAOKA	JPN	2018	24.73	CHARLES HOCKIN	PAR	2022	52.44	DARIAN TOWNSEND	USA	2016
*****				24.75	DARIAN TOWNSEND	USA	2016	52.63	STEFAN HERBST	GER	2011
M E N 30-34				24.77	NIKITA KONOVALOV	RUS	2022	52.67	GLAUBER SILVA	BRA	2016
*****				24.81	DERYA BUYUKUNCU	USA	2009	53.14	YOSHIHIRO ASO	JPN	2015
50 M.	FREE			24.83	JUNICHI MORITA	JPN	2021	53.65	SIMON BURNETT	USA	2017
21.53	FELIPE MESSIAS	BRA	2021	24.86	NAOYA HIRANO	JPN	2020	53.83	NAOYA HIRANO	JPN	2018
21.59	EVGENIY LAGUNOV	RUS	2015	24.92	KEVIN DOAK	USA	2012	53.84	UENO TATSUYA	JPN	2019
21.91	DARIAN TOWNSEND	USA	2016	100 M.	BACK			54.06	SEIJI TANIGUCHI	JPN	2018
21.98	NICHOLAS BRUNELLI	USA	2011	52.13	JUNICHI MORITA	JPN	2022	54.10	TAMAS KEREKJARTO	USA	2009
22.13	THOMAS RUPPRATH	GER	2009	52.68	DERYA BUYUKUNCU	USA	2009	200 M.	FLY		
22.17	RYO ISHII	JPN	2022	53.58	CHARLES HOCKIN	PAR	2022	1:53.56	NIKOLAY SKVORTSOV	RUS	2017
22.23	P.KORZENIOWSKI	POL	2018	53.88	TAKASHI TAKEMOTO	JPN	2021	1:57.41	DARIAN TOWNSEND	USA	2016
22.24	DAVID MAITRE	FRA	2011	54.49	D. BLACKBORROW	AUS	2016	1:59.23	JUNICHI MORITA	JPN	2022
22.25	ALEXANDER SMITH	GBR	2021	54.53	SERGEY MAKOV	RUS	2019	1:59.30	ITOU TATSUYA	JPN	2019
22.26	YOSHIHIRO ASO	JPN	2019	54.65	SIMON BURNETT	USA	2014	1:59.51	MARCELO TOMAZINI	BRA	2009
100 M.	FREE			54.87	T.TAKEUCHI	JPN	2017	2:00.21	HIROSHI MIURA	JPN	2000
47.29	EVGENIY LAGUNOV	RUS	2015	54.88	CARLOS SOLER	ESP	2021	2:00.50	TAMAS KEREKJARTO	USA	2009
48.08	DARIAN TOWNSEND	USA	2014	54.90	ENRICO CATALANO	ITA	2015	2:02.22	LOIC LEROY	FRA	2012
48.87	NIKITA KONOVALOV	RUS	2018	200 M.	BACK			2:02.63	DENNY FERRONI	ITA	2018
49.04	S.KUNZELMANN	GER	2008	1:53.66	JUNICHI MORITA	JPN	2022	2:02.73	MARCOS LAVADO	USA	2022
49.17	P.KORZENIOWSKI	POL	2018	1:55.46	DERYA BUYUKUNCU	USA	2009	100 M.	I.M.		
49.27	GREG MALLETT	USA	2014	1:56.68	STEFAN HERBST	GER	2008	53.28	DARIAN TOWNSEND	USA	2016
49.30	TAMAS KEREKJARTO	USA	2009	1:58.50	DMITRIY GORBUNOV	RUS	2022	54.41	P.KORZENIOWSKI	POL	2018
49.37	SIMON BURNETT	USA	2016	1:58.96	CHARLES HOCKIN	PAR	2022	54.61	ADAM RITTER	USA	2015
49.39	ADAM RITTER	USA	2018	2:00.08	HAYATE MATSUBARA	JPN	2022	54.86	YOSHIHIRO ASO	JPN	2019
49.50	RYO HIGUCHI	JPN	2018	2:00.17	MASAYA KANEKO	JPN	2018	55.00	STEFAN HERBST	GER	2008
200 M.	FREE			2:00.43	MARTIN ZUBERO	USA	2001	55.10	SIMON BURNETT	USA	2016
1:46.12	DARIAN TOWNSEND	USA	2014	2:01.89	ADRIANO NIZ	POR	2017	55.39	YUTA SHOJI	JPN	2015
1:46.52	STEFAN HERBST	GER	2011	2:02.15	EDUARDO SEVIERI	BRA	2015	55.77	NICHOLAS BRUNELLI	USA	2011
1:48.17	YURIY UFIMTSEV	RUS	2015	50 M.	BRST			55.80	NAOYA HIRANO	JPN	2018
1:48.40	JACOB CARSTENSEN	DEN	2008	26.72	FELIPE LIMA	BRA	2018	55.80	DAISUKE HOSOKAWA	JPN	2014
1:48.82	CHARLES HOCKIN	PAR	2022	26.77	JORGE ALONZO	ESP	2009	200 M.	I.M.		
1:49.00	CHRISTOPH HILMER	GER	2006	27.11	MARCELO TOMAZINI	BRA	2009	1:56.96	DARIAN TOWNSEND	USA	2016
1:49.32	DREW MODROV	USA	2019	27.13	KOHHEI TOMINAGA	JPN	2021	1:57.68	TAMAS KEREKJARTO	USA	2009
1:49.58	TAMAS KEREKJARTO	USA	2009	27.23	SERGEY GEYBEL	RUS	2015	1:58.13	STEFAN HERBST	GER	2008
1:50.00	GREG MALLETT	USA	2014	27.40	RYO KOBAYASHI	JPN	2019	1:59.60	NIKOLAY SKVORTSOV	RUS	2017
1:50.25	ADAM RITTER	USA	2015	27.60	BRANDON J FISCHER	USA	2022	2:00.11	JUNICHI MORITA	JPN	2022
400 M.	FREE			27.64	SHIOTUKI TOMOHIRO	JPN	2019	2:00.39	P.KORZENIOWSKI	POL	2018
3:51.97	YURIY UFIMTSEV	RUS	2014	27.73	CARLOS ALENCAR	BRA	2009	2:00.90	ITOU TATSUYA	JPN	2019
3:53.95	DREW MODROV	USA	2019	27.81	THOMAS RUPPRATH	GER	2009	2:02.09	SIMON BURNETT	USA	2017
3:57.47	TAMAS KEREKJARTO	USA	2009	100 M.	BRST			2:02.20	HIROYUKI KOSAKA	JPN	2010
3:57.64	KO FUKAYA	JPN	2021	59.10	KOHHEI TOMINAGA	JPN	2021	2:03.04	KEITH BEAVERS	CAN	2014
3:57.79	DENNY FERRONI	ITA	2019	59.11	RYO KOBAYASHI	JPN	2019	400 M.	I.M.		
3:58.40	ALEX KOSTICH	USA	2000	59.42	BRANDON J FISCHER	USA	2022	4:13.68	DARIAN TOWNSEND	USA	2015
3:59.56	MARCOS LAVADO	USA	2021	59.85	SERGEY GEYBEL	RUS	2015	4:19.69	TAMAS KEREKJARTO	USA	2009
3:59.83	BRUCE HAYES	USA	1994	1:00.79	SHIOTUKI TOMOHIRO	JPN	2019	4:22.35	ASUKA KOIZUMI	JPN	2009
3:59.99	STEVE BEI	FRA	2019	1:00.81	ED MOSES	USA	2011	4:25.00	KEITH BEAVERS	CAN	2014
4:00.26	SEBASTIAN WIESE	GER	2004	1:00.95	RYOSUKE IMAI	JPN	2011	4:25.05	JUNICHI MORITA	JPN	2021
800 M.	FREE			1:01.07	KYOSUKE YONEHARA	JPN	2010	4:26.74	ROQUE SANTOS	USA	1999
				1:01.15	K.GILCHRIST	GBR	2013	4:27.02	JOCHEN HANZ	GER	2008

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4:28.79	RYOYA TAGUCHI	JPN 2018	24.97	LEONARDO SUMIDA	BRA 2021	24.19	P.KORZENIOWSKI	POL 2022
4:28.83	K.GILCHRIST	GBR 2013	25.00	SERGEY MAKOV	RUS 2022	100 M. FLY		
4:29.07	ALEX KOSTICH	USA 2000	25.21	MATTHEW CLAY	GBR 2021	52.24	ADAM PINE	AUS 2011

M E N 35-39								

50 M. FREE			25.26	NAOYA HIRANO	JPN 2021	52.78	TAKUYA HASEGAWA	JPN 2020
21.53	MARK FOSTER	GBR 2007	25.30	RODRIGO TRIVINO	BRA 2019	54.25	TAKEFUMI KAKIZOE	JPN 2019
21.81	ROLAND SCHOEMAN	USA 2018	25.39	TOMOYA FUKUI	JPN 2022	54.27	IGOR MARCHENKO	USA 2011
22.03	STEFANO RAZETO	GER 2021	25.43	STEV THELOKE	GER 2015	54.37	MAKSIM GANIKHIN	RUS 2022
22.28	YOSHIHIRO ASO	JPN 2021	25.46	MANABU SASAKI	JPN 2022	54.56	EIJI NOMURA	JPN 2010
22.46	GUILHERME SANTOS	BRA 2018	25.48	SEIJI TANIGUCHI	JPN 2021	54.70	M.EROLI	ITA 2012
22.47	JOHN MIRANDA	SWE 2000	100 M. BACK			54.73	ADAM J RITTER	USA 2021
22.48	BENJAMIN HOCKIN	PAR 2022	54.60	TAKASHI TAKEMOTO	JPN 2022	54.99	GLENN COUNTS	USA 2014
22.48	RYK NEETHLING	RSA 2014	54.66	DARIAN R TOWNSEND	USA 2019	55.06	BENJAMIN HOCKIN	PAR 2022
22.49	P.KORZENIOWSKI	POL 2022	54.80	LEONARDO SUMIDA	BRA 2021	200 M. FLY		
22.62	ANDREY KURNOSOV	RUS 2021	55.15	MICHAEL P KLUEH	USA 2022	2:02.77	TAKEFUMI KAKIZOE	JPN 2018
100 M. FREE			55.19	MANABU SASAKI	JPN 2022	2:02.98	BRENT CREAGER	USA 2014
47.70	ROLAND SCHOEMAN	USA 2018	55.31	T.TAKEUCHI	JPN 2018	2:03.05	M.EROLI	ITA 2012
48.58	BENJAMIN HOCKIN	PRY 2021	55.32	YUUKI TAKEUCHI	JPN 2018	2:03.30	RYOYA TAGUCHI	JPN 2022
49.27	ADAM J RITTER	USA 2021	55.56	BENJAMIN HOCKIN	PAR 2022	2:03.31	EIJI NOMURA	JPN 2009
49.37	STEFANO RAZETO	GER 2021	55.57	MASAYA KANEKO	JPN 2022	2:03.76	FERNANDO ALAEZ	ESP 2011
49.53	JOHN MIRANDA	SWE 2000	55.89	ENRICO CATALANO	ITA 2018	2:04.06	ISAMU TSUZUKI	JPN 2012
49.61	GUILHERME SANTOS	BRA 2018	200 M. BACK			2:04.50	BOBBY PATTEN	USA 1999
49.67	MIKEL BILDOSOLA	ESP 2022	2:00.34	RON KARNAUGH	USA 2002	2:05.84	MIKE SHAFFER	USA 2000
49.68	TAKUYA HASEGAWA	JPN 2022	2:00.68	KEVIN T NEAD	USA 2022	2:06.12	LOIC LEROY	FRA 2015
50.43	JOSE JUNIOR	BRA 2018	2:01.18	MICHAEL P KLUEH	USA 2022	100 M. I.M.		
50.54	STEPHANE MEYER	FRA 2009	2:01.55	STEFAN HERBST	GER 2013	54.86	P.KORZENIOWSKI	POL 2022
200 M. FREE			2:01.74	MASAYA KANEKO	JPN 2022	54.90	BENJAMIN HOCKIN	PRY 2021
1:48.36	BENJAMIN HOCKIN	PRY 2021	2:03.20	DEREK GUFFEY	USA 2009	54.91	DARIAN R TOWNSEND	USA 2019
1:51.31	ERIK HOCHSTEIN	USA 2003	2:03.47	RYOYA TAGUCHI	JPN 2021	55.16	ADAM J RITTER	USA 2021
1:51.47	JOCHEN BRUHA	GER 2004	2:03.75	MAURIZIO TERSAR	ITA 2015	55.40	YOSHIHIRO ASO	JPN 2021
1:51.54	RYOYA TAGUCHI	JPN 2021	2:03.85	MARCO MACCIANTI	ITA 2017	56.07	MARK BAARS	NED 2020
1:51.54	MICHAEL ROSS	USA 2004	2:04.10	YOUHEI SHIMIZU	JPN 2022	56.29	YUTA SHOJI	JPN 2019
1:52.22	ADAM J RITTER	USA 2021	50 M. BRST			56.31	TAKEFUMI KAKIZOE	JPN 2018
1:52.90	RON KARNAUGH	USA 2002	26.66	ROLAND SCHOEMAN	USA 2018	56.36	GLENN COUNTS	USA 2012
1:53.37	TYLER BLESSING	USA 2009	27.32	SERGEY GEYBEL	RUS 2016	56.37	C.SORRENTINO	ITA 2010
1:53.39	GUY-NOEL SCHMITT	FRA 2018	27.79	JEFF COMMINGS	USA 2009	200 M. I.M.		
1:53.41	MIKEL BILDOSOLA	ESP 2021	27.88	RYO KOBAYASHI	JPN 2022	1:59.85	DARIAN R TOWNSEND	USA 2019
400 M. FREE			27.93	MARK BAARS	NED 2020	2:03.04	RYOYA TAGUCHI	JPN 2021
3:57.77	ERIK HOCHSTEIN	USA 2003	28.26	BENJAMIN HOCKIN	PAR 2022	2:03.29	RON KARNAUGH	USA 2002
3:58.46	NICOLA NISATO	ITA 2017	28.30	STEVE WEST	USA 2009	2:04.89	DEREK GUFFEY	USA 2009
3:58.50	F.SILVESTRI	ITA 2002	28.39	RYOSUKE IMAI	JPN 2016	2:05.03	TAKEFUMI KAKIZOE	JPN 2018
3:59.71	JACOB CARSTENSEN	DEN 2013	28.43	NAOYA HIRANO	JPN 2021	2:05.28	M.EROLI	ITA 2013
3:59.98	L.GIOVANNINI	ITA 2022	28.55	ADAM J RITTER	USA 2021	2:05.79	TAMAS KEREKJARTO	USA 2018
4:00.33	GUY-NOEL SCHMITT	FRA 2018	28.55	ALISTAIR CRAWFORD	GBR 2019	2:06.39	HIROYUKI KOSAKA	JPN 2011
4:00.42	YURI GOTTI	ITA 2017	100 M. BRST			2:06.85	KEVIN T NEAD	USA 2022
4:00.63	RYOYA TAGUCHI	JPN 2021	1:00.21	ADAM J RITTER	USA 2021	2:06.88	BEN HARKIN	GBR 2014
4:01.78	RON KARNAUGH	USA 2003	1:00.49	RYO KOBAYASHI	JPN 2022	400 M. I.M.		
4:02.35	SEBASTIAN WIESE	GER 2007	1:00.61	SERGEY GEYBEL	RUS 2016	4:19.79	DARIAN R TOWNSEND	USA 2019
800 M. FREE			1:01.18	RYOSUKE IMAI	JPN 2013	4:24.36	RON KARNAUGH	USA 2003
8:13.92	ROGER RABASSA	ESP 2018	1:01.47	JEFF COMMINGS	USA 2009	4:26.11	RYOYA TAGUCHI	JPN 2021
8:16.19	ALEX KOSTICH	USA 2009	1:01.63	STEVE WEST	USA 2009	4:30.09	CLAUS IVERSEN	DEN 2015
8:19.97	L.GIOVANNINI	ITA 2022	1:02.11	MARK BAARS	NED 2020	4:30.77	JULIEN BAILLOD	SUI 2016
8:20.40	NICOLA NISATO	ITA 2016	1:02.45	TAKAHIRO NETSU	JPN 2022	4:30.81	DEREK GUFFEY	USA 2009
8:21.92	YURI GOTTI	ITA 2017	1:02.57	RON KARNAUGH	USA 2002	4:31.72	L.GIOVANNINI	ITA 2022
8:23.06	ERIK HOCHSTEIN	USA 2003	1:02.62	NICK GILLINGHAM	GBR 2004	4:32.97	UWE VOLK	GER 2009
8:25.33	GUY-NOEL SCHMITT	FRA 2019	200 M. BRST			4:33.58	EDUARDO SEVIERI	BRA 2021
8:26.43	MIKE SHAFFER	USA 2000	2:15.42	KAZUYA KOIKE	JPN 2014	4:33.88	TAKEFUMI KAKIZOE	JPN 2018
8:27.96	IGOR PIOVESAN	ITA 2009	2:15.64	STEVE WEST	USA 2011	*****		
8:28.19	RAFAEL CARANILLAS	ESP 2022	2:16.49	NICK GILLINGHAM	GBR 2004	M E N 40-44		
1500 M. FREE			2:16.72	STEPHAN PERROT	FRA 2015	*****		
15:56.57	ALEX KOSTICH	USA 2009	2:16.78	SERGEY GOGOL	RUS 2017	50 M. FREE		
15:58.20	BOBBY PATTEN	USA 1999	2:16.81	CHRISTOPHER JONES	GBR 2017	22.23	ANDREJS DUDA	LAT 2022
16:02.32	GUY-NOEL SCHMITT	FRA 2019	2:16.82	MARK BAARS	NED 2020	22.67	ANDREI KURNOSOV	RUS 2022
16:03.47	MIKE SHAFFER	USA 2000	2:17.47	BLAKE HOLDEN	USA 2014	22.75	HIDEAKI HARA	JPN 2016
16:05.94	RICHARD STANNARD	GBR 2009	2:17.95	CHRIS JONES	GBR 2020	23.05	O.PLANES OSORIO	ESP 2016
16:07.85	FRED CLATWORTHY	GBR 2009	2:17.96	RON KARNAUGH	USA 2002	23.06	M.GIALDI	ITA 2010
16:11.68	IGOR PIOVESAN	ITA 2009	50 M. FLY			23.13	BRIAN JACOBSON	USA 2013
16:11.89	RAFAEL CARANILLAS	ESP 2022	22.97	LIONEL BRAHIM	FRA 2010	23.18	VLADIMIR PREDKIN	RUS 2013
16:12.88	ERIK HOCHSTEIN	USA 2003	23.12	ROLAND SCHOEMAN	USA 2018	23.21	S.KUNZELMANN	GER 2018
16:14.30	L.GIOVANNINI	ITA 2022	23.63	STEFANO RAZETO	GER 2021	23.25	ERIK HOCHSTEIN	USA 2008
50 M. BACK			23.64	ADAM PINE	AUS 2011	23.31	PAUL CLEMENCE	GBR 2014
24.48	STEFANO RAZETO	GER 2021	23.69	TAKUYA HASEGAWA	JPN 2020	100 M. FREE		
			23.72	LARS FROLANDER	SWE 2011	49.40	ANDREJS DUDA	LAT 2022
			23.77	YOSHIHIRO ASO	JPN 2021	49.64	HIDEAKI HARA	JPN 2017
			23.95	BENJAMIN HOCKIN	PRY 2021	50.43	MICHAEL ROSS	USA 2008
			24.03	EIJI NOMURA	JPN 2010			

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



50.45	ERIK HOCHSTEIN	USA	2009	2:04.29	MAURIZIO TERSAR	ITA	2016	100 M. I.M.	
50.58	LARS FROLANDER	SWE	2015	2:04.51	M.WAKABAYASHI	JPN	2021	56.91	TAKASHI NICHIIYAMA JPN 2019
50.90	O.PLANES OSORIO	ESP	2016	2:04.96	CHRIS STEVENSON	USA	2008	56.98	TAKEFUMI KAKIZOE JPN 2022
50.92	RODRIGO CASTRO	BRA	2021	2:05.95	SHINYA HAYASHI	JPN	2021	57.07	HIDEAKI HARA JPN 2016
51.16	ANDREI KURNOSOV	RUS	2022	2:06.66	MARK VOGEL	DEN	2010	57.19	JEFF COMMINGS USA 2014
51.27	S.KUNZELMANN	GER	2018	2:06.77	ANTONINO TRIPPODO	ITA	2016	57.34	BEN HARKIN GBR 2018
51.53	MARKUS A ROGAN	USA	2022	2:06.78	TAKAYUKI MIYASAKA	JPN	2015	57.39	ALBERTO MONTINI ITA 2010
200 M. FREE				2:07.16	NICOLAS GRANGER	FRA	2010	57.71	MICHAEL ROSS USA 2008
1:50.08	MICHAEL ROSS	USA	2008	2:07.31	HONZA VITAZKA	SWE	2016	58.26	PETR GREGOR CZE 2015
1:51.50	RODRIGO CASTRO	BRA	2021	50 M. BRST				58.30	ISAMU TSUZUKI JPN 2013
1:51.91	CLAUS IVERSEN	DEN	2017	28.06	RYOSUKE IMAI	JPN	2019	58.50	MARTIN SNAPE GBR 2019
1:51.95	ERIK HOCHSTEIN	USA	2009	28.21	JEFF COMMINGS	USA	2018	200 M. I.M.	
1:53.03	KAI DITZEL	GER	2004	28.51	GEOFF WELLS	USA	2022	2:03.45	MARKUS A ROGAN USA 2022
1:54.62	ALBERTO MONTINI	ITA	2010	28.52	STEVE WEST	USA	2014	2:05.46	ROQUE SANTOS USA 2009
1:54.92	SAMUELE PAMPANA	ITA	2017	28.68	ANDREI KURNOSOV	RUS	2022	2:06.19	TAKEFUMI KAKIZOE JPN 2022
1:55.00	TAKAHIRO MORI	JPN	2020	28.68	C.VANDERKAAAY	USA	2022	2:06.71	JEFF COMMINGS USA 2016
1:55.11	F.SILVESTRI	ITA	2003	28.69	FELIPE SANTOS	BRA	2021	2:06.97	NICOLAS GRANGER FRA 2010
1:55.42	PATRICK BRUNDAGE	USA	2009	28.76	ALBERTO MONTINI	ITA	2010	2:07.20	HIROYUKI KOSAKA JPN 2017
400 M. FREE				28.86	THOMAS NARNHOFER	AUT	2017	2:07.53	ASUKA KOIZUMI JPN 2019
3:59.68	SAMUELE PAMPANA	ITA	2017	28.89	YOZO FUJII	JPN	2009	2:07.71	ERIK HOCHSTEIN USA 2008
4:00.67	KAI DITZEL	GER	2004	100 M. BRST				2:07.88	UWE VOLK GER 2010
4:00.80	ALBERTO MONTINI	ITA	2009	1:01.42	STEVE WEST	USA	2014	2:07.96	PETER BERMEL GER 2007
4:00.98	RODRIGO CASTRO	BRA	2021	1:01.75	JEFF COMMINGS	USA	2018	400 M. I.M.	
4:01.32	ERIK HOCHSTEIN	USA	2009	1:02.06	GEOFF WELLS	USA	2022	4:30.68	ERIC CHRISTENSEN USA 2014
4:02.00	JACOB CARSTENSEN	DEN	2018	1:02.38	RYOSUKE IMAI	JPN	2019	4:31.92	UWE VOLK GER 2011
4:02.23	CLAUS IVERSEN	DEN	2017	1:02.42	ALBERTO MONTINI	ITA	2009	4:31.96	ASUKA KOIZUMI JPN 2019
4:03.27	NICOLA NISATO	ITA	2018	1:02.75	CHRISTOPHER JONES	GBR	2022	4:32.05	ROQUE SANTOS USA 2008
4:04.16	GUSTAVO HELENO	BRA	2016	1:02.86	BEN HARKIN	GBR	2018	4:33.90	ALBERTO MONTINI ITA 2009
4:04.20	ERIC CHRISTENSEN	USA	2014	1:02.94	HIROSHI TENMA	JPN	2022	4:34.67	JACOB CARSTENSEN DEN 2018
800 M. FREE				1:03.08	VLADISLAV BRAGIN	RUS	2011	4:35.15	ERIK HOCHSTEIN USA 2008
8:15.69	SAMUELE PAMPANA	ITA	2017	1:03.11	VAL BAGRI	USA	2015	4:35.52	HONZA VITAZKA SWE 2016
8:21.50	NICOLA NISATO	ITA	2018	200 M. BRST				4:35.57	NICOLAS GRANGER FRA 2007
8:21.78	ALEX KOSTICH	USA	2011	2:13.72	STEVE WEST	USA	2014	4:35.94	TAKEFUMI KAKIZOE JPN 2022
8:24.88	R SEAN JUSTICE	USA	2016	2:15.58	HIROSHI TENMA	JPN	2022	*****	
8:25.08	ERIK HOCHSTEIN	USA	2009	2:15.95	ALBERTO MONTINI	ITA	2009	M E N 45-49	
8:27.03	ERIC CHRISTENSEN	USA	2014	2:16.03	ROQUE SANTOS	USA	2009	*****	
8:27.25	JACOB CARSTENSEN	DEN	2019	2:16.70	CHRISTOPHER JONES	GBR	2022	50 M. FREE	
8:28.16	ALEJANDRO MORENO	MEX	2009	2:17.50	STEPHAN PERROT	FRA	2017	22.85	HIDEAKI HARA JPN 2019
8:28.23	DANIEL SERRA	ESP	2009	2:19.31	BEN HARKIN	GBR	2018	23.29	JOAKIM HOLMQUIST SWE 2016
8:28.93	GUSTAVO HELENO	BRA	2016	2:19.91	RYOSUKE IMAI	JPN	2019	23.54	RAVIL NAGAEV RUS 2019
1500 M. FREE				2:20.19	HAJIME MORIMOTO	JPN	2010	23.54	ISAMU TSUZUKI JPN 2018
15:51.60	SAMUELE PAMPANA	ITA	2016	2:20.51	BLAKE A HOLDEN	USA	2019	23.54	VLADIMIR PREDKIN RUS 2014
16:02.94	NICOLA NISATO	ITA	2019	50 M. FLY				23.58	SIPHIWE BALEKA USA 2016
16:07.46	DANIEL SERRA	ESP	2009	23.80	ANDREJS DUDA	LAT	2022	23.65	MATTHEW BIONDI USA 2012
16:09.32	MIKE SHAFFER	USA	2009	24.14	LARS FROLANDER	SWE	2014	23.69	M.GIALDI ITA 2014
16:19.00	ERIC CHRISTENSEN	USA	2014	24.33	TAKASHI NISHIIYAMA	JPN	2019	23.70	PAUL CLEMENCE GBR 2016
16:19.16	R SEAN JUSTICE	USA	2016	24.72	EIJI NOMURA	JPN	2013	23.80	FRITZ BEDFORD USA 2009
16:22.21	DINO SCHORN	ITA	2009	24.78	ANDREI KURNOSOV	RUS	2022	100 M. FREE	
16:23.60	IGOR PIOVESAN	ITA	2014	24.91	MICHAEL ROSS	USA	2008	49.99	HIDEAKI HARA JPN 2019
16:23.95	F.SILVESTRI	ITA	2003	24.97	MARCIN KACZMAREK	POL	2020	51.30	NICOLAS GRANGER FRA 2012
16:32.10	ASUKA KOIZUMI	JPN	2019	24.99	MASATERU IKEDA	JPN	2012	52.22	ISAMU TSUZUKI JPN 2019
50 M. BACK				25.03	MARIO L MARSHALL	USA	2022	52.53	MARK THOMPSON AUS 2015
25.48	M.WAKABAYASHI	JPN	2021	25.03	ISAMU TSUZUKI	JPN	2015	52.54	PAUL SMITH USA 2007
25.53	MICHAEL ROSS	USA	2009	100 M. FLY				52.55	VLADIMIR PREDKIN RUS 2014
25.78	MARCIN KACZMAREK	POL	2018	53.81	LARS FROLANDER	SWE	2014	52.65	SIPHIWE BALEKA USA 2016
25.94	EDILSON JUNIOR	BRA	2012	54.46	ANDREJS DUDA	LAT	2022	52.80	MIKE VAN THIELEN USA 2018
26.04	PABLO ABAL	ARG	2019	54.98	EIJI NOMURA	JPN	2014	52.81	PAUL CLEMENCE GBR 2016
26.17	ALEXANDR SHILIN	RUS	2017	55.72	TAKEFUMI KAKIZOE	JPN	2022	52.90	MARK REYNOLDS GBR 2009
26.22	DANIEL LOTANO	USA	2022	55.82	MICHAEL ROSS	USA	2008	200 M. FREE	
26.33	DANIEL LONNBERG	SWE	2015	55.97	ISAMU TSUZUKI	JPN	2013	1:52.87	NICOLAS GRANGER FRA 2012
26.44	KENICHI KANEKO	JPN	2022	56.18	WILLIAM SPECHT	USA	1998	1:53.35	HIDEAKI HARA JPN 2022
26.45	T.MINAMIZATO	JPN	2019	56.31	MASATERU IKEDA	JPN	2016	1:54.73	KAI DITZEL GER 2008
100 M. BACK				56.36	M.EROLI	ITA	2018	1:55.72	CLAUS IVERSEN DEN 2022
54.85	MICHAEL ROSS	USA	2008	56.48	FERNANDO ALAEZ	ESP	2017	1:55.88	FABIO CALMASINI ITA 2013
55.90	CHRIS STEVENSON	USA	2008	200 M. FLY				1:55.91	MARK THOMPSON AUS 2015
56.89	TAKUMA YAMAOKA	JPN	2018	2:02.97	WILLIAM SPECHT	USA	1998	1:56.00	PAUL SMITH USA 2007
57.18	MAURIZIO TERSAR	ITA	2017	2:04.42	FERNANDO ALAEZ	ESP	2016	1:56.26	MARCUS MATTIOLI BRA 2009
57.36	DANIEL LONNBERG	SWE	2015	2:04.42	EIJI NOMURA	JPN	2012	1:56.62	ISAMU TSUZUKI JPN 2018
57.41	SHINYA HAYASHI	JPN	2019	2:05.72	TOSHIYUKI IBE	JPN	2010	1:56.62	KEITH SWITZER USA 2009
57.53	STEFAN HERBST	GER	2022	2:05.96	ISAMU TSUZUKI	JPN	2014	400 M. FREE	
57.53	TAKEFUMI KAKIZOE	JPN	2022	2:06.06	UWE VOLK	GER	2010	4:03.10	FABIO CALMASINI ITA 2015
57.64	JEFF COMMINGS	USA	2018	2:06.16	M.EROLI	ITA	2017	4:03.81	NICOLAS GRANGER FRA 2015
57.66	ERIC ERICSON	USA	2002	2:06.48	DENNIS BAKER	USA	2005	4:05.90	KAI DITZEL GER 2008
200 M. BACK				2:06.68	DAVID WARREN	GBR	2014	4:08.87	MARK THOMPSON AUS 2015
2:03.84	MICHAEL ROSS	USA	2008	2:07.03	MIKE SHAFFER	USA	2008		

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4:08.93	MARCUS MATTIOLI	BRA	2005	1:03.23	NICOLAS GRANGER	FRA	2015	4:31.36	NICOLAS GRANGER	FRA	2012
4:09.19	KEITH SWITZER	USA	2009	1:04.39	TODD TORRES	USA	2013	4:39.19	ALBERTO MONTINI	ITA	2013
4:09.99	IGOR PIOVESAN	ITA	2019	1:04.41	VLADISLAV BRAGIN	RUS	2016	4:42.15	TAIHEI SAKA	JPN	2009
4:11.02	MARCO COLOMBO	ITA	2007	1:04.62	RICO ROLLI	ITA	2011	4:43.36	GREG STREPPPEL	CAN	2015
4:11.35	GREG STREPPPEL	CAN	2015	1:04.63	HIDEAKI TOGO	JPN	2021	4:43.58	FABIO CALMASINI	ITA	2013
4:12.32	KEISUKE KUGA	JPN	2022	1:04.69	CHRIS WEISSMAN	USA	2009	4:43.64	JEROME FRENTSOS	USA	2010
800 M. FREE				1:04.76	HAJIME MORIMOTO	JPN	2014	4:44.04	DANIEL COTTON	GBR	2019
8:28.53	FABIO CALMASINI	ITA	2016	1:04.80	YOZO FUJII	JPN	2013	4:44.28	MARCUS MATTIOLI	BRA	2009
8:35.48	MARK THOMPSON	AUS	2015	200 M. BRST				4:44.70	KEVIN J DOHERTY	USA	2019
8:38.56	GREG STREPPPEL	CAN	2015	2:15.45	STEVE WEST	USA	2018	4:44.82	F.ALAEZ FARRERES	ESP	2022
8:39.84	MICHAEL PRUFERT	GER	2009	2:18.91	NICOLAS GRANGER	FRA	2015	*****			
8:41.15	GLAUCO RANGEL	BRA	2021	2:20.41	ALBERTO MONTINI	ITA	2013	M E N 50-54			
8:41.60	RICARDO VALDIVIA	USA	2013	2:21.39	KURT GROTE	USA	2019	*****			
8:41.87	IGOR PIOVESAN	ITA	2019	2:21.56	BYRON SHEFCHIK	USA	2019	50 M. FREE			
8:42.76	KAI DITZEL	GER	2008	2:21.92	HAJIME MORIMOTO	JPN	2013	23.36	CHRIS FYDLER	AUS	2022
8:42.85	KEITH SWITZER	USA	2010	2:22.43	CALEB LANGELAAN	AUS	2022	23.38	ROWDY GAINES	USA	2009
8:43.10	DINO SCHORN	ITA	2015	2:22.68	GLENN MILLS	USA	2008	23.66	EIJI NOMURA	JPN	2022
1500 M. FREE				2:23.30	VLADISLAV BRAGIN	RUS	2016	23.80	JOAKIM HOLMQUIST	SWE	2019
16:13.34	FABIO CALMASINI	ITA	2015	2:23.74	DAVID GUTHRIE	USA	2009	23.95	PAUL CLEMENCE	GBR	2022
16:28.63	MICHAEL KLEIBER	GER	2008	50 M. FLY				23.96	BRENT BARNES	JPN	2010
16:37.25	KEITH SWITZER	USA	2011	24.38	EIJI NOMURA	JPN	2017	23.97	FRANK GRUNER	GER	2022
16:38.92	NICOLAS GRANGER	FRA	2015	24.93	MASATERU IKEDA	JPN	2017	24.02	NICOLAS GRANGER	FRA	2017
16:39.68	IGOR PIOVESAN	ITA	2019	25.08	FREDERIC TONUS	BEL	2019	24.07	VLADIMIR PREDKIN	RUS	2019
16:43.02	MARCUS MATTIOLI	BRA	2006	25.15	MARCIN KACZMAREK	POL	2022	24.14	M.GIALDI	ITA	2018
16:51.21	JIM MCCONICA	USA	1999	25.35	MARC ALLAN	RSA	2022	100 M. FREE			
16:52.13	B.BORDONALI	ITA	2007	25.40	RAVIL NAGAEV	RUS	2019	51.49	NICOLAS GRANGER	FRA	2017
16:52.24	MIKE SHAFFER	USA	2010	25.41	ISAMU TSUZUKI	JPN	2020	51.61	ROWDY GAINES	USA	2009
16:54.69	GERRY RODRIGUES	USA	2008	25.43	FERNANDO FARRERES	ESP	2021	53.09	FRANK GRUNER	GER	2021
50 M. BACK				25.44	CHUCK BARNES	USA	2022	53.84	EIJI NOMURA	JPN	2022
25.73	MARCIN KACZMAREK	POL	2022	25.54	MIKHAIL GROMOV	RUS	2018	53.87	BOB BUGG	USA	2009
26.23	ALEKSANDR SHILIN	RUS	2021	100 M. FLY				53.92	STEVE HILTABIDDLE	USA	2018
26.44	LUIS LAERA	ARG	2018	39.99	JAN HOFEREK	CZE	2022	53.99	PAUL CLEMENCE	GBR	2021
26.60	DANIEL LONNBERG	SWE	2017	55.07	EIJI NOMURA	JPN	2018	54.09	HASSE NILSSON	SWE	2019
26.62	YOSHITAKA MARUI	JPN	2022	55.57	ISAMU TSUZUKI	JPN	2020	54.29	BRENT BARNES	JPN	2009
26.62	EDILSON JUNIOR	BRA	2015	56.01	HIDEAKI HARA	JPN	2020	54.40	RICHARD KAMMERER	USA	2009
26.67	MIKHAIL GROMOV	RUS	2022	56.37	NICOLAS GRANGER	FRA	2016	200 M. FREE			
27.01	IVAN SOSTARIC	AUT	2019	56.60	MASATERU IKEDA	JPN	2017	1:53.78	NICOLAS GRANGER	FRA	2017
27.02	CHRIS STEVENSON	USA	2009	56.65	TOMOHIRO NAKANO	JPN	2019	1:54.61	ROWDY GAINES	USA	2011
27.03	MICHAEL ROSS	USA	2014	56.78	DEKE BOTSFORD	CAN	2012	1:56.75	BOB BUGG	USA	2009
100 M. BACK				57.00	CHUCK BARNES	USA	2022	1:57.37	DAVID SIMS	USA	2014
57.00	CHRIS STEVENSON	USA	2009	57.15	FERNANDO FARRERES	ESP	2021	1:57.76	FRANK GRUNER	GER	2022
57.52	LUIS LAERA	ARG	2018	200 M. FLY				1:58.37	JIM MCCONICA	USA	2000
57.76	MARCIN KACZMAREK	POL	2022	2:05.00	EIJI NOMURA	JPN	2020	1:59.46	JARL INGE MELBERG	NOR	2020
57.96	DANIEL LONNBERG	SWE	2017	2:06.40	DENNIS BAKER	USA	2006	1:59.54	DINO SCHORN	ITA	2019
58.20	HIROYOSHI MAETOGE	JPN	2010	2:07.50	FERNANDO FARRERES	ESP	2021	1:59.97	MARK THOMPSON	AUS	2019
58.33	JEFF P COMMINGS	USA	2019	2:08.17	NICOLAS GRANGER	FRA	2016	2:00.19	FABIO CALMASINI	ITA	2018
58.45	NICOLAS GRANGER	FRA	2013	2:09.06	WILLIAM SPECHT	USA	2003	400 M. FREE			
58.48	J CLAY BRITT	USA	2006	2:09.58	MARCUS MATTIOLI	BRA	2006	4:04.48	NICOLAS GRANGER	FRA	2017
58.49	ALEKSANDR SHILIN	RUS	2021	2:09.65	CHRIS STEVENSON	USA	2009	4:07.99	JIM MCCONICA	USA	2000
58.72	IVAN SOSTARIC	AUT	2019	2:09.80	CLAUS IVERSEN	DEN	2022	4:12.12	BOB BUGG	USA	2009
200 M. BACK				2:09.92	ALBERTO MONTINI	ITA	2013	4:12.33	FABIO CALMASINI	ITA	2018
2:05.54	CHRIS STEVENSON	USA	2009	2:09.98	TOSHIYUKI IBE	JPN	2015	4:13.01	MARCUS MATTIOLI	BRA	2011
2:06.66	NICOLAS GRANGER	FRA	2012	100 M. I.M.				4:14.12	FRANK GRUNER	GER	2022
2:09.99	ATASAY SERKAN	TUR	2017	57.68	NICOLAS GRANGER	FRA	2012	4:14.65	GREG STREPPPEL	CAN	2019
2:10.20	CLAUS IVERSEN	DEN	2022	57.83	ISAMU TSUZUKI	JPN	2018	4:16.37	BARTON WELLS	USA	2017
2:10.28	Y.NAKAHARA	JPN	2015	57.97	HIDEAKI HARA	JPN	2022	4:17.25	ANDREW BRAY	USA	2011
2:10.43	JAY YARID	USA	2008	58.18	JEFF COMMINGS	USA	2021	4:17.83	LUCA DI IACOVO	ITA	2017
2:10.73	MAURIZIO TERSAR	ITA	2022	59.38	TREVER O GRAY	USA	2021	800 M. FREE			
2:10.84	JEFF WELECHUK	CAN	2016	59.56	MARCELLO TONELLI	ESP	2020	8:36.30	FABIO CALMASINI	ITA	2018
2:10.85	DANIEL COTTON	GBR	2019	59.71	VLADIMIR PREDKIN	RUS	2014	8:44.00	DINO SCHORN	ITA	2018
2:11.22	TAIHEI SAKA	JPN	2009	59.72	ALEKSANDR SHILIN	RUS	2022	8:44.51	JIM MCCONICA	USA	2000
50 M. BRST				59.98	FRANK GRUNER	GER	2019	8:46.78	BRENT FOSTER	NZL	2018
28.65	JEFF P COMMINGS	USA	2019	1:00.07	HARALD MAISCH	GER	2016	8:49.96	ANDREW BRAY	USA	2011
28.83	HIDEAKI TOGO	JPN	2018	200 M. I.M.				8:53.48	MARK DRENNEN	USA	2006
28.87	RICO ROLLI	ITA	2010	2:04.64	NICOLAS GRANGER	FRA	2012	8:54.48	GREG STREPPPEL	CAN	2019
28.88	TODD TORRES	USA	2013	2:09.71	JEROME FRENTSOS	USA	2010	8:54.56	BARTON WELLS	USA	2017
28.94	STEVE WEST	USA	2018	2:10.47	KURT GROTE	USA	2019	8:54.83	JASCHA HASSON	FRA	2022
29.11	NICOLAS GRANGER	FRA	2015	2:10.49	TAIHEI SAKA	JPN	2009	8:54.84	NICOLAS GRANGER	FRA	2017
29.18	YOZO FUJII	JPN	2014	2:10.57	JEFF COMMINGS	USA	2022	1500 M. FREE			
29.21	ATASAY SERKAN	TUR	2017	2:11.23	CLAUS IVERSEN	DEN	2022	16:23.40	FABIO CALMASINI	ITA	2020
29.22	JOAKIM HOLMQUIST	SWE	2016	2:11.25	FERNANDO FARRERES	ESP	2021	16:33.02	JIM MCCONICA	USA	2000
29.44	STEFAN SCHERLING	SWE	2018	2:11.28	ANDERS RASMUSSEN	USA	2009	16:52.78	ANDREW BRAY	USA	2011
100 M. BRST				2:11.43	BYRON SHEFCHIK	USA	2019	16:53.04	JEFF ERWIN	USA	2016
1:02.22	STEVE WEST	USA	2018	2:11.84	ALBERTO MONTINI	ITA	2013	16:57.60	MICHAEL KLEIBER	GER	2013
1:02.70	JEFF P COMMINGS	USA	2019	400 M. I.M.							

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16:58.99	BRENT FOSTER	NZL	2017	25.74	STEVE HILTABIDDLE	USA	2018	25.00	RICH ABRAHAMS	USA	2001
17:03.45	MARCUS MATTIOLI	BRA	2011	25.94	NICOLAS GRANGER	FRA	2018	25.05	BRYAN TATTERSON	RSA	2019
17:07.36	GREG STREPPPEL	CAN	2019	26.00	SCOTT HEBER	USA	2016	100 M.	FREE		
17:11.44	BARTON WELLS	USA	2017	26.04	FRITZ BEDFORD	USA	2014	54.32	CALVIN MAUGHAN	SWE	2019
17:13.75	MIKE SHAFFER	USA	2016	26.10	PETER S MOORE	USA	2022	54.50	JACK GROSELLE	USA	2009
50 M.	BACK			26.12	PAUL CARTER	USA	2007	54.86	NAKKAS AHMET	TUR	2017
25.30	ROBERTO ESTESO	ESP	2019	26.15	KAZUHIKO YAMAKAWA	JPN	2018	55.12	PAUL TREVISAN	USA	2006
26.69	FRITZ BEDFORD	USA	2015	100 M.	FLY			55.14	STEVE WOOD	USA	2017
27.29	PETER S MOORE	USA	2022	55.85	EIJI NOMURA	JPN	2022	55.29	STEVE HILTABIDDLE	USA	2021
27.43	NICOLAS GRANGER	FRA	2017	56.78	NICOLAS GRANGER	FRA	2018	55.40	MICHAEL SODERLUND	USA	2018
27.51	SERKAN ATASAY	TUR	2022	57.25	MASATERU IKEDA	JPN	2022	55.78	GREGORY HARRIS	USA	2018
27.66	CRAIG NORREY	SUI	2011	57.29	PAUL CARTER	USA	2007	55.88	CARLO TRAVAINI	ITA	2019
27.71	STEVE WOOD	USA	2011	58.30	DAVID SIMS	USA	2012	55.91	STEVEN L UNRUH	USA	2021
27.73	HIROYOSHI MAETOGE	JPN	2015	58.76	MARIO LLORET	ESP	2009	200 M.	FREE		
27.84	DOUG KING	USA	2021	58.86	JAN BIDRMAN	CAN	2016	1:59.08	MICHAEL MANN	USA	2009
27.94	VLADIMIR PREDKIN	RUS	2019	59.18	STEVE HILTABIDDLE	USA	2018	2:03.40	S.D'ALESSANDRO	ITA	1995
100 M.	BACK			59.25	WILLIAM SPECHT	USA	2009	2:03.41	STEVEN L UNRUH	USA	2021
57.95	NICOLAS GRANGER	FRA	2017	59.26	ANDREA TOJA	ITA	2016	2:03.46	GIAN LUCA SONDALI	ITA	2022
58.47	FRITZ BEDFORD	USA	2015	200 M.	FLY			2:03.47	CARLO TRAVAINI	ITA	2019
59.79	HIROYOSHI MAETOGE	JPN	2015	2:07.89	EIJI NOMURA	JPN	2022	2:03.56	JACK GROSELLE	USA	2009
59.92	STEVE WOOD	USA	2011	2:08.05	NICOLAS GRANGER	FRA	2017	2:03.64	JAMES MCCONICA	USA	2005
1:00.25	FRANK GRUNER	GER	2022	2:10.52	MIKE SHAFFER	USA	2016	2:03.98	MARK REYNOLDS	GBR	2018
1:00.38	JAMIE FOWLER	USA	2009	2:11.15	MARCUS MATTIOLI	BRA	2014	2:04.49	MARCO COLOMBO	ITA	2017
1:00.70	YOSHINORI IWASAKI	JPN	2022	2:11.70	DAVID SIMS	USA	2012	2:04.71	PAUL LEMMON	AUS	2022
1:01.47	EDWIN VAN NORDEN	NED	2014	2:12.38	TOSHIYUKI IBE	JPN	2020	400 M.	FREE		
1:01.48	TOM WOLF	USA	2004	2:12.41	DENNIS BAKER	USA	2011	4:16.03	MICHAEL MANN	USA	2009
1:01.86	WIESLAW MUSIAL	CAN	2009	2:12.54	WILLIAM SPECHT	USA	2009	4:20.46	BRENT FOSTER	NZL	2022
200 M.	BACK			2:12.90	HUGO BREGMAN	NED	2010	4:21.72	BARTON S WELLS	USA	2022
2:07.13	NICOLAS GRANGER	FRA	2017	2:13.06	MAURO CAPPELLETTI	ITA	2015	4:22.69	PAUL LEMMON	AUS	2022
2:11.84	JAMIE FOWLER	USA	2009	100 M.	I.M.			4:23.30	GIAN LUCA SONDALI	ITA	2022
2:12.68	YOSHINORI IWASAKI	JPN	2022	57.69	NICOLAS GRANGER	FRA	2017	4:24.19	KURT DICKSON	USA	2022
2:13.02	LUCA VIGNERI	ITA	2017	59.32	FRANK GRUNER	GER	2021	4:24.48	LUCA DI IACOVO	ITA	2022
2:13.05	WIESLAW MUSIAL	CAN	2009	59.47	SERKAN ATASAY	TUR	2022	4:24.92	JIM MCCONICA	USA	2006
2:14.03	TOM WOLF	USA	2004	1:00.57	SCOTT HEBER	USA	2016	4:25.54	ARNALDO PEREZ	PUR	2017
2:14.34	LEN GUSHE	CAN	2013	1:00.76	MICHAEL HODGSON	GBR	2019	4:25.70	JOSE FREITAS	POR	2019
2:14.50	KURT DICKSON	USA	2018	1:00.96	DAVID SIMS	USA	2012	800 M.	FREE		
2:14.62	FRANK GRUNER	GER	2022	1:01.20	SHUJI AZUMA	JPN	2017	8:51.34	MICHAEL MANN	USA	2009
2:15.10	SCOTT SHAKE	USA	2008	1:01.21	JOHN LANDRETH	USA	2022	8:59.27	BRENT FOSTER	NZL	2022
50 M.	BRST			1:01.21	JEROME FRENTSOS	USA	2015	9:01.47	BARTON S WELLS	USA	2022
29.71	CARLO TRAVAINI	ITA	2017	1:01.21	EDWIN VAN NORDEN	NED	2014	9:03.00	JIM MCCONICA	USA	2006
29.79	JOAKIM HOLMQUIST	SWE	2019	200 M.	I.M.			9:07.40	G.SCARAMEL	ITA	2008
29.82	VLADISLAV BRAGIN	RUS	2021	2:06.38	NICOLAS GRANGER	FRA	2018	9:08.43	LUCA DI IACOVO	ITA	2022
29.82	NICOLAS GRANGER	FRA	2018	2:11.97	FRANK GRUNER	GER	2021	9:08.48	PAUL LEMMON	AUS	2022
29.84	DAVID GUTHRIE	USA	2013	2:12.85	JEROME FRENTSOS	USA	2015	9:10.25	KURT DICKSON	USA	2022
29.95	MICHAEL HODGSON	GBR	2017	2:13.40	JAMIE FOWLER	USA	2009	9:13.15	TOD SPIEKER	USA	2003
30.01	STEVE WEST	USA	2022	2:13.50	DAVID SIMS	USA	2014	9:14.04	ARNALDO PEREZ	PUR	2021
30.05	SPINADIN PIANCA	ITA	2020	2:14.50	SCOTT HEBER	USA	2016	1500 M.	FREE		
30.08	MAKOTO ONODERA	JPN	2017	2:14.53	KEN SHILLING	USA	2008	16:59.70	BRENT FOSTER	NZL	2022
30.10	SCOTT HEBER	USA	2016	2:15.16	HAJIME MORIMOTO	JPN	2019	17:14.15	JAMES MCCONICA	USA	2005
100 M.	BRST			2:15.16	TAIHEI SAKA	JPN	2014	17:21.15	BARTON S WELLS	USA	2022
1:04.28	NICOLAS GRANGER	FRA	2017	2:15.65	EIJI NOMURA	JPN	2022	17:35.21	TOD SPIEKER	USA	2003
1:04.54	DAVID GUTHRIE	USA	2013	400 M.	I.M.			17:35.99	MICHAEL KLEIBER	GER	2018
1:04.59	VLADISLAV BRAGIN	RUS	2022	4:29.33	NICOLAS GRANGER	FRA	2017	17:37.80	MIKE G SHAFFER	USA	2022
1:05.13	HIDEAKI TOGO	JPN	2022	4:45.15	JEROME FRENTSOS	USA	2015	17:43.34	KURT DICKSON	USA	2022
1:05.56	CARLO TRAVAINI	ITA	2017	4:46.15	FRANK GRUNER	GER	2022	17:44.01	ARNALDO A PEREZ	USA	2020
1:06.00	HAJIME MORIMOTO	JPN	2021	4:48.02	MARCUS MATTIOLI	BRA	2011	17:48.17	K.DELLBRUGGE	GER	2018
1:06.19	FRANK GRUNER	GER	2022	4:48.84	GREG STREPPPEL	CAN	2019	17:49.39	OLA SELVRENIUS	SWE	2022
1:06.25	MAKOTO ONODERA	JPN	2017	4:49.34	TAIHEI SAKA	JPN	2014	50 M.	BACK		
1:06.60	SPINADIN PIANCA	ITA	2020	4:49.49	DAVID SIMS	USA	2014	27.62	STEVE WOOD	USA	2015
1:06.89	ROBERTO DOBIE	ARG	2019	4:50.38	EIJI NOMURA	JPN	2022	27.86	FRITZ BEDFORD	USA	2018
200 M.	BRST			4:51.57	JAMIE FOWLER	USA	2009	27.96	CRAIG NORREY	SUI	2016
2:19.36	NICOLAS GRANGER	FRA	2018	4:51.98	RICARDO VALDIVIA	USA	2015	28.77	SHUJI AZUMA	JPN	2022
2:21.65	DAVID GUTHRIE	USA	2013	*****				28.97	HIROYOSHI MAETOGE	JPN	2022
2:22.60	VLADISLAV BRAGIN	RUS	2022	M E N 55-59				29.01	TOM BARTON	USA	2012
2:27.13	HAJIME MORIMOTO	JPN	2018	*****				29.02	HIROSHI SHIBUYA	JPN	2015
2:27.28	CARLO TRAVAINI	ITA	2017	50 M.	FREE			29.07	PHILIPP DJANG	USA	2009
2:28.02	ALBERTO MONTINI	ITA	2018	24.37	CALVIN MAUGHAN	SWE	2019	29.09	JAMIE FOWLER	USA	2014
2:28.94	SHUJI AZUMA	JPN	2017	24.51	BRENT BARNES	JPN	2015	29.16	CLAY BRITT	USA	2018
2:29.00	ALEXEY PLEKHANOV	RUS	2018	24.66	STEVE WOOD	USA	2015	100 M.	BACK		
2:29.48	ABRAHAM E SOLANO	USA	2019	24.70	PAUL TREVISAN	USA	2006	1:00.78	FRITZ BEDFORD	USA	2018
2:29.79	ROBERTO DOBIE	ARG	2019	24.88	STEVE HILTABIDDLE	USA	2021	1:00.84	STEVE WOOD	USA	2015
50 M.	FLY			24.90	STEVE HILTABIDDLE	USA	2021	1:02.26	MARCO COLOMBO	ITA	2015
24.96	EIJI NOMURA	JPN	2022	24.90	MICHAEL HODGSON	GBR	2022	1:02.38	JAMIE FOWLER	USA	2014
25.49	DAN THOMPSON	CAN	2009	24.91	JACK GROSELLE	USA	2009	1:02.63	HIROSHI SHIBUYA	JPN	2016
25.50	MASATERU IKEDA	JPN	2022	24.98	JERRY KOLLROSS	USA	2017	1:02.89	ALESSIO GERMANI	ITA	2021

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1:03.07	HIROYOSHI MAETOGE	JPN	2022	2:18.62	MARCUS MATTIOLI	BRA	2017	2:09.50	JIM MC CONICA	USA	2010
1:03.29	TOM BARTON	USA	2011	2:19.02	MARC GEORG VAUPEL	GER	2018	2:09.99	ANDERS HAGLUND	SWE	2022
1:03.68	EDWIN VAN NORDEN	NED	2018	2:19.72	JOHN CRAIG	USA	2009	2:10.04	FRED SCHLICHER	USA	2008
1:03.74	LEN GUSHE	CAN	2018	2:19.88	LEN GUSHE	CAN	2018	400 M. FREE			
2:15.37	LEN GUSHE	CAN	2018	2:19.91	MIKE G SHAFFER	USA	2022	4:27.57	ARNALDO PEREZ	PUR	2022
2:15.79	JAMIE FOWLER	USA	2014	2:20.24	ARNALDO PEREZ	PUR	2021	4:29.83	AHMET NAKKAS	TUR	2022
2:16.07	ALESSIO GERMANI	ITA	2021	2:20.81	MAURO CAPPELLETTI	ITA	2022	4:29.92	DAN STEPHENSON	USA	2017
2:17.04	TOM BARTON	USA	2011	2:21.90	GREG SHAW	USA	2007	4:31.91	JAMES RITTER	USA	2017
2:17.21	KURT DICKSON	USA	2022	100 M. I.M.				4:35.15	JACK GROSELLE	USA	2014
2:18.37	MICHAEL SODERLUND	USA	2018	1:01.28	JEROME A FRENTSOS	USA	2021	4:35.39	JIM MC CONICA	USA	2012
2:19.42	PHILIPP DJANG	USA	2009	1:01.30	MICHAEL HODGSON	GBR	2022	4:35.79	A.MARCO	ITA	2017
2:19.54	PAUL LEMMON	AUS	2022	1:01.31	CARLO TRAVAINI	ITA	2019	4:36.84	ANDERS HAGLUND	SWE	2021
2:19.61	PETER MCKINNON	CAN	2019	1:01.65	SHUJI AZUMA	JPN	2022	4:37.14	K.DELLBRUGGE	GER	2022
2:19.63	Z.JANUSZKIEWICZ	POL	2018	1:01.76	STEVE WOOD	USA	2015	4:37.45	DJAN MADRUGA	BRA	2021
2:19.63	STEVE WOOD	USA	2015	1:03.13	MARCO COLOMBO	ITA	2015	800 M. FREE			
50 M. BRST				1:03.14	JAMIE FOWLER	USA	2014	9:07.78	ARNALDO PEREZ	PUR	2022
29.22	CARLO TRAVAINI	ITA	2020	1:03.35	GUY FARROW	AUS	2022	9:14.50	ANDREW BRAY	USA	2018
30.37	DAVID GUTHRIE	USA	2016	1:03.48	TIMOTHY SHEAD	USA	2009	9:25.24	PAUL BLACKBEARD	AUS	2019
30.50	WALTER KUSCH	GER	2009	1:03.58	DAVE TOWN	CAN	2016	9:25.89	K.DELLBRUGGE	GER	2022
30.55	MAKOTO ONODERA	JPN	2022	200 M. I.M.				9:28.01	DAN STEPHENSON	USA	2017
31.20	MICHAEL HODGSON	GBR	2022	2:14.60	JEROME A FRENTSOS	USA	2020	9:28.32	JIM MC CONICA	USA	2012
31.45	JENS LUTSCHIN	GER	2019	2:15.99	CARLO TRAVAINI	ITA	2019	9:30.45	AHMET NAKKAS	TUR	2022
31.46	STEFFEN SCHMOLKE	GER	2022	2:16.44	MICHAEL MANN	USA	2009	9:34.18	MARCUS MATTIOLI	BRA	2021
31.56	TSUYOSHI KATO	JPN	2022	2:16.98	DAVE TOWN	CAN	2016	9:34.74	ALESSANDRO BRAVI	ITA	2017
31.60	MASAAKI OTSUKI	JPN	2016	2:18.37	DAVID SIMS	USA	2017	9:36.98	BRUCE THOMAS	USA	2017
31.65	ROBERTO FIGUEROA	CAN	2022	2:18.60	SHUJI AZUMA	JPN	2022	1500 M. FREE			
31.65	OLIVIER BORIOS	FRA	2014	2:18.69	JAMIE FOWLER	USA	2014	17:34.51	ARNALDO A PEREZ	USA	2022
100 M. BRST				2:19.01	SAKKAY AHMET	TUR	2017	17:53.29	ANDREW BRAY	USA	2018
1:04.26	CARLO TRAVAINI	ITA	2019	2:19.24	BRENT FOSTER	NZL	2022	18:04.59	AHMET NAKKAS	TUR	2022
1:06.80	DAVID GUTHRIE	USA	2016	2:20.33	TAIHEI SAKA	JPN	2019	18:07.65	BRUCE THOMAS	USA	2017
1:07.63	MAKOTO ONODERA	JPN	2022	400 M. I.M.				18:24.21	JIM MC CONICA	USA	2010
1:07.71	MICHAEL HODGSON	GBR	2022	4:49.86	BRENT FOSTER	NZL	2022	18:28.64	JIM CLEMMONS	USA	2010
1:08.13	WALTER KUSCH	GER	2009	4:51.97	MICHAEL MANN	USA	2009	18:35.51	GLENN CARLSEN	CAN	2017
1:09.65	BENJAMIN V.D. WEL	USA	2020	4:58.95	CARLO TRAVAINI	ITA	2018	18:43.41	ANDERS HAGLUND	SWE	2021
1:09.68	C.COENEY	USA	2017	5:00.03	JEROME A FRENTSOS	USA	2021	18:44.50	MARCO BRAVI	ITA	2018
1:09.86	TSUYOSHI KATO	JPN	2022	5:00.10	PAUL LEMMON	AUS	2022	18:47.47	MARTEN DE GROOT	NED	2018
1:09.87	GREGORY HARRIS	USA	2019	5:00.54	JIM SAUER	USA	2012	50 M. BACK			
1:09.93	TIMOTHY SHEAD	USA	2009	5:02.33	PATRICK BRUNDAGE	CAN	2022	29.44	JAMIE FOWLER	USA	2019
200 M. BRST				5:03.37	LEN GUSHE	CAN	2018	29.64	PHILIPP DJANG	USA	2014
2:22.91	CARLO TRAVAINI	ITA	2018	5:03.66	ARNALDO PEREZ	PUR	2017	29.77	CRAIG NORREY	SUI	2022
2:27.00	DAVID GUTHRIE	USA	2015	5:03.99	MARC GEORG VAUPEL	GER	2018	29.86	TOM BARTON	USA	2016
2:30.38	SHUJI AZUMA	JPN	2022	*****				29.89	BRUCE KONE	USA	2018
2:31.53	MAKOTO ONODERA	JPN	2022	M E N 60-64				30.05	FRANCISCO AMOROS	ESP	2019
2:32.15	JEROME A FRENTSOS	USA	2021	*****				30.27	JONATHAN KLEIN	USA	2017
2:33.79	TIMOTHY SHEAD	USA	2009	50 M. FREE				30.29	DIRK SZYMOWIAK	GER	2022
2:35.30	DAVE TOWN	CAN	2016	24.90	RICH ABRAHAMS	USA	2006	30.31	HIROSHI SHIBUYA	JPN	2022
2:35.73	G.HOFFMANN	USA	2012	25.26	BRENT BARNES	JPN	2018	30.42	MARTTI LAAJUS	ESP	2014
2:35.92	GREGORY HARRIS	USA	2018	25.39	DAN THOMPSON	CAN	2017	100 M. BACK			
2:36.10	TIMUR PODMARYOV	RUS	2012	25.40	PAUL TREVISAN	USA	2012	1:03.15	JAMIE FOWLER	USA	2019
50 M. FLY				25.52	DAVID EMERSON	GBR	2022	1:04.13	TOM BARTON	USA	2016
26.43	STEVE HILTABIDDLE	USA	2021	25.58	DOUG MARTIN	USA	2013	1:05.46	Z.JANUSZKIEWICZ	POL	2022
26.45	DAN THOMPSON	CAN	2013	25.59	JACK GROSELLE	USA	2014	1:05.62	PHILIPP DJANG	USA	2014
26.55	FRITZ BEDFORD	USA	2018	25.70	AHMET NAKKAS	TUR	2022	1:05.68	RASTISLAV PAVLOK	SVK	2020
26.67	STEVE WOOD	USA	2015	25.87	MARC MIDDLETON	USA	2012	1:06.27	TIMOTHY SHEAD	USA	2012
26.80	BRUCE KONE	USA	2015	25.93	BRUCE C KONE	USA	2019	1:06.30	JONATHAN KLEIN	USA	2017
26.85	DAVID EMERSON	GBR	2019	100 M. FREE				1:06.48	MARCO COLOMBO	ITA	2020
26.87	MARCEL EKKELBOOM	GER	2019	55.87	JACK GROSELLE	USA	2014	1:06.54	HIROSHI SHIBUYA	JPN	2022
26.93	GREG SHAW	USA	2009	56.63	RICH ABRAHAMS	USA	2008	1:06.54	ALEC JOHNSON	GBR	2022
26.97	MICHAEL HODGSON	GBR	2022	56.73	AHMET NAKKAS	TUR	2022	200 M. BACK			
26.98	SHUJI AZUMA	JPN	2022	56.90	JAMES RITTER	USA	2016	2:17.15	JAMIE FOWLER	USA	2019
100 M. FLY				57.23	DAN STEPHENSON	USA	2017	2:20.38	TOM BARTON	USA	2016
59.80	DAN THOMPSON	CAN	2013	57.47	DAVID EMERSON	GBR	2022	2:23.12	Z.JANUSZKIEWICZ	POL	2022
1:00.10	DAVID SIMS	USA	2017	57.61	PAUL TREVISAN	USA	2012	2:23.90	DAN STEPHENSON	USA	2017
1:00.13	BRYAN TATTERSON	USA	2019	57.67	DAN THOMPSON	CAN	2017	2:24.79	DJAN MADRUGA	BRA	2021
1:00.35	GREG SHAW	USA	2006	57.77	BRUCE WILLIAMS	USA	2014	2:26.30	PHILIPP DJANG	USA	2014
1:00.48	SHUJI AZUMA	JPN	2022	57.97	DAVID BOATWRIGHT	USA	2021	2:26.38	VLADIMIR GORKOV	RUS	2017
1:00.58	HUGO BREGMAN	NED	2013	200 M. FREE				2:27.61	JONATHAN KLEIN	USA	2017
1:00.71	TAIHEI SAKA	JPN	2019	2:01.65	RICK COLELLA	USA	2015	2:27.73	A.BONANNI	ITA	2022
1:00.75	STEVE HILTABIDDLE	USA	2022	2:05.07	JACK GROSELLE	USA	2014	2:27.91	JOE DUNN	USA	2018
1:00.86	STEVE WOOD	USA	2015	2:06.50	DAN STEPHENSON	USA	2017	50 M. BRST			
1:00.98	PAUL CARTER	USA	2014	2:07.22	JAMES RITTER	USA	2016	31.51	RICK COLELLA	USA	2015
200 M. FLY				2:07.96	LARRY KRAUSER	USA	2013	31.63	DAVID GUTHRIE	USA	2022
2:15.97	HUGO BREGMAN	NED	2013	2:08.60	DAVID A BISHOP	USA	2019	32.16	STUART ELLICOTT	AUS	2012
2:16.86	DAVID SIMS	USA	2017	2:09.02	B.SOUVIRAA-LABAST	FRA	2022	32.31	ROBERT STRAND	USA	2009
								32.44	DAVID BRYANT	GBR	2021

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32.44	OLIVIER BORIOS	FRA 2019	2:24.75	JACK GROSELLE	USA 2014	10:09.84	J.CHATARD	FRA 2016
32.45	TIMOTHY SHEAD	USA 2012	2:25.76	AHMET NAKKAS	TUR 2022	10:11.05	JAMES H RITTER	USA 2021
32.62	MASAAKI OTSUKI	JPN 2022	2:25.98	TIMOTHY SHEAD	USA 2012	1500 M.	FREE	
32.62	DAVID MILBURN	GBR 2022	2:26.43	HUGO BREGMAN	NED 2019	18:53.75	JIM MC CONICA	USA 2015
32.74	WALTER KUSCH	GER 2015	2:27.66	TITO MORALES	USA 2019	19:02.50	GLENN CARLSEN	CAN 2022
100 M. BRST			2:28.06	DAVID BRYANT	GBR 2021	19:09.50	JAMES H RITTER	USA 2021
1:08.24	DAVID GUTHRIE	USA 2022	2:28.47	TIM BRODERICK	USA 2011	19:17.63	PATRICK MOREAU	FRA 2017
1:09.92	RICK COLELLA	USA 2015	400 M. I.M.			19:19.65	LARRY KRAUSER	USA 2018
1:11.08	TIMOTHY SHEAD	USA 2012	5:04.54	RICK COLELLA	USA 2011	19:23.83	RICK WALKER	USA 2015
1:12.09	ROBERT STRAND	USA 2009	5:04.90	ARNALDO PEREZ	USA 2022	19:31.11	JIM CLEMMONS	USA 2015
1:12.18	AHMET NAKKAS	TUR 2022	5:15.31	HUGO BREGMAN	NED 2018	19:32.78	TOM LANDIS	USA 2007
1:12.38	JACK GROSELLE	USA 2014	5:17.31	JACK GROSELLE	USA 2014	19:36.65	GREG SANCHEZ	USA 2022
1:12.43	DAVID BRYANT	GBR 2021	5:20.37	TITO MORALES	USA 2019	19:39.12	DAN KIRKLAND	USA 2016
1:13.05	OLIVIER BORIOS	FRA 2019	5:20.60	LORENZO MARUGO	ITA 2012	50 M. BACK		
1:13.12	GREGORY OXLEY	USA 2018	5:21.77	MARCUS MATTIOLI	BRA 2021	30.34	HUGH WILDER	USA 2012
1:13.21	DAVID MILBURN	GBR 2022	5:22.27	DAN STEPHENSON	USA 2018	31.10	VLADIMIR GORKOV	RUS 2022
200 M. BRST			5:22.86	JIM CLEMMONS	USA 2010	31.54	J.DELAPORTE	FRA 2022
2:32.34	DAVID M GUTHRIE	USA 2021	5:23.93	TIES BAUER	GER 2020	31.61	PHILIPP DJANG	USA 2019
2:37.61	RICK COLELLA	USA 2011	*****			31.64	RICHARD BURNS	USA 2008
2:37.87	TIMOTHY SHEAD	USA 2012	M E N 65-69			31.77	TAKEO HIRAMOTO	JPN 2016
2:40.34	SERGE SCORE	CAN 2022	*****			31.91	PIERRE BAEHR	FRA 2019
2:40.76	ROBERT STRAND	USA 2009	50 M. FREE			32.10	JONATHAN E KLEIN	USA 2022
2:42.27	SERGEY MOLODIN	RUS 2019	25.42	DOUG MARTIN	USA 2018	32.32	VINUS VAN BAALEN	USA 2008
2:43.53	LORENZO MARUGO	ITA 2012	25.62	RICHARD ABRAHAMS	USA 2012	32.35	LUIZ FIGUEIREDO	BRA 2006
2:44.07	AHMET NAKKAS	TUR 2022	26.41	MARC MIDDLETON	USA 2016	100 M. BACK		
2:44.61	DAVID BRYANT	GBR 2021	26.65	JACK R GROSELLE	USA 2019	1:07.09	JONATHAN E KLEIN	USA 2022
2:44.71	GREGORY OXLEY	USA 2018	26.67	LEONARD BIELICZ	SWE 2016	1:07.69	HUGH WILDER	USA 2012
50 M. FLY			26.68	PAUL TREVISAN	USA 2016	1:08.55	PHILIPP DJANG	USA 2019
26.78	DAN THOMPSON	CAN 2017	26.68	KEEFE LODWIG	USA 2008	1:08.62	VLADIMIR GORKOV	RUS 2022
27.05	DAVID EMERSON	GBR 2022	26.73	VINUS VAN BAALEN	CAN 2007	1:09.47	J.DELAPORTE	FRA 2022
27.40	BRUCE C KONE	USA 2019	26.85	TATE HOLT	USA 2016	1:10.16	RICHARD BURNS	USA 2009
27.53	DONALD GRAHAM	USA 2014	26.87	DAVID QUIGGIN	USA 2009	1:10.24	TOM WOLF	USA 2019
27.82	HUGO BREGMAN	NED 2019	100 M. FREE			1:10.52	JAMES H RITTER	USA 2022
27.87	RICHARD ABRAHAMS	USA 2008	57.78	JACK R GROSELLE	USA 2019	1:10.95	BOB THOMAS	USA 2018
28.22	DOUG MARTIN	USA 2013	58.08	DAN STEPHENSON	USA 2022	1:11.45	TIMOTHY SHEAD	RSA 2017
28.26	MARC MIDDLETON	USA 2013	58.19	RICK COLELLA	USA 2016	200 M. BACK		
28.30	TAKEO HIRAMOTO	JPN 2010	58.58	RICHARD ABRAHAMS	USA 2012	2:28.43	DAN STEPHENSON	USA 2022
28.38	STEFANO VAGHI	ITA 2022	59.40	DAVID QUIGGIN	USA 2009	2:29.06	JAMES H RITTER	USA 2022
100 M. FLY			59.60	KEEFE LODWIG	USA 2008	2:30.13	VLADIMIR GORKOV	RUS 2022
1:00.20	DAN THOMPSON	CAN 2016	59.94	JAMES THORNTON	USA 2018	2:30.92	TOM WOLF	USA 2019
1:01.38	HUGO BREGMAN	NED 2018	1:00.10	PAUL TREVISAN	USA 2016	2:31.16	LAWRENCE DAY	USA 2018
1:03.38	MIKE LAMONICA	USA 2020	1:00.22	JAMES H RITTER	USA 2022	2:32.43	BRUCE YOUNG	USA 2022
1:03.67	TAKEO HIRAMOTO	JPN 2010	1:00.37	LEONARD BIELICZ	SWE 2016	2:33.00	JONATHAN E KLEIN	USA 2022
1:03.76	RICH ABRAHAMS	USA 2006	200 M. FREE			2:33.95	BOB THOMAS	USA 2018
1:04.05	JACK GROSELLE	USA 2014	2:07.46	DAN STEPHENSON	USA 2022	2:34.93	ALEK SHESTAKOV	USA 2014
1:04.27	DONALD GRAHAM	USA 2015	2:07.56	RICK COLELLA	USA 2016	2:34.97	RICHARD BURNS	USA 2009
1:04.47	GREG SHAW	USA 2011	2:11.82	JACK R GROSELLE	USA 2019	50 M. BRST		
1:04.99	BRIAN PATNO	USA 2016	2:13.84	JAMES THORNTON	USA 2017	32.50	RICK COLELLA	USA 2016
1:05.39	ALEC JOHNSON	GBR 2022	2:14.82	TIM BRODERICK	USA 2016	32.72	RICHARD NEVILLE	USA 2021
200 M. FLY			2:15.39	DAVID QUIGGIN	USA 2009	33.31	RANDY J PARKER	USA 2019
2:20.27	HUGO BREGMAN	NED 2018	2:16.03	GLENN GRUBER	USA 2014	33.72	STUART ELLICOTT	AUS 2017
2:23.29	RICK COLELLA	USA 2015	2:16.27	KEEFE LODWIG	USA 2008	33.79	WALTER KUSCH	GER 2020
2:23.44	ARNALDO PEREZ	USA 2022	2:16.28	J.CHATARD	FRA 2016	33.86	OSAMU MAEDA	JPN 2010
2:27.42	GREG SANCHEZ	USA 2019	2:16.68	CARL WATERER	CAN 2016	33.88	PERE BALCELLS	ESP 2019
2:28.62	MIKE LAMONICA	USA 2021	400 M. FREE			33.96	NEAL L VESTAL	USA 2019
2:29.40	SCOTT LAUTMAN	USA 2012	4:27.91	RICK COLELLA	USA 2017	33.97	C.STARZEC	FRA 2015
2:29.50	HIDEYUKI TANABE	JPN 2022	4:40.20	DAN STEPHENSON	USA 2022	34.15	TIMOTHY SHEAD	RSA 2017
2:30.18	FRED SCHLICHER	USA 2008	4:45.88	JIM MC CONICA	USA 2015	100 M. BRST		
2:30.59	TITO MORALES	USA 2019	4:48.79	JEFFREY BOATRIGT	USA 2018	1:11.82	RICK COLELLA	USA 2019
2:30.77	SEIICHI YARITA	JPN 2017	4:48.96	SERGE GUERIN	FRA 2022	1:14.03	TIMOTHY SHEAD	RSA 2017
100 M. I.M.			4:51.48	AKIRA IIDA	JPN 2019	1:15.67	RANDY J PARKER	USA 2019
1:04.23	RICK COLELLA	USA 2015	4:51.84	JACK R GROSELLE	USA 2019	1:15.69	STUART ELLICOTT	AUS 2017
1:05.53	TIMOTHY SHEAD	USA 2012	4:52.89	RICK WALKER	USA 2015	1:15.81	RICHARD NEVILLE	USA 2021
1:05.88	AHMET NAKKAS	TUR 2022	4:53.03	DAN KIRKLAND	USA 2015	1:15.84	ROBERT STRAND	USA 2012
1:06.10	JACK GROSELLE	USA 2014	4:53.13	PATRICK MOREAU	FRA 2019	1:16.09	GLEN CHRISTIANSEN	ESP 2022
1:06.42	GREGORY OXLEY	USA 2018	800 M. FREE			1:16.34	C.STARZEC	FRA 2015
1:06.53	TAKEO HIRAMOTO	JPN 2010	9:26.94	RICK COLELLA	USA 2019	1:16.64	OSAMU MAEDA	JPN 2010
1:06.78	DAVID GUTHRIE	USA 2022	9:53.06	JIM MC CONICA	USA 2015	1:16.93	PERE BALCELLS	ESP 2019
1:07.21	SERGEY MOLODIN	RUS 2019	10:03.53	DAN STEPHENSON	USA 2022	200 M. BRST		
1:07.56	DONALD GRAHAM	USA 2015	10:04.64	SERGE GUERIN	FRA 2022	2:36.85	RICK COLELLA	USA 2017
1:07.66	FRANCOIS CARLES	FRA 2022	10:04.77	PATRICK MOREAU	FRA 2017	2:48.26	TIMOTHY SHEAD	RSA 2017
200 M. I.M.			10:05.03	DAN KIRKLAND	USA 2014	2:49.05	ROBERT STRAND	USA 2012
2:19.96	RICK COLELLA	USA 2015	10:05.56	GLENN CARLSEN	CAN 2022	2:52.86	GERARD HOFFMANN	USA 2021
2:23.30	JAMIE FOWLER	USA 2019	10:06.58	RICK WALKER	USA 2015	2:53.44	ALLEN STARK	USA 2014
2:24.56	ARNALDO PEREZ	USA 2022				2:53.55	C.STARZEC	FRA 2016

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



2:54.15	JIM CLEMMONS	USA	2015	26.88	RICHARD ABRAHAMS	USA	2015	34.60	JOSE LORO	BRA	2021
2:54.56	GERSHON SHEFA	ISR	2008	27.70	JEFF FARRELL	USA	2008	100 M.	BACK		
2:54.65	STUART ELLICOTT	AUS	2017	27.94	MARC D MIDDLETON	USA	2021	1:11.49	LAWRENCE J DAY	USA	2021
2:55.41	HUBIE KERNS	USA	2014	28.08	FUMIO SHIGENO	JPN	2019	1:12.09	RICHARD BURNS	USA	2013
50 M.	FLY			28.23	VINUS VAN BAALEN	CAN	2012	1:12.23	HUGH WILDER	USA	2017
28.65	DOUG MARTIN	USA	2018	28.25	GLENN A GRUBER	USA	2019	1:13.32	J-C LESTIDEAU	ESP	2016
28.91	JOSEP CLARET	ESP	2009	28.28	PETER BERGENGREN	SWE	2008	1:14.31	BARRY YOUNG	NZL	2009
28.99	RICHARD ABRAHAMS	USA	2010	28.31	IAN SMITH	CAN	2011	1:15.08	BERND HORSTMANN	GER	2012
29.05	MARC MIDDLETON	USA	2016	28.36	ROBERT H WILSON	USA	2021	1:15.34	DAN KIRKLAND	USA	2018
29.11	ISAMU SHIBAZAKI	JPN	2022	28.36	CHRIS DUNN	GBR	2017	1:15.68	STEVEN V HECK	USA	2019
29.17	A.MARKOVSKIY	RUS	2022	100 M.	FREE			1:15.78	STEVE GROSSMAN	GBR	2022
29.18	JIM DRAGON	USA	2009	1:01.70	RICHARD ABRAHAMS	USA	2015	1:15.85	YOSHI OYAKAWA	USA	2003
29.38	LEONARD BIELICZ	SWE	2017	1:02.87	DAVID QUIGGIN	USA	2014	200 M.	BACK		
29.41	J.DELAPORTE	FRA	2022	1:03.25	GLENN A GRUBER	USA	2019	2:34.96	LAWRENCE J DAY	USA	2021
29.42	DAN THOMPSON	CAN	2022	1:03.33	JEFF FARRELL	USA	2007	2:38.01	RICHARD BURNS	USA	2013
100 M.	FLY			1:04.15	ABED OUADAH	FRA	2022	2:40.17	BARRY YOUNG	NZL	2009
1:05.37	LAWRENCE DAY	USA	2016	1:04.17	LEE CHILDS	USA	2018	2:41.22	DAN KIRKLAND	USA	2018
1:05.84	RICK COLELLA	USA	2019	1:04.17	ANDREW MCPHERSON	USA	2017	2:41.35	ALEK I SHESTAKOV	USA	2019
1:05.90	JOSEP CLARET	ESP	2009	1:04.45	ROBERT H WILSON	USA	2021	2:45.25	J.LESTIDEAU	FRA	2017
1:06.57	JACK R GROSELLE	USA	2019	1:04.57	RICHARD BURNS	USA	2013	2:46.37	STEVE GROSSMAN	GBR	2022
1:06.60	RICHARD ABRAHAMS	USA	2010	1:04.58	CAV CAVANAUGH	USA	2005	2:47.34	PATRICK MOREAU	SUI	2022
1:06.72	SEIICHI YARITA	JPN	2022	200 M.	FREE			2:47.36	HUGH WILDER	USA	2017
1:07.58	DAN STEPHENSON	USA	2022	2:10.97	RICK COLELLA	USA	2021	2:48.91	JOZSEF CSIKANY	HUN	2013
1:07.61	KEVIN MCCORMACK	USA	2017	2:19.63	DAN KIRKLAND	USA	2018	50 M.	BRST		
1:07.79	LEONARD BIELICZ	SWE	2016	2:22.60	DAVID QUIGGIN	USA	2014	33.54	RICK COLELLA	USA	2021
1:07.83	TAKEO HIRAMOTO	JPN	2015	2:23.30	RICHARD ABRAHAMS	USA	2015	34.04	STUART ELLICOTT	AUS	2022
200 M.	FLY			2:23.53	RICK B WALKER	USA	2021	35.53	DIETER HOFEL	GER	2016
2:25.35	RICK COLELLA	USA	2017	2:23.84	ABED OUADAH	FRA	2022	35.85	YOSHIHIKO OSAKI	JPN	2009
2:27.35	LAWRENCE DAY	USA	2016	2:24.08	GLENN A GRUBER	USA	2019	35.97	ROBERT STRAND	USA	2016
2:31.58	GREG SANCHEZ	USA	2022	2:24.12	PATRICK MOREAU	FRA	2022	36.15	DOUGLAS SPRINGER	USA	2016
2:32.49	KAZUHIRO OTSUKA	JPN	2021	2:24.31	GRAHAM JOHNSTON	USA	2001	36.16	DAVID GILDEA	USA	2013
2:33.77	TAKEO HIRAMOTO	JPN	2015	2:24.51	JAMES S THORNTON	USA	2022	36.28	TOSHIHARU FUJII	JPN	2021
2:38.71	ROBERT POILETMAN	USA	2008	400 M.	FREE			36.58	HISASHI DOI	JPN	2018
2:41.64	DEREK PARR	GBR	2009	4:46.78	RICK COLELLA	USA	2022	36.97	CRAIG M OTTERSEN	USA	2022
2:41.88	JOHN B CHAMBERS	USA	2020	4:56.95	DAN KIRKLAND	USA	2018	100 M.	BRST		
2:44.91	MARK MODJESKA	USA	2018	5:05.30	RICK B WALKER	USA	2020	1:13.04	RICK COLELLA	USA	2021
2:45.27	J.LESTIDEAU	FRA	2011	5:05.47	DAVID QUIGGIN	USA	2014	1:17.42	STUART ELLICOTT	AUS	2022
100 M.	I.M.			5:07.58	PATRICK MOREAU	FRA	2022	1:19.04	DOUGLAS SPRINGER	USA	2016
1:05.43	RICK COLELLA	USA	2016	5:09.75	GRAHAM JOHNSTON	USA	2002	1:20.76	ROBERT STRAND	USA	2016
1:09.09	JACK R GROSELLE	USA	2019	5:10.68	HUBIE KERNS	USA	2019	1:20.82	TOSHIHARU FUJII	JPN	2021
1:09.38	TIMOTHY SHEAD	RSA	2017	5:12.57	TOM LANDIS	USA	2012	1:21.41	DAVID GILDEA	USA	2013
1:09.90	HUBIE KERNS	USA	2014	5:14.70	J-C LESTIDEAU	ESP	2016	1:21.70	HISASHI DOI	JPN	2018
1:10.26	ROBERT STRAND	USA	2012	5:15.67	STEVE GROSSMAN	GBR	2022	1:21.86	CRAIG M OTTERSEN	USA	2022
1:10.42	RICHARD ABRAHAMS	USA	2010	800 M.	FREE			1:22.17	ALLEN L STARK	USA	2019
1:10.47	AKIRA IIDA	JPN	2019	9:36.64	RICK COLELLA	USA	2022	1:22.28	HUBIE KERNS	USA	2019
1:10.54	BRUCE YOUNG	USA	2022	10:17.73	DAN KIRKLAND	USA	2018	200 M.	BRST		
1:10.56	TAKEO HIRAMOTO	JPN	2015	10:32.27	PATRICK MOREAU	FRA	2022	2:55.87	ROBERT STRAND	USA	2016
1:10.67	RICHARD BURNS	USA	2008	10:47.93	RICK B WALKER	USA	2020	2:55.98	STUART ELLICOTT	AUS	2022
200 M.	I.M.			10:52.68	GRAHAM JOHNSTON	USA	2001	2:59.36	TOSHIHARU FUJII	JPN	2020
2:20.35	RICK COLELLA	USA	2018	10:56.19	HUBIE KERNS	USA	2019	2:59.41	DOUGLAS SPRINGER	USA	2016
2:30.80	TIMOTHY SHEAD	RSA	2017	10:56.26	JIM CLEMMONS	USA	2022	3:01.22	BARRY YOUNG	NZL	2009
2:30.96	LAWRENCE DAY	USA	2016	10:57.49	K.NOTTRODT	GER	2022	3:01.92	NORIAKI TSUJI	JPN	2016
2:33.30	JACK R GROSELLE	USA	2019	10:58.56	FRANK MCELROY	USA	2018	3:03.44	HUBIE KERNS	USA	2019
2:34.15	HUBIE KERNS	USA	2014	10:59.00	MACIEJ SLUGOCKI	AUS	2022	3:04.51	DAVID GILDEA	USA	2013
2:34.64	ALEK SHESTAKOV	USA	2014	1500 M.	FREE			3:05.27	HANS REICHEL	GER	2007
2:35.64	GREG SANCHEZ	USA	2022	18:29.71	RICK COLELLA	USA	2022	3:05.42	MICHAEL MOLONEY	AUS	2009
2:35.81	BRUCE YOUNG	USA	2022	19:46.94	DAN L KIRKLAND	USA	2019	50 M.	FLY		
2:36.37	PATRICK MOREAU	FRA	2019	20:02.86	RICK B WALKER	USA	2020	29.52	RICHARD ABRAHAMS	USA	2015
2:37.43	JAMES THORNTON	USA	2017	20:39.98	JIM CLEMMONS	USA	2022	30.01	LAWRENCE J DAY	USA	2022
400 M.	I.M.			20:42.57	HUBIE KERNS	USA	2019	30.09	MARC D MIDDLETON	USA	2021
5:03.34	RICK COLELLA	USA	2017	20:45.67	G.SCARAMEL	ITA	2022	30.95	LEE CHILDS	USA	2018
5:27.85	DAN STEPHENSON	USA	2022	20:54.56	GRAHAM JOHNSTON	USA	2001	30.96	JIM DRAGON	USA	2014
5:31.50	GREG SANCHEZ	USA	2022	21:07.23	TOM LANDIS	USA	2012	31.13	ANDREW MCPHERSON	USA	2017
5:32.88	PATRICK MOREAU	FRA	2017	21:07.65	DAVID QUIGGIN	USA	2015	31.35	KENJI NAKAMATSU	JPN	2019
5:34.07	JACK R GROSELLE	USA	2019	21:17.81	JOHN CRISP	AUS	2005	31.47	HANNU KUOKKANEN	FIN	2018
5:34.78	HUBIE KERNS	USA	2014	50 M.	BACK			31.55	BERT PETERSEN	USA	2008
5:34.91	ALEK SHESTAKOV	USA	2014	32.77	TONY GAYFORD	NZL	2017	31.56	JOSEP CLARET	ESP	2014
5:37.06	FRANKLIN M HALLEY	USA	2022	33.09	HUGH WILDER	USA	2017	100 M.	FLY		
5:37.22	J.LESTIDEAU	FRA	2011	33.51	RICHARD BURNS	USA	2013	1:06.54	LAWRENCE J DAY	USA	2021
5:37.74	AKIRA IIDA	JPN	2019	33.53	J-C LESTIDEAU	ESP	2016	1:07.56	RICHARD ABRAHAMS	USA	2015
				33.73	LAWRENCE J DAY	USA	2022	1:12.02	JOSEP CLARET	ESP	2014
				33.90	YOSHI OYAKAWA	USA	2003	1:12.64	J.LESTIDEAU	FRA	2016
				34.15	VINUS VAN BAALEN	CAN	2012	1:12.64	ROBERT POILETMAN	USA	2014
				34.27	MARC D MIDDLETON	USA	2021	1:13.49	ANDREW MCPHERSON	USA	2017
				34.57	STEVEN V HECK	USA	2019	1:13.68	KOJI IWAMOTO	JPN	2013

M E N 70-74

50 M. FREE

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



1:15.04 KIERAN KELLEHER IRL 2018	2:27.53 DAVID RADCLIFF USA 2009	50 M. BRST
1:15.57 HORST LEHMANN GER 2017	2:32.00 AKIRA FUJIMAKI JPN 2018	36.78 ROBERTO RUGGIERI ITA 2022
1:15.62 HUBIE KERNS USA 2019	2:35.60 MIKE FRESHLEY USA 2016	38.35 MIKE FRESHLEY USA 2016
200 M. FLY	2:35.71 TADANOBU YAMADA JPN 2018	38.36 DOUGLAS SPRINGER USA 2021
2:45.30 LAWRENCE J DAY USA 2021	2:36.94 RUDOLF SMERDA CZE 2018	38.59 PETER ANDERSEN USA 2018
2:51.32 BARRY YOUNG NZL 2009	2:37.71 GRAHAM JOHNSTON USA 2006	39.04 TETSUO NAKAMARU JPN 2010
2:52.80 DOUGLAS SPRINGER USA 2016	2:37.96 A.MACGREGOR GBR 2020	39.20 HANS REICHELT GER 2011
2:53.96 J.LESTIDEAU FRA 2017	2:38.07 IKURO SHIMONO JPN 2013	39.35 TATSUO ASAI JPN 2016
2:54.08 HUBIE KERNS USA 2019	2:38.23 SEKIO MARUYAMA JPN 2017	39.36 TONY GOODWIN AUS 2012
2:55.66 ROBERT POILETMAN USA 2013	400 M. FREE	39.84 JACK KELSO CAN 2015
2:56.53 HIROYUKI YOBIKO JPN 2020	5:15.10 DAVID RADCLIFF USA 2009	39.85 YOSHIKAKI AOKI JPN 2014
2:57.68 ROLAND FREYGANG GER 2022	5:30.95 GERHARD HOLE GER 2012	100 M. BRST
2:57.84 HORST LEHMANN GER 2017	5:32.91 TADANOBU YAMADA JPN 2018	1:24.27 DOUGLAS SPRINGER USA 2022
2:58.89 KOJI IWAMOTO JPN 2013	5:34.10 DAVID QUIGGIN USA 2019	1:25.38 MIKE FRESHLEY USA 2016
100 M. I.M.	5:36.32 IKURO SHIMONO JPN 2012	1:26.76 HANS REICHELT GER 2011
1:06.98 RICK COLELLA USA 2021	5:40.14 GRAHAM JOHNSTON USA 2006	1:26.84 TONY GOODWIN AUS 2012
1:12.04 LAWRENCE J DAY USA 2021	5:40.66 MIKE FRESHLEY USA 2016	1:26.87 MASARU SHINKAI JPN 2016
1:12.74 STEVEN V HECK USA 2019	5:44.36 JOAQUIN CANALES ESP 2016	1:27.03 ROBERTO RUGGIERI ITA 2022
1:12.94 HUBIE KERNS USA 2019	5:45.47 HIROSHI YOSHIMURA JPN 2004	1:27.76 TETSUO NAKAMARU JPN 2010
1:13.09 RICHARD ABRAHAMS USA 2015	5:45.92 TONY RALPHS USA 2018	1:28.40 BELA FABIAN HUN 2013
1:13.80 ROBERT H WILSON USA 2021	800 M. FREE	1:28.61 ROBERT PFERSDORFF GER 1999
1:14.40 RICHARD BURNS USA 2013	10:59.10 DAVID RADCLIFF USA 2009	1:28.72 SHUNSAKU TAKAHIRA JPN 2007
1:14.53 ANDREW MCPHERSON USA 2017	11:07.83 GERHARD HOLE GER 2012	200 M. BRST
1:14.72 HIROYUKI YOBIKO JPN 2020	11:28.93 TADANOBU YAMADA JPN 2018	3:06.82 MIKE FRESHLEY USA 2016
1:14.73 JACK KELSO CAN 2009	11:38.56 BURWELL JONES USA 2008	3:09.09 TONY GOODWIN AUS 2012
200 M. I.M.	11:46.12 TONY RALPHS USA 2018	3:12.80 MASARU SHINKAI JPN 2015
2:27.07 RICK COLELLA USA 2021	11:47.67 YASUSHI YAMAGUCHI JPN 2014	3:14.61 DOUGLAS SPRINGER USA 2022
2:37.22 LAWRENCE J DAY USA 2021	11:56.90 DAVID QUIGGIN USA 2019	3:15.57 HANS REICHELT GER 2011
2:40.45 HUBIE KERNS USA 2019	12:00.94 GRAHAM JOHNSTON USA 2006	3:18.03 PAUL WYATT AUS 2022
2:41.76 ALEK I SHESTAKOV USA 2019	12:02.87 HIROSHI YOSHIMURA JPN 2004	3:19.58 NORIAKI TSUJI JPN 2021
2:42.00 STEVEN V HECK USA 2019	12:03.35 B.CAMMELLI ITA 2018	3:19.96 YOSHIKAKI AOKI JPN 2014
2:42.44 BARRY YOUNG NZL 2009	1500 M. FREE	3:20.93 TSUTOMU KAJIHARA JPN 2008
2:43.51 PATRICK MOREAU FRA 2022	20:39.50 DAVID RADCLIFF USA 2009	3:21.50 KARL HAUTER GER 2000
2:44.81 RICHARD BURNS USA 2013	21:55.35 TADANOBU YAMADA JPN 2018	50 M. FLY
2:44.94 LEE CHILDS USA 2018	22:15.88 TONY RALPHS USA 2018	32.09 RICHARD ABRAHAMS USA 2021
2:45.13 TIM BRODERICK USA 2021	22:25.81 DAVID QUIGGIN USA 2019	32.41 RICHARD BURNS USA 2018
400 M. I.M.	22:27.75 GRAHAM JOHNSTON USA 2006	32.41 MIKE FRESHLEY USA 2016
5:46.48 PATRICK MOREAU FRA 2022	22:28.06 BURWELL JONES USA 2008	32.93 HIROSHI MATSUMOTO JPN 2012
5:47.41 LAWRENCE J DAY USA 2022	22:52.00 HIROSHI YOSHIMURA JPN 2003	33.18 Y.FUNAHASHI JPN 2015
5:48.15 ALEK I SHESTAKOV USA 2019	23:18.51 JOAQUIN CANALES ESP 2015	33.27 ARAM BOGHOSIAN BRA 2004
5:48.67 BARRY YOUNG NZL 2009	23:21.52 JOHN RICHARDS AUS 2017	33.32 JOSEPH CLARET ESP 2019
5:57.68 J.LESTIDEAU FRA 2016	23:22.66 TOSABURO HOSOKAWA JPN 2010	33.51 JOEL J BURNS USA 2022
5:59.34 HUBIE KERNS USA 2019	50 M. BACK	33.56 HORST LEHMANN GER 2022
6:03.92 STEVEN V HECK USA 2019	33.87 RICHARD BURNS USA 2018	33.99 BERND SCHRODER GER 2018
6:04.55 DOUGLAS SPRINGER USA 2016	35.51 YOSHI OYAKAWA USA 2008	100 M. FLY
6:07.39 PAUL WYATT AUS 2016	35.93 BURWELL JONES USA 2009	1:17.51 RICHARD ABRAHAMS USA 2022
6:08.30 JIM CLEMMONS USA 2020	36.24 JOZSEF CSIKANY HUN 2020	1:17.59 RICHARD BURNS USA 2019
*****	36.41 BERND HORSTMANN GER 2018	1:19.34 HORST LEHMANN GER 2022
M E N 75-79	36.58 S.SEKIKAWA JPN 2008	1:19.63 DEREK PARR GBR 2019
*****	36.68 CLARKE MITCHELL USA 2007	1:20.59 RUDOLF SMERDA CZE 2018
50 M. FREE	36.85 GERHARD WIELAND AUT 2019	1:20.59 KOJI IWAMOTO JPN 2017
28.70 RICHARD ABRAHAMS USA 2021	36.94 JOAQUIN CANALES ESP 2015	1:21.12 TAISUKE MIYAZAKI JPN 2014
28.93 DAVID QUIGGIN USA 2019	36.97 JOZSEG CSIKANY HUN 2019	1:23.68 JOAQUIN CANALES ESP 2016
29.47 GERHARD WIELAND AUT 2019	100 M. BACK	1:24.03 CHITOSHI KONISHI JPN 2015
29.90 MIKE FRESHLEY USA 2016	1:14.03 RICHARD BURNS USA 2019	1:24.10 YASUTAKA KOIKE JPN 2018
30.13 IAN SMITH CAN 2016	1:18.29 JOZSEF CSIKANY HUN 2018	200 M. FLY
30.15 DAVID RADCLIFF USA 2009	1:18.47 BURWELL JONES USA 2009	3:10.12 RUDOLF SMERDA CZE 2019
30.21 AKIRA FUJIMAKI JPN 2018	1:20.16 YOSHI OYAKAWA USA 2008	3:13.52 YASUTAKA KOIKE JPN 2018
30.29 NEIL MACKINNON GBR 2016	1:20.66 S.SEKIKAWA JPN 2009	3:13.73 DOUGLAS SPRINGER USA 2021
30.48 HIROSHI MARUYAMA JPN 2017	1:21.65 BERND HORSTMANN GER 2018	3:13.98 DEREK PARR GBR 2019
30.53 RICHARD BURNS USA 2018	1:22.02 JOAQUIN CANALES ESP 2016	3:14.19 HORST LEHMANN GER 2022
100 M. FREE	1:23.39 HELMUT RICHTER GER 2014	3:15.66 ALBERTO SICA ITA 2022
1:04.80 DAVID QUIGGIN USA 2019	1:23.51 MIKE FRESHLEY USA 2016	3:15.78 KOJI IWAMOTO JPN 2017
1:05.13 DAVID RADCLIFF USA 2009	1:23.55 T.HASHIMOTO JPN 2015	3:16.99 TAKASHI HAYASHI JPN 2009
1:06.36 AKIRA FUJIMAKI JPN 2018	200 M. BACK	3:20.21 KARL DONOGHUE CAN 2019
1:07.34 MIKE FRESHLEY USA 2016	2:44.04 RICHARD BURNS USA 2018	3:25.16 ALFRED SEEGER GER 2015
1:07.75 RICHARD BURNS USA 2019	2:49.20 BURWELL JONES USA 2009	100 M. I.M.
1:08.02 RICHARD ABRAHAMS USA 2022	2:55.73 JOZSEF CSIKANY HUN 2020	1:17.55 MIKE FRESHLEY USA 2016
1:08.90 BURWELL JONES USA 2009	2:58.21 ROGER FRANKS USA 2002	1:17.89 RICHARD BURNS USA 2018
1:08.97 HIROSHI MARUYAMA JPN 2017	3:00.13 BERND HORSTMANN GER 2019	1:18.80 BURWELL JONES USA 2009
1:09.15 JACK KELSO CAN 2014	3:00.49 T.HASHIMOTO JPN 2016	1:20.08 DOUGLAS SPRINGER USA 2022
1:09.16 GERHARD WIELAND AUT 2019	3:00.92 S.SEKIKAWA JPN 2008	1:20.43 JACK KELSO CAN 2015
200 M. FREE	3:03.13 FRANS VAN ENST NED 2015	1:21.18 ROBERTO RUGGIERI ITA 2022
2:26.94 DAVID QUIGGIN USA 2019	3:04.84 KARL DONOGHUE CAN 2015	1:21.25 KOJI IWAMOTO JPN 2017
	3:06.60 ERIK LOKENSGARD USA 2019	1:21.42 DAVID COSTILL USA 2011

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



1:22.11	JOAQUIN CANALES	ESP	2015	12:50.20	JOAQUIN CANALES	ESP	2020	3:21.35	MASARU SHINKAI	JPN	2021
1:22.63	RUDOLF SMERDA	CZE	2018	12:50.74	WERNER SCHNABEL	GER	2016	3:23.69	TONY GOODWIN	AUS	2017
200 M. I.M.				12:50.97	HIROSHI YOSHIMURA	JPN	2008	3:34.21	ZENJI NAKAHARI	JPN	2008
2:50.79	RICHARD BURNS	USA	2018	12:54.01	JOAQUIN MENDOZA	ESP	2021	3:36.54	DAVID COSTILL	USA	2017
2:55.45	MIKE FRESHLEY	USA	2016	12:59.22	ROBERTO ALBERICHE	ESP	2013	3:36.62	MASAMI SHIGETA	JPN	2016
2:59.01	DOUGLAS SPRINGER	USA	2022	13:01.70	GRAHAM JOHNSTON	USA	2012	3:36.80	MIKE FRESHLEY	USA	2022
2:59.26	BURWELL JONES	USA	2009	13:02.25	GIULIO DIVANO	ITA	2012	3:37.14	JOACHIM SCHULZE	GER	2020
3:00.10	KOJI IWAMOTO	JPN	2017	13:04.89	FRED DE BRUIJN	ESP	2019	3:38.59	KAIZO YAMAMOTO	JPN	2018
3:01.83	GERSHON SHEFA	ISR	2019	1500 M. FREE				3:38.72	SEIJI KOMAKI	JPN	2022
3:03.21	JACK KELSO	CAN	2015	21:59.53	DAVID RADCLIFF	USA	2014	3:39.28	HANS REICHELT	GER	2018
3:04.87	IKURO SHIMONO	JPN	2013	24:23.01	TOSABURO HOSOKAWA	JPN	2016	50 M. FLY			
3:05.72	ALBERTO SICA	ITA	2021	24:30.08	JOAQUIN MENDOZA	ESP	2021	35.06	HIROSHI MATSUMOTO	JPN	2016
3:06.89	RUDOLF SMERDA	CZE	2019	24:36.35	BURWELL JONES	USA	2013	36.11	HELMUT RICHTER	GER	2019
400 M. I.M.				24:36.75	GERHARD HOLE	GER	2015	37.09	NEIL MACKINNON	GBR	2021
6:26.09	RICHARD BURNS	USA	2019	25:07.03	FRED DE BRUIJN	ESP	2018	37.77	TAKASHI HAYASHI	JPN	2013
6:29.29	MIKE FRESHLEY	USA	2016	25:18.69	HIROSHI YOSHIMURA	JPN	2009	38.36	AKIRA TAKAKURA	JPN	2022
6:31.73	DOUGLAS SPRINGER	USA	2021	25:25.94	GRAHAM JOHNSTON	USA	2012	38.44	LAURI MALK	FIN	2017
6:33.07	KURT FREI	SUI	2021	25:35.01	RAY TAFT	USA	1999	38.64	JOAQUIN CANALES	ESP	2020
6:33.87	BURWELL JONES	USA	2009	25:35.82	GIULIO DIVANO	ITA	2012	38.92	CLARKE MITCHELL	USA	2013
6:41.41	ALBERTO SICA	ITA	2022	50 M. BACK				39.11	TAISUKE MIYAZAKI	JPN	2019
6:41.85	PAUL WYATT	AUS	2021	37.82	YOSHI OYAKAWA	USA	2014	39.25	KOUTAROU YUGAWA	JPN	2022
6:51.13	MASARU SHINKAI	JPN	2017	37.92	AKIHIKO YABE	JPN	2019	39.25	MASARU SHINKAI	JPN	2020
6:52.62	KARL HAUTER	GER	2001	38.15	S.SEKIKAWA	JPN	2013	100 M. FLY			
6:54.31	JOAQUIN CANALES	ESP	2015	38.26	KEIJIRO NAKAMURA	JPN	2003	1:30.06	MASARU SHINKAI	JPN	2020
*****				38.62	CLARKE MITCHELL	USA	2013	1:30.15	GIULIO DIVANO	ITA	2012
M E N 80-84				38.67	HELMUT RICHTER	GER	2019	1:30.69	TAKASHI HAYASHI	JPN	2013
*****				39.51	BURWELL JONES	USA	2013	1:32.28	LAURI MALK	FIN	2017
50 M. FREE				39.63	BERND HORSTMANN	GER	2022	1:35.12	HIROSHI MATSUMOTO	JPN	2016
31.25	JEFF FARRELL	USA	2017	39.78	MARTY MENNEN	USA	2016	1:35.58	DAVID COSTILL	USA	2016
31.74	HIROSHI MATSUMOTO	JPN	2016	40.03	MIKLOS KOVATS	HUN	2020	1:35.68	KOJI IWAMOTO	JPN	2022
32.07	HELMUT RICHTER	GER	2019	100 M. BACK				1:36.07	WILLIAM LETCH	GBR	2020
32.14	ROBERTO ALBERICHE	ESP	2013	1:23.24	DAVID COSTILL	USA	2017	1:36.53	KARL HAUTER	GER	2005
32.61	KEIJIRO NAKAMURA	JPN	2004	1:25.07	S.SEKIKAWA	JPN	2013	1:38.28	OLEG TKACHENKO	RUS	2021
32.65	AKIHIKO EGUCHI	JPN	2022	1:25.77	KEIJIRO NAKAMURA	JPN	2003	200 M. FLY			
32.74	NEIL MACKINNON	GBR	2021	1:26.12	BERND HORSTMANN	GER	2022	3:30.11	GIULIO DIVANO	ITA	2011
32.80	FRANK PIEMME	USA	2005	1:27.86	T.HASHIMOTO	JPN	2020	3:33.24	TAKASHI HAYASHI	JPN	2013
32.84	TSUTOMU HAYASHI	JPN	2017	1:28.01	MARTY MENNEN	USA	2016	3:39.42	MASARU SHINKAI	JPN	2020
32.90	CAV CAVANAUGH	USA	2015	1:28.01	YOSHI OYAKAWA	USA	2014	3:46.51	OLEG TKACHENKO	RUS	2021
100 M. FREE				1:28.31	JOAQUIN CANALES	ESP	2020	3:49.18	ALFRED SEGER	GER	2020
1:11.26	DAVID RADCLIFF	USA	2014	1:28.47	CLARKE MITCHELL	USA	2013	3:51.87	DAVID MCLACHLAN	RSA	2017
1:12.38	JEFF FARRELL	USA	2017	1:29.32	MIKLOS KOVATS	HUN	2020	3:52.41	THOMAS MAINE	USA	2007
1:12.84	ROBERTO ALBERICHE	ESP	2012	200 M. BACK				3:57.85	JOHN COCKS	AUS	2018
1:13.32	HIROSHI MATSUMOTO	JPN	2016	3:07.44	DAVID COSTILL	USA	2017	3:58.52	JOAQUIN MENDOZA	ESP	2021
1:13.71	HELMUT RICHTER	GER	2019	3:10.06	KEIJIRO NAKAMURA	JPN	2003	4:00.64	ANTON CERER	USA	1997
1:13.91	MASATO YOSHINO	JPN	2018	3:11.14	BERND HORSTMANN	GER	2022	100 M. I.M.			
1:14.48	JOHN KELSO	CAN	2019	3:11.45	S.SEKIKAWA	JPN	2013	1:24.69	DAVID COSTILL	USA	2017
1:14.49	HIROSHI MARUYAMA	JPN	2022	3:11.91	T.HASHIMOTO	JPN	2020	1:26.73	JOHN KELSO	CAN	2019
1:15.16	CAV CAVANAUGH	USA	2015	3:12.01	MARTY MENNEN	USA	2016	1:27.38	MASARU SHINKAI	JPN	2020
1:16.09	KEIJIRO NAKAMURA	JPN	2003	3:15.61	GERHARD HOLE	GER	2015	1:28.38	JEFF FARRELL	USA	2017
200 M. FREE				3:17.15	KARL DONOGHUE	CAN	2020	1:28.42	BELA FABIAN	HUN	2017
2:38.25	DAVID RADCLIFF	USA	2014	3:18.56	ERIK LOKENSGARD	USA	2022	1:28.47	GERHARD HOLE	GER	2015
2:44.88	MASATO YOSHINO	JPN	2018	3:19.77	BURWELL JONES	USA	2013	1:28.76	ROBERTO ALBERICHE	ESP	2012
2:45.24	ROBERTO ALBERICHE	ESP	2012	50 M. BRST				1:29.29	JAMES ZURCHER	USA	2014
2:46.58	IKURO SHIMONO	JPN	2017	41.42	TOSHIO TAJIMA	JPN	2005	1:29.42	KOJI IWAMOTO	JPN	2022
2:46.61	WERNER SCHNABEL	GER	2016	41.65	TONY GOODWIN	AUS	2017	1:29.78	IKURO SHIMONO	JPN	2019
2:49.39	HIROSHI MATSUMOTO	JPN	2016	41.71	BELA FABIAN	HUN	2017	200 M. I.M.			
2:52.14	CAV CAVANAUGH	USA	2015	42.00	TATSUO ASAI	JPN	2021	3:16.09	MASARU SHINKAI	JPN	2020
2:52.72	GERHARD HOLE	GER	2015	42.20	MASARU SHINKAI	JPN	2022	3:16.26	IKURO SHIMONO	JPN	2017
2:55.46	SHINGO YAMAMOTO	JPN	2011	42.41	JOHN KELSO	CAN	2019	3:16.32	JOHN KELSO	CAN	2019
2:56.72	WILLIAM LETCH	GBR	2020	42.41	DAVID COSTILL	USA	2017	3:17.29	DAVID COSTILL	USA	2016
400 M. FREE				42.64	ANTONIO ORSELLI	BRA	2022	3:18.55	GIULIO DIVANO	ITA	2011
5:39.27	DAVID RADCLIFF	USA	2014	42.98	KOUTAROU YUGAWA	JPN	2021	3:21.84	JOAQUIN CANALES	ESP	2020
5:51.05	MASATO YOSHINO	JPN	2018	42.99	HANS REICHELT	GER	2017	3:22.25	JAMES ZURCHER	USA	2014
5:56.77	ROBERTO ALBERICHE	ESP	2012	100 M. BRST				3:23.52	T.TAKESHITA	JPN	2022
5:59.22	GIULIO DIVANO	ITA	2011	1:31.77	MASARU SHINKAI	JPN	2021	3:25.47	ROBERTO ALBERICHE	ESP	2013
6:00.25	WERNER SCHNABEL	GER	2016	1:31.80	TONY GOODWIN	AUS	2017	3:25.95	JOAQUIN MENDOZA	ESP	2021
6:03.16	TOSABURO HOSOKAWA	JPN	2015	1:31.84	BELA FABIAN	HUN	2017	400 M. I.M.			
6:04.46	LAURI MALK	FIN	2017	1:35.96	ZENJI NAKAHARI	JPN	2008	6:58.11	GIULIO DIVANO	ITA	2011
6:04.51	JOAQUIN CANALES	ESP	2020	1:36.60	TETSUO NAKAMARU	JPN	2015	7:09.74	IKURO SHIMONO	JPN	2017
6:11.38	WILLIAM LETCH	GBR	2020	1:36.79	DAVID COSTILL	USA	2016	7:12.09	MASARU SHINKAI	JPN	2022
6:12.87	BURWELL JONES	USA	2013	1:36.91	KARL HAUTER	GER	2005	7:14.71	DAVID COSTILL	USA	2016
800 M. FREE				1:37.10	HANS REICHELT	GER	2017	7:26.06	KARL HAUTER	GER	2005
11:35.71	DAVID RADCLIFF	USA	2014	1:37.30	SEIJI KOMAKI	JPN	2022	7:27.87	JOAQUIN CANALES	ESP	2020
12:43.58	BURWELL JONES	USA	2013	1:38.11	TSUTOMU KAJIHARA	JPN	2013	7:31.47	JOHN COCKS	AUS	2016
				200 M. BRST				7:33.77	WILLIAM LAUER	USA	2014

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7:35.40	JOAQUIN MENDOZA	ESP	2021	41.75	CLARKE MITCHELL	USA	2017	100 M. FLY			
7:35.70	ALFRED SEEGER	GER	2020	43.30	YOSHI OYAKAWA	USA	2018	1:49.41	JOHN COCKS	AUS	2022

M E N 85-89											

50	M. FREE			43.80	GORO KOBAYASHI	JPN	2001	1:51.51	LAURI MALK	FIN	2022
32.23	ROBERTO ALBERICHE	ESP	2016	43.83	ROBERTO ALBERICHE	ESP	2016	1:52.03	TAKASHI HAYASHI	JPN	2018
34.48	JEFF FARRELL	USA	2022	44.47	ERIK FORSLUND	SWE	2022	1:53.78	THOMAS MAINE	USA	2010
34.54	KEIJIRO NAKAMURA	JPN	2008	45.02	DAVID COSTILL	USA	2021	1:54.07	FRANK PIEMME	USA	2010
35.38	TSUTOMU HAYASHI	JPN	2021	45.53	SHOICHI SHIDA	JPN	2012	2:01.65	ANDREW HOLDEN	USA	2004
36.05	LAURI MALK	FIN	2022	45.82	YOSHIAKI ISHIZU	JPN	2019	2:04.50	WALT PFEIFFER	USA	1998
36.21	AL WORTH	USA	2021	45.89	JOHN COCKS	AUS	2022	2:06.70	FRANK TANNER	USA	2016
36.26	FRANK PIEMME	USA	2010	100 M. BACK				2:11.49	KARL HAUTER	GER	2012
36.31	TOSHIMI INATOMI	JPN	2011	1:28.98	KEIJIRO NAKAMURA	JPN	2008	2:13.39	ALDO DA ROSA	USA	2002
36.47	H.TAKAHASHI	JPN	2022	1:32.98	CLARKE MITCHELL	USA	2017	200 M. FLY			
36.51	WILLARD LAMB	USA	2007	1:39.04	DAVID COSTILL	USA	2021	4:12.21	THOMAS MAINE	USA	2010
100	M. FREE			1:39.08	GORO KOBAYASHI	JPN	2002	4:27.43	LAURI MALK	FIN	2022
1:14.68	ROBERTO ALBERICHE	ESP	2016	1:40.25	TOSHIJI SATO	JPN	2000	4:28.53	JOHN COCKS	AUS	2022
1:19.42	KEIJIRO NAKAMURA	JPN	2008	1:41.93	ROBERTO ALBERICHE	ESP	2016	4:49.10	WALT PFEIFFER	USA	1998
1:20.73	JEFF FARRELL	USA	2022	1:42.84	KARL HAUTER	GER	2010	4:57.51	SERHII SIMANKOV	UKR	2019
1:22.97	DAVID A RADCLIFF	USA	2019	1:43.44	MAMPEI SEINO	JPN	2018	5:01.50	PAUL KRUP	USA	2002
1:23.20	JIM EUBANK	USA	2000	1:43.86	DOUGLAS ALPINO	BRA	2022	5:05.95	FRANK TANNER	USA	2016
1:24.08	HIROSHI MATSUMOTO	JPN	2022	1:44.61	ERIK FORSLUND	SWE	2022	5:07.49	TAKASHI HAYASHI	JPN	2019
1:24.14	H.TAKAHASHI	JPN	2022	200 M. BACK				5:15.25	PAUL HUTINGER	USA	2009
1:24.32	ROD BAKER	AUS	2013	3:18.29	KEIJIRO NAKAMURA	JPN	2008	5:22.73	SAUL BIRMAN	BRA	2019
1:24.94	AL WORTH	USA	2021	3:37.45	GORO KOBAYASHI	JPN	2002	100 M. I.M.			
1:25.28	FRANK PIEMME	USA	2010	3:40.17	DAVID COSTILL	USA	2021	1:32.47	HEINZ SIEGEL	GER	2003
1:25.28	WILLARD LAMB	USA	2007	3:43.51	E.NODENSCHNEIDER	FRA	2022	1:34.39	ROBERTO ALBERICHE	ESP	2016
200	M. FREE			3:44.49	LAURI MALK	FIN	2022	1:39.42	IKURO SHIMONO	JPN	2022
2:53.91	ROBERTO ALBERICHE	ESP	2017	3:45.86	JOHN COCKS	AUS	2022	1:40.50	YOSHINAO KAMEI	JPN	2018
3:03.23	DAVID A RADCLIFF	USA	2019	3:48.13	MAMPEI SEINO	JPN	2018	1:40.78	KARL HAUTER	GER	2010
3:06.74	WERNER SCHNABEL	GER	2022	3:49.41	CLARKE MITCHELL	USA	2019	1:40.79	JOHN COCKS	AUS	2022
3:08.23	IKURO SHIMONO	JPN	2022	3:55.12	WILLARD LAMB	USA	2008	1:41.31	CLARKE MITCHELL	USA	2018
3:08.73	LAURI MALK	FIN	2022	3:55.84	V.MESHCERYAKOV	RUS	2019	1:42.41	FRANK PIEMME	USA	2010
3:09.31	H.TAKAHASHI	JPN	2022	50 M. BRST				1:44.50	HANS REICHEL	GER	2021
3:11.42	WALLIE JEFFRIES	USA	2016	44.47	TOSHIO TAJIMA	JPN	2010	1:45.25	BELA FABIAN	HUN	2022
3:12.85	WILLARD LAMB	USA	2007	45.05	HANS REICHEL	GER	2021	200 M. I.M.			
3:13.45	JIM EUBANK	USA	2000	45.48	TONY GOODWIN	AUS	2022	3:36.41	JOHN COCKS	AUS	2022
3:13.64	JEFF FARRELL	USA	2022	46.16	HIROFUMI HOSOTANI	JPN	2021	3:40.03	IKURO SHIMONO	JPN	2022
400	M. FREE			46.24	TETSUO NAKAMARU	JPN	2022	3:41.83	JAMES B ZURCHER	USA	2019
6:27.44	DAVID A RADCLIFF	USA	2019	46.44	MIKHAIL FARAFONOV	RUS	2022	3:48.20	YOSHINAO KAMEI	JPN	2018
6:30.16	ROBERTO ALBERICHE	ESP	2016	47.12	SHUNZO YAMANAKA	JPN	2017	3:48.34	KARL HAUTER	GER	2010
6:53.90	WALLIE JEFFRIES	USA	2016	47.24	FRANK PIEMME	USA	2010	3:50.46	FRANK PIEMME	USA	2010
6:56.12	ROD BAKER	AUS	2013	47.53	KARL HAUTER	GER	2012	3:54.61	THOMAS MAINE	USA	2010
6:56.90	WERNER SCHNABEL	GER	2022	47.66	Y.KAWABATA	JPN	2010	3:56.64	BOB BEST	USA	2017
6:58.70	KATSURA SUZUKI	JPN	2016	100 M. BRST				4:02.22	HIROSHI IMAIZUMI	JPN	2010
7:00.77	GRAHAM JOHNSTON	USA	2016	1:40.70	TONY GOODWIN	AUS	2022	4:05.18	FRANK TANNER	USA	2016
7:08.79	NOBUMOTO TANAKA	JPN	2022	1:42.69	HANS REICHEL	GER	2021	400 M. I.M.			
7:10.66	JOEL LOCKWOOD	USA	2019	1:43.72	KARL HAUTER	GER	2010	7:58.08	JOHN COCKS	AUS	2022
7:13.19	WILLARD LAMB	USA	2009	1:46.07	IWAO NARUSE	JPN	2017	8:12.94	THOMAS MAINE	USA	2010
800	M. FREE			1:47.12	PATRICK GALVIN	AUS	2018	8:32.50	FRANK PIEMME	USA	2010
13:20.46	DAVID A RADCLIFF	USA	2019	1:47.97	TOSHIO TAJIMA	JPN	2010	8:46.73	YOSHINAO KAMEI	JPN	2018
14:04.48	WILLARD LAMB	USA	2008	1:48.57	SHUNSAKU TAKAHIRA	JPN	2019	9:01.55	FRANK TANNER	USA	2016
14:28.42	JOEL LOCKWOOD	USA	2019	1:49.22	JOHN COCKS	AUS	2022	9:02.62	LAURI MALK	FIN	2022
14:31.82	KATSURA SUZUKI	JPN	2016	1:49.53	HIROFUMI HOSOTANI	JPN	2021	9:32.65	WALT PFEIFFER	USA	1998
14:42.22	GRAHAM JOHNSTON	USA	2016	1:49.77	Y.KASHIKAWA	JPN	2019	9:36.09	ANDREW HOLDEN	USA	2004
14:51.31	WERNER SCHNABEL	GER	2022	200 M. BRST				9:48.58	JURGEN SCHMIDT	USA	2008
15:01.45	ROD BAKER	AUS	2013	3:44.36	TONY GOODWIN	AUS	2022	9:52.69	CHRISTOPHER SMITH	CAN	2017
15:03.26	JURGEN SCHMIDT	USA	2008	3:54.97	JOHN COCKS	AUS	2022	*****			
15:05.68	HIROSHI IMAIZUMI	JPN	2010	3:55.98	HANS REICHEL	GER	2022	M E N 90-94			
15:15.07	FRANK PIEMME	USA	2010	3:59.91	SHUNSAKU TAKAHIRA	JPN	2017	*****			
1500	M. FREE			4:04.89	PATRICK GALVIN	AUS	2018	50	M. FREE		
25:18.19	DAVID A RADCLIFF	USA	2019	4:05.91	FRANK PIEMME	USA	2010	40.93	TOSHIMI INATOMI	JPN	2016
27:28.24	KATSURA SUZUKI	JPN	2016	4:09.55	CLAUDIO NEGRI	ITA	2022	41.07	WOODY BOWERSOCK	USA	2003
27:57.05	LAURI MALK	FIN	2022	4:10.04	IWAO NARUSE	JPN	2018	42.60	GORO KOBAYASHI	JPN	2006
28:07.33	JOEL LOCKWOOD	USA	2019	4:13.03	THOMAS MAINE	USA	2010	42.69	WILLARD LAMB	USA	2013
28:07.95	GRAHAM JOHNSTON	USA	2016	4:15.02	KARL HAUTER	GER	2014	42.76	GEORGE CORONES	AUS	2009
28:17.36	WILLARD LAMB	USA	2008	50 M. FLY				42.93	TOKUSHI KOMEDA	JPN	2004
29:16.62	JURGEN SCHMIDT	USA	2008	41.08	ROBERTO ALBERICHE	ESP	2016	43.18	KARL HAUTER	GER	2015
29:53.03	JOHN COCKS	AUS	2022	43.35	MAX VON ISSER	USA	2004	43.89	KAZUNAGA AKUTSU	JPN	2002
29:55.69	JIM EUBANK	USA	2000	44.10	TOSHIO TAJIMA	JPN	2010	43.91	ISAMU TAMURA	JPN	2009
30:17.44	ROBERT BEACH	USA	2015	44.69	TAMON YOSHIDA	JPN	2011	44.48	KLAUS BECK	GER	2017
50	M. BACK			44.93	TAKASHI HAYASHI	JPN	2018	100	M. FREE		
40.59	KEIJIRO NAKAMURA	JPN	2009	45.36	CLARKE MITCHELL	USA	2017	1:35.17	KARL HAUTER	GER	2015
				45.50	FRANK PIEMME	USA	2010	1:38.38	KATSURA SUZUKI	JPN	2022
				46.49	JOHN COCKS	AUS	2022	1:39.26	WOODY BOWERSOCK	USA	2003
				46.98	IKURO SHIMONO	JPN	2022	1:39.27	WILLARD LAMB	USA	2014
				47.01	CURT ZEISS	GER	2016				

WORLD AQUATICS MASTERS TOP10 - SHORT COURSE METERS - ALL TIME (1986-2022)



1:41.47	TOKUSHI KOMEDA	JPN	2004	4:20.68	R.REINSTADTLER	GER	2002	2:16.67	R.REINSTADTLER	GER	2002
1:45.28	GORO KOBAYASHI	JPN	2007	4:25.14	JOHN MERRILL	USA	2007	2:18.93	ALDO CAPUTI	ITA	2005
1:45.44	GEORGE CORONES	AUS	2009	4:29.54	NILS FERM	SWE	2007	200 M. I.M.			
1:46.82	M.YOSHIZAWA	JPN	2022	4:40.10	CHRIS SMITH	CAN	2022	4:17.75	KARL HAUTER	GER	2016
1:47.51	MASAHISA KANEKO	JPN	2002	4:40.34	THOMAS MAINE	USA	2015	4:36.45	THOMAS MAINE	USA	2016
1:47.70	STEVE CARLSON	USA	2009	4:45.91	ROGERS HOLMES	USA	2011	4:42.02	JAN ZIEGLER	CZE	2015
200 M. FREE				4:47.45	WOODY BOWERSOCK	USA	2003	5:13.24	WALT PFEIFFER	USA	2003
3:27.14	KARL HAUTER	GER	2016	4:47.65	KAIZO WATANABE	JPN	2013	5:21.93	JURGEN SCHMIDT	USA	2013
3:39.65	TOKUSHI KOMEDA	JPN	2004	50 M. BRST				5:34.52	CHRIS SMITH	CAN	2022
3:42.75	KATSURA SUZUKI	JPN	2022	49.58	TOSHIO TAJIMA	JPN	2015	6:10.00	JOHN HARRISON	GBR	2004
3:46.17	WILLARD LAMB	USA	2014	51.67	Y.KAWABATA	JPN	2015	7:18.74	ROMAN JEZEK	CAN	2004
3:48.53	GORO KOBAYASHI	JPN	2007	51.68	KARL HAUTER	GER	2015	7:28.79	BILL WALKER	AUS	2019
3:58.06	CHRIS SMITH	CAN	2022	53.23	HEINZ JAHR	GER	1997	7:32.22	EUGENE LEHMAN	CAN	2004
3:59.28	WOODY BOWERSOCK	USA	2003	55.68	HIROMU YOSHIMOTO	JPN	2005	400 M. I.M.			
4:01.58	JURGEN SCHMIDT	USA	2013	57.91	C-H DE MUNIZAGA	GER	2021	9:39.56	THOMAS MAINE	USA	2015
4:03.31	STEVE CARLSON	USA	2009	58.39	TAKESHI YASUKAWA	JPN	2013	11:15.65	WALT PFEIFFER	USA	2003
4:13.88	JAMES TAR	BRA	2014	58.72	ISAMU TAMURA	JPN	2009	15:21.15	ROBERT DOUD	USA	2013
400 M. FREE				58.80	JAN ZIEGLER	CZE	2015	15:45.53	EUGENE LEHMAN	CAN	2003
7:16.90	KATSURA SUZUKI	JPN	2021	59.79	C.DE MUNIZAGA	GER	2022	17:59.19	BILL REEDER	USA	2000
7:44.83	WILLARD LAMB	USA	2014	100 M. BRST				*****			
7:51.75	KARL HAUTER	GER	2017	1:56.64	KARL HAUTER	GER	2015	M E N 95-99			
8:29.29	CHRIS SMITH	CAN	2022	2:15.14	HIROMU YOSHIMOTO	JPN	2005	*****			
8:32.09	JURGEN SCHMIDT	USA	2013	2:18.92	HARUO FUKATSU	JPN	2022	50 M. FREE			
8:50.65	GUS LANGNER	USA	1993	2:21.07	GUILHERME SILVA	BRA	2018	45.47	WILLARD LAMB	USA	2017
8:52.99	STEVE CARLSON	USA	2009	2:23.92	RUSS WITTE	USA	2008	47.16	GEORGE CORONES	AUS	2013
9:05.71	JOHN MERRILL	USA	2007	2:32.59	SEITA INAYOSHI	JPN	2013	47.45	TOSHIMI INATOMI	JPN	2021
9:05.85	JAMES DETAR	BRA	2014	2:32.84	ALBERT H WOODS	USA	2019	55.08	KAZUNAGA AKUTSU	JPN	2007
9:07.28	EDWARD HOY	GBR	2018	2:32.87	MASAHISA KANEKO	JPN	2002	55.41	YOSHIRO OBATA	JPN	2018
800 M. FREE				2:33.12	GEORGE CORONES	AUS	2008	57.57	GUS LANGNER	USA	1998
16:04.18	WILLARD LAMB	USA	2014	2:33.34	DENZO WAKAYAMA	JPN	2016	1:00.40	R.REINSTADTLER	GER	2007
17:14.92	CHRIS SMITH	CAN	2022	200 M. BRST				1:00.42	KAIZO WATANABE	JPN	2018
18:13.98	JURGEN SCHMIDT	USA	2013	4:21.52	KARL HAUTER	GER	2016	1:00.56	K.MROWCZYNSKI	POL	2017
18:36.25	NILS FERM	SWE	2008	4:59.71	HIROMU YOSHIMOTO	JPN	2005	1:01.65	GERSON SOBEL	USA	2005
18:49.01	AUSTIN NEWMAN	USA	2005	5:19.20	THOMAS MAINE	USA	2015	100 M. FREE			
19:06.71	EDWARD HOY	GBR	2018	5:32.15	DENZO WAKAYAMA	JPN	2015	1:02.61	SEBASTIAO SANTOS	BRA	2017
19:19.87	JAMES TAR	BRA	2014	5:32.73	GEORGE CORONES	AUS	2009	1:47.23	WILLARD LAMB	USA	2017
19:29.43	IZUMI MATSUDA	JPN	2015	5:35.74	MASAHISA KANEKO	JPN	2003	1:54.60	GEORGE CORONES	AUS	2013
19:31.83	WOODY BOWERSOCK	USA	2003	5:37.31	JURGEN SCHMIDT	USA	2013	2:03.99	YOSHIRO OBATA	JPN	2018
19:35.25	D.CASOLINO	ITA	2018	5:44.96	RUSS WITTE	USA	2008	2:09.32	KAZUNAGA AKUTSU	JPN	2007
1500 M. FREE				5:46.96	E OLE LARSON	USA	2011	2:19.51	GUS LANGNER	USA	1998
30:12.33	KATSURA SUZUKI	JPN	2022	5:47.17	SEITA INAYOSHI	JPN	2013	2:31.62	JARING TIMMERMAN	CAN	2004
30:41.82	WILLARD LAMB	USA	2014	50 M. FLY				2:31.83	HUGH MCGREGOR	CAN	2014
32:35.69	CHRIS SMITH	CAN	2022	54.10	C-H DE MUNIZAGA	GER	2021	2:33.97	ALFRED SCHULHOF	CAN	2014
35:20.36	AUSTIN NEWMAN	USA	2005	54.38	TOSHIO TAJIMA	JPN	2015	2:34.73	JURGEN SCHMIDT	USA	2018
35:45.97	JURGEN SCHMIDT	USA	2014	56.09	WALT PFEIFFER	USA	2003	200 M. FREE			
36:10.67	EDWARD HOY	GBR	2018	59.45	GUILHERME SILVA	BRA	2018	3:56.49	WILLARD LAMB	USA	2017
38:17.40	NILS FERM	SWE	2007	1:00.39	KARL HAUTER	GER	2015	5:13.46	GUS LANGNER	USA	1998
38:53.33	HUGH MCGREGOR	CAN	2009	1:00.40	JAN ZIEGLER	CZE	2015	5:22.99	JUAN FRANCISCO	ESP	2022
39:27.89	JAMES TAR	BRA	2014	1:00.50	HEINZ JAHR	GER	1997	5:29.49	ALFRED SCHULHOF	CAN	2014
39:33.78	WOODY BOWERSOCK	USA	2004	1:04.99	THOMAS MAINE	USA	2015	5:40.43	K.MROWCZYNSKI	POL	2017
50 M. BACK				1:07.00	ALDO CAPUTI	ITA	2005	5:42.47	ALFREDO CHERCHI	AUS	2002
52.49	GORO KOBAYASHI	JPN	2008	1:07.88	GORO UEDA	JPN	2016	5:46.73	HUGH MCGREGOR	CAN	2014
53.24	R.REINSTADTLER	GER	2002	100 M. FLY				5:55.45	JOHN HARRISON	GBR	2009
53.32	TOSHIJI SATO	JPN	2005	2:16.78	GUILHERME SILVA	BRA	2018	6:04.86	JAMES TAR	BRA	2021
53.37	K.KLAUSTERMEYER	GER	2018	2:21.82	WALT PFEIFFER	USA	2003	6:25.40	JEAN LEEMPUT	FRA	2010
53.85	KAIZO WATANABE	JPN	2013	2:23.21	KARL HAUTER	GER	2015	400 M. FREE			
54.50	ZAVEN BOGHOSIAN	BRA	2017	2:24.00	THOMAS MAINE	USA	2015	8:13.42	WILLARD LAMB	USA	2017
54.81	ANTON BIEDERMANN	BRA	2014	2:41.14	ALDO CAPUTI	ITA	2005	10:39.55	JUAN FRANCISCO	ESP	2022
55.25	JOHN MERRILL	USA	2007	3:40.42	ROBERT DOUD	USA	2013	10:51.93	GUS LANGNER	USA	1998
55.30	JAN ZIEGLER	CZE	2015	4:25.80	EUGENE LEHMAN	CAN	2003	12:08.80	HUGH MCGREGOR	CAN	2014
55.47	KAZUNAGA AKUTSU	JPN	2003	4:50.20	BILL REEDER	USA	2001	12:24.23	JOHN HARRISON	GBR	2009
100 M. BACK				200 M. FLY				16:31.48	EUGENE LEHMAN	CAN	2008
1:47.66	GORO KOBAYASHI	JPN	2006	5:24.08	THOMAS MAINE	USA	2015	20:44.35	WERNER KELLER	SUI	2019
1:58.27	TOSHIJI SATO	JPN	2005	5:37.23	WALT PFEIFFER	USA	2003	800 M. FREE			
1:58.74	KARL HAUTER	GER	2015	8:21.40	ROBERT DOUD	USA	2013	16:56.22	WILLARD LAMB	USA	2017
1:59.76	WILLARD LAMB	USA	2013	9:14.77	EUGENE LEHMAN	CAN	2003	22:05.55	GUS LANGNER	USA	1998
2:00.03	JOHN MERRILL	USA	2007	100 M. I.M.				22:48.37	JUAN FRANCISCO	ESP	2022
2:00.25	R.REINSTADTLER	GER	2002	1:53.75	KARL HAUTER	GER	2015	32:46.93	EUGENE LEHMAN	CAN	2008
2:05.53	KAIZO WATANABE	JPN	2014	2:01.30	JAN ZIEGLER	CZE	2015	42:14.70	WERNER KELLER	SUI	2019
2:05.76	NILS FERM	SWE	2009	2:08.35	THOMAS MAINE	USA	2015	1500 M. FREE			
2:06.00	WOODY BOWERSOCK	USA	2003	2:08.86	TOKUSHI KOMEDA	JPN	2004	31:56.67	WILLARD LAMB	USA	2017
2:09.05	MASAHISA KANEKO	JPN	2003	2:09.51	C.DE MUNIZAGA	GER	2022	41:29.87	GUS LANGNER	USA	1998
200 M. BACK				2:13.60	GOTTFRIED KLARING	GER	2022	50 M. BACK			
3:59.25	GORO KOBAYASHI	JPN	2007	2:14.23	WALT PFEIFFER	USA	2003	55.60	WILLARD LAMB	USA	2017
4:17.86	WILLARD LAMB	USA	2014	2:15.51	JURGEN SCHMIDT	USA	2013				

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1:01.25	KAZUNAGA AKUTSU	JPN	2007	9:50.55	WALTER PFEIFFER	USA	2008
1:03.77	HORVATH BANKI	HUN	2015	10:39.89	ROBERT DOUD	USA	2018
1:05.82	ALFRED SCHULHOF	CAN	2014	400 M. I.M.			
1:06.23	GORO KOBAYASHI	JPN	2011	21:03.17	WALTER PFEIFFER	USA	2008
1:09.22	TOSHIJI SATO	JPN	2012	*****			
1:10.42	NORI YAMAMOTO	JPN	2004	M E N 100-104			
1:12.83	JEAN LEEMPUT	FRA	2010	*****			
1:13.45	JOHN HARRISON	GBR	2009	50 M. FREE			
1:17.47	JURGEN SCHMIDT	USA	2018	55.75	GEORGE CORONES	AUS	2018
100 M. BACK				57.81	WILLARD J LAMB	USA	2022
2:04.72	WILLARD LAMB	USA	2017	1:03.15	HIDEKAZU TAMURA	JPN	2020
2:21.73	TOSHIJI SATO	JPN	2010	1:16.92	JARING TIMMERMAN	CAN	2009
2:23.12	KAZUNAGA AKUTSU	JPN	2007	1:27.67	JOHN HARRISON	GBR	2014
2:25.92	GORO KOBAYASHI	JPN	2012	1:32.43	JEAN LEEMPUT	FRA	2014
2:29.49	HORVATH BANKI	HUN	2015	2:06.66	TOM LANE	USA	1995
2:33.97	ALFRED SCHULHOF	CAN	2014	2:07.41	HANS HAHN	GER	2008
2:43.41	JEAN LEEMPUT	FRA	2010	100 M. FREE			
2:46.68	JOHN HARRISON	GBR	2009	2:13.96	WILLARD J LAMB	USA	2022
2:56.67	RUSS WITTE	USA	2011	2:19.02	GEORGE CORONES	AUS	2018
3:05.23	NORI YAMAMOTO	JPN	2005	3:02.22	JARING TIMMERMAN	CAN	2009
200 M. BACK				3:27.79	JOHN HARRISON	GBR	2014
4:24.83	WILLARD LAMB	USA	2017	4:32.29	TOM LANE	USA	1995
5:29.49	ALFRED SCHULHOF	CAN	2014	200 M. FREE			
6:18.51	JOHN HARRISON	GBR	2009	4:50.84	WILLARD J LAMB	USA	2022
6:37.28	B.BANKI-HORVATH	HUN	2017	400 M. FREE			
6:57.37	F.BETANCOR	ESP	2021	10:05.73	WILLARD J LAMB	USA	2022
7:01.87	ALFREDO CHERCHI	AUS	2002	800 M. FREE			
8:32.34	GUS LANGNER	USA	1998	20:23.87	WILLARD J LAMB	USA	2022
9:31.21	BILL REEDER	USA	2005	1500 M. FREE			
9:50.56	WERNER KELLER	SUI	2019	38:32.90	WILLARD J LAMB	USA	2022
50 M. BRST				50 M. BACK			
1:07.12	HIROMU YOSHIMOTO	JPN	2010	1:07.11	WILLARD J LAMB	USA	2022
1:09.34	GEORGE CORONES	AUS	2013	1:26.68	JEAN LEEMPUT	FRA	2014
1:11.36	ALFRED SCHULHOF	CAN	2014	1:45.59	JARING TIMMERMAN	CAN	2009
1:13.72	RUSS WITTE	USA	2011	2:02.52	TOM LANE	USA	1995
1:16.93	JAN HOEG	NOR	2018	2:09.37	HANS HAHN	GER	2008
1:17.30	K.MROWCZYNSKI	POL	2017	4:17.99	NOBUO OTSUKI	JPN	2007
1:22.80	KAZUNAGA AKUTSU	JPN	2007	100 M. BACK			
1:28.78	HORVATH BANKI	HUN	2015	2:24.84	WILLARD J LAMB	USA	2022
1:31.50	ROMAN JEZEK	CAN	2009	3:26.09	JEAN LEEMPUT	FRA	2014
1:31.60	GUS LANGNER	USA	1998	3:39.53	JOHN HARRISON	GBR	2014
100 M. BRST				3:51.54	JARING TIMMERMAN	CAN	2009
2:31.77	HIROMU YOSHIMOTO	JPN	2010	5:01.82	HANS HAHN	GER	2008
2:43.30	GEORGE CORONES	AUS	2013	200 M. BACK			
3:01.83	ALFRED SCHULHOF	CAN	2014	5:09.10	WILLARD J LAMB	USA	2022
3:03.57	RUSS WITTE	USA	2011	50 M. BRST			
3:24.92	ROMAN JEZEK	CAN	2009	1:20.78	GEORGE CORONES	AUS	2018
3:35.33	GUS LANGNER	USA	1998	1:52.04	WILLARD J LAMB	USA	2022
3:37.75	B.BANKI-HORVATH	HUN	2016	*****			
4:07.54	JACK MATHESON	AUS	2013	M E N 105-109			
4:29.87	WERNER KELLER	SUI	2019	*****			
4:58.99	DONALD J HUBBARD	USA	2022	50 M. FREE			
200 M. BRST				2:52.48	JARING TIMMERMAN	CAN	2014
5:45.70	HIROMU YOSHIMOTO	JPN	2010	50 M. BACK			
6:05.88	GEORGE CORONES	AUS	2013	3:09.55	JARING TIMMERMAN	CAN	2014
6:14.84	RUSS WITTE	USA	2011				
7:29.31	GUS LANGNER	USA	1998				
8:00.06	ROMAN JEZEK	CAN	2009				
8:27.21	B.BANKI-HORVATH	HUN	2016				
9:39.67	WERNER KELLER	SUI	2019				
9:49.33	DONALD J HUBBARD	USA	2022				
50 M. FLY							
1:35.76	ALDO CAPUTI	ITA	2010				
2:02.24	ROBERT DOUD	USA	2018				
3:02.06	EUGENE LEHMAN	CAN	2008				
100 M. FLY							
5:36.78	ROBERT DOUD	USA	2018				
6:04.41	WALTER PFEIFFER	USA	2008				
200 M. FLY							
11:08.68	ROBERT DOUD	USA	2018				
100 M. I.M.							
2:39.39	WILLARD LAMB	USA	2017				
3:33.98	GUS LANGNER	USA	1998				
5:45.94	BILL REEDER	USA	2005				
200 M. I.M.							