

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



*****				29.88	ORSOLYA TOMPA	HUN	2017	1:00.11	GIADA CANAVESI	ITA	2019
WOMEN 25-29				29.89	JING ZHAO	CHN	2019	1:01.04	RACHEL KOMISARZ	USA	2001
*****				30.01	ANJA VAN DER HOUT	NED	2015	1:01.40	HANNAH SAIZ	USA	2017
50	M.	FREE		30.03	AMEL MELIH	ALG	2019	1:01.93	EMMA GAGE	GBR	2015
25.42	ANNABEL KOSTEN	NED	2004	30.07	CAROLINA COLORADO	COL	2016	1:02.10	B.STUDZINSKI	GER	2014
25.73	EMMA GAGE	GBR	2015	100	M. BACK			1:02.25	P.KITTIYA	THA	2019
26.09	DARYA NADZHAFOVA	UKR	2018	1:01.60	EMI MORONUKI	USA	2018	1:02.35	AI SOMA	USA	2022
26.10	JENNIFER THATER	GER	2017	1:02.91	CAROLINA COLORADO	COL	2016	1:02.57	CAROLINA COLORADO	COL	2016
26.16	TATIANA BARBOSA	BRA	2007	1:03.26	YURIE OGA	JPN	2014	200	M. FLY		
26.20	ALISON SHEPPARD	GBR	1998	1:04.82	AKIKO MIZUMOTO	JPN	2007	2:15.02	HANNAH SAIZ	USA	2017
26.27	AMEL MELIH	ALG	2019	1:04.86	VALENTINA CATANIA	ITA	2021	2:16.82	KIM VAN KRUYSEN	BEL	2000
26.31	FANNI PATAKI	HUN	2019	1:04.88	KANA OHASHI	JPN	2007	2:17.41	KIE KANEKO	JPN	2022
26.33	AI SOMA	USA	2022	1:05.02	ALISON SHEPPARD	GBR	1998	2:17.51	SHEILA TAORMINA	USA	1996
26.38	RIENEKE TERINK	NED	2013	1:05.16	FANNY BORER	SUI	2022	2:17.56	YUKO NAKANISHI	JPN	2010
100	M.	FREE		1:05.18	G.WOJTOWICZ	POL	2022	2:17.79	P.KITTIYA	THA	2019
56.87	TATIANA BARBOSA	BRA	2007	1:05.44	AFRODITI GIARENI	GRE	2022	2:18.69	S.PALMERWHITE	AUS	1992
56.96	EMMA GAGE	GBR	2015	200	M. BACK			2:18.77	FANNY BORER	SUI	2022
57.70	DANIELA SCHREIBER	GER	2016	2:13.19	EMI MORONUKI	USA	2018	2:18.80	CHIZUKO UMIGUCHI	JPN	1997
57.70	LAURA FERNANDEZ	ESP	2015	2:15.03	CAROLINA COLORADO	COL	2016	2:20.61	LISA STAMM	SUI	2017
57.71	AIMEE RAMM	GBR	2008	2:17.30	KANA OHASHI	JPN	2007	200	M. I.M.		
57.74	JENNIFER THATER	GER	2019	2:17.56	SOPHIE CASSON	GBR	2011	2:19.65	MARGOT JANDEL	GER	2003
57.76	SHEILA TAORMINA	USA	1995	2:19.56	FANNY BORER	SUI	2022	2:20.71	HITOMI MATSUDA	JPN	2005
58.06	AMEL MELIH	ALG	2019	2:19.97	DIANE GRANER	USA	1989	2:21.84	SVETLANA KARPEEVA	RUS	2012
58.18	NADINE JONES	AUS	2016	2:20.76	MONIQUE RODAHL	NZL	1989	2:21.98	ALLISON WAGNER	USA	2005
58.20	HITOMI FUKUDA	JPN	2022	2:20.88	ALISON SHEPPARD	GBR	1998	2:22.00	SHARRON DAVIES	GBR	1990
200	M.	FREE		2:22.41	LIA OBERSTAR	USA	2004	2:22.57	B.STUDZINSKI	GER	2014
2:02.06	SHEILA TAORMINA	USA	1996	2:23.12	LEONIE VAN NOORT	NED	2018	2:22.89	MONIQUE RODAHL	NZL	1989
2:02.44	RACHEL KOMISARZ	USA	2001	50	M. BRST			2:22.92	BRITTA O'LEARY	USA	2013
2:04.06	MARIA ALVAREZ	COL	2016	31.60	MEGAN JENDRICK	USA	2010	2:23.39	RACHEL RIPLEY	USA	2019
2:04.56	MEGAN JENDRICK	USA	2010	32.01	S.SEMINATORE	ITA	1989	2:23.51	AFRODITI GIARENI	GRE	2022
2:05.41	AISHA THORNTON	GBR	2016	32.03	ANNA KUZMICHEVA	RUS	2015	400	M. I.M.		
2:05.79	CAROLINE SAXBY	GBR	2012	32.65	NICOLE HEIDEMANN	GER	2009	4:59.94	SABRINA MARZAHN	GER	2016
2:05.81	MARINA HANSEN	DEN	2019	32.68	MONICA ALVAREZ	COL	2016	5:02.78	HITOMI MATSUDA	JPN	2006
2:06.21	P.KITTIYA	THA	2019	32.75	YOSHIMI MIWA	JPN	2012	5:04.78	FANNY BORER	SUI	2022
2:06.33	CAROLINE CAVADINI	BEL	2016	32.79	MANUELA NACKEL	GER	2000	5:04.80	ANNA SPIETZACK	GER	2015
2:06.37	KIM VAN KRUYSEN	BEL	2000	32.83	SONJA SCHOBER	GER	2012	5:05.29	SHARRON DAVIES	GBR	1990
400	M.	FREE		33.01	RACHAEL WILSON	GBR	2016	5:06.34	SARA L SHAND	USA	1989
4:13.03	SHEILA TAORMINA	USA	1996	33.02	ZUZANA MIMOVICOVA	SVK	2017	5:06.37	V.KOLNIKOVA	SVK	2018
4:16.31	RACHEL KOMISARZ	USA	2001	33.02	SUVI PULKKINEN	FIN	2016	5:07.04	MARIANGEL HIDALGO	CRC	2014
4:17.93	MARIA ALVAREZ	COL	2016	100	M. BRST			5:07.27	MAREN SPIETZACK	GER	2015
4:18.62	SOPHIE CASSON	GBR	2011	1:10.56	MEGAN JENDRICK	USA	2010	5:07.87	MARISSA CLAPP	USA	2015
4:21.89	SWANN OBERSON	GER	2012	1:10.63	RACHAEL WILSON	GBR	2016	*****			
4:22.53	AISHA THORNTON	GBR	2016	1:12.09	BRIGITTE BECUE	BEL	2000	WOMEN 30-34			
4:23.18	C.OESTRINGER	SUI	2016	1:12.34	MONICA ALVAREZ	COL	2016	*****			
4:23.62	CATHERINE BREED	USA	2022	1:12.37	NICOLE HEIDEMANN	GER	2011	50	M. FREE		
4:23.81	NADINE REICHERT	GER	2009	1:12.39	SIBYLLE GRANICHER	SUI	2020	25.74	MARTINA MORAVCOVA	USA	2009
4:24.11	SILVIA VIDA	GER	2003	1:12.65	HITOMI MATSUDA	JPN	2006	25.99	TONI JEFFS	NZL	2002
800	M.	FREE		1:12.91	LOUISE DALGAARD	DEN	2018	26.02	IRINA SHLEMOVA	RUS	2015
8:45.89	SWANN OBERSON	GER	2012	1:13.02	ELISA CELLI	ITA	2019	26.12	S.KNYAGININA	RUS	2015
8:47.44	RACHEL KOMISARZ	USA	2001	1:13.03	ZUZANA MIMOVICOVA	SVK	2017	26.18	KATRINA RADKE	USA	2004
8:51.00	MARIA ALVAREZ	COL	2016	200	M. BRST			26.25	ANGEL MARTINO	USA	2000
8:51.48	NADINE REICHERT	GER	2009	2:34.46	HOSOKOSHI SATORI	JPN	2022	26.29	A-L.ARASSUS	FRA	2016
8:52.65	SOPHIE CASSON	GBR	2011	2:35.46	HITOMI MATSUDA	JPN	2006	26.37	S.NEILSON-BELL	USA	1988
8:53.93	K.BISHOP	AUS	1989	2:35.82	NICOLE HEIDEMANN	GER	2009	26.38	PEGGY GROSS	USA	2002
9:03.24	AISHA THORNTON	GBR	2016	2:36.77	CHISATO KAMIYAMA	JPN	2022	26.44	SUVI PULKKINEN	FIN	2019
9:07.50	MARIA SANTAFE	COL	2016	2:37.68	ULRIKE GERNER	GER	2012	100	M. FREE		
9:11.60	ALISA FATUM	GER	2022	2:37.68	KATIE HENDERSON	GBR	2009	55.24	ERIKA ERNDL	USA	2009
9:12.58	SABRINA MARZAHN	GER	2016	2:38.21	DESIREE WEVER	GER	2019	55.62	MARTINA MORAVCOVA	USA	2008
1500	M.	FREE		2:38.22	KATJA BRASCHOS	GER	2006	56.89	N.JUNKRAJANG	THA	2019
16:34.89	SWANN OBERSON	GER	2012	2:38.28	NICOLE WEBER	GER	2022	57.09	ANGEL MARTINO	USA	2000
16:39.77	RACHEL KOMISARZ	USA	2001	2:38.52	JULIA DAMMANN	GER	2017	57.65	IRINA SHLEMOVA	RUS	2015
16:53.78	SOPHIE CASSON	GBR	2011	50	M. FLY			58.01	PASCALE VERBAUWEN	BEL	1993
17:26.88	PAULA WOOD	GBR	2007	26.32	MASAKO KUROKI	JPN	2019	58.09	SANDY NEILSON	USA	1988
17:27.96	SHEILA TAORMINA	USA	1995	26.78	AI SOMA	USA	2022	58.20	HITOMI MATSUDA	JPN	2010
17:38.09	S. PALMER-WHITE	AUS	1991	27.10	EMMA GAGE	GBR	2015	58.25	KATJA OTTO	GER	2014
17:38.78	AMY POPE	USA	1988	27.14	MAY ATEF	EGY	2019	58.30	KATY SEXTON	GBR	2012
17:41.64	LINDA GALLO	USA	2004	27.28	YUKA KATO	JPN	2015	200	M. FREE		
17:50.23	AMY LEPPING	USA	1987	27.29	ANNA POLYAKOVA	RUS	2015	2:02.35	N.JUNKRAJANG	THA	2019
17:54.78	HITOMI MATSUDA	JPN	2005	27.46	V.VLADYKINA	RUS	2015	2:04.05	DAWN HECKMAN	USA	2011
50	M.	BACK		27.55	ELZANNE WERTH	RSA	2015	2:04.62	HITOMI MATSUDA	JPN	2009
28.39	EMI MORONUKI	USA	2018	27.57	DARYA NADZHAFOVA	UKR	2018	2:05.51	VERONICA BALSANO	BRA	2019
28.99	YURIE OGA	JPN	2014	27.63	MOTOMI NAKAMURA	JPN	2013	2:05.91	CAROLINE SAXBY	AUS	2013
29.45	VALENTINA CATANIA	ITA	2022	100	M. FLY			2:05.97	SOPHIE CASSON	GBR	2017
29.60	MAI NAKAMURA	JPN	2008	59.99	ANNA POLYAKOVA	RUS	2015	2:06.80	KARLYN PIPES	USA	1996
29.73	G.WOJTOWICZ	POL	2022	1:00.07	MASAKO KUROKI	JPN	2019				

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18:09.11	CAROLINA BENEYTO	ESP	2014	28.25	ANNA DUDA	POL	2017	200 M. FREE		
18:09.36	LISA HAZEN	USA	1999	28.25	R.CRESCENTINI	ITA	2011	2:09.00	K PIPES-NEILSEN	USA 2003
18:12.11	SUSAN PAMELIA	USA	1987	28.32	TRACIE MOLL	USA	1999	2:09.78	KIRSTEN CAMERON	GBR 2016
50 M. BACK				28.35	CAROLINA SARRUF	BRA	2022	2:10.38	CINDY BERTELINK	CAN 2017
28.63	NORIKO INADA	USA	2016	28.42	IRINA SHLEMOVA	RUS	2019	2:10.47	KATIE GLENN	USA 2016
30.17	SHERI HART	USA	2010	100 M. FLY				2:10.50	S.VON DER LIPPE	USA 2007
30.47	ALENA NYVLTOVA	CZE	2017	1:02.04	CAROLINA SARRUF	BRA	2022	2:11.05	CLAUDIA POLL	CRC 2014
30.89	KANA OHASHI	JPN	2013	1:02.44	LYNNE HAYES	AUS	2009	2:11.63	BARBARA KEHBEIN	GER 2013
30.94	CARLA STAMPFLI	SUI	2022	1:03.08	ERIKA ERNDL	USA	2016	2:12.24	AMANDA PICARD	SUI 2008
31.01	KANA MORIHISA	JPN	2017	1:03.52	MELANIA BUSSIÈRE	CAN	2008	2:12.75	SUSANNE SIMPSON	USA 2002
31.11	VICTORIA READING	GBR	2022	1:03.79	TRACIE MOLL	USA	1999	2:12.77	VALERIA VERGANI	ITA 2013
31.22	MARIA RIVERA	VEN	2010	1:03.81	DANIELLE HERRMANN	USA	2022	400 M. FREE		
31.24	GISELI PEREIRA	BRA	2011	1:03.97	KRISTINA ULVELING	USA	2009	4:22.87	JANET EVANS	USA 2011
31.27	PASCALE VERBAUWEN	BEL	2001	1:04.34	K PIPES-NEILSEN	USA	1998	4:28.24	KIRSTEN CAMERON	GBR 2015
100 M. BACK				1:04.59	HITOMI MATSUDA	JPN	2014	4:28.24	K PIPES-NEILSEN	USA 2002
1:01.75	NORIKO INADA	USA	2017	1:04.91	DEBBIE YOUNGER	CAN	2005	4:34.33	AMANDA PICARD	SUI 2008
1:04.99	SHERI HART	USA	2010	200 M. FLY				4:34.33	SUSAN PRESTON	USA 2006
1:05.41	K.PIPES-NEILSEN	USA	1997	2:20.21	K.PIPES-NEILSEN	USA	1997	4:34.43	KATIE GLENN	USA 2016
1:05.58	KANA OHASHI	JPN	2013	2:20.86	CAROLINA SARRUF	BRA	2022	4:35.74	PENNY PALFREY	AUS 2002
1:06.34	KELLY HARRIGAN	USA	2019	2:22.05	HITOMI MATSUDA	JPN	2012	4:36.05	HEIDI GEORGE	USA 2018
1:06.34	GISELI PEREIRA	BRA	2011	2:22.61	ILDIKO SZEKELY	USA	2016	4:36.26	SUSAN DOMBKOWSKI	USA 2006
1:06.40	CARLA STAMPFLI	SUI	2022	2:23.78	V.HADEN-FELFOLDI	HUN	2022	4:37.57	CINDY BERTELINK	CAN 2017
1:06.91	JODY SMITH	USA	2008	2:24.86	ANNA SPIETZACK	GER	2022	800 M. FREE		
1:07.44	C.J-SPONCELLER	SWE	2010	2:26.34	CARLA BECKMANN	GER	2019	8:59.06	JANET EVANS	USA 2011
1:07.47	KANA MORIHISA	JPN	2017	2:26.36	SHEILA TAORMINA	USA	2006	9:06.86	KIRSTEN CAMERON	GBR 2015
200 M. BACK				2:26.38	LAURA B VAL	USA	1989	9:21.16	HEIDI GEORGE	USA 2017
2:18.20	K.PIPES-NEILSEN	USA	1997	2:26.71	KRISTINA ULVELING	USA	2008	9:24.77	K PIPES-NEILSEN	USA 2002
2:19.98	NORIKO INADA	USA	2017	200 M. I.M.				9:24.90	PENNY PALFREY	AUS 2002
2:20.67	KANA OHASHI	JPN	2013	2:21.09	DANIELLE HERRMANN	USA	2022	9:25.95	SUSAN PRESTON	USA 2006
2:22.07	JODY SMITH	USA	2008	2:21.47	HITOMI MATSUDA	JPN	2012	9:25.95	SUZAN HEIM-BOWEN	USA 2001
2:22.85	KELLY HARRIGAN	USA	2019	2:22.42	K.PIPES-NEILSEN	USA	1997	9:28.33	AMANDA PICARD	SUI 2008
2:22.92	SHERI HART	USA	2006	2:23.24	VERONICA BALSANO	BRA	2022	9:29.92	EMMA WILLS	GBR 2019
2:23.47	JOANNA CORBEN	GBR	2005	2:23.49	ERIKA ERNDL	USA	2016	9:30.66	VALERIA VERGANI	ITA 2013
2:24.52	PASCALE VERBAUWEN	BEL	1998	2:25.55	N.VINOKURENKOVA	RUS	2018	1500 M. FREE		
2:26.32	TERRY RADAM	USA	2000	2:25.56	CYNTHIA LEWIS	USA	2013	17:29.43	HEIDI GEORGE	USA 2017
2:26.36	VERONICA BALSANO	PAR	2022	2:25.65	MAREN SPIETZACK	GER	2022	17:31.51	KIRSTEN CAMERON	GBR 2015
50 M. BRST				2:26.22	BRUNA BUMACHAR	BRA	2017	17:55.28	REBECA SANTOS	ESP 2018
31.35	DANIELLE HERRMANN	USA	2022	2:26.58	LAURA ROCA	ESP	2015	17:56.52	K PIPES-NEILSEN	USA 2003
32.20	PETRA WEBER	CZE	2022	400 M. I.M.				18:02.60	AMANDA PICARD	SUI 2008
32.67	NICOLE HEIDEMANN	GER	2017	4:59.59	HITOMI MATSUDA	JPN	2012	18:03.64	EMMA WILLS	GBR 2020
32.86	KATIE GLENN	USA	2013	5:02.67	K PIPES-NEILSEN	USA	1998	18:07.10	VALERIA VERGANI	ITA 2013
32.98	GEORGINA HEYN	GBR	2019	5:10.13	MAREN SPIETZACK	GER	2022	18:14.34	SUZ HEIM-BOWEN	USA 1998
33.10	R.CRESCENTINI	ITA	2011	5:10.35	ANNA SPIETZACK	GER	2022	18:15.98	N.MUIR-COCHRANE	GBR 2004
33.24	HITOMI MATSUDA	JPN	2012	5:15.05	LAUREEN WELTING	USA	2001	18:25.26	JILL HERNANDEZ	USA 2000
33.44	CLAIRE ROLT	RSA	2017	5:16.17	CYNTHIA LEWIS	USA	2011	50 M. BACK		
33.49	CASEY KEIBER	USA	2016	5:16.83	NADINE DAY	USA	2007	29.62	NORIKO INADA	USA 2018
33.52	LINLEY FRAME	AUS	2010	5:18.43	JILL HERNANDEZ	USA	1999	30.35	RAAKEL LUOTO	FIN 2018
100 M. BRST				5:18.68	CAROLINA BENEYTO	ESP	2014	30.89	MARIA RIVERA	VEN 2013
1:10.47	DANIELLE HERRMANN	USA	2022	5:19.07	BRUNA BUMACHAR	BRA	2017	31.04	KANA MORIHISA	JPN 2022
1:12.34	KATIE GLENN	USA	2013	*****				31.29	JENNIFER MIHALIK	USA 2022
1:12.57	NICOLE HEIDEMANN	GER	2018	WOMEN 40-44				31.38	ERIKA BRAUN	USA 2015
1:12.75	CYNTHIA LEWIS	USA	2013	*****				31.49	CINDY MABEE	CAN 2009
1:12.77	HITOMI MATSUDA	JPN	2012	50 M. FREE				31.52	GISELI PEREIRA	BRA 2013
1:13.28	N.VINOKURENKOVA	RUS	2018	25.68	DARA TORRES	USA	2011	31.58	MICHELLE WARE	GBR 2017
1:13.67	GEORGINA HEYN	GBR	2019	26.44	EDITH OTTERMANN	RSA	2009	31.63	JODY SMITH	USA 2009
1:13.81	CAROLINE KRATTLI	USA	2001	26.53	ERIKA BRAUN	USA	2015	100 M. BACK		
1:14.50	CLAIRE ROLT	RSA	2017	26.57	ALENA POPCHANKA	ESP	2022	1:04.70	NORIKO INADA	USA 2018
1:14.65	LINLEY FRAME	AUS	2010	26.64	INGE DE BRUIJN	NED	2013	1:06.32	RAAKEL LUOTO	FIN 2017
200 M. BRST				26.88	MARIA DOELGER	USA	2003	1:07.06	CINDY MABEE	CAN 2009
2:35.40	HITOMI MATSUDA	JPN	2012	26.95	JUNKO NAKANO	JPN	2008	1:07.08	JENNIFER MIHALIK	USA 2022
2:38.95	NICOLE HEIDEMANN	GER	2017	26.97	ELIZABETH EMERY	USA	2002	1:07.10	KANA MORIHISA	JPN 2022
2:39.78	KATIE GLENN	USA	2013	27.18	JENNIE BUCKNELL	AUS	2009	1:07.21	JODY SMITH	USA 2009
2:40.63	CYNTHIA LEWIS	USA	2013	27.24	OLESSIA BOUROVA	ITA	2019	1:07.69	K PIPES-NEILSEN	USA 2003
2:41.51	YUKO MORITA	JPN	2012	100 M. FREE				1:07.75	GISELI PEREIRA	BRA 2013
2:41.76	CAROLINE KRATTLI	USA	2001	58.04	ERIKA BRAUN	USA	2013	1:08.21	SYLVIE ALLERY	FRA 2009
2:41.81	N.VINOKURENKOVA	RUS	2018	58.43	MARIA DOELGER	USA	2003	1:08.32	HELEN WHITFORD	AUS 2008
2:43.74	CAROLINA BENEYTO	ESP	2015	59.13	ELIZABETH EMERY	USA	2002	200 M. BACK		
2:44.72	ELENA PICCARDO	ITA	2022	59.59	K PIPES-NEILSEN	USA	2004	2:23.18	SILVIA PAROCCHI	ITA 2009
2:45.48	VERONICA BALSANO	BRA	2022	59.63	RAAKEL LUOTO	FIN	2016	2:23.18	JODY SMITH	USA 2009
50 M. FLY				1:00.28	JENNIFER MIHALIK	USA	2022	2:23.64	K PIPES-NEILSEN	USA 2003
27.46	NORIKO INADA	USA	2014	1:00.31	F.TRAVAGLINI	ITA	2016	2:24.14	KANA MORIHISA	JPN 2018
28.03	LYNNE HAYES	AUS	2009	1:00.32	BARBARA KEHBEIN	GER	2013	2:27.07	NORIKO INADA	USA 2018
28.20	PETRA WEBER	CZE	2022	1:00.38	KATJA OTTO	GER	2022	2:27.11	HELEN WHITFORD	AUS 2008
28.20	J.GOLEBIEWSKA	POL	2017	1:00.39	BEVERLEY MCCARNEY	RSA	2004	2:27.19	JENNIFER MIHALIK	USA 2022
28.24	ANNA POLYAKOVA	RUS	2021					2:27.78	JOANNA CORBEN	GBR 2010

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2:51.02	JUDIT HAJDU	AUT 2007	1:01.13	LAURA VAL	USA 2001	2:26.64	ELLEN REYNOLDS	USA 2014
2:51.80	GABRIELLE E ROSE	USA 2022	1:01.51	ANETTE PHILIPSSON	SWE 2015	2:27.23	JO CORBEN	GBR 2022
50 M. FLY			1:01.82	MELANIE THOMAS	USA 2021	2:32.31	MIYUKI SATO	JPN 2022
28.40	ERIKA BRAUN	USA 2017	1:02.08	LIZ DILLMANN	USA 2015	2:32.68	SILVIA PAROCCHI	ITA 2016
28.97	EDITH OTTERMANN	RSA 2011	1:02.25	H.WILLEBOORDSE	USA 2017	2:33.03	LYNN MARSHALL	CAN 2011
29.04	WENKE SEIDER	USA 2014	1:02.31	S.HEIM-BOWEN	USA 2008	2:34.09	STEPHANIE STONE	USA 2018
29.12	S.VON DER LIPPE	USA 2010	1:02.49	DANIELA DE PONTI	ITA 2015	2:34.13	KRISTIN GARY	USA 2019
29.33	IZABELA FRACZEK	POL 2017	1:02.60	CINTA VILANOVA	ESP 2022	2:35.55	K.PIPES-NEILSEN	FRA 2012
29.33	YURIKO IKEDA	JPN 2017	200 M. FREE			2:36.08	HELEN WHITFORD	AUS 2017
29.37	LAURIE DITOMMASO	USA 2009	2:13.18	JILL HERNANDEZ	USA 2013	2:36.60	ALISON ZAMANIAN	USA 2022
29.52	K.PIPES-NEILSEN	USA 2008	2:14.66	DIANE GOULD	USA 2019	50 M. BRST		
29.57	LISA DAHL	USA 2009	2:15.00	S.HEIM-BOWEN	USA 2008	34.18	MONICA CORO	ITA 2012
29.70	MICHELLE WARE	GBR 2018	2:15.06	LIZ DILLMANN	USA 2015	34.87	HELEN GORMAN	GBR 2022
100 M. FLY			2:15.37	LAURA VAL	USA 2001	35.42	JENNY WHITELEY	AUS 2009
1:04.96	WENKE SEIDER	USA 2014	2:15.83	ELLEN REYNOLDS	USA 2016	35.70	UTE HASSE	ESP 2015
1:05.69	K.PIPES-NEILSEN	USA 2008	2:16.01	MAITE GARCIA	ESP 2015	36.24	MARZENA KULIS	ITA 2017
1:06.42	ARLENE DELMAGE	USA 2008	2:16.52	JENNY WHITELEY	AUS 2009	36.36	ANNA HAMMAR	SWE 2019
1:06.45	ERIKA BRAUN	USA 2017	2:17.53	ENEY JONES	USA 2010	36.36	MARJA BLOEMZAAD	NED 2011
1:06.65	BIRGIT LOHBERG	USA 2010	2:17.65	LYNN MARSHALL	CAN 2011	36.40	JUDY GARAY	CAN 2014
1:06.91	FRANCA BOSISIO	ITA 2014	400 M. FREE			36.47	ERIKA L BRAUN	USA 2022
1:07.18	NATALIYA MATVEEVA	RUS 2010	4:40.66	JILL HERNANDEZ	USA 2013	36.72	V.SCHLESINGER	GER 2019
1:07.28	YURIKO IKEDA	JPN 2018	4:41.18	SUSAN PRESTON	USA 2016	100 M. BRST		
1:07.30	JILL HERNANDEZ	USA 2005	4:41.19	LYNN MARSHALL	CAN 2011	1:15.44	HELEN GORMAN	GBR 2022
1:07.47	SUSANA GOMES	POR 2022	4:41.31	ALISON ZAMANIAN	USA 2022	1:15.50	MONICA CORO	ITA 2012
200 M. FLY			4:42.37	S.HEIM-BOWEN	USA 2008	1:17.80	MARZENA KULIS	ITA 2016
2:24.34	K.PIPES-NEILSEN	USA 2009	4:44.54	DIANE GOULD	USA 2019	1:18.73	UTE HASSE	ESP 2015
2:27.71	KINCISO VENCZEL	HUN 2019	4:47.34	MAITE GARCIA	ESP 2015	1:19.23	JENNY WHITELEY	AUS 2009
2:30.37	FRANCA BOSISIO	ITA 2014	4:47.93	LAURA VAL	USA 2002	1:20.47	IRINA MERZLIKINA	RUS 2022
2:31.37	LAURA VAL	USA 1998	4:48.34	C.THIELEMAN	GER 2019	1:21.29	JAN CLARKSON	AUS 2008
2:31.87	ALISON ZAMANIAN	USA 2019	4:48.62	ENEY JONES	USA 2010	1:21.50	HANA BOHUSLAVKOVA	CZE 2018
2:32.07	SUSANNE SIMPSON	USA 2006	800 M. FREE			1:21.62	LAURA MOLINARI	ITA 2018
2:32.38	TERESA GARCIA	ESP 2010	9:34.12	SUSAN PRESTON	USA 2016	1:22.01	CHIE MIYAMOTO	JPN 2022
2:32.51	NICOLA LATTY	GBR 2016	9:38.04	LYNN MARSHALL	CAN 2011	200 M. BRST		
2:32.59	S. PALMER-WHITE	AUS 2009	9:42.10	ALISON ZAMANIAN	USA 2022	2:44.66	HELEN GORMAN	GBR 2022
2:33.37	LYNN MARSHALL	CAN 2006	9:48.81	S.HEIM-BOWEN	USA 2008	2:50.89	MARZENA KULIS	ITA 2017
200 M. I.M.			9:52.39	C.THIELEMAN	GER 2019	2:50.92	MONICA CORO	ITA 2012
2:21.37	GABRIELLE E ROSE	USA 2022	9:52.55	LAURA VAL	USA 2002	2:52.71	IRINA MERZLIKINA	RUS 2022
2:27.57	K.PIPES-NEILSEN	USA 2008	9:53.57	JILL GELLATLY	USA 2017	2:54.00	ELLEN REYNOLDS	USA 2016
2:28.42	WENKE SEIDER	USA 2014	9:54.50	MAITE GARCIA	ESP 2015	2:55.15	JENNY WHITELEY	AUS 2008
2:31.88	MARZENA KULIS	ITA 2009	9:54.87	JANE ANN HOAG	ITA 2019	2:55.55	CHIE MIYAMOTO	JPN 2022
2:31.95	REBECCA PERROTT	NZL 2008	9:58.93	PATRICIA CAMPBELL	USA 2017	2:57.01	KEIKO OKAMOTO	JPN 2019
2:32.18	HELEN GORMAN	GBR 2017	1500 M. FREE			2:57.39	H.MORRIS-EYTON	RSA 2018
2:32.43	BARBARA KEHBEIN	GER 2014	18:15.80	ALISON ZAMANIAN	USA 2022	2:57.47	LAURA MOLINARI	ITA 2019
2:32.46	JILL HERNANDEZ	USA 2005	18:29.28	LYNN MARSHALL	CAN 2011	50 M. FLY		
2:32.58	ELLEN REYNOLDS	USA 2012	18:32.76	S.HEIM-BOWEN	USA 2008	29.47	ERIKA L BRAUN	USA 2022
2:33.33	HIDEKO MAKINO	JPN 2018	18:50.67	JILL GELLATLY	USA 2017	29.82	SUSAN WILLIAMS	USA 2016
400 M. I.M.			18:57.82	JANE ANN HOAG	ITA 2017	30.05	FRANCA BOSISIO	ITA 2019
5:13.85	K.PIPES-NEILSEN	USA 2008	19:00.31	ELLEN REYNOLDS	USA 2018	30.06	DANIELA DE PONTI	ITA 2016
5:23.69	ELLEN REYNOLDS	USA 2013	19:01.37	ENEY JONES	USA 2010	30.17	MARIOLA KULIS	POL 2017
5:27.07	KINCISO VENCZEL	HUN 2019	19:03.05	NORMA CAHILL	IRL 2015	30.24	ANGELA ZINGLER	GER 2004
5:27.67	JILL HERNANDEZ	USA 2005	19:08.69	LAURA VAL	USA 2001	30.26	YUKI NAKAYAMA	JPN 2022
5:27.86	REBECCA PERROTT	NZL 2008	19:13.43	C.THIELEMAN	GER 2018	30.27	YURIKO IKEDA	JPN 2022
5:29.68	MARZENA KULIS	ITA 2009	50 M. BACK			30.29	ANETTE PHILIPSSON	SWE 2015
5:30.74	STEPHANIE STONE	USA 2013	32.02	MARIE FUZZATI	FRA 2015	30.29	LESLIE LIVINGSTON	USA 2013
5:32.02	HELEN WHITFORD	AUS 2012	32.30	ERIKA L BRAUN	USA 2022	100 M. FLY		
5:32.27	JILL GELLATLY	USA 2014	32.41	LESLIE LIVINGSTON	USA 2013	1:07.55	FRANCA BOSISIO	ITA 2022
5:32.69	ANGELA DELISSEN	GER 2012	32.50	ELLEN REYNOLDS	USA 2014	1:07.80	JILL HERNANDEZ	USA 2011
*****			32.54	MIYUKI SATO	JPN 2022	1:07.81	LAURA VAL	USA 2001
WOMEN 50-54			32.83	YURIKO IKEDA	JPN 2022	1:08.22	DANIELA DE PONTI	ITA 2016
*****			32.87	J SWAGERTY-HILL	USA 2002	1:09.07	SILVIA PAROCCHI	ITA 2017
50 M. FREE			32.88	FRANCA BOSISIO	ITA 2019	1:09.36	ERIKA L BRAUN	USA 2022
27.09	MARIE FUZZATI	FRA 2015	33.01	S.ZHIGUNOVA	RUS 2015	1:09.50	H.WILLEBOORDSE	USA 2017
27.38	ERIKA L BRAUN	USA 2022	33.02	ANDREA KUTZ	GER 2022	1:09.76	YURIKO IKEDA	JPN 2022
27.41	EDITH OTTERMANN	RSA 2019	100 M. BACK			1:09.90	ANETTE PHILIPSSON	SWE 2016
27.79	ANETTE PHILIPSSON	SWE 2015	1:08.16	JOANNA CORBEN	GBR 2020	1:09.92	ROSIE SHEPPARD	USA 2019
27.95	JENNIE BUCKNELL	AUS 2018	1:09.28	ELLEN REYNOLDS	USA 2014	200 M. FLY		
28.04	CINTA BELMONTE	ESP 2021	1:10.20	MIYUKI SATO	JPN 2022	2:31.55	LAURA VAL	USA 2001
28.17	FALL WILLEBOORDSE	USA 2016	1:10.82	FALL WILLEBOORDSE	USA 2016	2:32.39	FRANCA BOSISIO	ITA 2019
28.22	LAURA VAL	USA 2001	1:11.00	MARIE FUZZATI	FRA 2015	2:33.75	C.THIELEMAN	GER 2019
28.25	JENNY WHITELEY	AUS 2009	1:11.14	SILVIA PAROCCHI	ITA 2017	2:33.85	NICOLA LATTY	GBR 2022
28.26	MONICA SORO	ITA 2022	1:11.23	KRISTIN GARY	USA 2019	2:34.93	LYNN MARSHALL	CAN 2011
100 M. FREE			1:11.78	K.PIPES-NEILSEN	USA 2012	2:36.40	MAITE GARCIA	ESP 2015
1:00.42	MARIE FUZZATI	FRA 2015	1:11.83	LISE RAVEN LOTHE	NOR 2018	2:36.49	ALISON ZAMANIAN	USA 2022
1:00.53	ERIKA L BRAUN	USA 2022	1:12.24	GISELI PEREIRA	BRA 2022	2:36.81	S. PALMER-WHITE	AUS 2015
			200 M. BACK			2:37.91	S.REIBEL-OBERLE	GER 2014

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2:40.45	ANJA FRIEDRICH	GER	2017	10:04.10	SILVIA DI ROSA	ITA	2022	2:58.83	MONICA CORO	ITA	2017
200 M. I.M.				10:04.92	S.REIBEL-OBERLE	GER	2019	2:59.27	ELLEN REYNOLDS	USA	2019
2:31.02	ELLEN REYNOLDS	USA	2016	10:05.28	LAURA VAL	USA	2008	3:01.66	CAROLINE KRATTLI	USA	2017
2:33.61	HELEN GORMAN	GBR	2022	10:07.05	JANE ANN HOAG	ITA	2022	3:01.70	PIA THULSTRUP	DEN	2016
2:34.32	K.PIPES-NEILSEN	FRA	2012	10:09.01	S. PALMER-WHITE	AUS	2019	3:02.67	JENNY WHITELEY	AUS	2013
2:35.61	ANETTE PHILIPSSON	SWE	2016	10:14.55	JEANNE CARLSEN	CAN	2013	3:03.88	ANDREA MULLER	CHI	2022
2:35.87	IRINA MERZLIKINA	RUS	2022	10:16.44	KIM O'GRADY	USA	2017	3:04.04	ESTHER ISEPPI	SUI	2013
2:36.05	SUSAN PRESTON	USA	2016	1500 M. FREE				3:04.14	TATYANA PROKOFEVA	RUS	2021
2:36.62	CECILIA STANFORD	RSA	2011	18:36.30	ELLEN REYNOLDS	USA	2019	3:04.32	LO KNAPP	USA	2009
2:36.78	DANIELA DEPONTI	ITA	2016	18:46.00	LYNN MARSHALL	CAN	2016	50 M. FLY			
2:36.97	JILL HERNANDEZ	USA	2011	19:14.70	LAURA VAL	USA	2007	30.52	LESLIE LIVINGSTON	USA	2016
2:37.79	C.THIELEMANN	GER	2019	19:17.89	JANE ANN HOAG	ITA	2022	30.58	ANDREA MULLER	CHI	2022
400 M. I.M.				19:25.91	S.HEIM-BOWEN	USA	2016	30.59	HOLLY GREEN BLAIR	USA	2018
5:20.68	ELLEN REYNOLDS	USA	2014	19:27.15	KIM OGRADY	USA	2016	30.97	TRACI GRANGER	USA	2013
5:30.32	JILL HERNANDEZ	USA	2013	19:29.84	K.PALACE	USA	2016	31.02	KARLYN PIPES	USA	2017
5:32.26	LYNN MARSHALL	CAN	2011	19:30.77	JEANNE CARLSEN	CAN	2013	31.36	ELIZABETH WOOLNER	GBR	2022
5:32.41	K.PIPES-NEILSEN	FRA	2012	19:33.42	NORMA CAHILL	IRL	2020	31.38	SILVIA PAROCCHI	ITA	2022
5:33.63	NICOLA LATTY	GBR	2022	19:34.44	ROBYN CROTTY	NZL	2019	31.42	LAURA VAL	USA	2009
5:34.09	C.THIELEMANN	GER	2019	50 M. BACK				31.57	SUSAN O WILLIAMS	USA	2022
5:36.45	S.REIBEL-OBERLE	GER	2014	31.99	HOLLY GREEN BLAIR	USA	2018	31.60	MARIA NORBERG	SWE	2018
5:37.60	CECILLA STANFORD	RSA	2011	32.36	KARLYN PIPES	USA	2017	100 M. FLY			
5:38.02	HELEN WHITFORD	AUS	2017	33.08	LESLIE LIVINGSTON	USA	2016	1:08.81	ANDREA MULLER	CHI	2022
5:38.55	CARLA GEURTS	NED	2022	33.60	HIROKO NOGUCHI	JPN	2022	1:09.47	LAURA VAL	USA	2009
*****				33.70	JENNIE BUCKNELL	AUS	2021	1:10.27	JILL HERNANDEZ	USA	2015
WOMEN 55-59				33.75	LAURA VAL	USA	2010	1:10.46	ANDREA BLOCK	USA	2016
*****				33.95	SILVIA PAROCCHI	ITA	2022	1:10.97	SILVIA PAROCCHI	ITA	2022
50 M. FREE				34.10	SUSAN O WILLIAMS	USA	2022	1:11.85	KARLYN PIPES	USA	2018
27.63	EDITH OTTERMANN	RSA	2021	34.11	S.ZHIGUNOVA	RUS	2019	1:12.25	M.CARMEN NAVARRO	ESP	2016
28.29	JENNIE BUCKNELL	AUS	2021	34.11	JULIE HOYLE	GBR	2017	1:12.48	LYNN MARSHALL	CAN	2017
28.46	HOLLY GREEN BLAIR	USA	2019	100 M. BACK				1:12.50	TRACI GRANGER	USA	2014
28.69	KARLYN PIPES	USA	2017	1:09.69	HOLLY GREEN BLAIR	USA	2019	1:12.77	ELIZABETH WOOLNER	GBR	2022
28.69	LAURA VAL	USA	2008	1:11.06	ELLEN REYNOLDS	USA	2019	1:12.77	D.PEDACCHIOLA	ITA	2018
28.80	LESLIE LIVINGSTON	USA	2016	1:11.23	KARLYN PIPES	USA	2017	200 M. FLY			
28.92	ANETTE PHILIPSSON	SWE	2022	1:12.45	BONNIE BILICH	USA	2017	2:35.47	S. PALMER-WHITE	AUS	2019
28.98	FALL WILLEBOORDSE	USA	2022	1:13.26	SILVIA PAROCCHI	ITA	2021	2:37.61	LYNN MARSHALL	CAN	2018
29.00	SARAH MACDONALD	CAN	2017	1:14.41	LAURA VAL	USA	2008	2:39.72	S.REIBEL-OBERLE	GER	2020
29.17	NABARA JUNKO	JPN	2022	1:14.74	STEPHANIE STONE	USA	2022	2:41.51	LAURA VAL	USA	2007
100 M. FREE				1:14.75	JUDY BROWN	GBR	2019	2:43.26	D.PEDACCHIOLA	ITA	2018
1:02.02	LAURA VAL	USA	2008	1:15.51	JULIE HOYLE	GBR	2017	2:44.16	N.STEADMAN-MARTIN	USA	2009
1:02.70	JILL HERNANDEZ	USA	2015	1:15.56	FALL WILLEBOORDSE	USA	2022	2:44.22	ROBYN CROTTY	NZL	2017
1:02.98	HOLLY GREEN BLAIR	USA	2019	200 M. BACK				2:47.73	JUDITH HATTLE	GBR	2017
1:03.11	ELLEN REYNOLDS	USA	2019	2:31.79	ELLEN REYNOLDS	USA	2019	2:48.14	I.KURTEN-SCHWABE	GER	2014
1:03.68	S.REIBEL-OBERLE	GER	2019	2:36.61	JUDY BROWN	GBR	2019	2:49.31	ARLENE DELMAGE	USA	2017
1:03.99	HEATHER CAMPBELL	NZL	2008	2:36.62	SILVIA PAROCCHI	ITA	2022	200 M. I.M.			
1:04.30	JENNIE BUCKNELL	AUS	2022	2:37.77	KARLYN PIPES	USA	2017	2:31.51	ELLEN REYNOLDS	USA	2019
1:04.48	CAROLA KHOURI	USA	2017	2:37.94	STEPHANIE STONE	USA	2022	2:38.74	JILL HERNANDEZ	USA	2015
1:04.86	CATE JACKSON	GBR	2019	2:38.52	LYNN MARSHALL	CAN	2016	2:39.07	S.REIBEL-OBERLE	GER	2019
1:04.89	M.CABELLO	ESP	2017	2:40.84	BONNIE BILICH	USA	2017	2:39.78	KARLYN PIPES	USA	2017
200 M. FREE				2:43.42	C.ESCATILLAR	ESP	2022	2:39.96	LYNN MARSHALL	CAN	2016
2:16.28	ELLEN REYNOLDS	USA	2019	2:44.15	KAZUE MAETOGE	JPN	2022	2:42.29	CECILIA STANFORD	RSA	2016
2:16.28	LAURA VAL	USA	2009	2:44.61	JANE ANN HOAG	ITA	2022	2:43.43	JENNY WHITELEY	AUS	2014
2:16.89	JILL HERNANDEZ	USA	2015	50 M. BRST				2:43.45	LAURA VAL	USA	2008
2:18.82	KARLYN PIPES	USA	2017	35.66	MONICA CORO	ITA	2017	2:44.01	COLETTE CRABBE	BEL	2013
2:19.07	LYNN MARSHALL	CAN	2016	36.59	PIA THULSTRUP	DEN	2017	2:45.18	ROBYN CROTTY	NZL	2017
2:19.78	S.REIBEL-OBERLE	GER	2019	36.75	UTE HASSE	ESP	2018	400 M. I.M.			
2:20.38	R.PERROTT	NZL	2017	37.04	JENNY WHITELEY	AUS	2013	5:21.35	ELLEN REYNOLDS	USA	2019
2:21.52	BARBARA GELLRICH	GER	2016	37.13	CAROLINE KRATTLI	USA	2017	5:39.37	S.REIBEL-OBERLE	GER	2019
2:22.19	M.CABELLO	ESP	2017	37.40	ANDREA MULLER	CHI	2022	5:40.33	LYNN MARSHALL	CAN	2016
2:22.27	KIM O'GRADY	USA	2017	37.40	TERRI MACDOUGALL	CAN	2019	5:49.40	LAURA VAL	USA	2009
400 M. FREE				37.80	DAGMAR FRESE	GER	2014	5:51.21	S. PALMER-WHITE	AUS	2019
4:43.41	LYNN MARSHALL	CAN	2016	37.92	SARAH MACDONALD	CAN	2017	5:51.88	CECILIA STANFORD	RSA	2016
4:46.49	ELLEN REYNOLDS	USA	2019	38.05	SATOKO TOKITA	JPN	2018	5:53.27	COLETTE CRABBE	USA	2013
4:46.69	JILL HERNANDEZ	USA	2015	100 M. BRST				5:53.54	BONNIE SPIVEY	USA	2013
4:50.13	LAURA VAL	USA	2009	1:18.96	MARZENA KULIS	ITA	2019	5:54.92	ROBYN CROTTY	NZL	2019
4:50.80	S.REIBEL-OBERLE	GER	2019	1:19.90	MONICA CORO	ITA	2017	5:54.99	PIERRETTE MICHEL	BEL	2017
4:56.25	KARLYN PIPES	USA	2017	1:20.82	PIA THULSTRUP	DEN	2016	*****			
4:56.44	KIM O'GRADY	USA	2017	1:21.21	CAROLINE KRATTLI	USA	2017	WOMEN 60-64			
4:57.54	JANE ANN HOAG	ITA	2022	1:22.86	UTE HASSE	ESP	2019	*****			
4:57.77	KAREN GRAHAM	GBR	2020	1:23.02	ANDREA MULLER	CHI	2022	50 M. FREE			
4:57.92	S.HEIM-BOWEN	USA	2017	1:23.16	JENNY WHITELEY	AUS	2013	28.90	JENNY WHITELEY	AUS	2018
800 M. FREE				1:24.00	TATYANA PROKOFEVA	RUS	2022	29.21	PENNY NOYES	USA	2018
9:44.76	LYNN MARSHALL	CAN	2017	1:24.55	TERRI MACDOUGALL	CAN	2019	29.31	LAURA VAL	USA	2011
9:46.56	JILL HERNANDEZ	USA	2015	1:24.78	DAGMAR FRESE	GER	2014	29.44	SARAH MACDONALD	CAN	2020
9:57.40	ELLEN REYNOLDS	USA	2019	200 M. BRST				30.06	AMY JO RIEGER	PUR	2022
				2:56.70	MARZENA KULIS	ITA	2020				

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30.09	KARLYN A PIPES	USA	2022	1:16.63	JULIE HOYLE	GBR	2022	2:47.28	LYNN MARSHALL	USA	2022
30.11	CHARLOTTE DAVIS	USA	2012	1:17.34	LEIGH RODGERS	AUS	2015	2:52.77	TRACI GRANGER	USA	2018
30.16	TRACI GRANGER	USA	2018	1:17.40	PENNY NOYES	USA	2018	2:53.20	ARLENE DELMAGE	USA	2022
30.19	SANDERINA KRUGER	RSA	2011	1:17.53	K.ANDRUS-HUGHES	USA	2017	2:54.50	COLETTE CRABBE	BEL	2016
30.31	IKUKO TAKATANI	JPN	2022	1:17.81	M.RIPLEY	USA	2016	2:54.79	LAURIE ALIOTO	USA	2018
100 M. FREE				1:18.00	JOAN PFINGRAFF	USA	2018	2:54.83	JUDITH PEARSON	GBR	2022
1:03.83	LAURA VAL	USA	2011	1:18.91	B.BARNETT-SALLEE	USA	2006	2:56.47	CECILIA STANFORD	RSA	2022
1:04.92	KARLYN A PIPES	USA	2022	200 M. BACK				2:58.64	LAURA VACA	MEX	2014
1:06.02	MA CARMEN CABELLO	ESP	2021	2:41.38	KARLYN A PIPES	USA	2022	3:00.66	L.NAGOVITSYNA	RUS	2019
1:06.13	JENNY WHITELEY	AUS	2019	2:41.57	BONNIE BILICH	USA	2019	200 M. I.M.			
1:06.30	PENNY NOYES	USA	2017	2:44.38	LAURA VAL	USA	2013	2:44.62	JENNY WHITELEY	AUS	2019
1:06.41	VERONICA HIBBEN	USA	2017	2:46.62	LYNN MARSHALL	USA	2022	2:46.76	LYNN MARSHALL	CAN	2022
1:06.63	SANDERINA KRUGER	RSA	2009	2:46.79	JULIE HOYLE	GBR	2022	2:47.99	LAURA VAL	USA	2013
1:06.67	SARAH MACDONALD	CAN	2020	2:48.38	JOAN PFINGRAFF	USA	2018	2:48.28	COLETTE CRABBE	BEL	2016
1:07.29	AMY JO RIEGER	PUR	2022	2:49.60	M.RIPLEY	USA	2016	2:48.94	CECILIA STANFORD	RSA	2022
1:07.33	CHARLOTTE DAVIS	USA	2010	2:49.65	BONNIE SPIVEY	USA	2019	2:49.37	AMY JO RIEGER	PUR	2022
200 M. FREE				2:50.16	B.BARNETT-SALLEE	USA	2006	2:50.86	PIERRETTE MICHEL	BEL	2022
2:21.03	JENNY WHITELEY	AUS	2019	2:50.70	KAZUMI MORI	JPN	2022	2:51.28	BONNIE BILICH	USA	2018
2:21.48	LAURA VAL	USA	2012	50 M. BRST				2:52.67	CHARLOTTE DAVIS	USA	2010
2:24.98	CECILIA STANFORD	RSA	2022	37.43	MONICA CORO'	ITA	2022	2:52.77	LEIGH RODGERS	AUS	2016
2:25.78	AMY JO RIEGER	PUR	2022	37.51	JENNY WHITELEY	AUS	2019	400 M. I.M.			
2:27.35	MA CARMEN CABELLO	ESP	2021	37.79	DAGMAR FRESE	GER	2016	5:48.88	LYNN MARSHALL	CAN	2022
2:28.08	SUSAN RITTER	USA	2017	38.48	MONIKA SENFLEBEN	GER	2002	5:49.08	KARLYN A PIPES	USA	2022
2:28.34	BONNIE BILICH	USA	2018	38.69	PIA THULSTRUP	DEN	2022	5:56.27	LAURA VAL	USA	2011
2:28.60	VERONICA HIBBEN	USA	2016	39.02	BETH ESTEL	USA	2016	5:56.40	COLETTE CRABBE	USA	2016
2:29.54	SANDERINA KRUGER	RSA	2010	39.16	SARAH MACDONALD	CAN	2020	5:58.81	BONNIE SPIVEY	USA	2019
2:29.86	DIANE COETZEE	RSA	2016	39.16	BONNIE PRONK	CAN	2002	6:01.34	AMY JO RIEGER	PUR	2022
400 M. FREE				39.19	MELINDA MANN	USA	2017	6:02.89	CECILIA STANFORD	RSA	2022
4:53.58	LYNN MARSHALL	CAN	2022	39.25	JAN WICKS	AUS	2006	6:05.55	PIERRETTE MICHEL	BEL	2022
4:59.82	LAURA VAL	USA	2012	100 M. BRST				6:08.99	CHARLOTTE DAVIS	USA	2010
5:08.59	KARLYN A PIPES	USA	2022	1:23.04	MONICA CORO'	ITA	2022	6:12.89	NAOKO SHINO	JPN	2020
5:09.84	BONNIE SPIVEY	USA	2019	1:23.37	JENNY WHITELEY	AUS	2018	*****			
5:10.52	CECILIA STANFORD	RSA	2022	1:25.82	DAGMAR FRESE	GER	2016	WOMEN 65-69			
5:11.15	SUSAN RITTER	USA	2017	1:26.02	MARCELA MORENO	COL	2020	*****			
5:13.42	JOANNE SUTCLIFFE	AUS	2021	1:26.61	MISA KUWANO	JPN	2021	50 M. FREE			
5:15.34	S.HEIM-BOWEN	USA	2019	1:26.86	PIA THULSTRUP	DEN	2022	29.10	PENNY NOYES	USA	2019
5:15.75	BARBARA GELLERICH	GER	2022	1:27.08	AVILA RHODES	CAN	2016	29.17	LAURA VAL	USA	2018
5:16.97	KELLY PALACE	USA	2022	1:27.24	BETH ESTEL	USA	2016	30.71	VERONICA HIBBEN	USA	2021
800 M. FREE				1:27.64	BONNIE PRONK	CAN	2002	30.72	SANDERINA KRUGER	RSA	2015
10:18.82	LYNN MARSHALL	USA	2022	1:27.95	LO KNAPP	USA	2014	30.76	JACKI HIRSTY	USA	2017
10:27.71	LAURA VAL	USA	2011	200 M. BRST				30.85	CHARLOTTE DAVIS	USA	2016
10:34.37	BONNIE SPIVEY	USA	2019	3:04.15	JENNY WHITELEY	AUS	2018	31.13	ALYSON FORDHAM	GBR	2022
10:37.63	CECILIA STANFORD	RSA	2022	3:06.40	MONICA CORO'	ITA	2022	31.20	LYNN MORRISON	USA	2019
10:39.75	S.HEIM-BOWEN	USA	2019	3:08.07	LO KNAPP	USA	2014	31.30	A.PIJTAK-RADERSMA	NED	2022
10:43.17	JENNY WHITELEY	AUS	2018	3:12.35	MISA KUWANO	JPN	2021	31.83	CAROLE SMITH	ITA	2018
10:45.75	KELLY PALACE	USA	2021	3:13.11	AVILA RHODES	CAN	2016	100 M. FREE			
10:46.10	SUSAN RITTER	USA	2018	3:13.31	COLETTE CRABBE	USA	2018	1:04.89	LAURA VAL	USA	2018
10:48.89	JOANNE SUTCLIFFE	AUS	2021	3:13.46	PIA THULSTRUP	DEN	2022	1:07.26	VERONICA HIBBEN	USA	2022
10:57.17	LAURA VACA	MEX	2014	3:13.61	ESTHER ISEPPI	GBR	2019	1:07.88	CHARLOTTE DAVIS	USA	2016
1500 M. FREE				3:14.04	AMANDA HEATH	GBR	2017	1:08.48	PENNY NOYES	USA	2019
19:23.70	LYNN MARSHALL	USA	2022	3:14.49	BONNIE PRONK	CAN	2002	1:09.23	SANDERINA KRUGER	RSA	2015
19:52.85	LAURA VAL	USA	2011	50 M. FLY				1:09.29	A.PIJTAK-RADERSMA	NED	2022
19:57.23	BONNIE SPIVEY	USA	2019	31.11	TRACI GRANGER	USA	2019	1:09.61	JACKI HIRSTY	USA	2017
20:02.91	JENNY WHITELEY	AUS	2018	31.95	KARLYN A PIPES	USA	2022	1:10.22	LYNN MORRISON	USA	2019
20:10.84	S.HEIM-BOWEN	USA	2019	32.27	LAURA VAL	USA	2012	1:10.53	ALYSON FORDHAM	GBR	2022
20:44.81	KELLY PALACE	USA	2021	32.28	LEIGH RODGERS	AUS	2016	1:12.00	CHRISTEL SCHULZ	GER	2005
20:52.70	CHRISTIE CIRAULO	USA	2015	32.36	MA CARMEN NAVARRO	ESP	2022	200 M. FREE			
20:58.98	AMANDA DUGGAN	AUS	2021	32.57	PENNY NOYES	USA	2017	2:25.29	LAURA VAL	USA	2016
20:59.26	SUSAN RITTER	USA	2018	32.57	CHARLOTTE DAVIS	USA	2012	2:33.00	VERONICA HIBBEN	USA	2021
21:01.19	S.LOFTUS-CHARLEY	USA	2013	32.65	VAL VAN HORN PATE	USA	2022	2:33.88	JACKI HIRSTY	USA	2017
50 M. BACK				32.74	JENNY WHITELEY	AUS	2019	2:35.36	CHARLOTTE DAVIS	USA	2015
33.82	KARLYN A PIPES	USA	2022	32.79	SARAH MACDONALD	CAN	2020	2:36.05	LO KNAPP	USA	2019
33.86	LAURA VAL	USA	2015	100 M. FLY				2:37.26	DOT MUNGER	USA	2016
34.44	BONNIE BILICH	USA	2019	1:12.06	LAURA VAL	USA	2011	2:37.34	A.PIJTAK-RADERSMA	NED	2022
34.94	AMY JO RIEGER	PUR	2022	1:13.18	KARLYN A PIPES	USA	2022	2:37.63	SANDERINA KRUGER	RSA	2015
34.99	PENNY NOYES	USA	2018	1:13.51	TRACI GRANGER	USA	2018	2:39.02	DIANE COETZEE	RSA	2022
35.14	K.ANDRUS-HUGHES	USA	2017	1:14.21	MA CARMEN NAVARRO	ESP	2022	2:39.05	CAROLYN BOAK	USA	2010
35.41	JULIE HOYLE	GBR	2022	1:14.31	LEIGH RODGERS	AUS	2016	400 M. FREE			
35.63	LEIGH RODGERS	AUS	2016	1:14.75	JUDITH PEARSON	GBR	2022	5:12.80	LAURA VAL	USA	2019
35.79	B.BARNETT-SALLEE	USA	2006	1:14.80	VAL VAN HORN PATE	USA	2022	5:21.62	KAREN L EINSIDLER	USA	2021
35.82	J.SWAGERTY-HILL	USA	2014	1:15.05	CECILIA STANFORD	RSA	2022	5:26.13	NANCY MARTIN	USA	2021
100 M. BACK				1:15.33	COLETTE CRABBE	BEL	2016	5:27.73	DOT MUNGER	USA	2016
1:14.28	KARLYN A PIPES	USA	2022	1:16.75	MELINDA MANN	USA	2017	5:27.79	CHARLOTTE DAVIS	USA	2015
1:14.50	BONNIE BILICH	USA	2018	200 M. FLY				5:28.07	JACKI HIRSTY	USA	2017
1:14.76	LAURA VAL	USA	2015	2:41.03	LAURA VAL	USA	2011				

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5:29.40	DIANE COETZEE	RSA	2022	1:32.24	LO KNAPP	USA	2019	*****			
5:29.74	VERONICA HIBBEN	USA	2022	1:32.36	COLETTE M CRABBE	USA	2022		WOMEN 70-74		
5:30.62	SUSAN M RITTER	USA	2022	1:32.66	JANETTE JEFFREY	AUS	2015	*****			
5:33.65	C.TARANTINO	ITA	2021	1:33.14	SALLY SHIELDS	GBR	2019		50 M. FREE		
800 M. FREE				1:33.23	NOBUKO YASUDA	JPN	2010		30.73	LAURA B VAL	USA 2021
10:49.60	LAURA VAL	USA	2017	1:33.32	CHARLOTTE DAVIS	USA	2018		31.99	SANDERINA KRUGER	RSA 2019
11:11.42	KAREN L EINSIDLER	USA	2021	1:33.69	DIANE FORD	GBR	2008		32.43	CHARLOTTE M DAVIS	USA 2021
11:13.66	NANCY MARTIN	USA	2021	200 M. BRST					32.89	MARGARET TOPPEL	USA 2018
11:17.95	CHRISTIE CIRAULO	USA	2019	3:12.63	AMANDA HEATH	GBR	2022		33.02	DIANN UUSTAL	USA 2017
11:18.25	DOT MUNGER	USA	2016	3:19.08	LO KNAPP	USA	2019		33.57	CHRISTEL SCHULZ	GER 2010
11:21.32	LO KNAPP	USA	2019	3:19.76	JANETTE JEFFREY	AUS	2016		33.61	YOSHIKO OSAKI	JPN 2009
11:22.78	SUSAN M RITTER	USA	2022	3:20.24	COLETTE CRABBE	BEL	2022		33.70	YOSHIKO KADOSAKA	JPN 2019
11:23.68	LAURA VACA	MEX	2019	3:23.63	JENNIFER MERRITT	GBR	2016		33.80	C.NIEUWENHUIS	NED 2022
11:26.82	DIANE COETZEE	RSA	2022	3:23.87	KEIKO UTSUMI	JPN	2022		33.84	JANETTE JEFFREY	AUS 2021
11:31.53	CHARLOTTE DAVIS	USA	2015	3:24.25	GIURGIZA GABRILO	CRO	2012		100 M. FREE		
1500 M. FREE				3:24.61	CHARLOTTE DAVIS	USA	2019		1:06.90	LAURA B VAL	USA 2021
21:00.15	LAURA VAL	USA	2016	3:24.79	NOBUKO YASUDA	JPN	2010		1:11.21	CHARLOTTE M DAVIS	USA 2021
21:04.07	KAREN L EINSIDLER	USA	2021	3:24.98	MASUMI SATO	JPN	2022		1:11.49	SANDERINA KRUGER	RSA 2019
21:14.84	NANCY MARTIN	USA	2021	50 M. FLY					1:14.28	YOSHIKO OSAKI	JPN 2009
21:32.84	CHRISTIE CIRAULO	USA	2019	32.93	PENNY NOYES	USA	2019		1:15.01	CHRISTEL SCHULZ	GER 2010
21:43.45	LAURA VACA	MEX	2019	33.34	LAURA VAL	USA	2018		1:15.30	DIANN UUSTAL	USA 2017
21:56.07	AUDREY COOPER	GBR	2019	33.66	CHARLOTTE DAVIS	USA	2016		1:16.80	C.NIEUWENHUIS	NED 2022
22:19.43	S.LOFTUS-CHARLEY	USA	2017	34.09	DIANN UUSTAL	USA	2014		1:16.87	BRIGHTTE MERTEN	GER 2017
22:23.30	M. HEFFERNAN	AUS	2021	34.19	LEIGH RODGERS	AUS	2021		1:17.44	F.WILLIAMSON	USA 2018
22:28.69	BARBARA DUNBAR	USA	2014	34.23	CECILIA MCCLOSKEY	USA	2017		1:17.63	JANETTE JEFFREY	AUS 2021
22:40.65	JEN THOMASSON	AUS	2008	34.50	CHRISTIE CIRAULO	USA	2019		200 M. FREE		
50 M. BACK				34.79	CATHY GANZE	USA	2022		2:29.72	LAURA B VAL	USA 2022
33.59	LAURA VAL	USA	2018	34.80	VERONICA HIBBEN	USA	2021		2:44.16	SANDERINA KRUGER	RSA 2019
35.39	CECILIA MCCLOSKEY	USA	2017	34.84	LYNN MORRISON	USA	2019		2:46.34	S.LOFTUS-CHARLEY	USA 2022
36.18	PENNY NOYES	USA	2019	100 M. FLY					2:46.63	DIANN UUSTAL	USA 2016
36.89	WENDY S MCNAMARA	USA	2021	1:13.70	LAURA VAL	USA	2016		2:48.03	CHRISTEL SCHULZ	GER 2010
37.11	MARGIT OHLSSON	SWE	2011	1:15.18	PENNY NOYES	USA	2019		2:49.80	YOSHIKO OSAKI	JPN 2008
37.38	CLARY MUNNS	AUS	2009	1:20.09	CHARLOTTE DAVIS	USA	2015		2:50.21	CAROLYN BOAK	USA 2018
37.44	DIANN UUSTAL	USA	2011	1:20.90	COLETTE CRABBE	BEL	2022		2:50.27	JANE ASHER	GBR 2002
37.54	SATOKO TAKEUJI	JPN	2009	1:20.90	CECILIA MCCLOSKEY	USA	2016		2:52.42	JEN THOMASSON	AUS 2014
37.59	JEANNIE JOHNSON	AUS	2013	1:22.45	LAURA VACA	MEX	2018		2:53.41	MARTINE REYNAUD	FRA 2022
38.03	CATHY GANZE	USA	2022	1:23.73	ANDRA JAUNZEME	USA	2018		400 M. FREE		
100 M. BACK				1:24.82	VERONICA HIBBEN	USA	2021		5:21.19	LAURA B VAL	USA 2022
1:14.49	LAURA VAL	USA	2018	1:25.18	CHRISTIE CIRAULO	USA	2019		5:41.33	CHARLOTTE M DAVIS	USA 2021
1:18.63	CECILIA MCCLOSKEY	USA	2018	1:26.13	BRIGHTTE MERTEN	GER	2013		5:46.36	S.LOFTUS-CHARLEY	USA 2022
1:21.81	MARGIT OHLSSON	SWE	2010	200 M. FLY					5:54.97	YOSHIKO OSAKI	JPN 2008
1:22.09	WENDY S MCNAMARA	USA	2021	2:57.26	PENNY NOYES	USA	2019		5:58.74	CHERYL A MURRAY	USA 2022
1:22.30	DIANN UUSTAL	USA	2011	3:06.83	LAURA VACA	MEX	2018		5:59.00	JEN THOMASSON	AUS 2013
1:22.53	PENNY NOYES	USA	2019	3:09.32	ANDRA JAUNZEME	USA	2018		6:04.55	MARTINE REYNAUD	FRA 2022
1:22.93	A.PIJTAK-RADERSMA	NED	2022	3:12.74	NANCY MARTIN	USA	2021		6:05.25	JANE ASHER	GBR 2004
1:22.98	LEIGH RODGERS	AUS	2022	3:17.58	S.LOFTUS-CHARLEY	USA	2017		6:06.16	CAROLYN BOAK	USA 2018
1:23.61	CLARY MUNNS	AUS	2009	3:21.42	CAROLYN BOAK	USA	2010		6:11.92	LAVELLE STOINOFF	USA 2003
1:24.16	DIANE COETZEE	RSA	2022	3:23.68	JUNKO SATO	JPN	2019		800 M. FREE		
200 M. BACK				3:24.65	M.NEUMEISTER	GER	2017		11:11.89	LAURA B VAL	USA 2021
2:47.70	LAURA VAL	USA	2019	3:27.62	VERA CIVINOVA	CZE	2022		11:42.97	CHARLOTTE M DAVIS	USA 2021
2:54.48	CECILIA MCCLOSKEY	USA	2018	3:28.48	AMANDA HEATH	GBR	2022		11:51.70	S.LOFTUS-CHARLEY	USA 2022
2:55.61	LEIGH RODGERS	AUS	2022	3:28.48	KIRA MAKAROVA	RUS	2013		12:09.96	CHERYL A MURRAY	USA 2022
2:59.62	A.PIJTAK-RADERSMA	NED	2022	200 M. I.M.					12:13.07	YOSHIKO OSAKI	JPN 2009
3:00.24	MARGIT OHLSSON	SWE	2011	2:51.52	PENNY NOYES	USA	2019		12:15.81	JEN THOMASSON	AUS 2014
3:00.75	DIANN UUSTAL	USA	2013	2:54.16	LAURA VAL	USA	2016		12:32.21	JANE ASHER	GBR 2002
3:02.61	DIANE COETZEE	RSA	2022	2:54.74	CHARLOTTE DAVIS	USA	2016		12:35.14	LAVELLE STOINOFF	USA 2004
3:03.17	EVIE LYNCH	USA	2019	2:56.87	CECILIA MCCLOSKEY	USA	2016		12:35.51	LILI VACA	MEX 2019
3:03.63	KAREN L EINSIDLER	USA	2021	2:58.99	COLETTE CRABBE	BEL	2022		12:36.63	CAROLYN BOAK	USA 2016
3:04.69	WENDY S MCNAMARA	USA	2021	3:02.45	LO KNAPP	USA	2019		1500 M. FREE		
50 M. BRST				3:03.90	AMANDA HEATH	GBR	2022		22:17.49	S.LOFTUS-CHARLEY	USA 2022
40.11	DAGMAR FRESE	GER	2021	3:04.17	CATHY MERRITT	CAN	2017		22:18.76	CHARLOTTE M DAVIS	USA 2021
40.51	GIURGIZA GABRILO	CRO	2012	3:04.35	ANDRA JAUNZEME	USA	2018		23:49.60	JEN THOMASSON	AUS 2016
41.41	JANETTE JEFFREY	AUS	2016	3:05.12	LAURA VACA	MEX	2019		24:06.48	JANE ASHER	GBR 2001
41.49	CAROLE SMITH	ITA	2018	400 M. I.M.					24:14.23	MARCIA BARRY	USA 2018
41.52	MONIKA SENFTLEBEN	GER	2009	6:14.58	PENNY NOYES	USA	2019		24:24.13	LAVELLE STOINOFF	USA 2003
41.57	REGULA STEIGER	SUI	2018	6:15.15	LAURA VAL	USA	2019		24:31.72	MAUREEN MONS	RSA 2021
41.69	BONNIE PRONK	CAN	2007	6:27.15	LAURA VACA	MEX	2018		24:45.08	ROSA SEGARRA	ESP 2022
41.83	AMANDA HEATH	GBR	2022	6:28.60	CHARLOTTE DAVIS	USA	2016		24:49.53	YOSHIKO OSAKI	JPN 2011
41.87	BETH A ESTEL	USA	2021	6:34.02	AUDREY COOPER	GBR	2019		25:01.08	RUTH SHAPS	USA 2018
41.93	C.MAGNUSSON	SWE	2022	6:35.27	AMANDA HEATH	GBR	2022		50 M. BACK		
41.93	DOT MUNGER	USA	2016	6:36.11	SUSANNA SORDELLI	ITA	2022		34.65	LAURA B VAL	USA 2021
100 M. BRST				6:36.27	ANDRA JAUNZEME	USA	2018		38.69	MARGIT OHLSSON	SWE 2015
1:30.15	AMANDA HEATH	GBR	2022	6:36.48	NANCY MARTIN	USA	2021		39.05	CLARY MUNNS	AUS 2017
1:30.16	GIURGIZA GABRILO	CRO	2012	6:37.45	CAROLYN BOAK	USA	2010		39.11	DIANN UUSTAL	USA 2017
1:30.24	DAGMAR FRESE	GER	2022						39.67	SATOKO TAKEUJI	JPN 2012

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39.76	MARGARET TOPPEL	USA	2019	1:31.87	KIRA MAKAROVA	RUS	2018	3:11.83	MARIA PENNA	BRA	2014
40.20	YOKO NAKAMURA	JPN	2018	1:34.51	YOSHIKO OSAKI	JPN	2008	3:12.74	JILL COMPLIN	GBR	2016
40.60	E.KETELSEN	DEN	2013	1:35.09	MARGOT PETTIJOHN	USA	2016	400 M. FREE			
40.72	LINDA P FULTON	USA	2022	1:35.24	CAROLYN BOAK	USA	2018	6:12.25	YOSHIKO OSAKI	JPN	2013
40.84	PAM HUTCHINGS	AUS	2008	1:36.73	S.LOFTUS-CHARLEY	USA	2022	6:13.20	JANE ASHER	GBR	2006
100 M. BACK				1:37.95	MIRA GUGLIELMI	ITA	2022	6:27.04	DIANN UUSTAL	USA	2021
1:17.26	LAURA B VAL	USA	2022	1:37.98	DANA BROWN	USA	2018	6:29.37	CHRISTEL SCHULZ	GER	2015
1:25.20	MARGIT OHLSSON	SWE	2015	200 M. FLY				6:30.01	JEN THOMASSON	AUS	2019
1:25.54	DIANN UUSTAL	USA	2017	3:35.36	CLARY MUNNS	AUS	2016	6:30.77	HEATHER MORGAN	AUS	2019
1:26.15	SATOKO TAKEUJI	JPN	2012	3:37.41	MARGOT PETTIJOHN	USA	2016	6:39.23	ESTER HOLDSHTEIN	ISR	2022
1:27.07	JULIE GUNTHERP	NZL	2017	3:38.65	CHERYL A MURRAY	USA	2022	6:40.92	CAROLYN BOAK	USA	2021
1:28.60	CLARY MUNNS	AUS	2015	3:39.91	JUNE KRAUSER	USA	1996	6:43.02	REIKO ISHIZAKI	JPN	2013
1:29.12	LINDA P FULTON	USA	2022	3:40.14	JUDY WILSON	GBR	2014	6:45.13	JILL COMPLIN	GBR	2016
1:29.63	E.KETELSEN	DEN	2016	3:41.10	CAROLYN BOAK	USA	2016	800 M. FREE			
1:31.07	RACHEL BARTON	GBR	2019	3:43.26	M.NEUMEISTER	GER	2022	12:58.94	JANE ASHER	GBR	2006
1:31.37	HELLA VERSFELD	CAN	2020	3:44.93	HELGA REICH	GER	2007	13:22.23	CAROLYN BOAK	USA	2021
200 M. BACK				3:46.10	S.LOFTUS-CHARLEY	USA	2022	13:22.27	HEATHER MORGAN	AUS	2019
2:49.43	LAURA B VAL	USA	2021	3:47.65	DANIELA BARNEA	USA	2014	13:24.30	JEN THOMASSON	AUS	2021
3:06.24	MARGIT OHLSSON	SWE	2015	200 M. I.M.				13:34.69	YOSHIKO OSAKI	JPN	2014
3:11.54	SATOKO TAKEUJI	JPN	2012	3:00.96	LAURA B VAL	USA	2021	13:57.01	MARIA PENNA	BRA	2014
3:11.78	JULIE GUNTHERP	NZL	2017	3:10.64	BRIGITTE MERTEN	GER	2016	13:58.35	HELGA REICH	GER	2012
3:13.26	LINDA P FULTON	USA	2022	3:13.19	YOSHIKO OSAKI	JPN	2008	13:58.84	JILL COMPLIN	GBR	2015
3:14.31	CLARY MUNNS	AUS	2016	3:14.07	CHRISTEL SCHULZ	GER	2010	14:05.19	NORIKO YOSHIDA	JPN	2019
3:14.66	DIANN UUSTAL	USA	2017	3:14.36	KIRA MAKAROVA	RUS	2019	14:05.80	DENISE ROBERTSON	AUS	2011
3:16.54	NORIKO YOSHIDA	JPN	2014	3:16.45	MARGIT OHLSSON	SWE	2015	1500 M. FREE			
3:16.64	E.KETELSEN	DEN	2013	3:17.78	CLARY MUNNS	AUS	2017	24:41.76	JANE ASHER	GBR	2006
3:18.02	JOY WARD	USA	2012	3:19.48	S.LOFTUS-CHARLEY	USA	2022	26:27.99	ROSA MONTAGUE	AUS	2022
50 M. BRST				3:20.66	SANDERINA KRUGER	RSA	2019	26:41.71	REIKO ISHIZAKI	JPN	2013
42.80	MONIKA SENFTLEBEN	GER	2012	3:20.69	JANETTE JEFFREY	AUS	2022	26:48.86	BEVERLY MONTRELLA	USA	2021
42.98	KAYAKO HIROSE	JPN	2017	400 M. I.M.				26:58.65	DENISE ROBERTSON	AUS	2013
43.19	DANA BROWN	USA	2018	6:54.30	BRIGITTE MERTEN	GER	2016	27:09.75	JEAN TROY	USA	2003
43.45	SHOKO YONEZAWA	JPN	2005	6:54.93	YOSHIKO OSAKI	JPN	2008	27:19.77	ANNE WILLIAMS	USA	2013
43.92	CHARLOTTE M DAVIS	USA	2021	6:57.34	S.LOFTUS-CHARLEY	USA	2022	27:20.22	CLARY MUNNS	AUS	2019
43.98	EDITH BOEHM	GER	1999	7:04.83	CLARY MUNNS	AUS	2016	27:28.06	MARIA PENNA	BRA	2015
44.01	ANNEROSE TROBISCH	GER	2018	7:10.49	CHERYL A MURRAY	USA	2022	27:37.02	SARAH KOPSKY	USA	2016
44.29	JANETTE JEFFREY	AUS	2021	7:12.08	MIRA GUGLIELMI	ITA	2022	50 M. BACK			
44.52	CORNELIA NEUBERT	GER	2022	7:16.18	MARGOT PETTIJOHN	USA	2016	40.08	DIANN UUSTAL	USA	2021
44.77	DIANE FORD	GBR	2013	7:25.26	JANE ASHER	GBR	2001	40.27	CLARY MUNNS	AUS	2019
100 M. BRST				7:27.94	MAUREEN MONS	RSA	2022	40.56	SATOKO TAKEUJI	JPN	2017
1:35.93	NOBUKO YASUDA	JPN	2016	7:28.70	CAROLYN BOAK	USA	2016	42.06	SHOKO YONEZAWA	JPN	2010
1:36.91	CHARLOTTE M DAVIS	USA	2021	*****				42.72	E.KETELSEN	DEN	2018
1:37.39	DIANE FORD	GBR	2013	WOMEN 75-79				42.87	HIROMI SATO	JPN	2017
1:37.72	SHOKO YONEZAWA	JPN	2007	*****				43.16	PAM HUTCHINGS	AUS	2011
1:38.78	JOANN LEILICH	USA	2009	50 M. FREE				43.22	BITTE AXLING	SWE	2022
1:39.11	JANETTE JEFFREY	AUS	2020	34.11	DIANN UUSTAL	USA	2021	43.68	KIRA MAKAROVA	RUS	2022
1:39.14	DANA BROWN	USA	2018	34.85	JANE ASHER	GBR	2006	43.93	JANE ASHER	GBR	2006
1:39.15	MASAYO AZUMA	JPN	2005	35.35	GEORGINA LOPEZ	CAN	2019	100 M. BACK			
1:39.29	KAYAKO HIROSE	JPN	2017	35.48	BEVERLY MONTRELLA	USA	2021	1:28.67	DIANN UUSTAL	USA	2021
1:40.78	MARGOT PETTIJOHN	USA	2016	35.48	CHRISTEL SCHULZ	GER	2015	1:28.96	CLARY MUNNS	AUS	2019
200 M. BRST				35.70	CLARY MUNNS	AUS	2019	1:31.79	SATOKO TAKEUJI	JPN	2017
3:29.25	NOBUKO YASUDA	JPN	2017	35.73	BITTE AXLING	SWE	2022	1:33.47	E.KETELSEN	DEN	2018
3:29.91	CHARLOTTE M DAVIS	USA	2021	35.85	MADELINE LANTHIER	CAN	2018	1:35.14	CHRISTEL SCHULZ	GER	2015
3:30.66	DIANE FORD	GBR	2013	35.90	IKUKO OKADO	JPN	2020	1:35.88	NORIKO YOSHIDA	JPN	2019
3:32.38	JANETTE JEFFREY	AUS	2020	100 M. FREE				1:37.81	YOSHIKO OSAKI	JPN	2015
3:34.32	SHOKO YONEZAWA	JPN	2005	1:17.38	DIANN UUSTAL	USA	2021	1:38.62	JANE ASHER	GBR	2006
3:34.49	JOANN LEILICH	USA	2011	1:19.71	YOSHIKO OSAKI	JPN	2014	1:38.78	DORIS STEADMAN	USA	2000
3:36.45	LUISE KNOPFLE	GER	2009	1:20.10	CHRISTEL SCHULZ	GER	2015	1:39.02	SHOKO YONEZAWA	JPN	2010
3:38.05	MASAYO AZUMA	JPN	2006	1:20.15	JANE ASHER	GBR	2006	200 M. BACK			
3:38.89	TAMAE FURUYA	JPN	2015	1:21.18	KIRA MAKAROVA	RUS	2022	3:16.73	DIANN UUSTAL	USA	2022
3:39.39	KAYAKO HIROSE	JPN	2017	1:23.45	MADELEINE SEVIGNY	CAN	2020	3:16.80	CLARY MUNNS	AUS	2019
50 M. FLY				1:23.58	MADELINE LANTHIER	CAN	2018	3:23.72	E.KETELSEN	DEN	2018
34.93	LAURA B VAL	USA	2022	1:24.31	JEN THOMASSON	AUS	2018	3:25.49	NORIKO YOSHIDA	JPN	2018
35.02	DIANN UUSTAL	USA	2017	1:24.49	BRIGITTE MERTEN	GER	2021	3:27.59	SATOKO TAKEUJI	JPN	2017
35.22	CHARLOTTE M DAVIS	USA	2021	1:25.47	HEATHER MORGAN	AUS	2019	3:28.18	CHRISTEL SCHULZ	GER	2016
36.36	JUDY WILSON	GBR	2014	200 M. FREE				3:31.81	YOSHIKO OSAKI	JPN	2015
37.36	MARGARET TOPPEL	USA	2018	2:51.87	DIANN UUSTAL	USA	2021	3:34.02	G.JANSSSENS	RSA	2019
37.50	SUMIKO KOBAYASHI	JPN	2020	2:54.26	YOSHIKO OSAKI	JPN	2013	3:34.35	JANE ASHER	GBR	2006
37.93	CHRISTEL SCHULZ	GER	2010	2:56.57	JANE ASHER	GBR	2008	3:37.48	DORIS STEADMAN	USA	2000
38.27	BRIGITTE MERTEN	GER	2016	3:00.89	CHRISTEL SCHULZ	GER	2015	50 M. BRST			
38.65	HARUMI SUGIMOTO	JPN	2008	3:05.39	JEN THOMASSON	AUS	2018	43.95	SHOKO YONEZAWA	JPN	2010
39.30	YOSHIKO OSAKI	JPN	2008	3:05.65	ESTER HOLDSHTEIN	ISR	2022	46.69	ELIANE PELLIS	BEL	2009
100 M. FLY				3:06.39	HEATHER MORGAN	AUS	2019	46.72	DIANE FORD	GBR	2019
1:16.07	LAURA B VAL	USA	2021	3:09.33	MADELEINE SEVIGNY	CAN	2020	47.10	JOANN LEILICH	USA	2014
1:24.55	JUDY WILSON	GBR	2014					47.25	DANIELA BARNEA	USA	2019
1:28.99	BRIGITTE MERTEN	GER	2016					47.28	CLARY MUNNS	AUS	2019

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47.48	HEATHER MORGAN	AUS	2019	7:51.71	JUNE KRAUSER	USA	2001	30:41.01	RITA SIMONTON	USA	1999
47.56	KAYAKO HIROSE	JPN	2022	7:53.52	CAROLYN BOAK	USA	2021	50	M. BACK		
47.59	EDITH BOHM	GER	2003	8:08.52	HELGA REICH	GER	2011	45.48	YOSHIKO OSAKI	JPN	2021
47.76	KUMIE TOKUDA	JPN	2012	8:10.16	ANN HIRSCH	USA	2006	46.14	HELEN BIRD	AUS	2018
100	M. BRST			8:17.70	GAIL ROPER	USA	2005	46.39	BUNNY CEDERLUND	USA	2002
1:38.81	SHOKO YONEZAWA	JPN	2010	8:26.53	URSULA FROHLICH	GER	2010	46.51	JANE ASHER	GBR	2012
1:42.18	JOANN LEILICH	USA	2014					46.75	CHRISTEL SCHULZ	GER	2022
1:42.27	DIANE FORD	GBR	2019					47.27	SHOKO YONEZAWA	JPN	2017
1:44.00	LUISE KNOPFLE	GER	2014					47.47	KATHARINA FLORA	HUN	2017
1:44.28	MASAYO AZUMA	JPN	2010					48.41	YOKO ARAI	JPN	2022
1:44.40	DANIELA BARNEA	USA	2019					48.77	ALYCE VOGEL	USA	2014
1:45.78	ELIANE PELLIS	BEL	2009					48.98	EVA JAROSOVA	CZE	2016
1:45.98	A.VAN OBBERGHEN	BEL	2008					100	M. BACK		
1:47.13	ESTER HOLDSHTEIN	ISR	2022					1:41.18	YOSHIKO OSAKI	JPN	2021
1:47.73	KUMIE TOKUDA	JPN	2012					1:41.87	HELEN BIRD	AUS	2017
200	M. BRST							1:43.57	KATI FLORA	HUN	2017
3:40.84	JOANN LEILICH	USA	2014					1:43.79	CHRISTEL SCHULZ	GER	2022
3:41.53	SHOKO YONEZAWA	JPN	2010					1:45.62	EVA JAROSOVA	CZE	2016
3:43.29	LUISE KNOPFLE	GER	2014					1:45.89	K.FLORA-OROSZ	HUN	2018
3:43.88	DIANE FORD	GBR	2019					1:46.11	JANE ASHER	GBR	2011
3:44.29	MASAYO AZUMA	JPN	2011					1:46.39	GERDA WILLIAMS	AUS	2022
3:48.31	DANIELA BARNEA	USA	2019					1:47.29	BETTY LORENZI	USA	2009
3:53.56	A.VAN OBBERGHEN	BEL	2008					1:48.15	KATHARINA FLORA	ROU	2014
3:54.88	ELIANE PELLIS	BEL	2008					200	M. BACK		
3:55.25	SYLVIA NEUHAUSER	AUT	2004					3:39.26	KATHARINA FLORA	HUN	2017
3:55.88	ESTER HOLDSHTEIN	ISR	2022					3:39.27	YOSHIKO OSAKI	JPN	2018
50	M. FLY							3:41.65	CHRISTEL SCHULZ	GER	2022
38.93	JUDY WILSON	FRA	2019					3:44.21	HELEN BIRD	AUS	2018
40.06	CHRISTEL SCHULZ	GER	2015					3:47.96	JANE ASHER	GBR	2012
41.00	BRIGITTE MERTEN	GER	2022					3:51.50	JOY WARD	USA	2022
41.54	HARUMI SUGIMOTO	JPN	2013					3:53.25	BETTY LORENZI	USA	2009
41.61	KIRA MAKAROVA	RUS	2022					3:54.38	UTE REMENYI	AUT	2019
41.99	JANE ASHER	GBR	2006					3:55.60	EVA JAROSOVA	CZE	2016
42.12	CLARY MUNNS	AUS	2019					3:56.63	JUDIE OLIVER	CAN	2014
42.34	CLAIRE O'DWYER	IRL	2016					50	M. BRST		
43.86	KIYOKO YONEDA	JPN	2017					47.59	SHOKO YONEZAWA	JPN	2015
44.00	HEATHER MORGAN	AUS	2019					48.36	ELIANE PELLIS	BEL	2013
100	M. FLY							48.74	GISELA GRUNER	GER	2018
1:33.66	JUDY WILSON	FRA	2019					49.49	AGNES OBBERGHEN	BEL	2012
1:36.09	CLARY MUNNS	AUS	2019					49.52	MARCELA STASTNA	CZE	2017
1:36.59	KIRA MAKAROVA	RUS	2022					51.37	ANNE WILLIAMS	USA	2018
1:41.92	BRIGITTE MERTEN	GER	2022					51.39	JOANN LEILICH	USA	2019
1:47.40	JUDIE OLIVER	CAN	2007					51.62	LUISE KNOPFLE	GER	2019
1:50.12	SYLVIA NEUHAUSER	AUT	2004					51.70	TAYO FUJIEDA	JPN	2018
1:50.44	HELGA REICH	GER	2011					51.75	MASAYO AZUMA	JPN	2015
1:50.84	DANIELA BARNEA	USA	2019					100	M. BRST		
1:50.99	JANE ASHER	GBR	2006					1:45.71	SHOKO YONEZAWA	JPN	2015
1:51.04	MARCELA STASTNA	CZE	2012					1:49.04	JOANN LEILICH	USA	2019
200	M. FLY							1:49.34	MASAYO AZUMA	JPN	2015
3:42.83	CLARY MUNNS	AUS	2019					1:50.05	ELIANE PELLIS	BEL	2013
4:00.75	DANIELA BARNEA	USA	2019					1:50.94	A.VAN OBBERGHEN	BEL	2011
4:03.55	SYLVIA NEUHAUSER	AUT	2004					1:51.32	LUISE KNOPFLE	GER	2019
4:06.08	HELGA REICH	GER	2011					1:53.91	TAYO FUJIEDA	JPN	2018
4:10.69	JUNE KRAUSER	USA	2001					1:54.64	ANNE WILLIAMS	USA	2018
4:12.78	SEIKO HASEBE	JPN	2019					1:57.17	ANN HIRSCH	USA	2011
4:15.99	MARSHA REDDIE	AUS	2021					1:57.56	SANTA JAARSVELD	RSA	2017
4:17.87	GAIL ROPER	USA	2004					200	M. BRST		
4:19.81	LOIS NOCHMAN	USA	1999					3:59.55	JOANN LEILICH	USA	2019
4:21.11	CHRISTA SVOBODOVA	CZE	2012					3:59.60	MASAYO AZUMA	JPN	2015
200	M. I.M.							4:00.42	LUISE KNOPFLE	GER	2019
3:21.84	KIRA MAKAROVA	RUS	2022					4:05.52	A.VAN OBBERGHEN	BEL	2012
3:25.01	CLARY MUNNS	AUS	2019					4:05.92	TAYO FUJIEDA	JPN	2018
3:27.77	BRIGITTE MERTEN	GER	2021					4:06.49	ANNE WILLIAMS	USA	2018
3:32.94	YOSHIKO OSAKI	JPN	2013					4:09.40	SANTA JAARSVELD	RSA	2017
3:33.71	CHRISTEL SCHULZ	GER	2015					4:17.64	ANN HIRSCH	USA	2011
3:37.26	ESTER HOLDSHTEIN	ISR	2022					4:17.76	SYLVIA NEUHAUSER	AUT	2009
3:38.23	DANIELA BARNEA	USA	2019					4:19.28	ANNEMARIE LUDICKE	GER	2018
3:38.46	JANE ASHER	GBR	2006					50	M. FLY		
3:47.23	BEVERLY MONTRELLA	USA	2021					46.21	JANE ASHER	GBR	2011
3:48.16	JUDIE OLIVER	CAN	2007					47.16	CHRISTEL SCHULZ	GER	2022
400	M. I.M.							47.37	GAIL ROPER	USA	2009
7:17.78	CLARY MUNNS	AUS	2019					49.13	JUDIE OLIVER	CAN	2012
7:29.06	BRIGITTE MERTEN	GER	2022					49.85	HISAKO KITAYAMA	JPN	2018
7:39.98	JANE ASHER	GBR	2006					50.03	FUMIKO NAKAMURA	JPN	2018
7:47.11	DANIELA BARNEA	USA	2019					50.82	MARCELA STASTNA	CZE	2017

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51.59	LUISE KNOPFLE	GER	2019	3:31.03	DENISE ROBERTSON	AUS	2020	50	M. BRST		
52.75	SHOKO YAMADA	JPN	2018	3:42.73	HELGA REICH	GER	2022	51.83	AGNES OBBERGHEN	BEL	2016
53.12	KATI FLORA	HUN	2017	3:47.45	TAYO FUJIEDA	JPN	2022	54.32	SHOKO YONEZAWA	JPN	2022
100	M. FLY			3:48.10	KATHARINA FLORA	HUN	2019	55.69	ELIANE PELLIS	BEL	2018
1:54.93	JUDIE OLIVER	CAN	2012	3:49.67	JEAN TROY	USA	2012	55.94	GISELA GRUNER	GER	2022
2:01.54	SYLVIA NEUHAUSER	AUT	2009	3:50.54	DOROTHY DICKEY	AUS	2016	56.16	KATHARINA FLORA	HUN	2019
2:02.16	HELGA REICH	GER	2016	3:52.74	HELEN BIRD	AUS	2022	56.37	TAYO FUJIEDA	JPN	2022
2:02.26	JANE ASHER	GBR	2011	3:53.97	KUMIE TOKUDA	JPN	2022	57.24	OLGA KOKORINA	RUS	2009
2:02.44	MARCELA STASTNA	CZE	2017	3:55.17	NAN BOHL	USA	2014	59.16	JANE ASHER	GBR	2016
2:06.55	LOIS KIVI NOCHMAN	USA	2004	400	M. FREE			59.71	YOKO MIZUNO	JPN	2021
2:08.31	FUMIKO NAKAMURA	JPN	2018	7:10.67	JANE ASHER	GBR	2016	1:01.08	M.KAPCAROVA	SVK	2012
2:09.31	MARY ANN CASE	USA	2022	7:34.44	DENISE ROBERTSON	AUS	2021	100	M. BRST		
2:11.45	IVANA FELGROVA	CZE	2022	7:41.26	KATHARINA FLORA	HUN	2019	1:54.96	AGNES OBBERGHEN	BEL	2016
2:14.91	Y.KAPLAN-BADER	FRA	2008	7:45.93	HELGA REICH	GER	2022	2:03.16	TAYO FUJIEDA	JPN	2022
200	M. FLY			8:00.54	TAYO FUJIEDA	JPN	2022	2:05.71	ELIANE PELLIS	BEL	2018
4:15.19	JUDIE OLIVER	CAN	2012	8:06.04	JEAN TROY	USA	2012	2:09.75	OLGA KOKORINA	RUS	2009
4:22.66	SYLVIA NEUHAUSER	AUT	2009	8:06.45	NAN BOHL	USA	2014	2:13.80	YOKO MIZUNO	JPN	2022
4:28.61	HELGA REICH	GER	2016	8:10.13	DOROTHY DICKEY	AUS	2017	2:15.16	JANE ASHER	GBR	2018
4:34.86	LOIS KIVI NOCHMAN	USA	2004	8:14.05	MARGERIE MEYER	USA	2007	2:20.49	NAN BOHL	USA	2014
5:11.67	Y.KAPLAN-BADER	FRA	2008	8:17.82	RITA SIMONTON	USA	2003	2:21.10	ETSUKO KIMURA	JPN	2015
5:12.38	BETTY RUSS	USA	2008	800	M. FREE			2:21.60	NADIR TAUBERT	BRA	2018
5:19.57	MARY ANN CASE	USA	2022	14:27.71	JANE ASHER	GBR	2016	2:21.66	MARCELA STASTNA	CZE	2022
5:22.67	HIROKO KOBAYASHI	JPN	2020	15:22.75	DENISE ROBERTSON	AUS	2021	200	M. BRST		
5:24.52	JEAN DURSTON	USA	1994	15:50.38	HELGA REICH	GER	2022	4:18.23	AGNES OBBERGHEN	BEL	2016
5:25.69	IVANA FELGROVA	CZE	2022	16:13.47	TAYO FUJIEDA	JPN	2022	4:29.18	TAYO FUJIEDA	JPN	2022
200	M. I.M.			16:45.59	DOROTHY DICKEY	AUS	2015	4:43.93	OLGA KOKORINA	RUS	2009
3:46.26	EVA JAROSOVA	CZE	2016	16:48.12	NAN BOHL	USA	2014	4:56.16	JANE ASHER	GBR	2018
3:53.12	KATI FLORA	HUN	2017	17:09.73	MARGERIE MEYER	USA	2007	5:04.17	ANN HIRSCH	USA	2016
3:54.07	JANE ASHER	GBR	2011	17:10.20	BETTY LORENZI	USA	2013	5:14.41	NAN BOHL	USA	2014
3:59.70	JUDIE OLIVER	CAN	2012	17:14.24	RITA SIMONTON	USA	2003	5:21.96	JEAN TROY	USA	2012
4:07.83	TAYO FUJIEDA	JPN	2019	17:36.58	JANE G OBERG	USA	2022	5:23.25	BARBARA BOHM	GER	2006
4:08.36	ANNE H WILLIAMS	USA	2022	1500	M. FREE			5:24.11	EVA KOPLIKOVA	CZE	2012
4:09.86	MARCELA STASTNA	CZE	2017	28:11.18	JANE ASHER	GBR	2016	5:25.11	DENISE ROBERTSON	AUS	2022
4:12.56	HELGA REICH	GER	2016	30:04.00	HELGA REICH	GER	2022	50	M. FLY		
4:12.60	JOY WARD	USA	2022	32:11.49	MARGERIE MEYER	USA	2009	48.90	KATHARINA FLORA	HUN	2019
4:18.27	ANN HIRSCH	USA	2011	32:18.85	DOROTHY DICKEY	AUS	2016	51.28	JANE ASHER	GBR	2016
400	M. I.M.			32:32.53	BETTY LORENZI	USA	2012	1:00.01	HELGA REICH	GER	2022
8:21.88	JANE ASHER	GBR	2011	32:33.60	RITA SIMONTON	USA	2003	1:01.22	JANE G OBERG	USA	2022
8:23.81	JUDIE OLIVER	CAN	2012	33:30.67	JANE G OBERG	USA	2022	1:01.94	LOIS KIVI NOCHMAN	USA	2009
8:51.30	HELGA REICH	GER	2016	34:33.46	YOSHIKO KINOSHITA	JPN	2016	1:03.82	MARCELA STASTNA	CZE	2022
9:00.09	ANNEMARIE LUDICKE	GER	2018	35:43.52	AIKO HORII	JPN	2015	1:06.15	TAYO FUJIEDA	JPN	2022
9:22.68	DENISE ROBERTSON	AUS	2015	35:55.82	LOTTIE GEURTS	NED	2022	1:06.40	YONE MURATA	JPN	2007
9:24.85	TERUKO MURAKAMI	JPN	2018	50	M. BACK			1:09.14	Y.KAPLAN-BADER	FRA	2013
9:32.43	JEAN TROY	USA	2007	44.92	JANE ASHER	GBR	2016	1:09.19	PATRICIA TULLMAN	USA	2022
9:38.03	JOY WARD	USA	2022	48.85	KATHARINA FLORA	HUN	2019	100	M. FLY		
9:43.23	LOIS KIVI NOCHMAN	USA	2006	49.76	HELEN BIRD	AUS	2022	2:01.26	KATHARINA FLORA	HUN	2019
9:45.48	GERTRUD MEERWALD	GER	2000	51.81	BETTY LORENZI	USA	2012	2:23.89	LOIS KIVI NOCHMAN	USA	2009
*****				52.08	U.MEYER-TONNDORF	GER	2022	2:39.43	JEAN DURSTON	USA	2000
WOMEN 85-89				53.44	BUNNY CEDERLUND	USA	2006	2:40.97	Y.KAPLAN-BADER	FRA	2013
*****				55.68	KIMIKO OOKA	JPN	2014	2:43.95	BETTY RUSS	USA	2015
50	M. FREE			56.57	BETTY CHRISTIAN	USA	2006	2:45.28	DOROTHY WESTON	GBR	1998
38.98	JANE ASHER	GBR	2016	57.01	MARCELA STASTNA	CZE	2022	2:52.47	JAE HOWELL	USA	2007
42.30	FUSAKO HIROOKA	JPN	2022	57.02	MASUMI SHIMADA	JPN	2022	2:58.82	THELMA BRYAN	AUS	2015
43.12	DENISE ROBERTSON	AUS	2020	100	M. BACK			2:58.95	NADIR TAUBERT	BRA	2018
43.45	HELEN BIRD	AUS	2022	1:45.27	KATHARINA FLORA	HUN	2019	2:59.53	JUNE REYNOLDS	USA	2007
44.70	OLGA JOHNSON	NZL	2006	1:52.29	HELEN BIRD	AUS	2022	200	M. FLY		
44.93	MIEKO KAMOSHITA	JPN	2012	1:52.70	JANE ASHER	GBR	2016	5:07.64	LOIS KIVI NOCHMAN	USA	2009
44.97	JEAN TROY	USA	2012	1:54.22	BETTY LORENZI	USA	2012	5:41.48	BETTY RUSS	USA	2012
46.08	NAN BOHL	USA	2014	1:59.55	TAYO FUJIEDA	JPN	2022	5:49.75	JEAN DURSTON	USA	1999
46.20	OLGA KOKORINA	RUS	2012	2:03.17	FUSAKO KATO	JPN	2022	6:12.31	JAE HOWELL	USA	2007
46.72	MARGERIE MEYER	USA	2009	2:04.88	U.MEYER-TONNDORF	GER	2022	6:18.45	Y.KAPLAN-BADER	FRA	2016
100	M. FREE			2:06.41	BUNNY CEDERLUND	USA	2006	6:21.16	THELMA BRYAN	AUS	2015
1:29.29	JANE ASHER	GBR	2016	2:07.47	KERSTIN GJORES	SWE	2012	6:35.26	MAXINE MERLINO	USA	1998
1:35.95	DENISE ROBERTSON	AUS	2020	2:08.11	KIMIKO OOKA	JPN	2014	6:35.92	JUNE REYNOLDS	USA	2007
1:42.24	HELEN BIRD	AUS	2022	200	M. BACK			6:46.13	HARUKO SASAKI	JPN	2017
1:43.68	JEAN TROY	USA	2012	3:43.27	KATHARINA FLORA	HUN	2019	7:18.41	KATHERINE PELTON	USA	1990
1:44.15	HELGA REICH	GER	2022	4:00.25	JANE ASHER	GBR	2016	200	M. I.M.		
1:45.16	NAN BOHL	USA	2014	4:01.92	HELEN BIRD	AUS	2022	3:54.86	KATHARINA FLORA	HUN	2019
1:46.01	TAYO FUJIEDA	JPN	2022	4:11.77	BETTY LORENZI	USA	2012	4:12.71	JANE ASHER	GBR	2016
1:46.13	OLGA KOKORINA	RUS	2009	4:17.58	TAYO FUJIEDA	JPN	2022	4:25.03	TAYO FUJIEDA	JPN	2022
1:46.69	DOROTHY DICKEY	AUS	2017	4:20.84	FUSAKO KATO	JPN	2022	4:34.02	DENISE ROBERTSON	AUS	2020
1:47.59	OLGA JOHNSON	NZL	2006	4:28.69	ITSUKO KATSUBE	JPN	2020	5:00.53	ANN HIRSCH	USA	2016
200	M. FREE			4:29.16	EDITH THEIN	ISR	2003	5:01.26	JEAN TROY	USA	2014
3:21.29	JANE ASHER	GBR	2016	4:35.71	BUNNY CEDERLUND	USA	2006	5:01.29	HELEN BIRD	AUS	2022
				4:38.46	G.SCHOBEL-GRASS	GER	2011	5:07.89	AGNES KISS	HUN	2013

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



5:10.11	Y.KAPLAN-BADER	FRA	2015	36:02.20	RITA SIMONTON	USA	2008	1:22.05	YONE MURATA	JPN	2012
5:11.92	LOIS KIVI NOCHMAN	USA	2009	41:24.45	AIKO HORII	JPN	2022	1:22.77	NORA RONAI	BRA	2014
400 M. I.M.				42:10.07	VALERIE LINCOLN	AUS	2014	1:29.40	CHARLOTTE SANDDAL	USA	2013
8:26.93	KATHARINA FLORA	HUN	2019	42:30.27	WILLY VAN RYSEL	GBR	2006	1:33.12	RITA SIMONTON	USA	2008
10:41.24	BETTY RUSS	USA	2012	43:09.97	JOYCE O'FARRELL	AUS	2010	1:45.61	KALIS RASMUSSEN	CAN	2014
10:45.77	JEAN TROY	USA	2012	44:46.30	MAXINE MERLINO	USA	2002	1:53.22	R.FLORES	MEX	2014
10:48.77	LOIS KIVI NOCHMAN	USA	2009	46:08.30	JOAN K CAMPBELL	USA	2021	2:29.08	GERTRUD ZINT	USA	2007
11:10.37	JEAN DURSTON	USA	1999	47:05.74	CHIYOKO TAKIZAWA	JPN	2012	4:42.00	HILDA BUEL	USA	2006
11:16.32	Y.KAPLAN-BADER	FRA	2014	50 M. BACK				4:57.25	ANNA BAUSCHER	USA	1994
11:21.06	MAXINE MERLINO	USA	1997	54.69	JANE ASHER	GBR	2022	100 M. FLY			
11:56.05	JAE HOWELL	USA	2007	56.89	BETTY LORENZI	USA	2017	3:39.01	NORA RONAI	BRA	2014
12:10.25	THELMA BRYAN	AUS	2015	1:03.49	AILEEN SOULE	USA	1996	4:44.20	R.FLORES	MEX	2014
12:16.14	KALIS RASMUSSEN	CAN	2009	1:04.78	NOEL MORROW	CAN	2009	200 M. FLY			
*****				1:05.08	WILLY VAN RYSEL	GBR	2006	8:52.22	NORA RONAI	BRA	2014
*****				1:05.46	DOROTHY DICKEY	AUS	2020	10:39.85	R.FLORES	MEX	2014
*****				1:06.02	KALIS RASMUSSEN	CAN	2014	200 M. I.M.			
*****				1:06.71	LIZ WALLIS	AUS	2017	6:30.12	RITA SIMONTON	USA	2008
*****				1:06.78	MASAKO KARAMATSU	JPN	2018	6:32.52	NORA RONAI	BRA	2014
*****				1:06.84	KERSTIN GJORES	SWE	2017	6:35.70	MAXINE MERLINO	USA	2003
50 M. FREE				100 M. BACK				6:55.97	KALIS RASMUSSEN	CAN	2014
45.44	JANE ASHER	GBR	2022	1:59.50	JANE ASHER	GBR	2022	7:24.79	R.FLORES	MEX	2014
49.21	DOROTHY DICKEY	AUS	2020	2:07.31	BETTY LORENZI	USA	2017	8:11.91	CHARLOTTE SANDDAL	USA	2014
49.68	OLGA KOKORINA	RUS	2013	2:23.23	AILEEN SOULE	USA	1996	8:39.09	BARBARA M EISELE	USA	2022
51.68	MIEKO KAMOSHITA	JPN	2017	2:25.93	WILLY VAN RYSEL	GBR	2006	12:03.55	HILDA BUEL	USA	2004
52.09	JEAN TROY	USA	2017	2:26.51	DOROTHY DICKEY	AUS	2021	12:10.93	ANNA BAUSCHER	USA	1994
54.97	HISAKO KOGA	JPN	2007	2:27.81	KERSTIN GJORES	SWE	2017	400 M. I.M.			
55.29	LIZ WALLIS	AUS	2017	2:29.43	AIKO GOTO	JPN	2022	14:12.52	NORA RONAI	BRA	2014
55.48	MAURINE KORNFELD	USA	2011	2:30.63	MAURINE KORNFELD	USA	2011	16:29.91	R.FLORES	MEX	2014
55.76	AILEEN SOULE	USA	1996	2:33.12	RITA SIMONTON	USA	2011	*****			
56.28	YONE MURATA	JPN	2012	2:34.29	NOEL MORROW	CAN	2009	*****			
100 M. FREE				200 M. BACK				*****			
1:46.18	JANE ASHER	GBR	2022	4:32.89	JANE ASHER	GBR	2022	*****			
1:49.91	DOROTHY DICKEY	AUS	2020	4:38.73	BETTY LORENZI	USA	2017	*****			
1:58.86	JEAN TROY	USA	2017	5:09.95	DOROTHY DICKEY	AUS	2021	50 M. FREE			
1:59.86	OLGA KOKORINA	RUS	2013	5:17.36	WILLY VAN RYSEL	GBR	2006	1:04.02	MAURINE KORNFELD	USA	2016
2:00.12	HISAKO KOGA	JPN	2007	5:22.62	AIKO GOTO	JPN	2022	1:05.06	LIZ WALLIS	AUS	2022
2:03.13	MIEKO KAMOSHITA	JPN	2017	5:28.09	KALIS RASMUSSEN	CAN	2014	1:07.45	RITA SIMONTON	USA	2013
2:03.52	RITA SIMONTON	USA	2008	5:29.07	AILEEN SOULE	USA	1997	1:12.34	NORA RONAI	BRA	2019
2:05.78	LIZ WALLIS	AUS	2017	5:29.12	G.SCHOBEL-GRASS	GER	2017	1:14.38	SHIZUE SHIMIZU	JPN	2006
2:06.27	AIKO HORII	JPN	2022	5:30.12	MAURINE KORNFELD	USA	2013	1:14.72	MARGO BATES	AUS	2007
2:08.53	MAURINE KORNFELD	USA	2012	5:36.07	KIMIKO OOKA	JPN	2019	1:16.14	SUGAKO KUWAYAMA	JPN	2018
200 M. FREE				50 M. BRST				1:17.53	JULIA DOLCE	USA	2005
3:52.96	JANE ASHER	GBR	2022	1:03.72	OLGA KOKORINA	RUS	2013	1:19.87	KIKUE ISHII	JPN	2016
4:15.41	DOROTHY DICKEY	AUS	2020	1:12.56	JANE ASHER	GBR	2022	1:20.84	CHARLOTTE SANDDAL	USA	2017
4:18.85	JEAN TROY	USA	2017	1:13.20	INGEBORG FRITZE	GER	2012	1:20.84	CLARICE ARTIS	AUS	2013
4:19.80	RITA SIMONTON	USA	2008	1:14.04	JEAN TROY	USA	2017	100 M. FREE			
4:22.36	LIZ WALLIS	AUS	2017	1:15.13	ETSUKO KIMURA	JPN	2019	2:22.74	MAURINE KORNFELD	USA	2016
4:22.57	OLGA KOKORINA	RUS	2013	1:16.17	MARJORIE STONE	USA	2014	2:23.86	RITA SIMONTON	USA	2013
4:30.03	MAURINE KORNFELD	USA	2013	1:18.96	NORA RONAI	BRA	2015	2:31.73	LIZ WALLIS	AUS	2022
4:38.92	AIKO HORII	JPN	2022	1:20.53	MICHELE GUILLAIS	FRA	2011	2:52.51	SUGAKO KUWAYAMA	JPN	2018
4:48.89	BETTY LORENZI	USA	2017	1:23.22	D.FEREBAUEROVA	CZE	2022	2:53.28	VALERIE LINCOLN	AUS	2019
4:51.14	G. MCKENZIE-HICKS	AUS	2018	1:23.59	GWENDOLEN KASPAR	ITA	2019	2:56.83	MIEKO NAGAOKA	JPN	2009
400 M. FREE				100 M. BRST				3:05.81	FUMI MURATA	JPN	2018
8:25.92	JANE ASHER	GBR	2022	2:27.19	OLGA KOKORINA	RUS	2013	3:08.43	JULIA DOLCE	USA	2005
8:38.80	DOROTHY DICKEY	AUS	2020	2:43.03	JEAN TROY	USA	2017	3:09.64	MARGO BATES	AUS	2006
9:04.93	RITA SIMONTON	USA	2008	2:49.30	ETSUKO KIMURA	JPN	2019	3:14.18	KIKUE ISHII	JPN	2016
9:30.36	MAURINE KORNFELD	USA	2011	2:55.27	MARJORIE STONE	USA	2013	200 M. FREE			
9:34.65	JEAN TROY	USA	2018	2:57.56	INGEBORG FRITZE	GER	2011	5:03.47	MAURINE KORNFELD	USA	2016
9:54.69	LIZ WALLIS	AUS	2018	3:04.80	NAKA FUKUOKA	JPN	2013	5:04.08	RITA SIMONTON	USA	2013
9:56.96	AIKO HORII	JPN	2022	3:05.55	MASAKO SHOJI	JPN	2019	5:22.77	LIZ WALLIS	AUS	2022
10:07.56	G. MCKENZIE-HICKS	AUS	2018	3:06.14	NORA RONAI	BRA	2015	6:01.68	VALERIE LINCOLN	AUS	2019
10:30.72	HISAKO KOGA	JPN	2009	3:09.14	KALIS RASMUSSEN	CAN	2014	6:21.07	SUGAKO KUWAYAMA	JPN	2018
10:38.12	BETTY BRUSSEL	CAN	2014	3:09.43	D.FEREBAUEROVA	CZE	2022	6:30.34	MIEKO NAGAOKA	JPN	2009
800 M. FREE				200 M. BRST				7:28.35	CHARLOTTE SANDDAL	USA	2017
18:53.58	RITA SIMONTON	USA	2008	5:21.78	OLGA KOKORINA	RUS	2013	7:34.27	MARGO BATES	AUS	2005
19:28.25	MAURINE KORNFELD	USA	2012	5:52.53	JEAN TROY	USA	2017	7:48.08	LAURA OLIVEIRA	BRA	2014
20:23.41	DOROTHY DICKEY	AUS	2022	6:11.03	ETSUKO KIMURA	JPN	2019	7:59.19	KATH JOHNSTONE	NZL	2014
21:01.30	AIKO HORII	JPN	2022	6:34.01	MARJORIE STONE	USA	2015	400 M. FREE			
21:48.05	G.MCKENZIE-HICKS	AUS	2017	6:38.72	KALIS RASMUSSEN	CAN	2014	10:12.49	MAURINE KORNFELD	USA	2016
22:01.97	VALERIE LINCOLN	AUS	2014	6:49.90	TERUKO ONO	JPN	2018	10:47.07	RITA SIMONTON	USA	2013
22:27.49	BETTY BRUSSEL	CAN	2014	6:53.97	BARBARA BOHM	GER	2010	12:16.30	VALERIE LINCOLN	AUS	2019
22:42.50	WILLY VAN RYSEL	GBR	2006	6:54.46	INGEBORG FRITZE	GER	2012	13:52.13	MIEKO NAGAOKA	JPN	2011
22:59.63	JOYCE O'FARRELL	AUS	2010	6:57.76	MARIA LENK	USA	2005	15:41.63	CHARLOTTE SANDDAL	USA	2017
23:01.12	MARIA LENK	BRA	2005	7:10.69	BETTY BRUSSEL	CAN	2014	15:43.16	KATH JOHNSTONE	NZL	2014
1500 M. FREE				50 M. FLY				18:16.28	BERNARDA ANGULO	ESP	2007
33:36.10	DOROTHY DICKEY	AUS	2020					18:32.26	M.DE FROMONT	FRA	2006
34:29.59	JANE ASHER	GBR	2021								

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22:01.50 ANNE DUNIVIN	USA 2011	18:50.06 NORA RONAI	BRA 2019	4:00.96 ALEKSANDR FEDOROV	RUS 2022
800 M. FREE				4:00.98 HONZA VITAZKA	USA 2002
21:39.10 MAURINE KORNFELD	USA 2017	*****		4:01.70 STEVE MELLOR	GBR 2001
21:53.69 RITA SIMONTON	USA 2013	WOMEN 100-104		4:02.79 MARTIN HOHL	SUI 2009
24:54.86 VALERIE LINCOLN	AUS 2019	*****		4:02.95 BART REYEMEN	BEL 1998
29:29.02 MIEKO NAGAOKA	JPN 2010	50 M. FREE		4:03.32 MARIO MONTOYA	CRC 2014
31:35.73 CHARLOTTE SANDDAL	USA 2017	1:12.84 MAURINE KORNFELD	USA 2021	4:03.63 ALEX KOSTICH	USA 1997
33:53.37 KATH JOHNSTONE	NZL 2012	1:41.88 MIEKO NAGAOKA	JPN 2014	4:05.09 MATTEO MONTANARI	ITA 2017
1500 M. FREE		2:43.80 ANNE DUNIVIN	USA 2016	4:05.35 S.MATANGKAPONG	THA 2019
41:39.68 RITA SIMONTON	USA 2013	5:10.84 MARY MAINA	AUS 1994	800 M. FREE	
54:09.81 MIEKO NAGAOKA	JPN 2011	100 M. FREE		8:22.43 ROBERT NUSSLE	GER 2013
85:21.95 KATH JOHNSTONE	NZL 2015	2:52.45 MAURINE KORNFELD	USA 2021	8:24.46 DAVID HERON	USA 2022
50 M. BACK		3:45.85 MIEKO NAGAOKA	JPN 2014	8:24.67 ALEX KOSTICH	USA 1997
1:14.31 RITA SIMONTON	USA 2013	5:42.81 ANNE DUNIVIN	USA 2016	8:27.48 MICHAEL DMITRIEV	GER 2012
1:16.16 SUGAKO KUWAYAMA	JPN 2018	6:17.75 MARGO BATES	AUS 2010	8:29.22 NICOLAS GRANGER	FRA 1994
1:17.35 MAURINE KORNFELD	USA 2016	200 M. FREE		8:32.05 MATTEO MONTANARI	ITA 2017
1:19.05 MIEKO NAGAOKA	JPN 2009	6:33.32 MAURINE KORNFELD	USA 2021	8:32.92 NEIL TAIT	GBR 1996
1:22.29 FUMI MURATA	JPN 2018	7:48.76 MIEKO NAGAOKA	JPN 2014	8:33.31 MARWAN EL AMRAWY	EGY 2022
1:24.78 KALIS RASMUSSEN	CAN 2019	12:06.09 ANNE DUNIVIN	USA 2016	8:33.41 TAKUTO KITAYAMA	JPN 2019
1:26.82 KIKUE ISHII	JPN 2016	400 M. FREE		8:33.62 S.MATANGKAPONG	THA 2019
1:30.96 INGEBORG FRITZE	GER 2016	16:36.80 MIEKO NAGAOKA	JPN 2014	1500 M. FREE	
1:37.73 KIKU ONO	JPN 2013	800 M. FREE		15:49.04 DAVID HERON	USA 2022
1:39.68 EDITH HENDRY	USA 2007	38:04.30 MIEKO NAGAOKA	JPN 2014	16:13.78 RAFAEL CABANILLAS	ESP 2015
100 M. BACK		1500 M. FREE		16:13.89 ALEX KOSTICH	USA 1997
2:42.67 RITA SIMONTON	USA 2013	74:08.73 MIEKO NAGAOKA	JPN 2014	16:26.06 MARTIN HOHL	SUI 2012
2:47.43 MAURINE KORNFELD	USA 2016	50 M. BACK		16:28.63 C.HANSMANN	GER 2002
2:51.91 SUGAKO KUWAYAMA	JPN 2018	1:29.84 MAURINE KORNFELD	USA 2021	16:28.69 CAMERON REID	USA 1987
2:55.56 MIEKO NAGAOKA	JPN 2010	1:33.89 MIEKO NAGAOKA	JPN 2014	16:29.31 TAKUTO KITAYAMA	JPN 2018
3:00.45 KALIS RASMUSSEN	CAN 2019	2:52.85 MARGO BATES	AUS 2010	16:31.20 JOHN CALNAN	CAN 2006
3:26.93 MASAKO MATSUNO	JPN 2011	100 M. BACK		16:32.95 ROBERT NUSSLE	GER 2012
3:36.72 VALERIE LINCOLN	AUS 2019	3:04.26 MAURINE KORNFELD	USA 2021	16:36.87 NICKY LANGE	GER 2009
3:40.79 CLARICE ARTIS	AUS 2013	3:39.81 MIEKO NAGAOKA	JPN 2014	50 M. BACK	
3:42.90 EDITH HENDRY	USA 2007	6:36.82 MARGO BATES	AUS 2010	25.44 ANTON BUTYMOV	RUS 2016
3:43.56 M.MAANDONKS	NED 2022	200 M. BACK		25.94 RYOUTA MAEJIMA	JPN 2022
200 M. BACK		6:40.62 MAURINE KORNFELD	USA 2021	26.01 K.CHOGRAHIN	THA 2019
5:42.64 MAURINE KORNFELD	USA 2016	8:05.64 MIEKO NAGAOKA	JPN 2014	26.05 ANTON ANCHIN	RUS 2017
5:58.40 KALIS RASMUSSEN	CAN 2019			26.05 ADAM MANIA	USA 2011
6:17.46 RITA SIMONTON	USA 2014	*****		26.09 YURI COSTA	BRA 2014
6:29.99 MIEKO NAGAOKA	JPN 2010	M E N 25-29		26.11 CARRIL PEREIRO	ESP 2017
7:09.94 CHARLOTTE SANDDAL	USA 2017	*****		26.12 VITALIY BORISOV	RUS 2015
7:34.06 GUDRUN KLOOS	RSA 2022	50 M. FREE		26.13 HIROKI SAKURAI	JPN 2019
7:52.01 EDITH HENDRY	USA 2007	22.30 ARI LIUKONNEN	FIN 2017	26.18 HIDEAKI AOKI	JPN 2010
8:49.98 BERNARDA ANGULO	ESP 2009	22.75 SHUN KAWASAKI	JPN 2022	100 M. BACK	
11:32.56 ANNE DUNIVIN	USA 2011	22.79 A.WADDELL	AUS 1992	55.09 RYOUTA MAEJIMA	JPN 2021
50 M. BRST		22.94 PAVEL ZINKEVICH	BLR 2015	55.49 OMAR PINZON	COL 2016
1:38.21 KALIS RASMUSSEN	CAN 2019	22.97 SERGEY MUKHIN	RUS 2013	55.87 KURT CROSLAND	NZL 2013
1:39.79 NORA RONAI	BRA 2019	23.00 FELIPE MESSIAS	BRA 2018	56.20 VITALIY BORISOV	RUS 2015
1:44.41 NAKA FUKUOKA	JPN 2018	23.04 WYATT UBELLACKER	USA 2019	56.35 ANTON BUTYMOV	RUS 2016
2:07.19 M.MAANDONKS	NED 2022	23.08 LINUS MAGNUSSON	SWE 2019	56.61 ANTON ANCHIN	RUS 2017
2:10.38 GUDRUN KLOOS	RSA 2022	23.08 RYO ISHII	JPN 2018	56.80 CHRIS KING	RSA 2012
2:16.08 CHARLOTTE SANDDAL	USA 2017	23.12 ALEXANDRE AGOSTIN	POR 2015	57.00 KEVIN DOAK	USA 2008
2:24.40 MIEKO NAGAOKA	JPN 2011	100 M. FREE		57.08 DMITRIY GORBUNOV	RUS 2019
3:02.62 KATH JOHNSTONE	NZL 2014	50.45 MATTHEW MCGINNIS	USA 2013	57.10 DAVID DURANGO	ESP 2017
3:13.99 MICHICO HAMURO	JPN 2014	50.64 WILLIAM WAGNER	USA 2019	200 M. BACK	
4:20.32 ROSA SELLARES	ESP 2005	50.74 FELIPE MESSIAS	BRA 2018	1:59.69 OMAR PINZON	COL 2016
100 M. BRST		50.74 NICK SHACKELL	USA 2000	2:02.76 DMITRIY GORBUNOV	RUS 2019
3:47.12 KALIS RASMUSSEN	CAN 2019	50.75 KOSUKE MAEDA	JPN 2015	2:03.61 HAYES JOHNSON	USA 2017
4:35.18 M.MAANDONKS	NED 2022	50.81 A.LIUKKONEN	FIN 2014	2:03.62 CHRIS KING	RSA 2012
4:37.87 CHARLOTTE SANDDAL	USA 2017	51.06 ADAM RITTER	USA 2013	2:03.80 KAMIL KASPROWICZ	GER 2010
4:56.55 GUDRUN KLOOS	RSA 2022	51.16 MICHAL BIELAWSKI	POL 2018	2:04.84 ANTON ANCHIN	RUS 2017
8:00.98 MICHICO HAMURO	JPN 2014	51.22 CAMERON OWEN	USA 2016	2:05.60 RYOUTA MAEJIMA	JPN 2022
200 M. BRST		51.23 EDVALDO SILVA	BRA 2007	2:06.30 ADRIANO NIZ	POR 2015
7:42.36 KALIS RASMUSSEN	CAN 2019	200 M. FREE		2:07.24 DAVID DURANGO	ESP 2017
9:18.96 CHARLOTTE SANDDAL	USA 2017	1:50.76 DAVID ALCOLADO	ESP 2017	2:07.57 JOHN KEPPELER	USA 1992
9:51.05 M.MAANDONKS	NED 2021	1:50.97 ALEKSANDR FEDOROV	RUS 2022	50 M. BRST	
10:30.05 GUDRUN KLOOS	RSA 2022	1:51.00 JOHN KEPPELER	USA 1996	27.21 KIRILL STRELNIKOV	RUS 2021
50 M. FLY		1:51.39 ADAM RITTER	USA 2013	27.58 ANTON PANFEROV	RUS 2019
1:56.76 NORA RONAI	BRA 2019	1:52.19 JOE TRISTAN	USA 2000	27.58 KANAYA YUKI	JPN 2019
100 M. FLY		1:52.39 MATEO DE ANGULO	COL 2016	27.65 MAREK BOTIK	SVK 2017
5:12.53 NORA RONAI	BRA 2019	1:52.77 MARIO MONTOYA	CRC 2014	27.78 SHOTARO SHIMAZAKI	JPN 2021
200 M. FLY		1:52.82 CHRIS KING	RSA 2012	27.79 RENATO FERNANDEZ	PAR 2019
12:05.78 NORA RONAI	BRA 2019	1:53.16 CHRISTIAN HEIN	GER 2007	27.83 PAVEL ROMANOV	USA 2022
200 M. I.M.		1:53.68 EDVALDO SILVA	BRA 2007	27.84 IGOR GOLOVIN	RUS 2015
8:51.10 NORA RONAI	BRA 2019	400 M. FREE		27.96 MARK GANGLOFF	USA 2011
400 M. I.M.		3:58.94 MATEO DE ANGULO	COL 2016	28.02 KOHHEI TOMINAGA	JPN 2019

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100	M.	BRST		4:32.96	ALEX KOSTICH	USA 1997	25.97	DARIAN TOWNSEND	USA 2016
59.93		JORGE MURILLO	COL 2016	4:34.08	CAMERON REID	USA 1987	26.02	STEFAN HERBST	GER 2011
1:00.39		KIRILL STRELNIKOV	RUS 2021	4:37.95	ANTON AGESHKIN	RUS 2021	26.05	CHARLES HOCKIN	PAR 2022
1:01.22		SHOTARO SHIMAZAKI	JPN 2021	4:40.43	CONRADO LINO	BRA 2019	26.17	JONATAN KOPELEV	ISR 2021
1:01.66		KANAYA YUKI	JPN 2018	*****			26.36	TOMOYA FUKUI	JPN 2019
1:01.83		PAVEL ROMANOV	USA 2022	*****			26.41	CARLOS REQUENO	ESP 2022
1:02.18		C.BURCKLE	USA 2013	M E N 30-34			26.42	KEVIN DOAK	USA 2012
1:02.19		RYO KOBAYASHI	JPN 2013	*****			26.46	KAZUKI OOBAYASHI	JPN 2019
1:02.44		GARY MARSHALL	USA 2008	50	M.	FREE	26.52	D. BLACKBORROW	AUS 2016
1:02.65		CHRISTOPHER JONES	GBR 2007	22.13	ROLAND SCHOEMAN	USA 2013	26.54	LEONARDO SUMIDA	BRA 2017
1:03.16		A.VLADIMIROV	RUS 2015	22.53	SABIR MUHAMMAD	USA 2009	26.54	R.FLOREA	ROM 2010
200	M.	BRST		22.62	A.LIUKKONEN	FIN 2020	100	M.	BACK
2:11.78		C.BURCKLE	USA 2013	22.68	FELIPE MESSIAS	BRA 2019	55.93	DARIAN TOWNSEND	USA 2014
2:12.81		JORGE MURILLO	COL 2016	22.80	ROBERT PEEL	USA 1996	56.55	STEFAN HERBST	GER 2011
2:15.47		KANAYA YUKI	JPN 2018	22.91	BRIAN JACOBSON	USA 2005	56.69	KANEKO MASAKI	JPN 2022
2:16.70		GARY MARSHALL	USA 2008	22.95	RYO ISHII	JPN 2022	56.71	JUNICHI MORITA	JPN 2022
2:17.51		JOHANNES DIETRICH	AUT 2018	22.95	EVGENIY LAGUNOV	RUS 2018	56.99	CHARLES HOCKIN	PAR 2022
2:17.97		P.KAEWRUNGUEANG	THA 2019	23.08	HENRIQUE MARTINS	BRA 2022	57.22	TAKASHI TAKEMOTO	JPN 2018
2:18.17		CHRISTOPHER JONES	GBR 2008	23.09	YOSHIHIRO ASO	JPN 2018	57.24	MARTIN HARRIS	GBR 2000
2:18.56		JACOB JORGENSEN	DEN 2022	100	M.	FREE	57.46	R.FLOREA	ROM 2010
2:19.39		ANTON AGESHKIN	RUS 2021	49.80	DARIAN TOWNSEND	USA 2016	57.47	D. BLACKBORROW	AUS 2016
2:19.73		ARTEM BABIKHIN	RUS 2018	50.20	BENJAMIN HOCKIN	PAR 2019	57.58	KEVIN DOAK	USA 2012
2:19.73		DAISUKE KIMURA	JPN 2010	50.34	ADAM RITTER	USA 2015	200	M.	BACK
50	M.	FLY		50.39	EVGENIY LAGUNOV	RUS 2018	2:02.75	ROGERIO ROMERO	BRA 2000
23.58	M.	PATTERSON	AUS 2013	50.70	FELIPE MESSIAS	BRA 2019	2:04.43	R.FLOREA	ROM 2010
23.71		KOHEI KAWAMOTO	USA 2008	50.79	P.KORZENIOWSKI	POL 2018	2:04.92	HAYATE MATSUBARA	JPN 2021
24.01		RYO ISHII	JPN 2015	50.84	S.KUNZELMANN	GER 2009	2:05.62	SEAN MURPHY	USA 1994
24.20		TAKUYA KAGAMI	JPN 2018	51.06	ADAM PINE	AUS 2009	2:06.21	TAKASHI TAKEMOTO	JPN 2018
24.27		KAZUYA KISHI	JPN 2022	51.24	P.KUTSCHER	GER 2009	2:06.30	MARTIN HARRIS	GBR 2000
24.27		JACK MARRIOTT	GBR 2017	51.32	SERGEY MUKHIN	RUS 2015	2:06.61	KEITH BEAVERS	CAN 2014
24.33		OLEG KUZNYETSOV	UKR 2018	200	M.	FREE	2:07.06	JUNICHI MORITA	JPN 2019
24.35		SERGEY MUKHIN	RUS 2013	1:49.56	DARIAN TOWNSEND	USA 2016	2:07.34	A.MIGUEL NIZ	POR 2016
24.39		CARLOS VIVEROS	COL 2016	1:52.13	ADAM RITTER	USA 2015	2:07.43	GEORGIOS DEMETIS	GRE 2017
24.41		SATOH KAICHI	JPN 2019	1:52.81	CHRISTIAN ORJUELA	COL 2017	50	M.	BRST
100	M.	FLY		1:53.15	DANIEL KOWALSKI	AUS 2009	27.58	RENATO PRONO	PAR 2022
53.09		KOHEI KAWAMOTO	USA 2008	1:53.33	JACOB CARSTENSEN	DEN 2010	27.74	KOHHEI TOMINAGA	JPN 2022
53.41	M.	PATTERSON	AUS 2013	1:53.46	TAMAS KEREKJARTO	USA 2009	27.95	RYO KOBAYASHI	JPN 2019
54.00		CARLOS VIVEROS	COL 2016	1:54.18	D.STOCKINGER	AUT 2012	28.14	DMYTRO CHERKASOV	UKR 2021
54.07		GLAUBER SILVA	BRA 2015	1:54.25	YURIY UFIMTSEV	RUS 2014	28.24	SERGEY GEYBEL	RUS 2015
54.29		MATTHEW BOWE	GBR 2008	1:54.32	MASATAKA MISHIMA	JPN 2019	28.33	TAKAAKI OOKAWA	JPN 2022
54.61		A.PRIBYTOK	RUS 2022	1:54.33	JOSH DAVIS	USA 2006	28.59	CARLOS ALENCAR	BRA 2009
54.73		M.BABUCHOWSKI	POL 2012	400	M.	FREE	28.63	OLEG LISOGOR	UKR 2010
54.79		ALEXANDRU COCI	ROU 2018	3:58.12	DARIAN TOWNSEND	USA 2016	28.79	WOLFGANG MAIER	GER 2016
54.86		V.SEMHAIKIN	UKR 2017	3:58.42	DANIEL KOWALSKI	AUS 2009	28.83	STEFANO ANCARAMI	ITA 2022
54.94		KOHEI FUKAZAWA	JPN 2021	4:00.33	R.MONASTERIO	VEN 2010	100	M.	BRST
54.94		TAKATSUGU OGA	JPN 2014	4:01.06	JAN WOLFGARTEN	GER 2012	1:01.25	RYO KOBAYASHI	JPN 2019
200	M.	FLY		4:01.70	JACOB CARSTENSEN	DEN 2012	1:02.71	ED MOSES	USA 2011
2:00.74		A.PRIBYTOK	RUS 2022	4:04.17	MATTEO MONTANARI	ITA 2019	1:02.90	EDUARDO FISCHER	BRA 2011
2:00.98		KO FUKAYA	JPN 2019	4:04.37	THOMAS LURZ	GER 2012	1:03.07	KOHHEI TOMINAGA	JPN 2022
2:03.26		SATOSHI TORATANI	JPN 2008	4:05.01	ROSTISLAV VITEK	CZE 2009	1:03.16	ADAM RITTER	USA 2015
2:03.73		THOMAS LUCHSINGER	USA 2020	4:05.19	CARLOS PAVAO	BRA 2007	1:03.26	RADOMYOS MATJIUR	THA 2019
2:04.14		KIMITAKA MINOBE	JPN 2003	4:05.61	ERIK HOCHSTEIN	USA 2002	1:03.54	HAJIME IKEGAMI	JPN 2018
2:04.55		TAKATSUGU OGA	JPN 2018	800	M.	FREE	1:03.59	GARY MARSHALL	USA 2013
2:04.73		SOHEI WASHINO	JPN 2018	8:08.68	JAN WOLFGARTEN	GER 2012	1:03.67	RYOSUKE IMAI	JPN 2011
2:05.26		PHILIPP GILGEN	SUI 2003	8:10.78	THOMAS LURZ	GER 2012	1:03.90	WOLFGANG MAIER	GER 2016
2:05.40		KOHEI FUKAZAWA	JPN 2022	8:16.52	R.MONASTERIO	VEN 2010	200	M.	BRST
2:05.76		JASON EADDY	USA 2002	8:18.76	DANIEL KOWALSKI	AUS 2009	2:18.04	GARY MARSHALL	USA 2012
200	M.	I.M.		8:26.26	CARLOS PAVAO	BRA 2007	2:18.99	DMITRIY GORBUNOV	RUS 2022
2:03.62		DMITRIY GORBUNOV	RUS 2019	8:27.41	ROSTISLAV VITEK	CZE 2009	2:19.57	RADOMYOS MATJIUR	THA 2019
2:04.40		ADAM RITTER	USA 2013	8:28.76	CHAD LA TOURETTE	USA 2019	2:19.57	HAJIME IKEGAMI	JPN 2018
2:04.41		YAMADA HIROYA	JPN 2022	8:28.77	MATTEO MONTANARI	ITA 2019	2:19.67	ED MOSES	USA 2011
2:05.89		YUDAI AMADA	JPN 2022	8:33.81	R.QUINTANILLA	ESP 2017	2:19.91	BENNO HAWA	GER 2016
2:05.98		KAMIL KASPROWICZ	GER 2010	8:35.16	IGOR PIOVESAN	ITA 2008	2:20.43	NICK GILLINGHAM	GBR 1999
2:06.33		HONZA VITAZKA	USA 2002	1500	M.	FREE	2:21.25	HIROYUKI KOSAKA	JPN 2009
2:06.45		YUTA SHOJI	JPN 2009	15:25.79	JAN WOLFGARTEN	GER 2012	2:21.28	TOMASZ DUSZYNSKI	POL 2008
2:06.59		TOBIAS ORIWOL	USA 2014	15:52.24	CHAD LA TOURETTE	USA 2019	2:21.34	EDOARDO GATTI	ITA 2022
2:07.00		NICOLAS GRANGER	FRA 1994	16:30.20	MATTEO MONTANARI	ITA 2020	50	M.	FLY
2:07.02		ARNAUD RONDAN	FRA 2013	16:30.41	ASUKA KOIZUMI	JPN 2009	23.26	ROLAND SCHOEMAN	USA 2013
400	M.	I.M.		16:30.57	MARTIN HOHL	SUI 2013	23.58	HENRIQUE MARTINS	BRA 2022
4:29.28		ARNAUD RONDAN	FRA 2013	16:33.47	R.QUINTANILLA	ESP 2017	23.79	MICHAL SKRODZKI	AUS 2016
4:30.05		DIOGO YABE	BRA 2009	16:33.70	IGOR PIOVESAN	ITA 2008	24.05	FELIPE MESSIAS	BRA 2019
4:31.47		NICOLAS GRANGER	FRA 1994	16:34.31	DAVID GENET	FRA 2012	24.16	KAZUKI OOBAYASHI	JPN 2019
4:31.76		YUDAI AMADA	JPN 2022	16:35.67	SEBASTIAN WIESE	GER 2003	24.25	NIKITA KONOVALOV	RUS 2018
4:32.19		HONZA VITAZKA	USA 2002	16:36.06	BOBBY PATTEN	USA 1993	24.41	GLAUBER SILVA	BRA 2016
4:32.45		DIRK ZINNOW	GER 2000	50	M.	BACK	24.42	BENJAMIN HOCKIN	PAR 2019

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



24.47	UENO TATSUYA	JPN	2019	1:55.36	ROWDY GAINES	JPN	1994	50	M. BRST		
24.59	KEVIN DOAK	USA	2012	1:55.62	MICHAEL ROSS	USA	2006	28.35	RYO KOBAYASHI	JPN	2022
100	M. FLY			1:55.63	IOAN GHERGHEL	ROU	2015	28.53	JEFF COMMINGS	USA	2009
53.10	HENRIQUE MARTINS	BRA	2022	1:55.68	JOCHEN BRUHA	GER	2004	28.61	FELIPE SANTOS	BRA	2016
53.11	ADAM PINE	AUS	2009	1:55.77	CLAUS IVERSON	DEN	2015	28.64	GRIGORIY FALKO	RUS	2022
53.65	DARIAN TOWNSEND	USA	2014	1:56.02	RONALD KARNAUGH	USA	2003	28.68	MARKIC MATJAZ	SLO	2018
54.12	MAKSIM GANIKHIN	RUS	2017	1:56.31	HIDEAKI HARA	JPN	2012	28.80	FELIPE DOS SANTOS	USA	2018
54.14	BENJAMIN HOCKIN	PAR	2019	1:56.45	GUSTAVO HELENO	BRA	2011	28.80	VLADISLAV BRAGIN	RUS	2009
54.19	I.GHERGHEL	ROM	2010	400	M. FREE			28.85	SERGEY GEYBEL	RUS	2017
54.61	V.SEMHAIKIN	UKR	2019	4:05.91	PETAR STOYCHEV	GER	2012	29.03	GEOFF WELLS	USA	2021
54.63	KAZUKI OOBAYASHI	JPN	2019	4:06.73	GUSTAVO HELENO	BRA	2011	29.09	WALLY DICKS	USA	1998
54.83	KEVIN DOAK	USA	2012	4:07.53	NICOLA NISATO	ITA	2017	100	M. BRST		
54.96	UENO TATSUYA	JPN	2019	4:07.64	ROWDY GAINES	USA	1995	1:02.40	RYO KOBAYASHI	JPN	2020
200	M. FLY			4:09.32	DARIAN TOWNSEND	USA	2019	1:03.60	GRIGORIY FALKO	RUS	2022
2:00.33	MIGUEL ALCALDE	ESP	2007	4:09.74	DANIEL VERDAGUER	ESP	2006	1:03.76	JEFF COMMINGS	USA	2013
2:03.43	TAKATSUGU OGA	JPN	2019	4:10.11	MARKUS ROGAN	USA	2019	1:03.89	PAVEL BUYANOV	RUS	2019
2:03.76	MATT HAUPT	USA	2010	4:10.15	CLAUS IVERSEN	DEN	2012	1:04.29	GEOFF WELLS	USA	2021
2:03.85	BOBBY PATTEN	USA	1995	4:10.31	ERIK HOCHSTEIN	USA	2003	1:04.73	NICK GILLINGHAM	GBR	2004
2:05.28	MAKSIM GANIKHIN	RUS	2017	4:10.54	IGOR PIOVESAN	ITA	2009	1:04.78	FELIPE DOS SANTOS	USA	2018
2:06.79	ASUKA KOIZUMI	JPN	2009	800	M. FREE			1:04.79	HAJIME IKEGAMI	JPN	2022
2:06.82	PHILIPPE MEYER	SUI	2005	8:18.44	PETAR STOYCHEV	GER	2012	1:04.91	STEVE WEST	USA	2011
2:06.84	IAN BECK	GBR	1996	8:35.29	GUSTAVO HELENO	BRA	2011	1:04.97	KRASIMIR ZAHOV	BUL	2014
2:07.67	DENNY FERRONI	ITA	2018	8:36.90	NICOLA NISATO	ITA	2017	200	M. BRST		
2:07.71	JAMES BELARDI	USA	1987	8:38.73	ROWDY GAINES	USA	1996	2:20.29	NICK GILLINGHAM	GBR	2004
200	M. I.M.			8:39.37	ANDREA MARCATO	ITA	2009	2:20.34	STEVE WEST	USA	2011
2:02.05	DARIAN TOWNSEND	USA	2016	8:39.49	IGOR PIOVESAN	ITA	2009	2:21.87	RON KARNAUGH	USA	2001
2:03.54	DIOGO YABE	BRA	2011	8:41.16	DANIEL VERDAGUER	ESP	2006	2:22.02	GRIGORIY FALKO	RUS	2022
2:04.91	KEITH BEAVERS	CAN	2014	8:41.53	R SEAN JUSTICE	USA	2011	2:22.80	KRASIMIR ZAHOV	BUL	2014
2:05.52	ISTVAN BATHAZI	USA	2009	8:41.59	IGOR CHERVINSKIY	UKR	2018	2:22.89	RYO KOBAYASHI	JPN	2021
2:05.60	TAMAS KEREKJARTO	USA	2010	8:41.79	L.GIOVANNINI	ITA	2022	2:23.03	ANDREY IVANOV	RUS	2015
2:07.38	JACOB CARSTENSEN	DEN	2010	1500	M. FREE			2:23.46	STEPHAN PERROT	FRA	2016
2:07.47	JUNICHI MORITA	JPN	2022	16:00.04	PETAR STOYCHEV	GER	2012	2:23.54	GEOFF WELLS	USA	2018
2:07.83	ALEXEY ZATSEPIN	RUS	2015	16:32.72	CHRISTOPHER DERKS	USA	2008	2:23.79	CHRISTOPHER JONES	GBR	2019
2:07.96	ADAM RITTER	USA	2015	16:36.50	ANDREA MARCATO	ITA	2009	50	M. FLY		
2:07.97	KOSUKE KOJIMA	USA	2009	16:37.34	ROWDY GAINES	USA	1995	24.03	BENJAMIN HOCKIN	PAR	2022
400	M. I.M.			16:37.63	ROGER RABASSA	ESP	2018	24.14	KOHEI KAWAMOTO	USA	2015
4:20.81	DARIAN TOWNSEND	USA	2016	16:38.48	R SEAN JUSTICE	USA	2011	24.38	STEFANO RAZETO	GER	2022
4:24.11	LUKASZ WOJT	GER	2013	16:40.90	IGOR PIOVESAN	ITA	2009	24.41	P.KORZENIOWSKI	POL	2022
4:31.36	DIOGO YABE	BRA	2012	16:43.67	MARKUS ROGAN	USA	2019	24.47	RYAN PINI	PNG	2017
4:32.74	KEITH BEAVERS	CAN	2014	16:45.04	MIKE SHAFFER	USA	2002	24.69	RYK NEETHLING	RSA	2012
4:33.91	THOMAS LURZ	GER	2012	16:46.38	RAFAEL CARANILLAS	ESP	2022	24.75	NIKOLAY SKVORTSOV	RUS	2019
4:34.86	JUNICHI MORITA	JPN	2022	50	M. BACK			24.75	MARK FOSTER	GBR	2005
4:35.41	ASUKA KOIZUMI	JPN	2010	26.11	LUBOS KRIZKO	CZE	2016	24.94	ALISTAIR CRAWFORD	GBR	2019
4:37.82	CHRISTIAN ORJUELA	COL	2017	26.18	STEFANO RAZETO	GER	2022	25.00	WADE KING	USA	2002
4:38.28	JULIEN BAILLOD	SUI	2012	26.43	RYAN PINI	PNG	2017	100	M. FLY		
4:38.36	C.SORRENTINO	ITA	2008	26.54	JEFF NATALIZIO	USA	2019	53.65	KOHEI KAWAMOTO	USA	2018
*****				26.72	MANABU SASAKI	JPN	2022	53.93	P.KORZENIOWSKI	POL	2022
	M E N 35-39			26.98	DARIAN TOWNSEND	USA	2019	54.39	NIKOLAY SKVORTSOV	RUS	2019
*****				26.99	STEV THELOKE	GER	2013	55.35	IOAN GHERGHEL	ROU	2015
50	M. FREE			27.00	RODRIGO FERREIRA	BRA	2019	55.43	TAMAS KEREKJARTO	USA	2015
22.76	MARK FOSTER	GBR	2005	27.02	MASAYA KANEKO	JPN	2022	55.58	DIOGO YABE	BRA	2016
22.80	STEFANO RAZETO	GER	2022	27.03	KENICHI KANEKO	JPN	2017	55.59	BENJAMIN HOCKIN	PAR	2022
23.09	ANTHONY ERVIN	USA	2019	27.03	EDILSON SILVA	USA	2009	55.62	BRENT CREAGER	USA	2015
23.19	EDUARD LORENTE	ESP	2014	100	M. BACK			55.82	HIDEAKI HARA	JPN	2011
23.20	ROWDY GAINES	JPN	1994	57.91	RYAN PINI	PNG	2017	55.84	EIJI NOMURA	JPN	2009
23.22	BENJAMIN HOCKIN	PAR	2022	58.14	MANABU SASAKI	JPN	2022	200	M. FLY		
23.28	MIKEL BILDOSOLA	ESP	2022	58.20	BENJAMIN HOCKIN	PAR	2022	2:02.54	NIKOLAY SKVORTSOV	RUS	2019
23.28	RYK NEETHLING	RSA	2012	58.48	MARCO MACCIANTI	ITA	2016	2:04.76	BRENT CREAGER	USA	2015
23.28	M.GIALDI	ITA	2004	58.86	IOAN GHERGHEL	ROU	2015	2:05.98	TAMAS KEREKJARTO	USA	2015
23.37	BRIAN JACOBSON	USA	2012	58.87	FELIX STEINHAEUER	SUI	2017	2:06.74	JEFF STUART	USA	1996
100	M. FREE			59.04	STEV THELOKE	GER	2013	2:07.13	BERNIE ZERUHN	USA	2006
50.69	BENJAMIN HOCKIN	PAR	2022	59.17	M.WAKABAYASHI	JPN	2020	2:08.13	KIMITAKA MINOBE	JPN	2011
50.78	HIDEAKI HARA	JPN	2009	59.18	MICHAEL ROSS	USA	2006	2:08.51	WILLIAM SPECHT	USA	1994
51.45	ADAM J RITTER	USA	2021	59.36	C.GIBSON	USA	2019	2:08.65	MIKE SHAFFER	USA	2002
51.49	ROWDY GAINES	USA	1995	200	M. BACK			2:09.03	PHILIPPE MEYER	SUI	2006
51.52	MIKEL BILDOSOLA	ESP	2018	2:07.16	RON KARNAUGH	USA	2001	2:09.10	FRANK WATTLES	USA	2007
51.69	P.KORZENIOWSKI	POL	2022	2:07.97	MARCO MACCIANTI	ITA	2016	200	M. I.M.		
51.73	ANTHONY ERVIN	USA	2019	2:08.16	KEVIN T NEAD	USA	2022	2:05.65	DARIAN TOWNSEND	USA	2019
51.98	SVEN LODZIEWSKI	GER	2004	2:08.66	HIROAKI INOU	JPN	2016	2:07.24	DIOGO YABE	BRA	2016
52.15	RICHARD SAEGER	USA	2001	2:09.26	DANIEL VEATCH	USA	2000	2:07.84	MARKUS ROGAN	USA	2019
52.18	MARKUS ROGAN	USA	2019	2:09.65	DARRYL FOLLOWS	NZL	2002	2:08.19	RON KARNAUGH	USA	2002
200	M. FREE			2:09.67	A.PONTALTI	ITA	2012	2:09.85	I.DRYMONAKOS	GRE	2019
1:52.84	VLAD PYSHNENKO	USA	2006	2:10.24	EDUARDO SEVIERI	BRA	2019	2:10.00	KEVIN T NEAD	USA	2022
1:54.86	RICHARD SAEGER	USA	2001	2:10.38	NICHOLAS GRANGER	FRA	2002	2:11.01	RYOYA TAGUCHI	JPN	2022
				2:10.59	RICK GOULD	USA	2006	2:11.23	NICOLAS GRANGER	FRA	2002

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



2:11.54	ANTONINO TRIPPEDO	ITA	2015	16:36.91	ALEX KOSTICH	USA	2010	2:27.35	HIROYUKI KOSAKA	JPN	2017
2:12.03	TAMAS KEREKJARTO	USA	2014	16:39.60	JEFF ERWIN	USA	2008	50 M. FLY			
400 M. I.M.				16:41.48	SAMUELE PAMPANA	ITA	2016	24.32	ANDREJS DUDA	LAT	2022
4:34.10	RON KARNAUGH	USA	2001	16:45.53	MICHAEL KLEIBER	GER	2003	25.06	EIJI NOMURA	JPN	2015
4:36.66	I.DRYMONAKOS	GRE	2019	16:45.80	GUSTAVO HELENO	BRA	2016	25.07	SERKAN ATASAY	TUR	2011
4:37.36	DIOGO YABE	BRA	2016	16:48.68	TIMOTHY GALLAUDET	USA	2008	25.11	JAMES ZENYUH	USA	2018
4:38.50	JULIEN BAILLOD	SUI	2015	16:51.19	FREDERIK HVIID	USA	2014	25.22	MARC KEVIN ALLAN	RSA	2019
4:42.19	ANTONINO TRIPPEDO	ITA	2015	16:54.95	MICHAEL PRUFERT	GER	2006	25.38	CHUCK BARNES	USA	2019
4:42.45	NICOLAS GRANGER	FRA	2002	16:55.07	IGOR PIOVESAN	ITA	2014	25.41	OLEG LIASHKO	RUS	2022
4:42.88	L.GIOVANNINI	ITA	2022	50 M. BACK				25.50	DANIEL LOTANO	USA	2022
4:43.17	JEROME FRENTSOS	USA	2000	27.13	NICHOLAS NECKLES	BAR	2019	25.51	JOHN BATES	AUS	2011
4:44.98	JOCHEN HANZ	GER	2015	27.27	ALEXANDR SHILIN	RUS	2017	25.54	MASATERU IKEDA	JPN	2012
4:45.47	DEREK GUFFEY	USA	2009	27.30	OSAMU ITOI	JPN	2014	100 M. FLY			
*****				27.35	SERKAN ATASAY	TUR	2012	56.17	SERKAN ATASAY	TUR	2011
M E N 40-44				27.38	EDILSON SILVA	BRA	2010	56.43	MICHAEL ROSS	USA	2008
*****				27.47	MICHAEL ROSS	USA	2008	56.98	EIJI NOMURA	JPN	2015
50 M. FREE				27.54	CHUCK BARNES	USA	2019	57.20	IOAN GHERGHEL	ROU	2018
23.20	ANDREJS DUDA	LAT	2022	27.56	KENICHI KANEKO	JPN	2022	57.22	MATA SANGUINETTY	VEN	2015
23.25	HIDEAKI HARA	JPN	2018	27.77	MAURIZIO TERSAR	ITA	2017	57.30	PETR GREGOR	CZE	2015
23.30	STEPHAN VOLERY	SUI	2001	27.79	ALEKSANDR SHILIN	RUS	2019	57.41	MASATERU IKEDA	JPN	2012
23.31	BRIAN JACOBSON	USA	2014	27.79	SHINYA HAYASHI	JPN	2019	57.57	PAUL CARTER	USA	2001
23.43	ANDREI KURNOSOV	RUS	2022	100 M. BACK				57.62	HENRY CLARK	USA	2005
23.47	LARS FROLANDER	SWE	2015	58.45	NICHOLAS NECKLES	BAR	2019	57.66	MARCIN KACZMAREK	POL	2017
23.86	M.GIALDI	ITA	2008	59.08	MICHAEL ROSS	USA	2009	57.66	CLAUS IVERSEN	DEN	2017
23.88	O.PLANES OSORIO	ESP	2016	59.26	MAURIZIO TERSAR	ITA	2016	200 M. FLY			
23.95	ISAMU TSUZUKI	JPN	2017	59.36	SERKAN ATASAY	TUR	2012	2:05.55	DENNIS BAKER	USA	2004
23.96	DANIEL LOTANO	USA	2021	59.81	JEFF COMMINGS	USA	2014	2:09.47	WILLIAM SPECHT	USA	1998
100 M. FREE				59.92	SHINYA HAYASHI	JPN	2019	2:09.96	CLAUS IVERSEN	DEN	2017
51.21	HIDEAKI HARA	JPN	2018	1:00.39	OSAMU ITOI	JPN	2014	2:10.20	MIKE SHAFFER	USA	2006
51.72	VLAD PYSHNENKO	USA	2010	1:00.52	MARCIN KACZMAREK	POL	2017	2:10.88	FERNANDO FARRERES	ESP	2017
52.10	ERIK HOCHSTEIN	USA	2009	1:00.56	CHRIS STEVENSON	USA	2008	2:11.16	TOSHIYUKI IBE	JPN	2010
52.42	MICHAEL ROSS	USA	2009	1:00.62	EDILSON SILVA	BRA	2010	2:11.21	EIJI NOMURA	JPN	2012
52.50	RODRIGO CASTRO	BRA	2022	200 M. BACK				2:11.37	KIMITAKA MINOBE	JPN	2018
52.55	CHRIS FYDLER	AUS	2012	2:08.06	NICHOLAS NECKLES	BAR	2019	2:11.49	ISAMU TSUZUKI	JPN	2014
53.06	ANDREI KURNOSOV	RUS	2022	2:10.46	MAURIZIO TERSAR	ITA	2016	2:11.53	JAMES BELARDI	USA	1997
53.19	STEFAN OPATIL	AUT	2009	2:11.13	FREDERIK HVIID	USA	2014	200 M. I.M.			
53.22	ALEKSEY MANZHULA	RUS	2021	2:12.34	SHINYA HAYASHI	JPN	2018	2:10.63	ALBERTO MONTINI	ITA	2009
53.30	BRIAN JACOBSON	USA	2013	2:12.53	CHUCK BARNES	USA	2019	2:11.31	ANTONINO TRIPPEDO	ITA	2016
200 M. FREE				2:12.77	MARK VOGEL	DEN	2010	2:12.41	PETER BERMEL	GER	2007
1:53.65	VLAD PYSHNENKO	USA	2010	2:12.82	EDUARDO MAROCCO	BRA	2012	2:12.73	UWE VOLK	GER	2010
1:55.06	MICHAEL ROSS	USA	2009	2:13.31	RENE SAEZ	PUR	2014	2:13.45	CLAUS IVERSEN	DEN	2017
1:55.06	RICH SAEGER	USA	2006	2:13.37	SEAN MURPHY	USA	2006	2:13.71	JEFF COMMINGS	USA	2016
1:55.70	ERIK HOCHSTEIN	USA	2008	2:13.48	CHRIS STEVENSON	USA	2008	2:13.76	ASUKA KOIZUMI	JPN	2019
1:55.75	CLAUS IVERSEN	DEN	2017	50 M. BRST				2:14.13	ERIK HOCHSTEIN	USA	2009
1:57.12	RODRIGO CASTRO	BRA	2022	28.84	ALBERTO MONTINI	ITA	2009	2:14.32	MASANORI TAKEGAWA	JPN	2019
1:58.50	KAI DITZEL	GER	2004	29.02	JEFF COMMINGS	USA	2014	2:14.39	LORENZO BENUCCI	USA	2007
1:58.60	ROSS DAVIS	USA	2006	29.04	GEOFF WELLS	USA	2022	400 M. I.M.			
1:58.61	PAUL SMITH	USA	2001	29.04	RYOSUKE IMAI	JPN	2019	4:43.00	UWE VOLK	GER	2012
1:58.66	JOCHEN BRUHA	GER	2009	29.16	VLADISLAV BRAGIN	RUS	2012	4:43.25	ANTONINO TRIPPEDO	ITA	2016
1:58.66	JEFFREY UTSCH	USA	2008	29.29	STEVE WEST	USA	2016	4:46.90	A.BORGIALLI	ITA	2014
400 M. FREE				29.32	SERGEY FIRICHENKO	RUS	2015	4:47.01	PETER BERMEL	GER	2007
4:06.74	ERIK HOCHSTEIN	USA	2009	29.33	JAMES FIKE	USA	2022	4:47.82	ERIC CHRISTENSEN	USA	2018
4:08.67	NICOLA NISATO	ITA	2019	29.46	ANDRIY KULYK	NCA	2014	4:48.27	ASUKA KOIZUMI	JPN	2019
4:11.04	SAMUELE PAMPANA	ITA	2017	29.53	HIDEAKI TOGO	JPN	2012	4:48.32	ALBERTO MONTINI	ITA	2012
4:11.13	RODRIGO CASTRO	BRA	2022	100 M. BRST				4:48.94	CLAUS IVERSEN	DEN	2019
4:11.55	DENNIS BAKER	USA	2004	1:03.60	VLADISLAV BRAGIN	RUS	2012	4:49.34	DAVID MECA	ESP	2014
4:11.62	GUSTAVO HELENO	BRA	2016	1:03.76	STEVE WEST	USA	2012	4:49.42	DENNIS BAKER	USA	2005
4:12.99	IGOR PIOVESAN	ITA	2014	1:04.64	GEOFF WELLS	USA	2022	*****			
4:13.65	MARK THOMPSON	AUS	2009	1:05.04	ALBERTO MONTINI	ITA	2009	M E N 45-49			
4:13.82	JURE BUCAR	SLO	2006	1:05.28	JEFF COMMINGS	USA	2014	*****			
4:14.37	MICHAEL PRUFERT	GER	2006	1:05.61	RYOSUKE IMAI	JPN	2019	50 M. FREE			
800 M. FREE				1:05.97	RICO ROLLI	ITA	2009	23.55	HIDEAKI HARA	JPN	2019
8:35.85	NICOLA NISATO	ITA	2019	1:06.04	HIROSHI TENMA	JPN	2022	23.96	ISAMU TSUZUKI	JPN	2019
8:36.41	SAMUELE PAMPANA	ITA	2016	1:06.15	SERGEY FIRICHENKO	RUS	2014	23.98	VLADIMIR PREDKIN	RUS	2014
8:37.81	ALEX KOSTICH	USA	2010	1:06.16	YOZO FUJII	JPN	2009	24.12	BRIAN JACOBSON	USA	2018
8:41.65	JEFF ERWIN	USA	2005	200 M. BRST				24.23	ROTMAN MATA	COL	2022
8:44.89	DANIEL SERRA	ESP	2008	2:18.94	ALBERTO MONTINI	ITA	2009	24.23	MARC ALLAN	RSA	2022
8:46.51	MICHAEL KLEIBER	GER	2005	2:19.01	STEVE WEST	USA	2012	24.26	BRENT BARNES	JPN	2004
8:46.61	MICHAEL PRUFERT	GER	2005	2:23.09	VLADISLAV BRAGIN	RUS	2012	24.29	PAUL SMITH	USA	2006
8:47.75	FREDERIK HVIID	USA	2014	2:23.95	HIROSHI TENMA	JPN	2022	24.31	CHUCK BARNES	USA	2021
8:48.69	JOSEPH RHYNE	USA	1999	2:24.03	CHRISTOPHER JONES	GBR	2022	24.34	M.GIALDI	ITA	2013
8:48.89	RODRIGO CASTRO	BRA	2022	2:24.19	ROQUE SANTOS	USA	2008	100 M. FREE			
1500 M. FREE				2:25.17	GEOFF WELLS	USA	2022	52.24	HIDEAKI HARA	JPN	2019
16:24.76	NICOLA NISATO	ITA	2018	2:26.01	STEPHAN PERROT	FRA	2017	53.66	VALTER KALAUS	HUN	2017
				2:27.22	BEN HARKIN	GBR	2018				

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



53.76	ROTMAN MATA	COL	2022	2:11.56	EDUARDO MAROCCO	BRA	2013	2:13.69	M.CACCIAMANI	ITA	2011
53.77	NICOLAS GRANGER	USA	2016	2:13.21	CHUCK BARNES	USA	2022	2:13.93	MIKE SHAFFER	USA	2014
53.77	MARCO COLOMBO	ITA	2005	2:13.37	RICH SAEGER	USA	2012	2:14.30	EIJI NOMURA	JPN	2019
53.90	JACK GROSELLE	USA	1999	2:14.32	NICOLAS GRANGER	FRA	2015	200 M. I.M.			
54.08	MARK THOMPSON	AUS	2016	2:14.66	MAURIZIO TERSAR	ITA	2022	2:10.09	NICOLAS GRANGER	USA	2016
54.10	MATTHEW BIONDI	USA	2014	2:15.14	GREG KAHN	GBR	2017	2:14.90	JEROME FRENTSOS	USA	2010
54.15	PAUL SMITH	USA	2008	2:15.68	LARS KALENKA	GER	2018	2:14.94	DAVID WARREN	GBR	2016
54.16	FREDERIC TONUS	BEL	2018	2:15.83	CHRIS STEVENSON	USA	2011	2:15.07	ALBERTO MONTINI	ITA	2014
200 M. FREE				2:16.06	PAUL LEMMON	AUS	2012	2:15.14	JEFF COMMINGS	USA	2022
1:57.75	NICOLAS GRANGER	FRA	2014	2:16.76	DANIEL COTTON	GBR	2019	2:16.12	DENNIS BAKER	USA	2006
1:57.89	KEITH SWITZER	USA	2009	50 M. BRST				2:16.21	SERGEY MARINIUK	USA	2014
1:58.36	HIDEAKI HARA	JPN	2022	29.22	HIDEAKI TOGO	JPN	2019	2:16.32	TAIHEI SAKA	JPN	2009
1:58.96	CLAUS IVERSEN	DEN	2022	29.29	JEFF COMMINGS	USA	2022	2:16.42	STEVE WEST	USA	2018
1:59.07	VALTER KALAUS	HUN	2017	29.31	VLADISLAV BRAGIN	RUS	2018	2:16.60	CLAUS IVERSEN	DEN	2022
1:59.34	DENNIS BAKER	USA	2009	29.42	STEVE WEST	USA	2019	400 M. I.M.			
1:59.37	KAI DITZEL	GER	2008	29.51	SERKAN ATASAY	TUR	2017	4:43.83	NICOLAS GRANGER	FRA	2014
1:59.56	MARCUS MATTIOLI	BRA	2006	29.63	RICO ROLLI	ITA	2011	4:47.65	JEROME FRENTSOS	USA	2010
1:59.60	MARCO COLOMBO	ITA	2007	29.70	V.ZAGREBENKO	RUS	2009	4:48.36	ALBERTO MONTINI	ITA	2014
2:00.09	FABIO CALMASINI	ITA	2014	29.90	JENS LUTSCHIN	GER	2009	4:50.27	MARCUS MATTIOLI	BRA	2008
400 M. FREE				29.96	YOZO FUJII	JPN	2014	4:50.73	DENNIS BAKER	USA	2006
4:09.20	DENNIS BAKER	USA	2008	29.97	STEFAN SCHERLING	SWE	2017	4:55.26	SERGEY MARINIUK	USA	2014
4:11.07	KEITH SWITZER	USA	2009	100 M. BRST				4:55.65	FABIO CALMASINI	ITA	2014
4:13.86	NICOLAS GRANGER	FRA	2012	1:04.77	STEVE WEST	USA	2019	4:55.83	TAIHEI SAKA	JPN	2010
4:14.81	MARCUS MATTIOLI	BRA	2006	1:05.03	JEFF COMMINGS	USA	2022	4:56.10	IGOR PIOVESAN	ITA	2019
4:14.92	FABIO CALMASINI	ITA	2014	1:05.30	VLADISLAV BRAGIN	CZE	2016	4:56.57	GREG STREPPPEL	CAN	2014
4:16.20	MICHAEL PRUFERT	GER	2009	1:05.95	NICOLAS GRANGER	FRA	2015	*****			
4:16.55	IGOR PIOVESAN	ITA	2019	1:06.19	HIDEAKI TOGO	JPN	2018	M E N 50-54			
4:17.21	MARK THOMPSON	AUS	2014	1:06.35	V.PYLYPCHENKO	UKR	2009	*****			
4:17.73	GREG STREPPPEL	CAN	2014	1:06.67	RICO ROLLI	ITA	2010	50 M. FREE			
4:17.87	VALTER KALAUS	HUN	2017	1:07.38	DAVID GUTHRIE	USA	2008	24.08	BRENT BARNES	JPN	2009
800 M. FREE				1:07.65	YOZO FUJII	JPN	2014	24.34	CALVIN MAUGHAN	RSA	2015
8:40.79	FABIO CALMASINI	ITA	2015	1:07.71	SERGEY FIRICHENKO	RUS	2019	24.57	VLADIMIR PREDKIN	RUS	2019
8:42.85	MARCUS MATTIOLI	BRA	2006	1:07.71	MAKOTO ONODERA	JPN	2014	24.58	ROWDY GAINES	USA	2009
8:50.06	MICHAEL KLEIBER	GER	2009	200 M. BRST				24.60	RICHARD ABRAHAMS	USA	1998
8:51.98	JEFF ERWIN	USA	2010	2:19.44	STEVE WEST	USA	2018	24.81	MICHAEL HODGSON	GBR	2017
8:52.20	MICHAEL PRUFERT	GER	2009	2:23.64	VLADISLAV BRAGIN	RUS	2018	24.88	RICK ABBOTT	USA	2008
8:53.33	IGOR PIOVESAN	ITA	2019	2:24.39	ALBERTO MONTINI	ITA	2013	24.89	JACK GROSELLE	USA	2004
8:57.10	MARK THOMPSON	AUS	2014	2:24.91	V.PYLYPCHENKO	UKR	2009	24.91	HARALD KRUGER	RSA	2017
8:58.50	RICARDO VALDIVIA	USA	2009	2:27.76	HIDEAKI TOGO	JPN	2018	24.94	TRIP HEDRICK	USA	2006
8:58.84	JIM MCCONICA	USA	1999	2:27.79	DAVID GUTHRIE	USA	2008	100 M. FREE			
8:59.81	GREG STREPPPEL	CAN	2014	2:29.51	BYRON SHEFCHIK	USA	2019	54.15	NICOLAS GRANGER	FRA	2017
1500 M. FREE				2:30.67	ABRAHAM SOLANO	ECU	2014	54.36	CALVIN MAUGHAN	RSA	2015
16:38.81	JEFF ERWIN	USA	2009	2:31.39	CALEB LANGEAAN	AUS	2022	54.61	ROWDY GAINES	JPN	2011
16:57.17	RICARDO VALDIVIA	USA	2009	2:31.97	MAKOTO ONODERA	JPN	2014	54.93	JACK GROSELLE	USA	2004
16:58.68	MICHAEL KLEIBER	GER	2009	50 M. FLY				54.94	BOB BUGG	USA	2009
17:09.29	IGOR PIOVESAN	ITA	2019	25.24	CHUCK BARNES	USA	2021	55.02	FRANK GRUNER	GER	2021
17:10.90	GEORGE TIDMARSH	USA	2005	25.26	HIDEAKI HARA	JPN	2019	55.11	DAN STEPHENSON	USA	2007
17:11.41	MICHAEL PRUFERT	GER	2009	25.33	ISAMU TSUZUKI	JPN	2019	55.13	RICK ABBOTT	USA	2008
17:12.28	MARCUS MATTIOLI	BRA	2008	25.35	EIJI NOMURA	JPN	2019	55.38	TRIP HEDRICK	USA	2006
17:16.00	FABIO CALMASINI	ITA	2015	25.48	SERKAN ATASAY	TUR	2017	55.42	PAUL SMITH	USA	2009
17:16.16	GLAUCO RANGEL	BRA	2017	25.58	MARC ALLAN	RSA	2022	200 M. FREE			
17:23.73	CALUM MCKINLAY	GBR	2009	25.65	NICHOLAS DECKER	USA	2012	1:58.62	NICOLAS GRANGER	FRA	2017
50 M. BACK				25.71	FREDERIC TONUS	LUX	2022	2:00.34	DAN STEPHENSON	USA	2007
27.62	ALEKSANDR SHILIN	RUS	2021	25.74	MARCIN KACZMAREK	POL	2022	2:01.40	BOB BUGG	USA	2009
27.67	SERKAN ATASAY	TUR	2017	25.77	MASATERU IKEDA	JPN	2017	2:02.14	MARCUS MATTIOLI	BRA	2012
27.82	MARCIN KACZMAREK	POL	2022	100 M. FLY				2:02.16	KEITH SWITZER	USA	2013
27.86	OSAMU ITOI	JPN	2019	56.42	PAUL CARTER	USA	2002	2:02.50	JIM MCCONICA	USA	2000
28.01	CHUCK BARNES	USA	2022	57.08	SERKAN ATASAY	TUR	2017	2:02.71	MARK THOMPSON	AUS	2019
28.04	ADRIAN O'CONNOR	IRL	2019	57.60	PAUL SMITH	USA	2008	2:03.07	DINO SCHORN	ITA	2018
28.05	STEVE WOOD	USA	2008	57.71	MARCIN KACZMAREK	POL	2022	2:03.31	RICH SAEGER	USA	2015
28.14	ANDE RASMUSSEN	USA	2008	57.74	ISAMU TSUZUKI	JPN	2019	2:03.43	FRANK GRUNER	GER	2021
28.25	FRTZ BEDFORD	USA	2011	57.99	EIJI NOMURA	JPN	2019	400 M. FREE			
28.32	J CLAY BRITT	USA	2008	58.25	NICOLAS GRANGER	FRA	2016	4:15.93	NICOLAS GRANGER	USA	2017
100 M. BACK				58.31	JOHN CUNNINGHAM	IRL	2017	4:16.61	DAN STEPHENSON	USA	2007
1:00.13	STEVE WOOD	USA	2008	58.47	C.LUTOTOVICH	ARG	2009	4:18.03	RICARDO VALDIVIA	USA	2014
1:00.42	JEFF COMMINGS	USA	2022	58.54	FREDERIC TONUS	LUX	2022	4:19.05	MARCUS MATTIOLI	BRA	2014
1:00.53	CHUCK BARNES	USA	2022	58.54	MARC ALLAN	RSA	2022	4:19.47	JIM MCCONICA	USA	2000
1:00.55	CHRIS STEVENSON	USA	2009	200 M. FLY				4:20.71	BOB BUGG	USA	2009
1:00.97	SERKAN ATASAY	TUR	2017	2:04.07	DENNIS BAKER	USA	2008	4:21.80	DINO SCHORN	ITA	2018
1:01.12	EDUARDO MAROCCO	BRA	2014	2:08.34	MARCUS MATTIOLI	BRA	2006	4:22.79	JOSEPH RHYNE	USA	2009
1:01.14	OSAMU ITOI	JPN	2019	2:10.97	PAUL CARTER	USA	2002	4:23.31	FABIO CALMASINI	ITA	2018
1:01.40	RICK GOULD	USA	2015	2:11.02	WILLIAM SPECHT	USA	2003	4:23.63	MARK THOMPSON	AUS	2020
1:01.55	MAURIZIO TERSAR	ITA	2022	2:13.45	TOSHIYUKI IBE	JPN	2015	800 M. FREE			
1:01.71	NICOLAS GRANGER	FRA	2012	2:13.52	ANDREA MARCATO	ITA	2019	8:49.22	FABIO CALMASINI	ITA	2018
200 M. BACK				2:13.69	F.ALAEZ FARRERES	ESP	2022				

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8:55.05	MARCUS MATTIOLI	BRA	2010	200 M. BRST	25.42	DAVID SIMS	USA	2017		
8:56.31	RICARDO VALDIVIA	USA	2014	2:24.44 STEVE WEST	USA	2022	25.44	MICHAEL HODGSON	GBR	2022
8:59.55	MARK THOMPSON	AUS	2019	2:25.00 VLADISLAV BRAGIN	RUS	2022	25.51	STEVE WOOD	USA	2016
9:00.39	KEITH SWITZER	USA	2013	2:27.91 DAVID GUTHRIE	USA	2013	25.52	BRYAN TATTERSON	USA	2019
9:03.84	JIM MC CONICA	USA	2001	2:31.16 ALBERTO MONTINI	ITA	2018	25.53	RICHARD ABRAHAMAS	USA	2002
9:04.06	DINO SCHORN	ITA	2019	2:32.55 CARLO TRAVAINI	ITA	2017	25.54	AHMET NAKKAS	TUR	2017
9:06.61	DAN STEPHENSON	USA	2007	2:33.14 NICOLAS GRANGER	FRA	2018	100 M. FREE			
9:09.69	BRENT FOSTER	NZL	2018	2:33.54 V.PYLYPCHENKO	UKR	2014	55.21	VINCENZO AMOROSO	ITA	2022
9:11.16	MICHAEL KLEIBER	GER	2013	2:34.55 HAJIME MORIMOTO	JPN	2018	55.63	CALVIN MAUGHAN	RSA	2019
1500 M. FREE				2:34.58 MICHAEL HODGSON	GBR	2017	56.08	JACK GROSELLE	USA	2009
17:08.33	JIM MCCONICA	USA	2000	2:34.62 JIM TUCHLER	USA	2015	56.15	AHMET NAKKAS	TUR	2018
17:18.59	BRENT FOSTER	NZL	2018	50 M. FLY			56.33	DAVID SIMS	USA	2017
17:33.87	MICHAEL KLEIBER	GER	2014	25.88 PAUL CARTER	USA	2008	56.51	L.GOMEZ-GUILLAMON	ESP	2016
17:34.04	MARCUS MATTIOLI	BRA	2011	25.96 STEVE HILTABIDDLE	USA	2019	56.81	STEVE HILTABIDDLE	USA	2021
17:35.40	DINO SCHORN	ITA	2018	26.23 TRIP HEDRICK	USA	2004	56.91	STEVE WOOD	USA	2016
17:39.99	KURT DICKSON	USA	2017	26.44 MASATERU IKEDA	JPN	2022	56.92	TONY ANDERSON	USA	2019
17:40.70	MARK DRENNEN	USA	2006	26.54 HIROSHI MIURA	JPN	2018	56.96	DAVID BOATWRIGHT	USA	2017
17:44.07	ARNALDO PEREZ	PUR	2015	26.56 MICHAEL HODGSON	GBR	2017	200 M. FREE			
17:47.18	IACOVO LUCA DI	ITA	2018	26.56 PAUL SMITH	USA	2009	2:04.01	MICHAEL MANN	USA	2009
17:49.88	JASCHA HASSON	FRA	2022	26.64 VLADIMIR PREDKIN	RUS	2019	2:04.02	MARCUS MATTIOLI	BRA	2015
50 M. BACK				26.80 RAMON VOLCAN	VEN	2009	2:04.86	AHMET NAKKAS	TUR	2017
28.02	MARCUS MATTIOLI	BRA	2013	26.83 RICK ABBOTT	USA	2008	2:05.21	DAVID SIMS	USA	2017
28.58	RICK GOULD	USA	2018	100 M. FLY			2:05.82	JACK GROSELLE	USA	2009
28.60	STEVE WOOD	USA	2011	57.23 PAUL CARTER	USA	2008	2:05.88	DAVID BOATWRIGHT	USA	2016
28.64	NICOLAS GRANGER	FRA	2017	58.43 EIJI NOMURA	JPN	2022	2:06.26	DAN STEPHENSON	USA	2012
28.77	CLAY BRITT	USA	2014	58.99 SERKAN ATASAY	TUR	2022	2:06.50	TONY ANDERSON	USA	2019
28.84	FRITZ BEDFORD	USA	2014	59.49 TRIP HEDRICK	USA	2004	2:07.42	FRED SCHUSTER	USA	2019
28.86	SERKAN ATASAY	TUR	2022	59.56 MASATERU IKEDA	JPN	2022	2:08.03	JIM MC CONICA	USA	2005
29.02	CRAIG NORREY	SUI	2014	59.67 HUGO BREGMAN	NED	2009	400 M. FREE			
29.06	GREG KAHN	GBR	2022	59.87 MARCUS MATTIOLI	BRA	2010	4:22.49	MICHAEL MANN	USA	2009
29.16	HIROYOSHI MAETOGE	JPN	2015	59.96 NICOLAS GRANGER	FRA	2018	4:25.34	JIM MC CONICA	USA	2005
100 M. BACK				1:00.00 STEVE HILTABIDDLE	USA	2017	4:25.65	MARCUS MATTIOLI	BRA	2015
1:01.57	NICOLAS GRANGER	USA	2017	1:00.04 MARK WELDON	NZL	2017	4:27.52	TONY ANDERSON	USA	2018
1:01.89	STEVE WOOD	USA	2011	200 M. FLY			4:28.78	BARTON S WELLS	USA	2022
1:02.17	RICK GOULD	USA	2018	2:13.26 EIJI NOMURA	JPN	2022	4:29.19	ARNALDO PEREZ	PUR	2019
1:02.77	CLAY BRITT	USA	2014	2:13.39 MARCUS MATTIOLI	BRA	2010	4:31.83	GIAN LUCA SONDALI	ITA	2021
1:02.93	JAMIE FOWLER	USA	2009	2:13.80 DENNIS BAKER	USA	2011	4:31.91	BRENT FOSTER	NZL	2022
1:03.25	FRANK GRUNER	GER	2022	2:14.63 MAURO CAPPELLETTI	ITA	2015	4:32.87	DAN STEPHENSON	USA	2012
1:03.44	MINAKOV VALERIJS	LAT	2010	2:15.06 HUGO BREGMAN	NED	2009	4:33.42	STEVE PRESCOTT	NZL	2009
1:03.48	GREG KAHN	GBR	2022	2:16.38 MIKE SHAFFER	USA	2015	800 M. FREE			
1:03.48	HIROYOSHI MAETOGE	JPN	2015	2:17.83 DAVID SIMS	USA	2016	9:00.09	MICHAEL MANN	USA	2009
1:03.50	FRITZ BEDFORD	USA	2014	2:18.57 PAUL CARTER	USA	2008	9:06.86	JIM MCCONICA	USA	2006
200 M. BACK				2:18.91 TOSHIYUKI IBE	JPN	2021	9:12.55	ARNALDO PEREZ	PUR	2019
2:14.53	NICOLAS GRANGER	USA	2017	2:19.16 FRANCIS CHRISTIAN	AUS	2008	9:22.02	STEVE PRESCOTT	NZL	2009
2:16.79	RICK GOULD	USA	2018	200 M. I.M.			9:22.59	LUCA DI IACOVO	ITA	2022
2:16.79	LUCA VIGNERI	ITA	2017	2:11.15 NICOLAS GRANGER	USA	2017	9:22.66	JEFF ERWIN	USA	2019
2:17.57	MICHAEL SODERLUND	USA	2012	2:15.36 FRANK GRUNER	GER	2022	9:23.23	JOSE FREITAS	POR	2018
2:17.74	JAMIE FOWLER	USA	2009	2:18.05 JAMIE FOWLER	USA	2009	9:23.61	TONY ANDERSON	USA	2018
2:19.06	FRANK GRUNER	GER	2022	2:19.45 DARREN PHELAN	USA	2013	9:27.14	MICHAEL PRUFERT	GER	2019
2:19.35	KURT DICKSON	USA	2017	2:19.79 MARCUS MATTIOLI	BRA	2010	9:29.19	K.DELLBRUGGE	GER	2017
2:20.04	MATTHEW NANCE	USA	2015	2:20.02 MICHAEL MANN	USA	2008	1500 M. FREE			
2:20.33	YOSHINORI IWASAKI	JPN	2022	2:20.48 JEROME FRENTSOS	USA	2015	17:22.61	MICHAEL MANN	USA	2009
2:20.51	TOM WOLF	USA	2004	2:20.54 HAJIME MORIMOTO	JPN	2021	17:40.10	JIM MC CONICA	USA	2005
50 M. BRST				2:20.60 TAIHEI SAKA	JPN	2015	17:57.13	ARNALDO PEREZ	PUR	2017
29.90	STEVE WEST	USA	2022	2:20.72 YOSHINORI IWASAKI	JPN	2022	18:00.10	LUCA DI IACOVO	ITA	2022
30.16	VLADISLAV BRAGIN	RUS	2021	400 M. I.M.			18:02.60	TONY ANDERSON	USA	2019
30.26	MICHAEL HODGSON	GBR	2017	4:45.61 NICOLAS GRANGER	USA	2017	18:05.10	JOSE FREITAS	POR	2018
30.48	DAVID GUTHRIE	USA	2013	4:53.69 MARCUS MATTIOLI	BRA	2010	18:05.27	BARTON S WELLS	USA	2022
30.56	MAKOTO ONODERA	JPN	2017	4:54.51 FRANK GRUNER	GER	2022	18:11.30	GIAN LUCA SONDALI	ITA	2022
30.79	FABIO CAVALLI	ITA	2018	4:56.71 RICARDO VALDIVIA	USA	2014	18:17.12	MICHAEL KLEIBER	GER	2018
30.85	CARLO TRAVAINI	ITA	2017	4:57.93 DARREN PHELAN	USA	2013	18:19.49	STEVE PRESCOTT	NZL	2009
30.88	RICHARD SCHROEDER	USA	2012	5:01.47 BRENT FOSTER	NZL	2019	50 M. BACK			
30.92	RICO ROLLI	ITA	2016	5:02.51 DENNIS BAKER	USA	2013	29.01	CARLOS SILVA	BRA	2013
30.93	S.TAKAHASHI	JPN	2015	5:02.90 YOSHINORI IWASAKI	JPN	2022	29.03	STEVE WOOD	USA	2016
100 M. BRST				5:03.27 LORENZO MARUGO	ITA	2004	29.92	HARALD RUCK	RSA	2021
1:06.12	STEVE WEST	USA	2022	5:03.76 DJAN MADRUGA	BRA	2010	29.97	CLAY BRITT	USA	2017
1:06.14	VLADISLAV BRAGIN	RUS	2022				30.01	TOM BARTON	USA	2011
1:06.98	DAVID GUTHRIE	USA	2014	*****			30.02	CRAIG NORREY	SUI	2016
1:07.85	MICHAEL HODGSON	GBR	2017	M E N 55-59			30.06	GLENN PATCHING	USA	2015
1:08.00	NICOLAS GRANGER	FRA	2017	*****			30.09	HIROYOSHI MAETOGE	JPN	2022
1:08.66	CARLO TRAVAINI	ITA	2017	50 M. FREE			30.09	GARY HALL	USA	2009
1:09.02	HAJIME MORIMOTO	JPN	2021	24.45 BRENT BARNES	JPN	2015	30.21	MARCO COLOMBO	ITA	2016
1:09.23	RICHARD SCHROEDER	USA	2012	24.64 CALVIN MAUGHAN	RSA	2019	100 M. BACK			
1:09.36	GARY PATTERSON	USA	2009	25.01 JACK GROSELLE	USA	2009	1:03.50	STEVE WOOD	USA	2015
1:09.57	JIM TUCHLER	USA	2015	25.31 MIKE TENNANT	USA	2008	1:05.19	ALESSIO GERMANI	ITA	2022

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1:05.46	TOM BARTON	USA	2011	2:16.78	MARCUS MATTIOLI	BRA	2015	4:37.43	DJAN MADRUGA	BRA	2018
1:05.80	CLAY BRITT	USA	2018	2:18.37	DAVID SIMS	USA	2017	4:37.58	JAMES RITTER	USA	2017
1:06.14	GARY HALL	USA	2009	2:18.97	BRAD HORNER	USA	2009	4:40.00	JIM MC CONICA	USA	2012
1:06.19	HIROYOSHI MAETOGE	JPN	2022	2:19.18	HUGO BREGMAN	NED	2013	4:42.94	JACK GROSELLE	USA	2014
1:06.29	BRIAN A JONES	USA	2021	2:20.58	MAURO CAPPELLETTI	ITA	2022	4:43.04	K.DELLBRUGGE	GER	2022
1:06.47	GLENN PATCHING	USA	2016	2:23.30	ARNALDO PEREZ	PUR	2018	4:43.37	ALESSANDRO MARCO	ITA	2016
1:06.83	LEN GUSHE	CAN	2018	2:24.42	MIKE G SHAFFER	USA	2021	800 M. FREE			
1:06.99	FRANCESCO PETTINI	ITA	2018	2:25.10	A.LAVEGLIA	ITA	2021	9:21.08	ARNALDO PEREZ	PUR	2022
200 M. BACK				2:25.35	GREG SHAW	USA	2006	9:29.70	ANDREW BRAY	USA	2018
2:20.83	RIP ESSELSTYN	USA	2019	2:25.52	JIM SAUER	USA	2014	9:33.04	PAUL BLACKBEARD	AUS	2019
2:21.26	KURT DICKSON	USA	2022	200 M. I.M.				9:35.50	JIM MC CONICA	USA	2012
2:22.56	ALESSIO GERMANI	ITA	2022	2:20.67	JEROME A FRENTSOS	USA	2020	9:39.23	ALESSANDRO MARCO	ITA	2016
2:22.68	CRAIG PETERSEN	USA	2015	2:20.83	MICHAEL MANN	USA	2009	9:43.22	DJAN MADRUGA	BRA	2018
2:23.84	TOM BARTON	USA	2011	2:21.57	NICOLAS GRANGER	FRA	2022	9:44.75	K.DELLBRUGGE	GER	2022
2:25.89	JIM MC CONICA	USA	2005	2:22.50	JIM SAUER	USA	2014	9:48.47	STEVEN PRESCOTT	NZL	2014
2:26.07	BRIAN A JONES	USA	2021	2:22.64	BRENT FOSTER	NZL	2022	9:49.31	DAN STEPHENSON	USA	2017
2:26.23	LEN GUSHE	CAN	2018	2:22.98	AHMET NAKKAS	TUR	2018	9:49.45	JAMES RITTER	USA	2016
2:26.32	Z.JANUSZKIEWICZ	POL	2018	2:24.12	RICK COLELLA	USA	2008	1500 M. FREE			
2:26.47	JON HAWTON	AUS	2019	2:24.16	TIMOTHY SHEAD	RSA	2008	17:55.91	ARNALDO PEREZ	USA	2022
50 M. BRST				2:24.41	CARLO TRAVAINI	ITA	2019	18:01.45	ANDREW BRAY	USA	2018
30.02	CARLO TRAVAINI	ITA	2019	2:24.65	MARCUS MATTIOLI	BRA	2015	18:12.09	JIM MC CONICA	USA	2010
30.56	DAVID GUTHRIE	USA	2017	400 M. I.M.				18:26.65	PAUL BLACKBEARD	AUS	2019
31.05	WALTER KUSCH	GER	2009	4:57.55	BRENT FOSTER	NZL	2022	18:54.90	K.DELLBRUGGE	GER	2022
31.39	MAKOTO ONODERA	JPN	2022	5:01.81	MARCUS MATTIOLI	BRA	2015	18:56.38	DJAN MADRUGA	BRA	2019
31.82	S.TAKAHASHI	JPN	2019	5:04.07	MICHAEL MANN	USA	2009	19:01.10	ALESSANDRO BRAVI	ITA	2017
31.87	MICHAEL HODGSON	GBR	2022	5:05.66	JEROME A FRENTSOS	USA	2020	19:01.70	SCOTT TOWNSEND	USA	2013
31.95	MICHAEL AUBREY	USA	2017	5:07.81	JIM SAUER	USA	2014	19:02.24	ENRIQUE MATA DIAZ	ESP	2022
32.07	TIMOTHY SHEAD	RSA	2008	5:12.69	LEN GUSHE	CAN	2018	19:06.93	M.CAFFERY	USA	2013
32.16	DAVID MILBURN	GBR	2017	5:13.11	ARNALDO PEREZ	PUR	2018	50 M. BACK			
32.23	GLEN CHRISTIANSEN	SWE	2012	5:14.38	A.LAVEGLIA	ITA	2022	30.59	JAMIE FOWLER	USA	2019
100 M. BRST				5:14.42	MARCO TENDERINI	ITA	2022	30.63	ANDRE STEYNBERG	USA	2018
1:07.65	CARLO TRAVAINI	ITA	2019	5:17.10	JIM MC CONICA	USA	2005	31.18	ALEC JOHNSON	GBR	2022
1:07.97	DAVID GUTHRIE	USA	2015	*****				31.46	HUGH WILDER	USA	2007
1:10.82	S.TAKAHASHI	JPN	2019	M E N 60-64				31.50	VLADIMIR GORKOV	RUS	2017
1:10.84	GREGORY HARRIS	USA	2018	*****				31.56	TOM BARTON	USA	2016
1:11.13	TIMOTHY SHEAD	RSA	2008	50 M. FREE				31.62	JONATHAN KLEIN	USA	2018
1:11.55	MAKOTO ONODERA	JPN	2022	25.23	RICHARD ABRAHAMS	USA	2006	31.71	DONALD GRAHAM	USA	2014
1:11.87	MICHAEL HODGSON	GBR	2022	25.63	DOUG MARTIN	USA	2015	31.74	MARCO COLOMBO	ITA	2022
1:11.97	JEROME A FRENTSOS	USA	2020	25.85	VINCENZO DE SIO	ITA	2008	31.77	MARC MIDDLETON	USA	2011
1:12.15	TIMUR PODMARYOV	RUS	2015	25.92	BRENT BARNES	SGP	2018	100 M. BACK			
1:12.35	IGOR MEDVEDIEV	UKR	2017	26.00	ALEXEY MARKOVSKIY	RUS	2017	1:06.08	JAMIE FOWLER	USA	2019
200 M. BRST				26.31	ANDRE STEYNBERG	RSA	2016	1:07.08	VLADIMIR GORKOV	RUS	2017
2:30.63	DAVID GUTHRIE	USA	2016	26.35	JACK GROSELLE	USA	2014	1:07.85	TOM BARTON	USA	2016
2:30.67	CARLO TRAVAINI	ITA	2018	26.35	PAUL TREVISAN	USA	2013	1:08.10	JONATHAN KLEIN	USA	2018
2:38.66	RICK COLELLA	USA	2008	26.41	JAMES RITTER	USA	2017	1:08.77	HUGH WILDER	USA	2007
2:39.28	TIMUR PODMARYOV	RUS	2012	26.43	AHMET NAKKAS	TUR	2022	1:08.86	ANDRE STEYNBERG	RSA	2016
2:40.20	MAKOTO ONODERA	JPN	2022	100 M. FREE				1:08.97	DJAN MADRUGA	BRA	2018
2:41.54	TIMOTHY SHEAD	RSA	2008	57.66	AHMET NAKKAS	TUR	2022	1:09.44	ALEC JOHNSON	GBR	2022
2:41.60	SHUJI YAMAZAKI	JPN	2021	57.79	JACK GROSELLE	USA	2014	1:09.53	MARCO COLOMBO	ITA	2020
2:41.86	JEROME A FRENTSOS	USA	2022	57.94	JAMES RITTER	USA	2017	1:09.57	Z.JANUSZKIEWICZ	POL	2022
2:42.40	PATRICK ALLENDER	USA	2013	58.06	DAN STEPHENSON	USA	2017	200 M. BACK			
2:42.52	DAVID MILBURN	GBR	2017	58.25	TRIP HEDRICK	USA	2017	2:26.12	JAMIE FOWLER	USA	2019
50 M. FLY				58.61	RICHARD ABRAHAMS	USA	2005	2:28.37	DJAN MADRUGA	BRA	2018
26.56	STEVE HILTABIDDLE	USA	2021	59.04	RICK COLELLA	USA	2014	2:28.37	TOM BARTON	USA	2016
26.86	GARY HALL	USA	2009	59.43	JERRY M KOLBROSS	USA	2022	2:29.05	JIM SAUER	USA	2017
27.02	MICHAEL HODGSON	GBR	2022	59.57	DOUG MARTIN	USA	2014	2:29.29	VLADIMIR GORKOV	RUS	2018
27.08	GREG SHAW	USA	2007	59.60	JURI LOGVIN	FIN	2022	2:30.95	DAN STEPHENSON	USA	2018
27.26	DAN THOMPSON	CAN	2014	59.60	BRUCE WILLIAMS	USA	2014	2:31.70	CRAIG PETERSEN	USA	2022
27.31	STEVE WOOD	USA	2016	200 M. FREE				2:32.09	A.BONANNI	ITA	2022
27.31	PAUL CARTER	USA	2012	2:07.68	DAN STEPHENSON	USA	2017	2:32.34	Z.JANUSZKIEWICZ	POL	2022
27.37	DAVID SIMS	USA	2017	2:08.19	JAMES RITTER	USA	2017	2:32.61	JONATHAN KLEIN	USA	2018
27.43	RICHARD ABRAHAMS	USA	2002	2:09.24	JACK GROSELLE	USA	2014	50 M. BRST			
27.45	STEVEN L UNRUH	USA	2021	2:09.74	AHMET NAKKAS	TUR	2022	31.95	DAVID GUTHRIE	USA	2022
100 M. FLY				2:12.32	JOHN FIELDS	USA	2016	32.53	DAVID MILBURN	GBR	2022
1:00.56	PAUL CARTER	USA	2012	2:12.55	MARCUS MATTIOLI	BRA	2022	32.80	STUART ELLICOTT	AUS	2012
1:00.88	TERUHIISA SHIMIZU	JPN	2019	2:12.57	JIM MC CONICA	USA	2010	32.87	TIMOTHY SHEAD	USA	2012
1:01.05	GREG SHAW	USA	2006	2:12.69	FRED SCHLICHER	USA	2008	32.89	J.KOCHENDORFER	USA	2021
1:01.13	DAVID SIMS	USA	2017	2:12.83	PAUL BLACKBEARD	AUS	2019	33.00	GREGORY OXLEY	USA	2018
1:01.29	HUGO BREGMAN	NED	2013	2:12.87	ARNALDO PEREZ	USA	2022	33.09	RICHARD NEVILLE	USA	2016
1:01.31	MARCUS MATTIOLI	BRA	2015	400 M. FREE				33.22	KAZUMASA DATE	JPN	2022
1:01.83	BRAD HORNER	USA	2009	4:34.89	ARNALDO PEREZ	PUR	2022	33.34	DAVID BRYANT	GBR	2022
1:01.87	STEVE HILTABIDDLE	USA	2021	4:36.85	DAN STEPHENSON	USA	2017	33.41	ROBERT STRAND	USA	2008
1:01.97	DAN THOMPSON	CAN	2014	4:36.89	ANDREW BRAY	USA	2018	100 M. BRST			
1:02.23	STEVE WOOD	USA	2016	4:37.35	PAUL BLACKBEARD	AUS	2019	1:11.64	DAVID GUTHRIE	USA	2022
200 M. FLY								1:12.08	S.TAKAHASHI	JPN	2022

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1:06.53	LAWRENCE DAY	USA	2016	2:27.71	RICK B WALKER	USA	2021	36.68	ROBERT STRAND	USA	2016
1:07.34	RICHARD ABRAHAMS	USA	2010	2:27.83	RICHARD BURNS	USA	2013	36.71	TOSHIHARU FUJII	JPN	2022
1:07.78	JOSEF CLARET	ESP	2009	2:28.37	CAV CAVANAUGH	USA	2005	36.86	DIETER HOEFEL	GER	2015
1:08.45	DAN STEPHENSON	USA	2022	2:28.42	TOM LANDIS	USA	2012	37.23	YOSHIIKO OSAKI	JPN	2009
1:09.06	GREG SANCHEZ	USA	2022	400 M. FREE				37.34	KENNETH FROST	USA	2014
1:09.60	ROBERT POILETMAN	USA	2009	5:03.56	DAN KIRKLAND	USA	2018	37.47	KARL WIEDAMANN	USA	2008
1:09.95	JACK GROSELLE	USA	2019	5:11.68	CHRIS DUNN	GBR	2016	100 M. BRST			
1:09.98	FRED BAIRD	USA	2013	5:11.89	FRED SCHLICHER	USA	2018	1:18.41	TIMOTHY SHEAD	RSA	2022
1:10.11	ANDRE P STEYNBERG	USA	2021	5:12.05	GRAHAM JOHNSTON	USA	2001	1:21.98	PEDER DAHLBERG	USA	2019
200 M. FLY				5:14.11	RICK B WALKER	USA	2021	1:22.75	STUART ELLICOTT	AUS	2022
2:33.40	LAWRENCE DAY	USA	2016	5:16.42	HUBIE KERNS	USA	2019	1:22.75	ROBERT W WRIGHT	USA	2021
2:35.36	RICK COLELLA	USA	2017	5:17.20	DAVID RADCLIFF	USA	2008	1:23.63	ROBERT STRAND	USA	2016
2:36.11	GREG SANCHEZ	USA	2022	5:19.29	DAVID QUIGGIN	USA	2015	1:23.65	KENNETH FROST	USA	2014
2:39.01	KAZUHIRO OTSUKA	JPN	2021	5:21.27	TOM LANDIS	USA	2012	1:24.12	DAVID GILDEA	USA	2013
2:41.92	TAKEO HIRAMOTO	JPN	2015	5:24.57	FRANK MCELROY	USA	2018	1:24.16	TOSHIHARU FUJII	JPN	2022
2:47.11	PHIL DODSON	USA	2018	800 M. FREE				1:24.33	ALLEN STARK	USA	2019
2:47.48	MARK MODJESKA	USA	2018	10:37.71	DAN KIRKLAND	USA	2018	1:24.71	KARL WIEDAMANN	USA	2008
2:47.60	DEREK PARR	GBR	2009	10:45.92	GRAHAM JOHNSTON	USA	2002	200 M. BRST			
2:49.03	JAMES H RITTER	USA	2021	10:47.60	RICK B WALKER	USA	2021	2:57.87	TIMOTHY SHEAD	RSA	2022
2:49.59	ROLAND FREYGANG	GER	2019	10:49.02	DAVID RADCLIFF	USA	2006	3:04.79	MICHAEL MOLONEY	AUS	2009
200 M. I.M.				10:50.20	CHRIS DUNN	GBR	2016	3:06.10	ALLEN STARK	USA	2019
2:25.22	RICK COLELLA	USA	2016	10:58.37	HUBIE KERNS	USA	2019	3:06.76	STUART ELLICOTT	AUS	2022
2:35.93	TIM SHEAD	RSA	2017	11:04.75	K.NOTTRODT	GER	2022	3:07.17	PEDER DAHLBERG	USA	2019
2:37.62	DAN STEPHENSON	USA	2022	11:07.43	MOSHE GERTEL	ISR	2017	3:07.26	ROBERT STRAND	USA	2016
2:39.23	HUBIE KERNS	USA	2014	11:11.57	G.SCARMEL	ITA	2022	3:07.50	KARL WIEDAMANN	USA	2008
2:39.44	BRUCE YOUNG	USA	2022	11:18.60	J-C.LESTIDEAU	FRA	2016	3:07.93	KENNETH FROST	USA	2014
2:41.01	DOUG KAJIWARA	USA	2022	1500 M. FREE				3:09.09	NORIAKI TSUJI	JPN	2016
2:41.20	ALEK SHESTAKOV	USA	2014	20:26.12	DAN KIRKLAND	USA	2018	3:09.23	DOUGLAS SPRINGER	USA	2016
2:41.77	PATRICK MOREAU	FRA	2018	20:36.56	GRAHAM JOHNSTON	USA	2001	50 M. FLY			
2:41.80	FRANKLIN M HALLEY	USA	2022	20:53.43	RICK B WALKER	USA	2021	29.98	LAWRENCE J DAY	USA	2021
2:42.35	GREG SANCHEZ	USA	2022	21:07.50	DAVID RADCLIFF	USA	2008	30.06	RICHARD ABRAHAMS	USA	2015
400 M. I.M.				21:08.22	CHRIS DUNN	GBR	2017	30.65	LEE CHILDS	USA	2018
5:13.36	RICK COLELLA	USA	2017	21:12.56	TOM LANDIS	USA	2012	30.74	MARC D MIDDLETON	USA	2021
5:40.43	LAWRENCE DAY	USA	2016	21:30.18	G.SCARMEL	ITA	2022	30.81	STEVE BOROWSKI	USA	2017
5:42.24	PATRICK MOREAU	FRA	2018	21:36.26	HUBIE KERNS	USA	2019	30.90	JOEL BURNS	USA	2016
5:43.61	GREG SANCHEZ	USA	2022	21:49.74	WERNER SCHNABEL	GER	2006	31.20	RICHARD BURNS	USA	2015
5:50.98	ALEK SHESTAKOV	USA	2014	21:50.53	DAVID QUIGGIN	USA	2015	31.25	KEVIN M MCCORMACK	USA	2022
5:51.00	DOV NISMAN	ISR	2019	50 M. BACK				31.28	JOSEF CLARET	ESP	2014
5:51.91	HUBIE KERNS	USA	2014	33.58	HUGH WILDER	USA	2017	31.36	ANDREW MCPHERSON	USA	2017
5:52.31	FRANKLIN M HALLEY	USA	2022	33.59	RICHARD BURNS	USA	2013	100 M. FLY			
5:52.40	JEFFREY BOATRIGHT	USA	2019	33.69	RICHARD BOBER	USA	2021	1:07.40	LAWRENCE J DAY	USA	2021
5:52.50	GEORGE WENDT	USA	2012	34.65	FRED SCHLICHER	USA	2018	1:12.43	FRED SCHLICHER	USA	2018
*****				34.74	MORRIE CHIANG	TPE	2019	1:12.43	ANDREW MCPHERSON	USA	2017
M E N 70-74				34.76	GRAEME ARMSTRONG	AUS	2022	1:12.66	RICHARD ABRAHAMS	USA	2015
*****				34.81	J-C LESTIDEAU	ESP	2016	1:14.20	ROBERT POILETMAN	USA	2013
50 M. FREE				34.90	BERND HORSTMANN	GER	2012	1:14.47	JOSEF CLARET	ESP	2014
27.71	RICHARD ABRAHAMS	USA	2015	34.92	JAY BRZEZINSKI	USA	2017	1:15.23	J-C LESTIDEAU	ESP	2016
27.93	STEVE BOROWSKI	USA	2017	35.21	STEVEN HECK	USA	2019	1:15.79	RICHARD BURNS	USA	2015
28.30	JOHN LIRON	GBR	2018	100 M. BACK				1:16.04	KOJI IWAMOTO	JPN	2012
28.35	IAN SMITH	CAN	2011	1:13.49	HUGH WILDER	USA	2017	1:16.18	BARRY YOUNG	NZL	2009
28.46	DAVID QUIGGIN	USA	2015	1:13.77	LAWRENCE J DAY	USA	2021	200 M. FLY			
28.46	WOLFRAM GOTTFRIED	GER	2004	1:15.13	RICHARD BURNS	USA	2013	2:47.17	LAWRENCE J DAY	USA	2021
28.53	JEFF FARRELL	USA	2007	1:15.24	BARRY YOUNG	NZL	2009	2:53.26	BARRY YOUNG	NZL	2009
28.55	JAMES ELDER	USA	2013	1:16.14	BERND HORSTMANN	GER	2013	2:53.43	FRED SCHLICHER	USA	2018
28.65	CAV CAVANAUGH	USA	2005	1:16.83	RICHARD BOBER	USA	2021	2:57.43	ROLAND FREYGANG	GER	2022
28.66	RONALD JOHNSON	USA	2001	1:17.27	SERGIO PINHEIRO	BRA	2017	2:59.21	ROBERT POILETMAN	USA	2013
100 M. FREE				1:17.64	J-C LESTIDEAU	ESP	2016	3:01.21	HUBIE KERNS	USA	2019
1:03.32	DAVID QUIGGIN	USA	2015	1:18.06	JAY BRZEZINSKI	USA	2017	3:03.40	J-C LESTIDEAU	ESP	2016
1:03.71	RICHARD ABRAHAMS	USA	2015	1:18.10	STEVEN HECK	USA	2019	3:03.85	PAUL WYATT	AUS	2017
1:04.85	RICHARD BURNS	USA	2013	200 M. BACK				3:04.35	GUNTER SCHOPKE	GER	2010
1:05.40	CAV CAVANAUGH	USA	2005	2:40.25	LAWRENCE J DAY	USA	2021	3:05.87	RUDOLF SMERDA	CZE	2017
1:05.45	CHRIS DUNN	GBR	2016	2:44.59	RICHARD BURNS	USA	2013	200 M. I.M.			
1:05.54	STEVE BOROWSKI	USA	2017	2:46.27	FRED SCHLICHER	USA	2018	2:42.94	LAWRENCE J DAY	USA	2021
1:05.57	GERHARD WIELAND	AUT	2015	2:47.91	DAN KIRKLAND	USA	2018	2:44.36	BARRY YOUNG	NZL	2009
1:05.61	GERHARD SCHILLER	GER	2019	2:48.10	BARRY YOUNG	NZL	2009	2:47.63	HUBIE KERNS	USA	2019
1:05.79	JAMES ELDER	USA	2014	2:49.85	BERND HORSTMANN	GER	2013	2:48.00	TIMOTHY SHEAD	RSA	2022
1:05.80	ABED OUADAH	FRA	2022	2:52.05	WILLIAM WARDLE	USA	2022	2:49.38	FRED SCHLICHER	USA	2018
200 M. FREE				2:53.46	JOZSEF CSIKANY	HUN	2015	2:52.31	STEVEN HECK	USA	2019
2:23.30	FRED SCHLICHER	USA	2018	2:54.18	JON RYSDON	USA	2022	2:52.57	JOSEF KOCSI	AUT	2017
2:24.22	DAN KIRKLAND	USA	2018	2:54.19	STEVEN HECK	USA	2019	2:52.77	LEE CHILDS	USA	2018
2:24.41	DAVID QUIGGIN	USA	2014	50 M. BRST				2:53.82	J-C LESTIDEAU	ESP	2016
2:25.42	CHRIS DUNN	GBR	2016	35.01	TIMOTHY SHEAD	RSA	2022	2:54.06	ROBERT STRAND	USA	2016
2:26.20	DAVID RADCLIFF	USA	2008	36.21	ROBERT W WRIGHT	USA	2021	400 M. I.M.			
2:27.26	ALAN BERNARD	USA	2019	36.26	STUART ELLICOTT	AUS	2022	5:55.97	LAWRENCE J DAY	USA	2021
				36.57	PEDER DAHLBERG	USA	2019	5:57.81	BARRY YOUNG	NZL	2009

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



6:01.90	ALEK SHESTAKOV	USA 2019	23:28.60	B.CAMMELLI	ITA 2018	33.17	JOSEF CLARET	ITA 2019
6:03.96	TIMOTHY SHEAD	RSA 2022	23:29.81	TOSHIO TOMINAGA	JPN 2018	33.26	JIM DRAGON	USA 2019
6:06.60	FRED SCHLICHER	USA 2018	23:30.55	YASUSHI YAMAGUCHI	JPN 2014	33.27	AKIRA TAKAKURA	JPN 2016
6:06.99	HUBIE KERNS	USA 2019	50 M. BACK			33.37	HORST LEHMANN	GER 2022
6:14.16	PATRICK MOREAU	FRA 2022	34.45	RICHARD BURNS	USA 2018	33.74	NEIL MACKINNON	GBR 2016
6:19.41	JOSEF KOCSI	AUT 2017	36.14	YOSHI OYAKAWA	USA 2008	33.83	MIKE FRESHLEY	USA 2016
6:22.62	STEVEN HECK	USA 2019	36.32	JOZSEF CSIKANY	HUN 2018	33.83	JOHN SMITH	USA 2013
6:23.86	J-C LESTIDEAU	ESP 2017	36.38	S.SEKIKAWA	JPN 2008	100 M. FLY		

M E N 75-79								

50 M. FREE			36.90	BURWELL JONES	USA 2010	1:20.68	RICHARD BURNS	USA 2018
29.19	DAVID QUIGGIN	USA 2019	37.24	BERND HORSTMANN	GER 2019	1:21.57	RUDOLF SMERDA	CZE 2018
29.60	RICHARD BURNS	USA 2019	37.51	KEIJIRO NAKAMURA	JPN 1998	1:21.90	HORST LEHMANN	GER 2022
29.87	JAMES ELDER	USA 2018	37.59	RYUJI TAKAMINE	JPN 2016	1:22.54	AKIRA TAKAKURA	JPN 2017
30.08	AKIRA FUJIMAKI	JPN 2018	37.68	Y.FUNAHASHI	JPN 2015	1:24.28	DEREK PARR	GBR 2019
30.26	IAN SMITH	CAN 2016	37.81	H.MURAKAMI	JPN 2018	1:25.60	TAISUKE MIYAZAKI	JPN 2014
30.28	DAVID RADCLIFF	USA 2009	100 M. BACK			1:26.04	TAKASHI HAYASHI	JPN 2008
30.30	MIKE FRESHLEY	USA 2016	1:17.17	RICHARD BURNS	USA 2018	1:26.41	GUNTER SCHOPKE	GER 2015
30.32	NEIL MACKINNON	GBR 2016	1:20.06	JOZSEF CSIKANY	HUN 2018	1:27.26	YASUTAKA KOIKE	JPN 2018
30.40	TSUTOMU EBIHARA	JPN 2015	1:20.98	BURWELL JONES	USA 2009	1:27.65	KOJI IWAMOTO	JPN 2017
30.63	SHINGO YAMAMOTO	JPN 2008	1:21.52	YOSHI OYAKAWA	USA 2008	200 M. FLY		
100 M. FREE			1:22.05	S.SEKIKAWA	JPN 2009	3:11.38	RUDOLF SMERDA	CZE 2018
1:06.40	AKIRA FUJIMAKI	JPN 2018	1:22.65	BERND HORSTMANN	GER 2019	3:18.12	RICHARD KITCHELL	USA 2015
1:06.55	RICHARD BURNS	USA 2019	1:25.03	GERHARD WIELAND	AUT 2022	3:22.72	GUNTER SCHOPKE	GER 2015
1:06.63	DAVID RADCLIFF	USA 2009	1:25.41	MIKLOS KOVATS	HUN 2016	3:26.21	DAVID MCLACHLAN	RSA 2012
1:07.42	DAVID QUIGGIN	USA 2019	1:25.84	FRANS VAN ENST	NED 2015	3:26.28	TAKASHI HAYASHI	JPN 2008
1:09.06	MIKE FRESHLEY	USA 2016	1:26.00	CLARKE MITCHELL	USA 2007	3:27.09	ALBERTO SICA	ITA 2022
1:09.93	CHRIS DUNN	GBR 2022	1:26.00	KEIJIRO NAKAMURA	JPN 1998	3:27.74	DEREK PARR	GBR 2019
1:10.02	SHINGO YAMAMOTO	JPN 2008	200 M. BACK			3:31.90	WERNER MULLER	GER 2009
1:10.38	GRAHAM JOHNSTON	USA 2006	2:50.25	RICHARD BURNS	USA 2018	3:32.05	J.LESTIDEAU	FRA 2022
1:10.49	HIROSHI MATSUMOTO	JPN 2012	2:57.72	BURWELL JONES	USA 2010	3:33.34	GIULIO DIVANO	ITA 2010
1:10.50	RUDOLF SMERDA	CZE 2018	2:58.32	JOZSEF CSIKANY	HUN 2018	200 M. I.M.		
200 M. FREE			2:59.75	BERND HORSTMANN	GER 2019	2:57.66	RICHARD BURNS	USA 2019
2:25.66	DAVID RADCLIFF	USA 2009	3:04.07	S.SEKIKAWA	JPN 2010	2:59.01	MIKE FRESHLEY	USA 2016
2:33.87	AKIRA FUJIMAKI	JPN 2018	3:07.08	MARTY MENNEN	USA 2011	3:03.47	JOSEF KOCSI	AUT 2022
2:35.32	BURWELL JONES	USA 2009	3:07.83	T.HASHIMOTO	JPN 2016	3:06.58	BURWELL JONES	USA 2009
2:35.37	CHRIS DUNN	GBR 2022	3:08.82	CHRIS DUNN	GBR 2022	3:07.29	GERHARD HOLE	GER 2010
2:36.30	GRAHAM JOHNSTON	USA 2006	3:10.25	ROGER FRANKS	USA 2002	3:07.60	RUDOLF SMERDA	CZE 2018
2:37.67	TONY RALPHS	USA 2018	3:10.36	KARL DONOGHUE	CAN 2015	3:07.76	GERSHON SHEFA	ISR 2018
2:38.21	ED REED	USA 2018	50 M. BRST			3:08.11	CHRIS DUNN	GBR 2022
2:40.66	DAVID QUIGGIN	USA 2019	38.12	ROBERTO RUGGIERI	ITA 2022	3:09.33	IKURO SHIMONO	JPN 2012
2:40.79	MASATO YOSHINO	JPN 2013	39.06	PETER ANDERSEN	USA 2018	3:09.69	ALBERTO SICA	ITA 2022
2:41.06	IKURO SHIMONO	JPN 2013	39.22	ANTONIO ORSELLI	BRA 2017	400 M. I.M.		
400 M. FREE			39.37	JOSEF KOCSI	AUT 2022	6:34.91	MIKE FRESHLEY	USA 2016
5:17.77	DAVID RADCLIFF	USA 2009	39.62	MIKE FRESHLEY	USA 2016	6:48.48	BURWELL JONES	USA 2009
5:32.06	GRAHAM JOHNSTON	USA 2006	39.65	HANS REICHELT	GER 2011	6:50.66	KURT FREI	SUI 2022
5:32.59	CHRIS DUNN	GBR 2022	39.92	TONY GOODWIN	AUS 2012	6:57.53	MASARU SHINKAI	JPN 2015
5:33.42	BURWELL JONES	USA 2009	40.01	TETSUO NAKAMARU	JPN 2010	6:58.19	GIULIO DIVANO	ITA 2009
5:39.94	JOHN CRISP	AUS 2010	40.20	MIKHAIL FARAFONOV	RUS 2012	6:58.62	ALBERTO SICA	ITA 2022
5:40.14	DAVID QUIGGIN	USA 2019	40.28	TATSUO ASAI	JPN 2016	7:01.55	ED REED	USA 2018
5:41.24	TONY RALPHS	USA 2018	100 M. BRST			7:03.86	JOAQUIN CANALES	ESP 2015
5:41.43	TADANOBU YAMADA	JPN 2018	1:27.74	MIKE FRESHLEY	USA 2016	7:06.53	PAUL WYATT	AUS 2022
5:43.90	IKURO SHIMONO	JPN 2013	1:29.15	MASARU SHINKAI	JPN 2016	7:07.19	CHRIS DUNN	GBR 2022
5:43.91	WERNER SCHNABEL	GER 2011	1:29.35	TONY GOODWIN	AUS 2012	*****		
800 M. FREE			1:29.55	TETSUO NAKAMARU	JPN 2010	M E N 80-84		
11:07.90	DAVID RADCLIFF	USA 2009	1:29.92	HANS REICHELT	GER 2011	*****		
11:24.63	CHRIS DUNN	GBR 2022	1:30.22	PETER ANDERSEN	USA 2018	50 M. FREE		
11:25.95	GRAHAM JOHNSTON	USA 2006	1:30.60	ANTONIO ORSELLI	BRA 2017	31.28	HELMUT RICHTER	GER 2019
11:50.86	TONY RALPHS	USA 2018	1:31.46	ALBERTO SICA	ITA 2021	31.96	ROBERTO ALBERICHE	ESP 2012
11:59.76	JOHN CRISP	AUS 2010	1:31.53	ROBERTO RUGGIERI	ITA 2022	32.05	HIROSHI MATSUMOTO	JPN 2016
11:59.91	MASATO YOSHINO	JPN 2013	1:31.65	BELA FABIAN	HUN 2012	32.18	JEFF FARRELL	USA 2017
12:02.17	JOHN RICHARDS	AUS 2017	200 M. BRST			32.73	B.SCHLURIKE	GER 2002
12:04.82	IGOR BROVIN	RUS 2009	3:13.93	MIKE FRESHLEY	USA 2016	32.83	TSUTOMU HAYASHI	JPN 2016
12:08.69	IKURO SHIMONO	JPN 2012	3:17.54	TONY GOODWIN	AUS 2012	32.92	CAV CAVANAUGH	USA 2015
12:14.79	WERNER SCHNABEL	GER 2011	3:18.14	MASARU SHINKAI	JPN 2016	33.08	SHINGO YAMAMOTO	JPN 2012
1500 M. FREE			3:24.08	HANS REICHELT	GER 2011	33.09	FRANK PIEMME	USA 2005
21:03.06	DAVID RADCLIFF	USA 2009	3:26.50	GERSHON SHEFA	ISR 2018	33.12	KEIJIRO NAKAMURA	JPN 2004
21:29.62	CHRIS DUNN	GBR 2022	3:27.50	STEVEN B PETERSON	USA 2021	100 M. FREE		
22:38.01	TONY RALPHS	USA 2018	3:28.01	NORIAKI TSUJI	JPN 2021	1:11.82	DAVID RADCLIFF	USA 2014
22:48.56	JOHN CRISP	AUS 2010	3:28.51	SHUNSAKU TAKAHIRA	JPN 2007	1:12.68	HIROSHI MATSUMOTO	JPN 2016
23:02.25	GRAHAM JOHNSTON	USA 2006	3:28.63	TSUTOMU KAJIHARA	JPN 2008	1:13.12	ROBERTO ALBERICHE	ESP 2011
23:16.89	MASATO YOSHINO	JPN 2014	3:28.79	BELA FABIAN	HUN 2012	1:14.33	MASATO YOSHINO	JPN 2018
23:23.92	DAVID QUIGGIN	USA 2019	50 M. FLY			1:16.04	GRAHAM JOHNSTON	USA 2011
			31.75	JOEL J BURNS	USA 2021	1:16.09	JEFF FARRELL	USA 2018
			32.17	RICHARD BURNS	USA 2018	1:16.22	CAV CAVANAUGH	USA 2015
			32.61	Y.FUNAHASHI	JPN 2014	1:16.31	HELMUT RICHTER	GER 2019
			32.76	HIROSHI MATSUMOTO	JPN 2012			

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15:24.97	HIROSHI IMAIZUMI	JPN	2010	4:15.11	FRANK PIEMME	USA	2010	1:37.69	KARL HAUTER	GER	2015
1500 M. FREE				4:15.52	CLAUDIO NEGRI	ITA	2021	1:38.05	GORO KOBAYASHI	JPN	2006
26:18.37	DAVID RADCLIFF	USA	2019	4:16.56	THOMAS MAINE	USA	2010	1:40.54	TOKUSHI KOMEDA	JPN	2004
27:47.93	KATSURA SUZUKI	JPN	2016	50 M. FLY				1:41.87	WILLARD LAMB	USA	2014
27:50.01	GRAHAM JOHNSTON	USA	2016	43.62	ROBERTO ALBERICHE	ESP	2017	1:43.22	WOODY BOWERSOCK	USA	2003
28:35.24	WILLARD LAMB	USA	2008	44.68	TAKASHI HAYASHI	JPN	2018	1:45.51	GEORGE CORONES	AUS	2009
29:00.17	ROD BAKER	AUS	2013	44.87	YOSHINAO KAMEI	JPN	2018	1:48.50	ANTON BIEDERMANN	BRA	2014
29:12.85	JURGEN SCHMIDT	USA	2008	45.31	CLARKE MITCHELL	USA	2017	1:49.42	BOB BEST	USA	2022
29:29.44	ROBERT BEACH	USA	2015	45.63	FRANK PIEMME	USA	2010	1:50.28	JURGEN SCHMIDT	USA	2013
29:53.88	JIM EUBANK	USA	2000	45.98	PATRICK GALVIN	AUS	2019	200 M. FREE			
30:10.16	HIROSHI IMAIZUMI	JPN	2010	46.48	ANDREW HOLDEN	USA	2004	3:33.64	KATSURA SUZUKI	JPN	2021
30:14.52	TOKUSHI KOMEDA	JPN	1999	46.85	TOSHIO TAJIMA	JPN	2010	3:39.15	KARL HAUTER	GER	2016
50 M. BACK				47.15	LAURI MALK	FIN	2022	3:41.77	WILLARD LAMB	USA	2013
39.89	KEIJIRO NAKAMURA	JPN	2008	47.81	JOHN COCKS	AUS	2021	3:54.89	TOKUSHI KOMEDA	JPN	2004
40.50	YOSHI OYAKAWA	USA	2018	100 M. FLY				4:02.49	JURGEN SCHMIDT	USA	2013
42.04	CLARKE MITCHELL	USA	2017	1:50.27	JOHN COCKS	AUS	2021	4:05.26	CHRIS SMITH	CAN	2022
42.17	GORO KOBAYASHI	JPN	2001	1:52.68	TAKASHI HAYASHI	JPN	2018	4:10.09	D.CASOLINO	ITA	2017
44.52	FRED VAN DYKE	USA	2006	1:55.18	THOMAS MAINE	USA	2010	4:10.21	GOTTFRIED KLARING	GER	2020
45.16	TOSHIJI SATO	JPN	2000	2:00.90	WILLIAM LAUER	USA	2019	4:10.40	WOODY BOWERSOCK	USA	2003
45.24	JOHN COCKS	AUS	2021	2:02.53	ANDREW HOLDEN	USA	2004	4:19.52	MASAHISA KANEKO	JPN	2002
45.33	SHOICHI SAKAMOTO	JPN	2004	2:05.21	KARL HAUTER	GER	2010	400 M. FREE			
45.45	ILO FONSECA	BRA	2015	2:05.39	FRANK PIEMME	USA	2010	7:38.88	KATSURA SUZUKI	JPN	2022
45.58	ROBERTO ALBERICHE	ESP	2017	2:05.56	LAURI MALK	FIN	2022	8:01.57	WILLARD LAMB	USA	2014
100 M. BACK				2:10.28	WALTER PFEIFFER	USA	1999	8:05.10	KARL HAUTER	GER	2017
1:31.65	KEIJIRO NAKAMURA	JPN	2008	2:11.44	ANTON CERER	USA	2002	8:13.45	TOKUSHI KOMEDA	JPN	2004
1:36.34	GORO KOBAYASHI	JPN	2001	200 M. FLY				8:48.73	JURGEN SCHMIDT	USA	2013
1:38.07	CLARKE MITCHELL	USA	2017	4:15.86	THOMAS MAINE	USA	2010	9:00.03	D.CASOLINO	ITA	2017
1:41.25	TOSHIJI SATO	JPN	2000	4:26.07	JOHN COCKS	AUS	2021	9:31.51	THOMAS MAINE	USA	2015
1:42.20	YOSHI OYAKAWA	USA	2018	4:46.99	KARL HAUTER	GER	2010	9:35.43	ARTHUR THOMAS	AUS	2007
1:42.86	FRITZ ILGEN	GER	2018	4:47.63	ANDREW HOLDEN	USA	2004	9:38.67	JAMES TAR	BRA	2014
1:45.37	ROGER BURRELL	GBR	2016	4:48.82	TAKASHI HAYASHI	JPN	2018	9:39.37	WOODY BOWERSOCK	USA	2003
1:46.94	JOHN COCKS	AUS	2022	4:56.04	LAURI MALK	FIN	2022	800 M. FREE			
1:46.99	DAVID COSTILL	USA	2022	4:57.41	ANTON CERER	USA	2002	15:20.31	KATSURA SUZUKI	JPN	2021
1:48.22	ROD BAKER	AUS	2014	5:06.00	WALTER PFEIFFER	USA	1999	16:28.37	WILLARD LAMB	USA	2013
200 M. BACK				5:07.93	PAUL KRUP	USA	2002	17:29.90	KARL HAUTER	GER	2017
3:28.59	KEIJIRO NAKAMURA	JPN	2008	5:08.70	SERHIY SIMANKOV	UKR	2017	17:54.42	TOKUSHI KOMEDA	JPN	2005
3:41.06	GORO KOBAYASHI	JPN	2002	200 M. I.M.				17:55.95	D.CASOLINO	ITA	2017
3:48.38	TOSHIJI SATO	JPN	2000	3:38.94	JOHN COCKS	AUS	2021	17:58.02	JURGEN SCHMIDT	USA	2013
3:51.36	FRITZ ILGEN	GER	2018	3:50.48	IKURO SHIMONO	JPN	2022	19:35.42	THOMAS MAINE	USA	2015
3:51.72	CLARKE MITCHELL	USA	2017	3:51.20	THOMAS MAINE	USA	2010	19:36.32	NILS FERM	SWE	2007
3:54.81	ROD BAKER	AUS	2013	3:51.88	FRANK PIEMME	USA	2010	20:07.15	EDWARD HOY	GBR	2019
3:55.94	E.NODENSCHNEIDER	FRA	2021	3:57.74	KARL HAUTER	GER	2010	20:09.22	JOHN HARRISON	GBR	2004
3:56.07	JOHN COCKS	AUS	2022	4:01.69	YOSHINAO KAMEI	JPN	2018	1500 M. FREE			
3:56.39	NORIO HAYASHI	JPN	2015	4:06.36	GRAHAM JOHNSTON	USA	2016	30:31.69	KATSURA SUZUKI	JPN	2021
3:56.47	KARL HAUTER	GER	2010	4:07.75	HIROSHI IMAIZUMI	JPN	2010	31:12.82	WILLARD LAMB	USA	2014
50 M. BRST				4:12.22	BOB BEST	USA	2019	33:14.04	CHRIS SMITH	CAN	2022
45.58	TOSHIO TAJIMA	JPN	2011	4:12.80	BELA FABIAN	HUN	2022	34:48.90	D.CASOLINO	ITA	2017
46.08	MIKHAIL FARAFONOV	RUS	2022	400 M. I.M.				36:22.20	JURGEN SCHMIDT	USA	2013
46.23	Y.MIYAMOTO	JPN	2002	7:56.23	JOHN COCKS	AUS	2021	36:47.02	GUS LANGNER	USA	1993
46.45	HANS REICHELT	GER	2022	8:21.81	THOMAS MAINE	USA	2010	37:21.89	NILS FERM	SWE	2007
46.53	HIROFUMI HOSOTANI	JPN	2020	8:34.82	KARL HAUTER	GER	2010	37:31.09	EDWARD HOY	GBR	2019
47.49	TONY GOODWIN	AUS	2022	8:45.80	WILLIAM LAUER	USA	2019	38:18.63	THOMAS MAINE	USA	2015
48.20	PATRICK GALVIN	AUS	2018	9:13.39	BOB BEST	USA	2017	38:53.18	ELI KITAY	AUS	2014
48.93	JOHN COCKS	AUS	2021	9:21.90	ANTON CERER	USA	2001	50 M. BACK			
48.94	GERHARD GIERA	GER	2013	9:28.34	YOSHINAO KAMEI	JPN	2019	46.82	GORO KOBAYASHI	JPN	2006
49.15	BELA FABIAN	HUN	2022	9:39.12	LAURI MALK	FIN	2022	51.01	K.KLAUSTERMEYER	GER	2019
100 M. BRST				9:42.77	WALTER PFEIFFER	USA	1999	51.92	ZAVEN BOGHOSSIAN	BRA	2017
1:43.68	TONY GOODWIN	AUS	2022	9:47.71	E.NODENSCHNEIDER	FRA	2021	51.94	ALAN WEEDEN	USA	2014
1:46.19	HANS REICHELT	GER	2021	*****				53.26	KAZUNAGA AKUTSU	JPN	2002
1:46.96	HIROFUMI HOSOTANI	JPN	2020	M E N 90-94				53.81	KAIZO WATANABE	JPN	2014
1:49.64	PATRICK GALVIN	AUS	2018	*****				53.99	R.REINSTADTLER	GER	2002
1:50.02	IWAO NARUSE	JPN	2017	50 M. FREE				54.07	TOSHIJI SATO	JPN	2005
1:50.91	SHUNSAKU TAKAHIRA	JPN	2018	39.19	WOODY BOWERSOCK	USA	2003	54.39	BELA BANKI	HUN	2010
1:51.56	TAKAO TSUCHIYA	JPN	2016	40.89	TOSHIMI INATOMI	JPN	2016	54.41	MASAHISA KANEKO	JPN	2003
1:51.79	FRANK PIEMME	USA	2010	40.93	GEORGE CORONES	AUS	2008	100 M. BACK			
1:52.21	JOHN COCKS	AUS	2022	42.17	ROGER HALIMI	FRA	2012	1:45.46	GORO KOBAYASHI	JPN	2006
1:52.88	BELA FABIAN	HUN	2022	42.32	ZAVEN BOGHOSSIAN	BRA	2017	1:59.92	WILLARD LAMB	USA	2014
200 M. BRST				42.61	KATSURA SUZUKI	JPN	2022	2:01.03	JAN ZIEGLER	CZE	2015
3:52.66	TONY GOODWIN	AUS	2022	43.03	TOKUSHI KOMEDA	JPN	2004	2:02.90	KARL HAUTER	GER	2015
3:58.36	HANS REICHELT	GER	2021	43.50	WILLARD LAMB	USA	2015	2:04.48	TOSHIJI SATO	JPN	2006
3:58.55	JOHN COCKS	AUS	2021	43.78	KAZUNAGA AKUTSU	JPN	2002	2:04.94	R.REINSTADTLER	GER	2002
3:59.60	SHUNSAKU TAKAHIRA	JPN	2018	44.07	MIRIO VINCENTIN	ARG	2009	2:06.63	BELA BANKI	HUN	2010
4:10.75	AL CRAIG	USA	2012	100 M. FREE				2:07.20	JOHN MERRILL	USA	2007
4:13.50	PATRICK GALVIN	AUS	2018	1:36.05	KATSURA SUZUKI	JPN	2022	2:07.33	KAIZO WATANABE	JPN	2014
4:13.81	KARL HAUTER	GER	2010					2:07.37	NILS FERM	SWE	2008

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



200 M. BACK		5:12.11	WALTER PFEIFER	USA 2003	1:02.35	B.BANKI-HORVATH	HUN 2015	
4:05.77	GORO KOBAYASHI	JPN 2007	5:39.42	CHRIS SMITH	CAN 2022	1:02.92	KAROL ZEMIER	POL 2017
4:20.06	WILLARD LAMB	USA 2014	5:43.35	ALDO CAPUTI	ITA 2005	1:03.32	KAZUNAGA AKUTSU	JPN 2007
4:24.15	JAN ZIEGLER	CZE 2015	6:10.88	JOHN HARRISON	GBR 2005	1:07.47	ALFRED SCHULHOF	CAN 2014
4:30.05	KARL HAUTER	GER 2017	6:25.78	JESSE COON	USA 2000	1:10.06	NORI YAMAMOTO	JPN 2005
4:32.63	NILS FERM	SWE 2009	400 M. I.M.			1:10.49	JEAN LEEMPUT	FRA 2009
4:33.77	BELA BANKI	HUN 2010	9:56.43	THOMAS MAINE	USA 2015	1:12.16	KAIZO WATANABE	JPN 2018
4:34.60	R.REINSTADTLER	GER 2002	11:19.91	WALTER PFEIFER	USA 2003	100 M. BACK		
4:37.96	CHRIS SMITH	CAN 2022	13:52.72	JESSE COON	USA 2000	2:11.19	WILLARD LAMB	USA 2017
4:40.87	KAIZO WATANABE	JPN 2013	17:53.58	ROBERT DOUD	USA 2013	2:15.18	ANTON BIEDERMANN	BRA 2019
4:41.28	TOSHIJI SATO	JPN 2005				2:22.83	TOSHIJI SATO	JPN 2010
50 M. BRST			*****			2:31.61	KAZUNAGA AKUTSU	JPN 2007
50.71	TOSHIO TAJIMA	JPN 2015	M E N 95-99			2:32.01	B.BANKI-HORVATH	HUN 2015
55.52	KARL HAUTER	GER 2016	*****			2:34.18	FRANK GRANNIS	USA 2019
56.75	BOB BEST	USA 2022	50 M. FREE			2:41.42	ALFRED SCHULHOF	CAN 2014
57.20	HIROMU YOSHIMOTO	JPN 2005	45.71	WILLARD LAMB	USA 2017	2:42.01	JOHN HARRISON	GBR 2009
58.93	GOTTFRIED KLARING	GER 2020	47.30	GEORGE CORONES	AUS 2013	2:54.90	NORI YAMAMOTO	JPN 2005
59.18	GERHARD GIERA	GER 2019	48.42	ANTON BIEDERMANN	BRA 2019	3:04.37	GARY WEISENTHAL	USA 2008
59.41	HARUO FUKATSU	JPN 2022	48.66	HIDEKAZU TAMURA	JPN 2015	200 M. BACK		
1:00.52	C.DE MUNIZAGA	GER 2022	55.88	GUS LANGNER	USA 1998	4:34.73	WILLARD LAMB	USA 2018
1:00.75	SEIJI TAKAHASHI	JPN 2005	56.99	KAZUNAGA AKUTSU	JPN 2007	5:24.20	HORVATH BANKI	HUN 2015
1:00.98	H.REITEMEYER	GER 2011	1:02.27	JAMES TAR	BRA 2019	5:30.07	TOSHIJI SATO	JPN 2010
100 M. BRST			1:03.14	JARING TIMMERMAN	CAN 2005	5:42.06	ANTON BIEDERMANN	BRA 2022
2:05.18	KARL HAUTER	GER 2015	1:03.59	KAIZO WATANABE	JPN 2019	6:00.99	JEAN LEEMPUT	FRA 2011
2:15.43	HIROMU YOSHIMOTO	JPN 2005	1:04.28	DONALD J HUBBARD	USA 2022	6:10.65	JOHN HARRISON	GBR 2010
2:20.73	H.REITEMEYER	GER 2011	100 M. FREE			6:38.69	GARY WEISENTHAL	USA 2008
2:21.22	HARUO FUKATSU	JPN 2022	1:47.59	WILLARD LAMB	USA 2017	8:19.55	ALFREDO CHERCHI	AUS 2002
2:21.85	BOB BEST	USA 2022	1:57.54	GEORGE CORONES	AUS 2013	8:23.02	JACK MATHESON	AUS 2012
2:23.53	RAYMOND HAKOMAKI	USA 2010	2:06.00	ANTON BIEDERMANN	BRA 2019	9:33.27	ROBERT M WILLIAMS	USA 2022
2:25.30	C.DE MUNIZAGA	GER 2022	2:17.59	KAZUNAGA AKUTSU	JPN 2007	50 M. BRST		
2:28.24	BRUD CLEAVELAND	USA 2007	2:23.76	JAMES TAR	BRA 2019	1:10.01	GEORGE CORONES	AUS 2013
2:30.45	ALFRED SCHULHOF	CAN 2010	2:29.32	GUS LANGNER	USA 1998	1:10.83	HIROMU YOSHIMOTO	JPN 2010
2:30.49	GEORGE CORONES	AUS 2008	2:31.44	JARING TIMMERMAN	CAN 2005	1:16.52	ALFRED SCHULHOF	CAN 2014
200 M. BRST			2:35.95	K.MROWCZYNSKI	POL 2017	1:17.55	K.MROWCZYNSKI	POL 2017
4:41.26	KARL HAUTER	GER 2017	2:39.10	DONALD J HUBBARD	USA 2022	1:24.88	N.NANNAVECCCHIA	ITA 2017
5:12.25	THOMAS MAINE	USA 2015	2:41.42	ALFRED SCHULHOF	CAN 2014	1:26.15	KAZUNAGA AKUTSU	JPN 2007
5:17.47	HIROMU YOSHIMOTO	JPN 2005	200 M. FREE			1:26.61	GUS LANGNER	USA 1998
5:26.11	GEORGE CORONES	AUS 2009	4:04.60	WILLARD LAMB	USA 2017	1:29.09	B.BANKI-HORVATH	HUN 2016
5:26.75	H.REITEMEYER	GER 2011	5:13.23	GUS LANGNER	USA 1998	1:31.06	BUD JACKSON	USA 2014
5:35.18	MASAHISA KANEKO	JPN 2002	5:36.99	K.MROWCZYNSKI	POL 2017	1:35.45	ROMAN JEZEK	CAN 2009
5:42.50	G.CHIZHEVSKIY	UKR 2016	5:47.82	FRANK GRANNIS	USA 2019	100 M. BRST		
5:46.62	DENZO WAKAYAMA	JPN 2015	5:54.24	JUAN FRANCISCO	ESP 2022	2:40.08	HIROMU YOSHIMOTO	JPN 2010
5:49.32	BELA BANKI	HUN 2010	5:54.84	JAMES TAR	BRA 2019	2:57.35	GEORGE CORONES	AUS 2013
5:53.77	JURGEN SCHMIDT	USA 2014	5:56.17	JARING TIMMERMAN	CAN 2005	3:16.56	BUD JACKSON	USA 2014
50 M. FLY			5:58.59	HORVATH BANKI	HUN 2015	3:36.50	ROMAN JEZEK	CAN 2009
54.13	C.DE MUNIZAGA	GER 2022	6:21.53	HUGH MCGREGOR	CAN 2014	3:37.59	B.BANKI-HORVATH	HUN 2015
1:00.30	WALTER PFEIFER	USA 2003	6:28.25	BUD JACKSON	USA 2014	3:38.45	GUS LANGNER	USA 1998
1:03.95	FRANK GRANNIS	USA 2014	400 M. FREE			3:54.74	JACK MATHESON	AUS 2012
1:05.38	JAN ZIEGLER	CZE 2015	8:43.18	WILLARD LAMB	USA 2017	3:54.78	FRANK GRANNIS	USA 2019
1:05.95	ANDREW HOLDEN	USA 2009	11:30.53	GUS LANGNER	USA 1998	4:23.86	WERNER KELLER	SUI 2019
1:09.14	THOMAS MAINE	USA 2015	11:46.98	JUAN FRANCISCO	ESP 2022	4:45.88	ELI KITAY	AUS 2020
1:10.34	HEINZ SIEGEL	GER 2004	12:10.95	K.MROWCZYNSKI	POL 2017	200 M. BRST		
1:10.59	GUILHERME SILVA	BRA 2019	12:11.73	HORVATH BANKI	HUN 2015	5:47.31	HIROMU YOSHIMOTO	JPN 2010
1:11.54	R.REINSTADTLER	GER 2002	13:16.38	JAMES TAR	BRA 2019	7:11.65	BUD JACKSON	USA 2014
1:11.57	TOKUSHI KOMEDA	JPN 2004	13:19.19	HUGH MCGREGOR	CAN 2014	7:29.12	HORVATH BANKI	HUN 2015
100 M. FLY			13:43.10	GARY WEISENTHAL	USA 2008	7:37.17	GUS LANGNER	USA 1998
2:23.56	THOMAS MAINE	USA 2015	19:15.56	WERNER KELLER	SUI 2019	7:54.76	ROMAN JEZEK	CAN 2009
2:31.03	WALTER PFEIFER	USA 2003	19:16.97	JACK MATHIESON	AUS 2012	8:11.63	JACK MATHESON	AUS 2012
2:38.92	KARL HAUTER	GER 2015	800 M. FREE			9:14.43	WERNER KELLER	SUI 2019
2:46.91	ALDO CAPUTI	ITA 2005	17:42.57	WILLARD LAMB	USA 2017	12:08.37	F.GIANNETTA	ITA 2012
2:49.34	FRANK GRANNIS	USA 2014	22:28.28	GUS LANGNER	USA 1998	50 M. FLY		
3:29.53	JESSE COON	USA 2000	22:52.21	JUAN FRANCISCO	ESP 2022	1:37.18	ALDO CAPUTI	ITA 2010
4:11.06	ROBERT DOUD	USA 2014	24:21.10	HORVATH BANKI	HUN 2015	2:01.41	WALTER PFEIFFER	USA 2008
200 M. FLY			27:57.44	JAMES TAR	BRA 2019	2:40.49	EUGENE LEHMAN	CAN 2008
5:19.18	THOMAS MAINE	USA 2015	28:18.13	GARY WEISENTHAL	USA 2008	100 M. FLY		
5:51.79	WALTER PFEIFER	USA 2003	28:40.69	HUGH MCGREGOR	CAN 2014	4:09.52	WALTER PFEIFFER	USA 2008
6:05.42	ALDO CAPUTI	ITA 2005	42:55.70	JACK MATHIESON	AUS 2012	5:32.26	ROBERT DOUD	USA 2018
8:22.48	JESSE COON	USA 2000	1500 M. FREE			200 M. FLY		
9:44.64	ROBERT DOUD	USA 2013	33:39.77	WILLARD LAMB	USA 2017	11:47.68	ROBERT DOUD	USA 2018
200 M. I.M.			47:30.40	GUS LANGNER	USA 1999	14:05.25	WALTER PFEIFFER	USA 2008
4:27.72	KARL HAUTER	GER 2015	82:25.34	JACK MATHIESON	AUS 2012	200 M. I.M.		
4:35.62	THOMAS MAINE	USA 2015	50 M. BACK			8:55.97	WALTER PFEIFFER	USA 2008
4:51.03	JAN ZIEGLER	CZE 2015	55.90	ANTON BIEDERMANN	BRA 2019	400 M. I.M.		
5:02.64	TOKUSHI KOMEDA	JPN 2004	58.63	WILLARD LAMB	USA 2017	17:29.20	WALTER PFEIFFER	USA 2008
5:08.02	FRANK GRANNIS	USA 2014	1:01.61	TOSHIJI SATO	JPN 2010	22:47.45	ROBERT DOUD	USA 2018

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



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*****
M E N 100-104
*****
50 M. FREE
56.12 GEORGE CORONES AUS 2018
57.42 WILLARD J LAMB USA 2022
1:31.19 JOHN HARRISON GBR 2014
1:40.46 TOM LANE USA 1994
1:47.82 JEAN LEEMPUT FRA 2015
2:15.51 HANS HAHN GER 2008
3:22.65 EDWIN THOMAS USA 1994
100 M. FREE
2:15.99 WILLARD J LAMB USA 2022
2:24.21 GEORGE CORONES AUS 2018
3:23.10 JOHN HARRISON GBR 2014
4:05.98 TOM LANE USA 1994
200 M. FREE
5:18.86 WILLARD J LAMB USA 2022
400 M. FREE
10:55.25 WILLARD J LAMB USA 2022
800 M. FREE
22:15.67 WILLARD J LAMB USA 2022
1500 M. FREE
42:27.06 WILLARD J LAMB USA 2022
50 M. BACK
1:09.17 WILLARD J LAMB USA 2022
1:29.13 JEAN LEEMPUT FRA 2014
1:32.20 JOHN HARRISON GBR 2014
1:50.73 TOM LANE USA 1994
2:25.23 HANS HAHN GER 2008
100 M. BACK
2:29.17 WILLARD J LAMB USA 2022
4:13.84 TOM LANE USA 1994
6:01.50 HANS HAHN GER 2008
200 M. BACK
5:12.53 WILLARD J LAMB USA 2022
9:04.31 TOM LANE USA 1994
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