



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

*****			17:30.18	KAREN BURTON	USA	1991	2:36.82	KATJA BRASCHOSS	GER	2007
WOMEN 25-29			17:32.82	LAURA MCCLEMONT	CAN	2011	2:36.93	LINDA LUND	DEN	2009
*****			17:36.04	DIANE M. GRANER	USA	1990	2:37.16	NATHALIE ELORRIET	FRA	2000
50	M. FREE		50	M. BACK			50	M. FLY		
24.73	AMY SMITH	GBR 2013	28.29	YURIE OGA	JPN 2014		27.08	NADINE JONES	AUS	2014
25.42	SUMIKA KOMATSU	JPN 2006	28.79	OLGA KLYUCHINKOVA	RUS 2014		27.14	MOTOMI NAKAMURA	JPN	2013
25.53	NATHALIE LARSSON	SWE 2014	28.92	DIANA MACMANUS	USA 2012		27.20	AMY SMITH	GBR	2013
25.61	HANNAH KEEN	GBR 2012	29.20	AKIKO MIZUMOTO	JPN 2006		27.29	YUKO NAKANISHI	JPN	2010
25.66	GEORGINA HEYN	GBR 2011	29.25	AYA SHIMODA	JPN 2010		27.42	ELZANNE WERTH	RSA	2014
25.85	MOTOMI NAKAMURA	JPN 2013	29.46	RYO SAWADA	JPN 2013		27.55	ANNA POLYAKOVA	RUS	2014
25.92	R.FAVREAU	FRA 2014	29.51	LAUREN LAVIGNA	CAN 2014		27.69	OLGA KLYUCHINKOVA	RUS	2014
25.96	PETRA GRANLUND	SWE 2014	29.53	ANE SASETA	ESP 2011		27.84	C. MARGRISON	AUS	2011
25.97	MADISON KENNEDY	USA 2014	29.60	EMILIE JORON	FRA 2006		27.88	NADINE ROLLAND	CAN	2004
26.03	ANDREA GEOROFF	USA 2011	29.75	CARLA STAMPFLI	SUI 2012		27.89	A.CISNEROS	USA	2008
100	M. FREE		100	M. BACK			100	M. FLY		
54.16	AMY SMITH	GBR 2013	1:00.72	YURIE OGA	JPN 2014		1:00.18	YUKO NAKANISHI	JPN	2010
55.28	MARIA FUSTER	ESP 2012	1:01.65	OLGA KLYUCHINKOVA	RUS 2014		1:00.44	ANNA POLYAKOVA	RUS	2014
55.28	HANNA SHCHERBA	FRA 2010	1:02.32	AKIKO MIZUMOTO	JPN 2007		1:00.93	NADINE JONES	AUS	2014
55.32	NADINE JONES	AUS 2014	1:02.48	KANA OHASHI	JPN 2007		1:01.33	SHEILA TAORMINA	USA	1996
56.27	GEORGINA HEYN	GBR 2011	1:02.58	LAUREN LAVIGNA	CAN 2014		1:01.37	A.CISNEROS	USA	2008
56.30	SHEILA TAORMINA	USA 1996	1:02.89	ERIN CAMPBELL	USA 2014		1:01.46	HITOMI MATSUDA	JPN	2005
56.67	HANNAH KEEN	GBR 2012	1:02.99	ANE SASETA	ESP 2011		1:01.70	LINDA LUND	DEN	2009
56.91	A.CISNEROS	USA 2008	1:03.26	CAMILLA JOHANSSON	USA 2002		1:01.97	SOPHIA SKOU	DEN	2004
56.96	HITOMI MATSUDA	JPN 2005	1:03.29	F.ALVARENGA	BRA 2012		1:02.16	ANDREA GEOROFF	USA	2011
56.98	AIMEE RAMM	GBR 2007	1:03.33	LIA OBERSTAR	USA 2001		1:02.18	SARAH HEALEY	GBR	2008
200	M. FREE		200	M. BACK			200	M. FLY		
1:59.78	SHEILA TAORMINA	USA 1996	2:12.84	KANA OHASHI	JPN 2005		2:09.64	YUKO NAKANISHI	JPN	2010
2:01.89	CAROLINE SAXBY	GBR 2011	2:14.77	LIA OBERSTAR	USA 2001		2:17.13	S. PALMER-WHITE	AUS	1991
2:02.50	TATIANA BARBOSA	BRA 2007	2:16.29	ERIN CAMPBELL	USA 2013		2:17.19	HITOMI MATSUDA	JPN	2006
2:02.91	VERONICA BALSANO	BRA 2014	2:16.35	LAUREN LAVIGNA	CAN 2014		2:17.26	ANNA MARKOVA	RUS	2014
2:04.59	HITOMI MATSUDA	JPN 2005	2:16.45	MARION ZOLLER	GER 1995		2:19.30	SANDRA TEMMERMAN	NED	2005
2:05.67	CELINE BAILLOD	SUI 2007	2:17.86	JOLANDA DE ROVER	NED 1992		2:19.51	KATIE KASTES	USA	2014
2:05.72	SAMUELA MAGNELLI	ITA 2009	2:18.22	KELLY HARRIGAN	USA 2010		2:20.70	ABIGAIL FISH	USA	2014
2:05.80	REBECCA WILLIAMS	NZL 1990	2:18.65	CAMILLA JOHANSSON	USA 2002		2:20.82	BARBARA KEHBEIN	GER	1997
2:06.08	BARBARA KEHBEIN	GER 1998	2:19.05	PAMELA HANSON	USA 2004		2:20.96	PRISCILLA MODROV	USA	2013
2:06.20	HEIDI HANNENIAN	USA 1997	2:19.28	OLGA KLYUCHINKOVA	RUS 2014		2:21.46	LIA OBERSTAR	USA	2004
400	M. FREE		50	M. BRST			100	M. I.M.		
4:15.74	SOPHIE CASSON	GBR 2013	30.50	PETRA CHOCOVA	CZE 2014		1:02.29	PETRA CHOCOVA	CZE	2014
4:17.77	FLAVIA RIGAMONTI	USA 2007	31.59	NICOLE HEIDEMANN	GER 2011		1:03.41	MEGAN JENDRICK	USA	2011
4:18.20	CAROLINE SAXBY	GBR 2011	31.87	MEGAN JENDRICK	USA 2010		1:03.67	HITOMI MATSUDA	JPN	2005
4:18.54	MARION VD BERG	NED 2014	31.95	YOSHIMI MIWA	JPN 2012		1:04.23	OLGA KLYUCHINKOVA	RUS	2014
4:24.18	SHEILA TAORMINA	USA 1996	32.20	TRACEY MIRANDE	USA 1995		1:04.25	HANNA ERIKSSON	SWE	2011
4:25.94	LYNN MARSHALL	CAN 1990	32.25	GEORGINA HEYN	GBR 2011		1:04.36	LINDA LUND TIETZE	DEN	2010
4:25.99	ANNA MARKOVA	RUS 2014	32.25	CELINE BAILLOD	SUI 2007		1:04.55	SVELTANA KARPEEVA	RUS	2013
4:26.18	DIANE GRANER	USA 1989	32.76	HITOMI MATSUDA	JPN 2006		1:04.63	GEORGINA HEYN	GBR	2011
4:26.56	CHANTAL DUCK	BEL 1993	32.80	RILEY WEST	CAN 2004		1:04.68	YOSHIMI MIWA	JPN	2012
4:27.07	KELLY HIGGINS	AUS 2010	32.85	LINDA LUND	DEN 2009		1:04.77	HITOMI NOSE	JPN	2014
800	M. FREE		100	M. BRST			1:04.77	NADINE ROLLAND	CAN	2004
8:51.18	SHEILA TAORMINA	USA 1996	1:06.83	PETRA CHOCOVA	CZE 2014		200	M. I.M.		
8:57.39	HITOMI MATSUDA	JPN 2006	1:09.38	GEORGINA HEYN	GBR 2011		2:17.17	HITOMI MATSUDA	JPN	2006
8:57.67	SUSANNE KELLER	SUI 2009	1:09.80	LINDA LUND	DEN 2009		2:17.35	ERIKO KATO	JPN	2009
9:00.84	PAULA WOOD	GBR 2007	1:10.04	MEGAN JENDRICK	USA 2012		2:17.54	ANNA MARKOVA	RUS	2014
9:07.19	S. PALMER-WHITE	AUS 1991	1:10.17	KATIE HENDERSON	GBR 2009		2:19.48	CELINE BAILLOD	SUI	2007
9:07.78	ANNA MARKOVA	RUS 2014	1:10.55	HITOMI MATSUDA	JPN 2005		2:19.54	VERONICA BALSANO	BRA	2014
9:08.09	MARIE ATKINSON	GBR 2001	1:10.65	NICOLE HEIDEMANN	GER 2011		2:21.70	MARION BLANCHARD	FRA	2011
9:11.88	LAURA MCCLEMONT	CAN 2011	1:10.68	JULIA VENDEVILLE	FRA 2009		2:21.79	WENKE HANSEN	USA	1998
9:12.01	MELODY REMNANT	AUS 2011	1:10.71	MANUELA NACKEL	GER 1998		2:21.82	FANNY LILLIESTROM	SWE	2014
9:12.32	LYNN MARSHALL	CAN 1991	1:11.00	CELINE BAILLOD	SUI 2007		2:22.00	KANA OHASHI	JPN	2007
1500	M. FREE		200	M. BRST			2:22.53	NATALIE EFFEMEY	GBR	2010
16:36.07	SHEILA TAORMINA	USA 1996	2:29.80	MEGAN JENDRICK	USA 2012		400	M. I.M.		
16:47.66	SUSANNE KELLER	SUI 2009	2:30.29	KATIE HENDERSON	GBR 2009		4:52.13	HITOMI MATSUDA	JPN	2006
17:00.63	HITOMI MATSUDA	JPN 2006	2:31.18	HITOMI MATSUDA	JPN 2006		4:52.81	ERIKO KATO	JPN	2009
17:20.28	MELODY REMNANT	AUS 2011	2:31.44	GEORGINA HEYN	GBR 2011		4:55.85	KANA OHASHI	JPN	2006
17:24.96	PAULA WOOD	GBR 2007	2:32.73	RILEY WEST	CAN 2004		4:56.01	CELINE BAILLOD	SUI	2008
17:25.08	KATIE KASTES	USA 2014	2:33.67	NICOLE HEIDEMANN	GER 2011		4:56.98	ALESSANDRA CORTES	BRA	1999
17:29.81	CHANTAL DUCK	BEL 1993	2:35.66	ANDREA PACKARD	USA 2001		4:58.14	VERONICA BALSANO	BRA	2014



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4:58.92	LOUISE STEVENSON	AUS	2009	17:13.38	HITOMI MATSUDA	JPN	2007	2:33.57	N.VINOKURENKOVA	RUS	2014
4:59.66	ANNA MARKOVA	RUS	2014	17:21.99	LYNN MARSHALL	CAN	1992	2:35.60	ULRIKE GERNER	GER	2013
5:01.26	HELEN SLATTER	GBR	1997	17:23.60	KAREN BURTON	USA	1994	2:35.72	KATIE HENDERSON	GBR	2011
5:01.69	KATIE HENDERSON	GBR	2009	17:25.33	BROOKE BENNETT	USA	2011	2:36.13	GEORGINA HEYN	GBR	2014
				17:33.66	KELLY HIGGINS	AUS	2011	2:36.18	NICOLE HEIDEMANN	GER	2012
				17:44.19	ALISON ZAMANIAN	USA	2004	2:37.34	A.JANITZKI	GER	2010
				17:46.97	JACQUI ROBINSON	AUS	2005	2:37.60	MARIONA COSTA	ESP	2010
				17:48.12	CYNTHIA LEWIS	USA	2009	2:37.84	CYNTHIA LEWIS	USA	2008

WOMEN 30-34											

50	M. FREE			50	M. BACK			50	M. FLY		
25.17	S.KNYAGINIA	RUS	2014	27.43	MAI NAKAMURA	JPN	2009	26.79	MARTINA MORAVCOVA	USA	2006
25.57	SUMIKA KOMATSU	JPN	2009	27.61	NORIKO INADA	USA	2009	27.08	S.KNYAGINIA	RUS	2014
25.64	METTE JACOBSEN	DEN	2006	28.99	METTE JACOBSEN	DEN	2006	27.80	IRINA SHLEMOVA	RUS	2014
25.66	TATIANA BARBOSA	BRA	2008	29.28	ALENA NYVITOVA	CZE	2013	27.81	METTE JACOBSEN	DEN	2006
25.69	ERIKA ERNDL	USA	2012	29.44	NADINE ROLLAND	CAN	2005	27.89	NORIKO INADA	USA	2011
25.77	HANNAH CALDAS	USA	2011	29.53	KANA YAMAGUCHI	JPN	2012	27.97	NADINE ROLLAND	CAN	2008
25.83	HITOMI MATSUDA	JPN	2010	29.58	KANA OHASHI	JPN	2009	28.05	KATRINA RADKE	USA	2004
25.84	EIDER FUENTES	ESP	2014	29.80	KATY SEXTON	GBR	2014	28.16	HITOMI MATSUDA	JPN	2010
25.98	DIANE BUI DUJET	FRA	2013	30.03	KATIE BIRCHALL	GBR	2012	28.19	KATY SEXTON	GBR	2014
25.98	KATRINA RADKE	USA	2004	30.08	NAHOMI SHIRATA	JPN	2006	28.19	NICOLE HEIDEMANN	GER	2013
100	M. FREE			100	M. BACK			100	M. FLY		
54.75	ERIKA ERNDL	USA	2012	59.53	NORIKO INADA	USA	2009	59.11	MARTINA MORAVCOVA	USA	2006
55.11	ALENA POPCHANKA	FRA	2009	1:00.90	KANA YAMAGUCHI	JPN	2010	1:00.11	METTE JACOBSEN	DEN	2006
55.59	TATIANA BARBOSA	BRA	2008	1:01.39	KANA OHASHI	JPN	2009	1:00.34	ERIKA ERNDL	USA	2012
56.32	HANNAH CALDAS	USA	2011	1:02.88	METTE JACOBSEN	DEN	2006	1:00.35	HITOMI MATSUDA	JPN	2008
56.41	METTE JACOBSEN	DEN	2006	1:03.36	K.PIPES-NEILSEN	USA	1996	1:01.19	CLAUDIA BECK	GER	2011
56.48	PASCALE VERBAUWEN	BEL	1993	1:03.81	KELLY HARRIGAN	USA	2014	1:02.39	NADINE ROLLAND	CAN	2005
56.49	HITOMI MATSUDA	JPN	2010	1:04.03	J HUDGELL	NZL	1986	1:02.65	BERIT PUGGAARD	DEN	2004
57.33	JANET MAYVILLE	CAN	2006	1:04.16	D.GRANER-GALLAS	USA	1996	1:02.70	WENKE HANSEN	USA	2000
57.35	S.NEILSON-BELL	USA	1988	1:04.30	CAMILLA JOHANSSON	SWE	2004	1:03.04	ANJA BEHA	GER	2005
57.46	KATRINA RADKE	USA	2003	1:04.45	FLORENCE RIERA	FRA	2012	1:03.12	PAULINE GOUWENS	NED	2014
200	M. FREE			200	M. BACK			200	M. FLY		
2:02.60	HITOMI MATSUDA	JPN	2010	2:11.86	KANA YAMAGUCHI	JPN	2012	2:13.09	HITOMI MATSUDA	JPN	2008
2:03.91	CAROLINE SAXBY	GBR	2013	2:12.40	KANA OHASHI	JPN	2009	2:19.34	LAURA BIANZANI	ITA	2004
2:04.64	K PIPES-NEILSEN	USA	1996	2:12.47	L.OBERSTAR-BROWN	USA	2008	2:19.34	KATRINA RADKE	USA	2003
2:04.98	LYNN MARSHALL	CAN	1991	2:13.51	K.PIPES-NEILSEN	USA	1996	2:19.64	K PIPES-NEILSEN	USA	1996
2:05.94	BARBARA KEHBEIN	GER	2000	2:18.19	JOANNA CORBEN	GBR	2002	2:20.41	L. CARVALHO	AUS	2011
2:06.24	J.RADECKE-NOBLE	USA	2014	2:19.60	D.GRANER-GALLAS	USA	1996	2:21.21	FLORENCE CIOTTI	ITA	2006
2:06.33	BROOKE BENNETT	USA	2012	2:19.66	JO SWATTON	GBR	2000	2:23.00	ANTJE AUHL	GER	2009
2:06.39	KELLY HIGGINS	AUS	2011	2:21.41	VALERIE HADD	CAN	2009	2:23.60	LUCY LLOYD-ROACH	GBR	2014
2:06.39	LAUREN THIES	USA	2010	2:21.80	YOSHIMI HAMADA	JPN	2010	2:24.17	KATE VEALE	GBR	2000
2:06.55	KATJA TROSIEN	GER	2008	2:21.96	ORIANA BURGIO	ITA	2013	2:24.52	MELISSA VARLAS	USA	2005
400	M. FREE			50	M. BRST			100	M. I.M.		
4:17.82	DAWN HECKMAN	USA	2011	31.12	BRITTA STEVENS	GER	2003	1:02.07	MARTINA MORAVCOVA	USA	2006
4:18.86	HITOMI MATSUDA	JPN	2010	31.71	HITOMI MATSUDA	JPN	2010	1:02.52	ERIKA ERNDL	USA	2012
4:20.26	BROOKE BENNETT	USA	2012	31.74	NICOLE HEIDEMANN	GER	2013	1:02.55	HITOMI MATSUDA	JPN	2010
4:21.80	CAROLINE SAXBY	GBR	2013	32.13	N.VINOKURENKOVA	RUS	2013	1:04.30	ROSER VIVES	ESP	2014
4:22.70	K PIPES-NEILSEN	USA	1996	32.17	HANNAH CALDAS	USA	2011	1:04.44	NADINE ROLLAND	CAN	2005
4:22.75	YWETTA HLAVCOVA	CZE	2006	32.72	YUKO SAKAGUCHI	JPN	2010	1:04.68	N.VINOKURENKOVA	RUS	2013
4:22.77	ERIKA HANSEN	USA	2003	32.82	WENKE HANSEN	USA	2000	1:04.75	KATY SEXTON	GBR	2014
4:25.56	KIRSTEN CAMERON	NZL	2007	32.85	GEORGINA HEYN	GBR	2014	1:04.82	NORIKO INADA	USA	2011
4:26.43	KELLY HIGGINS	AUS	2011	32.95	MARIONA COSTA	ESP	2010	1:04.96	WENKE HANSEN	USA	1999
4:26.91	LYNN MARSHALL	CAN	1991	33.13	SUKI BROWNSDON	GBR	1995	1:05.04	HANNAH CALDAS	USA	2011
800	M. FREE			100	M. BRST			200	M. I.M.		
8:38.58	DAWN HECKMAN	USA	2011	1:06.98	HITOMI MATSUDA	JPN	2010	2:13.41	HITOMI MATSUDA	JPN	2009
8:53.61	BROOKE BENNETT	USA	2012	1:09.58	N.VINOKURENKOVA	RUS	2013	2:17.01	N.VINOKURENKOVA	RUS	2014
8:54.86	HITOMI MATSUDA	JPN	2010	1:10.00	WENKE HANSEN	USA	2000	2:18.79	K.PIPES-NEILSEN	USA	1996
9:01.21	KIRSTEN CAMERON	NZL	2007	1:10.84	NICOLE HEIDEMANN	GER	2013	2:18.89	WENKE HANSEN	USA	2000
9:06.49	ERIKA HANSEN	USA	2003	1:11.49	MARIONA COSTA	ESP	2010	2:19.07	KANA YAMAGUCHI	JPN	2010
9:08.32	LYNN MARSHALL	CAN	1993	1:11.74	YUKO SAKAGUCHI	JPN	2010	2:22.66	CYNTHIA LEWIS	USA	2009
9:08.34	K.PIPES-NEILSEN	USA	1996	1:11.81	SUKI BROWNSDON	GBR	1995	2:22.68	LAUREN THIES	USA	2010
9:14.03	ASA NEIJ	SWE	2004	1:12.05	SUSANNE HOCK	GER	2014	2:22.72	KATRINA RADKE	USA	2003
9:16.65	KELLY HIGGINS	AUS	2011	1:12.05	CYNTHIA LEWIS	USA	2009	2:22.73	KANA OHASHI	JPN	2009
9:17.55	BETH KNIGHT	USA	1990	1:12.61	HANNAH CALDAS	USA	2011	2:23.04	A.JANITZKI	GER	2010
1500	M. FREE			200	M. BRST			400	M. I.M.		
16:26.93	DAWN HECKMAN	USA	2011	2:26.96	HITOMI MATSUDA	JPN	2009	4:45.07	HITOMI MATSUDA	JPN	2010
17:01.56	KIRSTEN CAMERON	NZL	2007	2:30.65	WENKE HANSEN	USA	2000	4:50.66	N.VINOKURENKOVA	RUS	2014



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

4:51.33 HIDEKO HIRANAKA JPN 2004	9:21.70 VALERIA VERGANI ITA 2009	1:13.80 KAREN KEY GBR 2012
4:53.85 K PIPES-NEILSEN USA 1996	1500 M. FREE	200 M. BRST
4:55.62 KANA YAMAGUCHI JPN 2010	16:59.17 HEIDI GEORGE USA 2014	2:30.63 HITOMI MATSUDA JPN 2012
4:58.16 KANA OHASHI JPN 2009	17:07.48 KIRSTEN CAMERON NZL 2010	2:33.73 CYNTHIA LEWIS USA 2014
5:04.56 BARBARA KEHBEIN GER 2000	17:27.84 LAURIE HUG USA 2000	2:36.04 CAROLINE KRATTLI USA 2000
5:05.92 ANNE VELEZ FRA 2011	17:30.90 HITOMI MATSUDA JPN 2014	2:36.84 YUKO MORITA JPN 2012
5:06.05 SUKI BROWNSDON GBR 1997	17:35.69 PENNY BOND AUS 1997	2:39.04 ANNA-KARIN LUNDIN SWE 2011
5:07.17 CYNTHIA LEWIS USA 2009	17:36.24 K PIPES-NEILSEN USA 1999	2:41.24 KAREN KEY GBR 2011
	17:36.58 KRISTINA ULVELING USA 2008	2:41.51 KATIE GLENN USA 2011
*****	17:42.37 ASA NEIJ SWE 2010	2:41.63 CAROLINA BENEYTO ESP 2014
WOMEN 35-39	17:43.10 BETH KNIGHT USA 1994	2:42.22 YUKA KAWAI JPN 2011
*****	17:46.79 VALERIA VERGANI ITA 2008	2:42.58 HELEN GORMAN GBR 2008
50 M. FREE	50 M. BACK	50 M. FLY
25.10 DARA TORRES USA 2006	28.13 NORIKO INADA USA 2013	28.28 R.CRESCENTINI ITA 2013
25.82 SANDRA KAZIKOVA CZE 2011	28.68 SHERI HART USA 2009	28.30 GABRIELA KOSTKOVA CZE 2014
26.05 M.VALKO USA 2011	29.00 GISELI PEREIRA BRA 2009	28.37 GISELI PEREIRA BRA 2009
26.13 S.NEILSON-BELL USA 1995	29.34 ZOE CRAY GBR 2009	28.58 HITOMI MATSUDA JPN 2013
26.27 NORIKO INADA USA 2014	29.84 KANA OHASHI JPN 2013	28.58 SHERI HART USA 2009
26.33 ZOE CRAY GBR 2010	29.91 CINDY MABEE CAN 2008	28.60 YOKO YAMAGUCHI JPN 2009
26.36 HITOMI MATSUDA JPN 2012	30.40 NAHOMI SHIRATA JPN 2011	28.61 YAYOI SAKAMOTO JPN 2013
26.37 R.CRESCENTINI ITA 2014	30.67 C.J-SPONSELLER SWE 2012	28.61 SANDRA KAZIKOVA CZE 2011
26.42 ERIKA BRAUN USA 2011	30.73 BERIT PUGGAARD DEN 2009	28.65 ZOE CRAY GBR 2009
26.43 OLESYA BOUROVA ITA 2014	30.73 K PIPES-NEILSEN USA 1999	28.68 TRACIE MOLL USA 2001
100 M. FREE	100 M. BACK	100 M. FLY
54.95 DARA TORRES USA 2006	1:00.60 NORIKO INADA USA 2013	1:01.88 HITOMI MATSUDA JPN 2014
57.48 ZOE CRAY GBR 2010	1:02.36 SHERI HART USA 2009	1:03.07 DEBBIE YOUNGER CAN 2005
57.60 HITOMI MATSUDA JPN 2014	1:02.81 KANA OHASHI JPN 2013	1:03.29 K PIPES-NEILSEN USA 1997
57.65 K PIPES-NEILSEN USA 2000	1:03.11 GISELI PEREIRA BRA 2009	1:03.32 MABI TSUKIOKA JPN 2014
57.79 KARIN SEICK GER 1996	1:03.38 ZOE CRAY GBR 2009	1:03.76 JUNKO ONISHI JPN 2012
57.94 R.CRESCENTINI ITA 2014	1:03.56 K PIPES-NEILSEN USA 1997	1:03.96 SOPHIA SKOU DEN 2011
58.09 SHERI HART USA 2008	1:04.61 CINDY MABEE CAN 2008	1:04.01 KYOKO YAMADA JPN 2009
58.13 ERIKA BRAUN USA 2011	1:05.03 C.J-SPONSELLER SWE 2011	1:04.09 MELANIA BUSSIÈRE CAN 2008
58.44 ERICKA RICHARDS USA 2014	1:05.79 NAHOMI SHIRATA JPN 2011	1:04.18 R.CRESCENTINI ITA 2013
58.57 MANUELA SCHUBERT GER 2006	1:05.93 KARIN SEICK GER 1996	1:04.33 TRACIE MOLL USA 2001
200 M. FREE	200 M. BACK	200 M. FLY
2:03.12 HITOMI MATSUDA JPN 2012	2:13.37 KANA OHASHI JPN 2013	2:16.67 HITOMI MATSUDA JPN 2012
2:03.56 K PIPES-NEILSEN USA 1997	2:14.10 K PIPES-NEILSEN USA 1997	2:18.41 K PIPES-NEILSEN USA 1997
2:05.70 KIRSTEN CAMERON NZL 2010	2:14.49 GISELI PEREIRA BRA 2009	2:21.18 KYOKO YAMADA JPN 2010
2:06.18 LAUREEN WELTING USA 2000	2:17.61 C.J-SPONSELLER SWE 2012	2:21.76 DEBBIE YOUNGER CAN 2005
2:06.86 JILL HERNANDEZ USA 1999	2:19.82 JOANNA CORBEN GBR 2006	2:22.52 ILDIKO SZEKELY USA 2014
2:06.96 D GRANER GALLAS USA 1999	2:22.03 HITOMI MATSUDA JPN 2012	2:24.80 KATE VEALE GBR 2002
2:06.99 VALERIA VERGANI ITA 2006	2:22.08 CINDY MABEE CAN 2008	2:25.06 JILL HERNANDEZ USA 1997
2:07.15 CINDY BERTELINK CAN 2013	2:22.82 DAPHNE FUCHS GER 1998	2:25.23 L. CARVALHO AUS 2013
2:07.36 MELANIA BUSSIÈRE CAN 2008	2:23.23 ASA NEIJ SWE 2010	2:25.52 NADINE DAY USA 2006
2:07.49 CYNTHIA LEWIS USA 2014	2:23.86 SILVIA PAROCCHI ITA 2002	2:25.81 ALISON ZAMANIAN USA 2009
400 M. FREE	50 M. BRST	100 M. I.M.
4:22.56 K PIPES-NEILSEN USA 1999	31.87 HITOMI MATSUDA JPN 2012	1:03.17 HITOMI MATSUDA JPN 2012
4:24.56 LAUREEN WELTING USA 2000	32.13 LINLEY FRAME AUS 2010	1:04.61 SHERI HART USA 2009
4:25.52 CINDY BERTELINK CAN 2013	32.35 R.CRESCENTINI ITA 2012	1:05.40 K PIPES-NEILSEN USA 2000
4:26.00 HITOMI MATSUDA JPN 2012	32.89 ANNA-KARIN LUNDIN SWE 2011	1:05.53 ZOE CRAY GBR 2009
4:26.57 JILL HERNANDEZ USA 1999	32.93 KATIE GLENN USA 2014	1:06.10 R.CRESCENTINI ITA 2011
4:27.62 VALERIA VERGANI ITA 2006	33.03 CAROLINE KRATTLI USA 2000	1:06.34 CYNTHIA LEWIS USA 2012
4:28.14 CYNTHIA LEWIS USA 2014	33.06 CYNTHIA LEWIS USA 2014	1:06.43 KANA OHASHI JPN 2013
4:29.09 PENNY BOND AUS 1999	33.14 KELLY LEGASPI USA 2009	1:06.50 SILVIA PAROCCHI ITA 2005
4:29.30 KIRSTEN CAMERON NZL 2010	33.89 DAGMAR HILBIG GER 1993	1:06.76 RAAKEL LUOTO FIN 2014
4:29.71 ASA NEIJ SWE 2008	33.91 P.BRULHART N'DULA SUI 2003	1:06.95 ERICKA RICHARDS USA 2014
800 M. FREE	100 M. BRST	200 M. I.M.
8:57.30 KIRSTEN CAMERON NZL 2010	1:09.20 HITOMI MATSUDA JPN 2012	2:17.69 HITOMI MATSUDA JPN 2012
9:02.52 HITOMI MATSUDA JPN 2012	1:09.41 CYNTHIA LEWIS USA 2014	2:19.08 K PIPES-NEILSEN USA 2000
9:12.97 ALISON ZAMANIAN USA 2006	1:10.65 LINLEY FRAME AUS 2010	2:22.19 CYNTHIA LEWIS USA 2014
9:13.05 ASA NEIJ SWE 2008	1:11.97 CAROLINE KRATTLI USA 2000	2:22.54 KANA OHASHI JPN 2013
9:14.27 LAURIE HUG USA 2000	1:12.13 ANNA-KARIN LUNDIN SWE 2012	2:23.47 DEBBIE YOUNGER CAN 2005
9:14.92 KRISTINA ULVELING USA 2008	1:12.30 R.CRESCENTINI ITA 2011	2:24.60 CINDY BERTELINK CAN 2013
9:15.40 K PIPES-NEILSEN USA 1998	1:12.51 KATIE GLENN USA 2011	2:24.67 C.J-SPONSELLER SWE 2012
9:17.93 PENNY BOND AUS 1997	1:13.08 KELLY LEGASPI USA 2009	2:24.94 NADINE DAY USA 2005
9:20.34 LAURIE DODD USA 2007	1:13.41 YUKO MORITA JPN 2011	2:25.26 KARIN SEICK GER 1996



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2:25.39	JILL HERNANDEZ	USA	1997	9:21.44	LYNN MARSHALL	CAN	2001	1:13.16	MARZENA KULIS	ITA	2007
400 M. I.M.				9:26.96	N.MUIR-COCHRANE	GBR	2004	1:13.60	ANNA HAMMAR	SWE	2012
4:52.83	K PIPES-NEILSEN	USA	1997	9:29.90	SUZANN HEIM-BOWEN	USA	1998	1:14.33	WENKE SEIDER	USA	2013
4:55.84	HITOMI MATSUDA	JPN	2012	9:30.29	LESLEIGH MAYES	AUS	2000	1:14.40	KAREN KEY	GBR	2014
5:01.26	KANA OHASHI	JPN	2013	9:32.90	LAURIE HUG	USA	2008	1:14.79	MAGGIE KELLY	GBR	1998
5:02.22	LAUREEN WELTING	USA	2000	1500 M. FREE				200 M. BRST			
5:08.03	CYNTHIA LEWIS	USA	2011	17:04.16	KIRSTEN CAMERON	GBR	2013	2:32.37	S.VON DER LIPPE	USA	2008
5:09.04	CINDY BERTELINK	CAN	2013	17:35.49	ALISON ZAMANIAN	USA	2010	2:35.79	LINLEY FRAME	AUS	2011
5:09.87	NADINE DAY	USA	2006	17:36.73	VALERIA VERGANI	ITA	2013	2:36.56	HELEN GORMAN	GBR	2014
5:10.43	JILL HERNANDEZ	USA	1999	17:38.37	LYNN MARSHALL	CAN	2002	2:39.05	LISA BLACKBURN	CAN	2013
5:10.65	ANA PAULA GRILO	POR	2005	17:45.50	K PIPES-NEILSEN	USA	2003	2:39.10	CAROLINE KRATTLI	USA	2002
5:12.40	VALERIA VERGANI	ITA	2007	17:52.93	N.MUIR-COCHRANE	GBR	2004	2:41.87	H.MORRIS-EYTON	RSA	2009
				17:55.11	AMANDA PICARD	SUI	2009	2:41.88	WENKE SEIDER	USA	2013
*****				18:02.62	SUZANN HEIM-BOWEN	USA	1998	2:43.50	KAREN KEY	GBR	2014
	WOMEN 40-44			18:03.41	LAURIE HUG	USA	2008	2:43.88	MARZENA KULIS	ITA	2008
*****				18:11.24	GRITH SIGSGAARD	NED	2014	2:44.36	KELLY LEGASPI	USA	2011
50 M. FREE				50 M. BACK				50 M. FLY			
26.02	ERIKA BRAUN	USA	2014	29.84	ZOE CRAY	GBR	2014	28.13	GABRIELE BLANK	GER	2006
26.40	MARIKA JOHANSSON	SWE	2008	29.96	GISELI PEREIRA	BRA	2012	28.19	ERIKA BRAUN	USA	2013
26.66	S.NEILSON-BELL	USA	1996	30.00	CINDY MABEE	CAN	2009	28.21	SUSAN VD LIPPE	USA	2005
26.67	EDITH OTTERMANN	RSA	2007	30.02	SHERI HART	USA	2012	28.86	SILVIA PAROCCHI	ITA	2007
26.70	S. VON DER LIPPE	USA	2008	30.55	ANDREA KUTZ	GER	2013	29.06	ASTRID BENCSEK	SWE	2000
26.70	GIOVANNI MORELLI	SUI	2007	30.72	JODY SMITH	USA	2009	29.07	EDITH OTTERMANN	RSA	2009
26.75	JUNKO NAKANO	JPN	2010	30.74	KRISTIN GARY	USA	2008	29.15	WENKE SEIDER	USA	2013
26.95	BETH KNIGHT	USA	1999	30.97	K.PIPES-NEILSEN	USA	2005	29.29	YOKO YAMAGUCHI	JPN	2010
27.04	HAYLEY BETTINSON	GBR	2006	30.98	ERIKA BRAUN	USA	2014	29.45	MARIE SADLER	GBR	2000
27.05	JENNIE BUCKNELL	AUS	2009	30.99	JUNKO NAKANO	JPN	2009	29.51	K PIPES-NEILSEN	USA	2003
100 M. FREE				100 M. BACK				100 M. FLY			
57.08	ERIKA BRAUN	USA	2014	1:03.48	SHERI HART	USA	2011	1:01.70	S.VON DER LIPPE	USA	2009
57.55	S.VON DER LIPPE	USA	2008	1:04.63	CINDY MABEE	CAN	2009	1:03.31	K PIPES-NEILSEN	USA	2003
57.60	K PIPES-NEILSEN	USA	2003	1:05.43	K PIPES-NEILSEN	USA	2002	1:04.91	YOKO YAMAGUCHI	JPN	2010
58.81	JILL HERNANDEZ	USA	2000	1:05.51	KRISTIN GARY	USA	2011	1:04.93	SILVIA PAROCCHI	ITA	2006
59.14	JENNIE BUCKNELL	AUS	2010	1:05.52	GISELI PEREIRA	BRA	2012	1:04.98	WENKE SEIDER	USA	2013
59.37	ANNA HAMMAR	SWE	2012	1:05.91	JODY SMITH	USA	2009	1:05.19	BIRGIT LOHBERG	USA	2009
59.39	ZOE CRAY	GBR	2014	1:06.61	SILVIA PAROCCHI	ITA	2008	1:05.45	DANIELA DE PONTI	ITA	2006
59.43	BARBARA KEHBEIN	GER	2012	1:06.83	SYLVIE ALLERY	FRA	2012	1:05.49	BETH BAKER	USA	2001
59.44	SANDRINE ERGUY	FRA	2011	1:06.85	FALL WILLEBOORDSE	USA	2010	1:05.84	JILL HERNANDEZ	USA	2000
59.55	JENNIFER WILLIS	USA	2009	1:07.57	MONICA SORO	ITA	2012	1:05.93	JULIE GIBSON	GBR	2009
200 M. FREE				200 M. BACK				200 M. FLY			
2:05.26	K PIPES-NEILSEN	USA	2003	2:19.06	JODY SMITH	USA	2009	2:20.66	SUSAN VD LIPPE	USA	2006
2:05.55	S.VON DER LIPPE	USA	2008	2:19.09	K PIPES-NEILSEN	USA	2003	2:20.71	K PIPES-NEILSEN	USA	2002
2:06.81	JILL HERNANDEZ	USA	2000	2:21.95	JOANNA CORBEN	GBR	2012	2:25.30	JUDY BROWN	GBR	2005
2:07.64	KIRSTEN CAMERON	GBR	2014	2:22.02	CINDY MABEE	CAN	2009	2:26.07	BIRGIT LOHBERG	USA	2006
2:08.30	VALERIA VERGANI	ITA	2013	2:22.14	GISELI PEREIRA	BRA	2014	2:26.15	BETH BAKER	USA	2001
2:09.10	BIRGIT LOHBERG	USA	2009	2:22.68	KRISTIN GARY	USA	2008	2:26.31	YOKO YAMAGUCHI	JPN	2010
2:09.32	BARBARA KEHBEIN	GER	2013	2:23.22	SILVIA PAROCCHI	ITA	2006	2:26.99	NICOLA LATTY	GBR	2012
2:09.53	BETH KNIGHT	USA	1999	2:25.78	BETH BAKER	USA	2001	2:27.12	JULIE GIBSON	GBR	2009
2:10.16	JODY SMITH	USA	2009	2:26.31	HELEN WHITFORD	AUS	2011	2:27.65	ANGELA DELISSEN	GER	2008
2:10.56	AMANDA PICARD	SUI	2008	2:27.40	LAURA SMITH	USA	2008	2:28.20	BARBARA KEHBEIN	GER	2013
400 M. FREE				50 M. BRST				100 M. I.M.			
4:21.75	K PIPES-NEILSEN	USA	2003	32.20	LINLEY FRAME	AUS	2012	1:04.25	S.VON DER LIPPE	USA	2008
4:24.22	JILL HERNANDEZ	USA	2000	32.29	S.VON DER LIPPE	USA	2009	1:05.56	K PIPES-NEILSEN	USA	2003
4:24.42	KIRSTEN CAMERON	GBR	2014	33.61	LISA BLACKBURN	USA	2013	1:05.77	LISA BLACKBURN	USA	2013
4:28.58	VALERIA VERGANI	ITA	2013	33.67	CAROLINE KRATTLI	USA	2003	1:06.91	SHERI HART	USA	2011
4:28.58	AMANDA PICARD	SUI	2008	33.69	STEFANIA MONTI	ITA	2010	1:06.94	ERIKA BRAUN	USA	2013
4:32.38	ALISON ZAMANIAN	USA	2011	33.81	ANNA HAMMAR	SWE	2012	1:07.03	ZOE CRAY	GBR	2014
4:32.89	LYNN MARSHALL	CAN	2001	33.98	HELEN GORMAN	GBR	2014	1:07.04	ANNA HAMMAR	SWE	2012
4:34.33	S.VON DER LIPPE	USA	2009	34.10	S.CONDOR-FISHER	USA	2014	1:07.20	CAROLINE KRATTLI	USA	2002
4:34.83	BIRGIT LOHBERG	USA	2005	34.11	MAGGIE KELLY	GBR	2000	1:07.35	MONICA SORO	ITA	2012
4:34.83	SUZANN HEIM-BOWEN	USA	1998	34.25	ERIKA BRAUN	USA	2012	1:08.04	WENKE SEIDER	USA	2013
800 M. FREE				100 M. BRST				200 M. I.M.			
8:56.23	KIRSTEN CAMERON	GBR	2013	1:10.55	S.VON DER LIPPE	USA	2007	2:19.21	S.VON DER LIPPE	USA	2007
9:09.71	K PIPES-NEILSEN	USA	2003	1:10.58	LINLEY FRAME	AUS	2011	2:20.55	K PIPES-NEILSEN	USA	2003
9:16.07	AMANDA PICARD	SUI	2008	1:12.08	CAROLINE KRATTLI	USA	2003	2:22.51	JILL HERNANDEZ	USA	2000
9:18.17	ALISON ZAMANIAN	USA	2011	1:12.32	LISA BLACKBURN	USA	2013	2:24.22	WENKE SEIDER	USA	2013
9:19.15	VALERIA VERGANI	ITA	2012	1:12.47	HELEN GORMAN	GBR	2014	2:25.86	BIRGIT LOHBERG	USA	2006



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2:26.41	LISA BLACKBURN	USA	2012	9:21.65	LYNN MARSHALL	CAN	2006	1:11.78	MARZENA KULIS	ITA	2009
2:26.51	CAROLINE KRATTLI	USA	2003	9:25.12	SUSANNA ROSEN	SWE	2010	1:12.64	ANNA HAMMAR	SWE	2013
2:26.80	ANGELA DELISSEN	GER	2009	9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:13.30	S.VON DER LIPPE	USA	2010
2:27.05	HELEN GORMAN	GBR	2014	9:35.81	CLAUDIA KERN	GER	2009	1:13.38	CAROLINE KRATTLI	USA	2007
2:27.20	VALERIA VERGANI	ITA	2013	9:40.50	MARGEE CURRAN	USA	2007	1:13.98	WENKE SEIDER	USA	2014
400 M. I.M.				9:40.69	SUSANNE SIMPSON	USA	2008	1:15.86	MONICA CORO	ITA	2007
5:00.82	K.PIPES-NEILSEN	USA	2002	9:41.99	BARBARA GELLRICH	GER	2007	1:16.06	K.PIPES-NEILSEN	USA	2007
5:02.17	JILL HERNANDEZ	USA	2000	9:44.52	LAURIE HUG	USA	2014	1:17.16	MAGGIE KELLY	GBR	2001
5:03.49	SUSAN VD LIPPE	USA	2006	9:44.72	AMY DANTZLER	USA	2009	1:17.89	TRACEY MCFARLANE	USA	2012
5:11.10	VALERIA VERGANI	ITA	2013	1500 M. FREE				1:18.08	BARBARA KEHBEIN	GER	2014
5:13.39	BIRGIT LOHBERG	USA	2006	17:46.32	LYNN MARSHALL	CAN	2007	200 M. BRST			
5:13.86	VIBEKE SWANSON	USA	2001	17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:37.19	MARZENA KULIS	ITA	2009
5:15.87	ANA PAULA GRILO	ESP	2009	18:23.90	LAURIE HUG	USA	2011	2:38.00	S.VON DER LIPPE	USA	2010
5:16.55	HELEN WHITFORD	AUS	2009	18:34.32	NORMA CAHILL	IRL	2011	2:42.10	CAROLINE KRATTLI	USA	2007
5:18.12	LISA BLACKBURN	USA	2012	18:34.95	SUSANNA ROSEN	SWE	2009	2:44.60	H.MORRIS-EYTON	RSA	2012
5:18.30	ANGELA DELISSEN	GER	2007	18:38.83	ANDREA BLOCK	USA	2009	2:47.91	K.PIPES-NEILSEN	FRA	2009
*****				18:40.49	SUSANNE SIMPSON	USA	2008	2:48.38	JENNY WHITELEY	AUS	2003
	WOMEN 45-49			18:41.77	M.ELIAS-WILLIAMS	USA	2009	2:48.56	JUDIT HAIDU	AUT	2007
*****				18:47.03	SANDRINE MEUGNIOT	FRA	2014	2:49.50	MONICA CORO	ITA	2007
				18:47.62	JILL GELLATLY	USA	2012	2:49.55	LORRAINE WHEATLEY	GBR	2013
50 M. FREE				50 M. BACK				2:50.41	CLAUDIA KERN	GER	2009
26.37	M.FUZZATI	SUI	2013	30.25	CINDY MABEE	CAN	2014	50 M. FLY			
26.59	EDITH OTTERMANN	RSA	2011	30.58	K.PIPES-NEILSEN	USA	2007	28.72	S.VON DER LIPPE	USA	2010
26.96	MARIKA JOHANSSON	SWE	2011	30.70	SUSAN WILLIAMS	USA	2013	29.08	WENKE SEIDER	USA	2014
27.02	OLGA BORISOVA	RUS	2012	31.12	FALL WILLEBOORDSE	USA	2012	29.10	HAYLEY BETTINSON	GBR	2009
27.09	K.PIPES-NEILSEN	USA	2007	31.14	LESLIE LIVINGSTON	USA	2010	29.21	LAURIE DITOMMASO	USA	2008
27.17	HAYLEY BETTINSON	GBR	2009	31.15	ELLEN REYNOLDS	USA	2011	29.27	SUSAN WILLIAMS	USA	2013
27.23	JENNIE BUCKNELL	AUS	2011	31.24	FRANCA BOSISIO	ITA	2014	29.37	EDITH OTTERMANN	RSA	2011
27.28	FALL WILLEBOORDSE	USA	2012	31.26	SYLVIE ALLERY	FRA	2014	29.40	K.PIPES-NEILSEN	FRA	2009
27.31	SARAH MACDONALD	CAN	2005	31.43	M.FUZZATI	SUI	2014	29.69	LESLIE LIVINGSTON	USA	2009
27.46	JUNKO NAKANO	JPN	2013	31.45	BARBARA OPITZ	GER	2006	29.71	SHIZUKO HIRAISHI	JPN	2009
100 M. FREE				100 M. BACK				29.82	FRANCA BOSISIO	ITA	2014
58.43	M.FUZZATI	SUI	2014	1:04.46	K.PIPES-NEILSEN	FRA	2009	100 M. FLY			
58.61	K.PIPES-NEILSEN	USA	2007	1:04.49	CINDY MABEE	CAN	2014	1:03.47	S.VON DER LIPPE	USA	2010
59.30	ANNA HAMMAR	SWE	2013	1:05.51	ELLEN REYNOLDS	USA	2012	1:03.96	K.PIPES-NEILSEN	USA	2009
59.58	SARAH MACDONALD	CAN	2005	1:07.41	SUSAN WILLIAMS	USA	2011	1:04.38	WENKE SEIDER	USA	2014
1:00.03	JENNIE BUCKNELL	AUS	2011	1:07.86	SILVIA PAROCCHI	ITA	2013	1:06.46	BARBARA KEHBEIN	GER	2014
1:00.22	ANETTE PHILIPSSON	SWE	2012	1:07.94	FALL WILLEBOORDSE	USA	2014	1:06.69	FALL WILLEBOORDSE	USA	2011
1:00.24	FALL WILLEBOORDSE	USA	2012	1:08.49	ANNA HAMMAR	SWE	2013	1:06.73	DANIELA DE PONTI	ITA	2014
1:00.41	KARIN SEICK	GER	2007	1:08.98	M.FUZZATI	SUI	2014	1:06.75	SHIZUKO HIRAISHI	JPN	2008
1:00.62	BARBARA KEHBEIN	GER	2014	1:08.99	SYLVIE ALLERY	FRA	2014	1:06.84	SILVIA PAROCCHI	ITA	2012
1:00.62	SUSAN WAGER	USA	2010	1:09.20	STEPHANIE STONE	USA	2014	1:07.00	FRANCA BOSISIO	ITA	2014
200 M. FREE				1:09.20	VIBEKE SWANSON	USA	2006	1:07.07	JUDITH HATTLE	GBR	2005
2:05.94	K.PIPES-NEILSEN	USA	2007	200 M. BACK				200 M. FLY			
2:10.32	ELLEN REYNOLDS	USA	2012	2:18.15	K.PIPES-NEILSEN	FRA	2009	2:23.18	K.PIPES-NEILSEN	USA	2009
2:10.47	BARBARA KEHBEIN	GER	2014	2:22.00	ELLEN REYNOLDS	USA	2012	2:24.08	S.VON DER LIPPE	USA	2010
2:10.91	S HEIM-BOWEN	USA	2003	2:25.52	STEPHANIE STONE	USA	2014	2:26.31	S. PALMER-WHITE	AUS	2009
2:10.94	M.FUZZATI	SUI	2014	2:26.57	SILVIA PAROCCHI	ITA	2011	2:26.45	BARBARA KEHBEIN	GER	2014
2:11.00	LYNN MARSHALL	CAN	2006	2:28.11	LISA WARD	USA	2009	2:28.26	LYNN MARSHALL	CAN	2006
2:11.09	JENNY WHITELEY	AUS	2003	2:28.12	HELEN WHITFORD	AUS	2014	2:29.32	SUZANNE SIMPSON	USA	2005
2:12.72	REBECCA PERROTT	NZL	2009	2:31.42	LYNN MARSHALL	CAN	2006	2:30.39	FRANCA BOSISIO	ITA	2014
2:13.16	BIRGIT LOHBERG	USA	2012	2:31.71	NAOKO SHIDE	JPN	2009	2:30.44	ARLENE DELMAGE	USA	2008
2:13.30	STEPHANIE STONE	USA	2014	2:32.14	BRIGID BUNCH	USA	2009	2:32.09	SHIZUKO HIRAISHI	JPN	2010
400 M. FREE				2:32.56	VIBEKE SWANSON	USA	2006	2:32.40	BIRGIT LOHBERG	USA	2012
4:25.34	K.PIPES-NEILSEN	USA	2009	50 M. BRST				100 M. I.M.			
4:30.98	S HEIM-BOWEN	USA	2003	33.56	MARZENA KULIS	ITA	2009	1:05.61	K.PIPES-NEILSEN	FRA	2009
4:33.09	LYNN MARSHALL	CAN	2006	33.81	ANNA HAMMAR	SWE	2013	1:06.58	S.VON DER LIPPE	USA	2010
4:38.46	STEPHANIE STONE	USA	2014	33.82	S.VON DER LIPPE	USA	2010	1:06.88	ANNA HAMMAR	SWE	2013
4:38.71	SUSANNA ROSEN	SWE	2010	33.94	CAROLINE KRATTLI	USA	2007	1:08.54	ANETTE PHILIPSSON	SWE	2012
4:41.91	REBECCA PERROTT	NZL	2009	34.15	TRACEY MCFARLANE	USA	2012	1:08.59	CAROLINE KRATTLI	USA	2007
4:42.57	ELLEN REYNOLDS	USA	2011	34.36	ALISON NYE	GBR	2002	1:08.81	SARAH MACDONALD	CAN	2009
4:43.49	JENNY WHITELEY	AUS	2003	34.60	SWICZINSKY-KORDES	GER	2001	1:08.85	MARZENA KULIS	ITA	2009
4:43.60	MARGEE CURRAN	USA	2007	34.64	MAGGIE KELLY	GBR	2001	1:09.00	FALL WILLEBOORDSE	USA	2013
4:43.85	BARBARA GELLRICH	GER	2007	34.70	JUDY GARAY	CAN	2005	1:09.17	SILVIA PAROCCHI	ITA	2012
800 M. FREE				34.75	WENKE SEIDER	USA	2014	1:09.25	BARBARA KEHBEIN	GER	2014
9:11.37	K.PIPES-NEILSEN	USA	2009	100 M. BRST				200 M. I.M.			



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2:21.55	K.PIPES-NEILSEN	USA	2009	4:46.36	BARBARA GELLRICH	GER	2011	36.32	MAGGIE KELLY	GBR	2006
2:24.33	WENKE SEIDER	USA	2014	4:46.96	K.PALACE	USA	2011	36.46	CORRIN POPPS	USA	2014
2:26.26	ELLEN REYNOLDS	USA	2012	4:48.68	JEANNE CARLSEN	CAN	2009	36.47	ELKE SCHMITZ	GER	2014
2:27.02	ANNA HAMMAR	SWE	2014	4:49.23	ENEY JONES	USA	2011	36.51	KATE SORENSEN	DEN	2011
2:29.40	MARZENA KULIS	ITA	2009	800 M. FREE				100 M. BRST			
2:29.69	CAROLINE KRATTLI	USA	2007	9:23.45	LYNN MARSHALL	CAN	2011	1:15.22	MONICA CORO	ITA	2013
2:30.10	BARBARA KEHBEIN	GER	2014	9:29.62	S.HEIM-BOWEN	USA	2009	1:16.49	JENNY WHITELEY	AUS	2009
2:30.11	SILVIA PAROCCHI	ITA	2011	9:30.83	JILL HERNANDEZ	USA	2013	1:16.74	UTE HASSE	ESP	2013
2:30.44	ANETTE PHILIPSSON	SWE	2012	9:35.39	ELLEN REYNOLDS	USA	2014	1:18.13	KATE SORENSEN	DEN	2011
2:31.27	LISA WARD	USA	2009	9:45.13	BARBARA GELLRICH	GER	2012	1:19.23	CORRIN POPPS	USA	2014
400 M. I.M.				9:47.94	K.PALACE	USA	2011	1:19.45	SARAH MACDONALD	CAN	2013
5:00.29	K.PIPES-NEILSEN	FRA	2009	9:49.92	JEANNE CARLSEN	CAN	2009	1:20.22	DAGMAR HILBIG	GER	2010
5:17.29	ELLEN REYNOLDS	USA	2011	9:50.53	LAURA VAL	USA	2003	1:20.63	LOTTE KOBELGAARD	DEN	2014
5:17.54	STEPHANIE STONE	USA	2014	9:51.80	MARGE CURRAN	USA	2011	1:20.65	KIM CROUCH	USA	2013
5:19.13	LYNN MARSHALL	CAN	2006	10:00.50	DYMPHNA MORRIS	IRL	2013	1:20.72	JENNY COOK	USA	2008
5:19.58	VIBEKE SWANSON	USA	2006	1500 M. FREE				200 M. BRST			
5:22.81	FRANCA BOSISIO	ITA	2014	17:49.23	LYNN MARSHALL	CAN	2013	2:48.69	JENNY WHITELEY	AUS	2009
5:27.12	LISA WARD	USA	2009	17:51.33	S.HEIM-BOWEN	USA	2009	2:49.05	MONICA CORO	ITA	2013
5:27.52	ANGELA DELISSEN	GER	2012	18:38.58	JEANNE CARLSEN	CAN	2009	2:52.03	KATE SORENSEN	DEN	2011
5:27.76	ANETTE PHILIPSSON	SWE	2013	18:52.34	ENEY JONES	USA	2011	2:52.57	CORRIN POPPS	USA	2014
5:28.73	REBECCA PERROTT	NZL	2009	18:56.50	K.PALACE	USA	2011	2:52.59	KIM CROUCH	USA	2013
				18:59.17	LAURA VAL	USA	2002	2:52.84	CYNTHIA PINCOTT	CAN	2012
*****				19:04.24	JENNY WHITELEY	AUS	2008	2:55.96	UTE HASSE	ESP	2013
WOMEN 50-54				19:10.69	KATHERINE BRANCH	USA	2007	2:57.11	JENNY COOK	USA	2008
*****				19:12.30	CECILLA STANFORD	RSA	2011	2:57.15	JUDITH HATTLE	GBR	2010
50 M. FREE				19:13.68	BARBARA GELLRICH	GER	2013	2:57.30	COKIE LEPINSKI	USA	2009
27.67	MARIA NORBERG	SWE	2014	50 M. BACK				50 M. FLY			
27.67	SUE WALSH	USA	2014	30.58	LESLIE LIVINGSTON	USA	2011	29.25	LESLIE LIVINGSTON	USA	2013
27.81	SARAH MACDONALD	CAN	2011	32.13	K.ANDRUS-HUGHES	USA	2008	30.38	ANGELA ZINGLER	GER	2005
27.91	LESLIE LIVINGSTON	USA	2012	32.35	K PIPES-NEILSEN	FRA	2012	30.54	MARIA NORBERG	SWE	2014
28.00	HAYLEY BETTINSON	GBR	2013	32.55	J SWAGERTY-HILL	USA	2002	30.56	MARY ESTABROOK	USA	2011
28.00	JENNY WHITELEY	AUS	2009	32.65	AROMA MARTORELL	BRA	2009	30.60	TRACI GRANGER	USA	2008
28.11	S.HEIM-BOWEN	USA	2009	32.72	LAURA VAL	USA	2005	30.62	HARUMI SUGINUMA	JPN	2009
28.24	LIZ HOBBS	CAN	2011	33.12	ANN KOURI	CAN	2011	30.72	HAYLEY BETTINSON	GBR	2013
28.43	G.TALOCHINO	FRA	2006	33.21	UTE ROMBERG	GER	2011	30.85	SARAH MACDONALD	CAN	2010
28.44	CAROLYN VOORHEES	USA	2012	33.23	JULIE HOYLE	GBR	2014	30.88	JENNY WHITELEY	AUS	2008
100 M. FREE				33.27	SARAH MACDONALD	CAN	2011	31.08	LISA DAHL	USA	2011
1:01.41	ELLEN REYNOLDS	USA	2014	100 M. BACK				100 M. FLY			
1:01.49	LAURA VAL	USA	2001	1:05.89	ELLEN REYNOLDS	USA	2014	1:06.92	K PIPES-NEILSEN	FRA	2012
1:01.64	JENNY WHITELEY	AUS	2009	1:08.12	K PIPES-NEILSEN	FRA	2012	1:08.50	JUDITH HATTLE	GBR	2010
1:01.81	SARAH MACDONALD	CAN	2011	1:08.85	LESLIE LIVINGSTON	USA	2012	1:08.62	ANDREA BLOCK	USA	2011
1:01.90	JILL HERNANDEZ	USA	2013	1:10.21	LYNN MARSHALL	CAN	2011	1:08.91	JILL HERNANDEZ	USA	2013
1:01.90	K PIPES-NEILSEN	FRA	2012	1:10.35	K.ANDRUS-HUGHES	USA	2007	1:09.05	LAURA VAL	USA	2001
1:01.96	BARBARA GELLRICH	GER	2011	1:10.51	L.PELT-DILLER	USA	2008	1:09.38	LESLIE LIVINGSTON	USA	2012
1:02.29	S.HEIM-BOWEN	USA	2009	1:11.33	ANN KOURI	CAN	2011	1:09.54	LYNN MARSHALL	CAN	2012
1:02.60	MARIA NORBERG	SWE	2014	1:12.04	LISA DIXON-WELLS	CAN	2011	1:09.94	JENNY WHITELEY	AUS	2008
1:02.75	LYNN MARSHALL	CAN	2011	1:12.05	JULIE HOYLE	GBR	2014	1:09.94	TRACI GRANGER	USA	2008
200 M. FREE				1:12.10	C.H-LINDBORG	SWE	2014	1:10.21	SHIZUKO HIRAISHI	JPN	2012
2:10.72	S.HEIM-BOWEN	USA	2009	200 M. BACK				200 M. FLY			
2:12.80	JILL HERNANDEZ	USA	2013	2:22.37	ELLEN REYNOLDS	USA	2014	2:28.08	LYNN MARSHALL	CAN	2011
2:13.21	LYNN MARSHALL	CAN	2011	2:25.94	LYNN MARSHALL	CAN	2011	2:32.29	KARLYN PIPES	USA	2012
2:13.58	K.PIPES-NEILSEN	USA	2012	2:26.85	K PIPES-NEILSEN	FRA	2012	2:33.93	ANDREA BLOCK	USA	2011
2:14.49	JENNY WHITELEY	AUS	2009	2:32.48	NAOKO SHIDE	JPN	2010	2:34.79	JUDITH HATTLE	GBR	2010
2:14.66	LAURA VAL	USA	2003	2:34.24	AHELEE SUE OSBORN	USA	2009	2:35.36	JILL HERNANDEZ	USA	2013
2:14.88	BARBARA GELLRICH	GER	2011	2:34.69	L.PELT-DILLER	USA	2008	2:35.66	S. PALMER-WHITE	AUS	2014
2:16.12	ENEY JONES	USA	2011	2:35.02	BRIGID BUNCH	USA	2013	2:38.19	JENNY WHITELEY	AUS	2009
2:17.18	S.REIBEL-OBERLE	GER	2014	2:35.02	BONNIE BILICH	USA	2010	2:38.43	S.HEIM-BOWEN	USA	2009
2:17.99	K.PALACE	USA	2011	2:35.86	CATHY SHEEHAN	CAN	2010	2:38.73	JENNY COOK	USA	2008
2:17.99	JENNY COOK	USA	2008	2:37.44	UTE ROMBERG	GER	2011	2:38.99	RIEKO SHOJI	JPN	2010
400 M. FREE				50 M. BRST				100 M. I.M.			
4:34.81	LYNN MARSHALL	CAN	2011	33.96	MONICA CORO	ITA	2013	1:08.28	K PIPES-NEILSEN	FRA	2012
4:35.54	S.HEIM-BOWEN	USA	2009	35.08	JENNY WHITELEY	AUS	2009	1:09.22	JENNY WHITELEY	AUS	2009
4:35.80	JILL HERNANDEZ	USA	2013	35.12	UTE HASSE	ESP	2013	1:09.97	SARAH MACDONALD	CAN	2011
4:43.61	JENNY WHITELEY	AUS	2008	35.15	JUDY GARAY	CAN	2014	1:11.55	SHIZUKO HIRAISHI	JPN	2012
4:45.72	LAURA VAL	USA	2003	35.88	SARAH MACDONALD	CAN	2011	1:11.56	CECILLA STANFORD	RSA	2011
4:46.11	ELLEN REYNOLDS	USA	2014	36.29	TOSHIKO ITAGAKI	JPN	2014	1:11.67	AHELEE SUE OSBORN	USA	2009



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1:11.69	CORRIN POPPS	USA	2014	4:53.27	N.STEADMAN-MARTIN	USA	2009	37.56	DAGMAR FRESE	GER	2012
1:11.99	LESLIE LIVINGSTON	USA	2011	5:00.58	JEANNE CARLSEN	CAN	2013	37.58	ALISON NYE	GBR	2012
1:12.27	LISA DIXON-WELLS	CAN	2011	5:01.50	MARGUERITE MEYER	USA	2014	38.30	CHRIS WENZEL	USA	2014
1:12.33	MARIA NORBERG	SWE	2014	5:01.53	BARBARA DUNBAR	USA	2004	38.32	JAN WICKS	AUS	2001
200 M. I.M.				5:01.68	STACEY WARMUTH	USA	2011	38.33	REGULA STEIGER	SUI	2009
2:28.64	ELLEN REYNOLDS	USA	2014	5:03.63	SUSANNA SORDELLI	ITA	2013	38.53	MARGARET KELLY	GBR	2012
2:30.63	KARLYN PIPES	USA	2012	5:04.60	JACKI HIRSTY	USA	2008	38.62	BETH ESTEL	USA	2012
2:30.98	JENNY WHITELEY	AUS	2009	5:05.41	KATHERINE BRANCH	USA	2012	38.63	MONIKA SENFTLEBEN	GER	1998
2:31.96	JILL HERNANDEZ	USA	2013	5:05.56	CHRISTIE CIRAULO	USA	2008	38.65	LOLI BALBUENA	ESP	2014
2:33.09	LYNN MARSHALL	CAN	2011	800 M. FREE				100 M. BRST			
2:34.43	CECILLA STANFORD	RSA	2011	9:51.35	LAURA VAL	USA	2009	1:18.45	JENNY WHITELEY	AUS	2013
2:35.35	BARBARA GELLRICH	GER	2012	10:12.79	JEANNE CARLSEN	CAN	2013	1:23.22	CHRIS WENZEL	USA	2014
2:35.86	JENNY COOK	USA	2008	10:17.86	BARBARA DUNBAR	USA	2004	1:23.69	DAGMAR FRESE	GER	2011
2:36.45	CORRIN POPPS	USA	2014	10:19.39	KATHERINE BRANCH	USA	2012	1:24.43	JENNY COOK	USA	2013
2:36.59	NAOKO SHIDE	JPN	2010	10:19.65	MARGUERITE MEYER	USA	2014	1:24.47	COLETTE CRABBE	BEL	2012
400 M. I.M.				10:20.12	CHRISTIE CIRAULO	USA	2008	1:24.83	RICHIKO SEKISHITA	JPN	2014
5:10.96	ELLEN REYNOLDS	USA	2014	10:20.65	N.STEADMAN-MARTIN	USA	2009	1:25.08	AVILA RHODES	CAN	2013
5:14.65	LYNN MARSHALL	CAN	2011	10:26.13	LAURA VACA	MEX	2009	1:25.17	KAREN MAREB	USA	2013
5:31.20	NAOKO SHIDE	JPN	2010	10:28.00	C.TARANTINO	ITA	2011	1:25.18	REGULA STEIGER	SUI	2009
5:32.60	JENNY WHITELEY	AUS	2008	10:28.88	JENNY WHITELEY	AUS	2013	1:25.58	BETH ESTEL	USA	2012
5:34.22	RIEKO SHOJI	JPN	2010	1500 M. FREE				200 M. BRST			
5:35.42	JUDITH HATTLE	GBR	2012	18:43.73	LAURA VAL	USA	2010	2:55.48	JENNY WHITELEY	AUS	2013
5:35.90	BARBARA GELLRICH	GER	2012	19:24.70	BARBARA DUNBAR	USA	2004	2:59.34	COLETTE CRABBE	BEL	2012
5:36.28	LAURA VAL	USA	2002	19:27.93	JEANNE CARLSEN	CAN	2013	3:02.33	AMANDA HEATH	GBR	2013
5:36.89	CECILLA STANFORD	RSA	2011	19:34.48	N.STEADMAN-MARTIN	USA	2009	3:02.37	CATHERINE KOHN	USA	2009
5:37.20	JEANNE CARLSEN	CAN	2009	19:44.94	JENNY WHITELEY	AUS	2013	3:03.02	KEIKO UTSUMI	JPN	2011
*****				19:45.99	CHRISTIE CIRAULO	USA	2008	3:03.89	NANCY MARCHAND	FRA	2013
WOMEN 55-59				19:47.98	S.LOFTUS-CHARLEY	USA	2010	3:05.26	ULRIKE URBANIAK	GER	2008
*****				19:55.78	C.TARANTINO	ITA	2011	3:05.87	FRANCES PENWARDEN	GBR	2010
50 M. FREE				20:06.45	MARY SWEAT	USA	2013	3:06.14	AVILA RHODES	CAN	2014
28.49	LAURA VAL	USA	2009	20:15.70	MARGUERITE MEYER	USA	2014	3:06.41	JENNIFER MERRITT	GBR	2006
28.58	JACKI HIRSTY	USA	2009	50 M. BACK				50 M. FLY			
28.64	CHRIS WENZEL	USA	2014	32.62	LAURA VAL	USA	2009	31.13	TRACI GRANGER	USA	2013
28.77	JENNY WHITELEY	AUS	2013	33.56	K.ANDRUS-HUGHES	USA	2012	31.13	LAURA VAL	USA	2009
29.05	PAT SARGEANT	USA	2008	34.25	JENNY WHITELEY	AUS	2013	31.72	HARUMI SUGINUMA	JPN	2012
29.16	REGULA STEIGER	SUI	2008	34.76	BENEDICTE DUPREZ	FRA	2007	31.92	JUDY WILSON	GBR	2000
29.32	K.ANDRUS-HUGHES	USA	2012	34.89	AROMA MARTORELL	BRA	2013	32.12	JENNY WHITELEY	AUS	2013
29.46	LYNN MORRISON	USA	2009	35.00	DEBORAH BARTON	GBR	2004	32.53	VERONICA HIBBEN	USA	2014
29.57	BARBARA JONES	USA	2011	35.16	KAYO MIZUI	JPN	2013	32.76	PAT SARGEANT	USA	2011
29.59	ALYSON FORDHAM	GBR	2011	35.27	LIZ COSGRAVE	IRL	2013	32.93	CHRISTIE CIRAULO	USA	2008
29.59	HEATHER CAMPBELL	NZL	2008	35.37	REBECCA JENKINSON	GBR	2012	33.15	CONNY BOER-BUYS	NED	2009
100 M. FREE				35.38	MINDY DOUGHERTY	USA	2009	33.19	GAIL AMUNDRUD	CAN	2012
1:01.33	LAURA VAL	USA	2009	100 M. BACK				100 M. FLY			
1:02.75	HEATHER CAMPBELL	NZL	2008	1:12.23	LAURA VAL	USA	2008	1:09.23	LAURA VAL	USA	2009
1:04.60	VERONICA HIBBEN	USA	2013	1:13.14	K.ANDRUS-HUGHES	USA	2014	1:11.65	TRACI GRANGER	USA	2013
1:04.77	PAT SARGEANT	USA	2008	1:15.93	STACEY WARMUTH	USA	2011	1:12.97	HARUMI SUGINUMA	JPN	2012
1:04.85	CHRIS WENZEL	USA	2014	1:16.25	BENEDICTE DUPREZ	FRA	2007	1:12.99	JUDY WILSON	GBR	2001
1:04.97	GAIL AMUNDRUD	CAN	2013	1:16.26	EVIE LYNCH	USA	2009	1:13.08	JENNY WHITELEY	AUS	2014
1:05.09	K.ANDRUS-HUGHES	USA	2012	1:16.40	GAIL AMUNDRUD	CAN	2013	1:14.68	PAT SARGEANT	USA	2008
1:05.31	JACKI HIRSTY	USA	2009	1:16.81	JENNY WHITELEY	AUS	2013	1:15.14	COLETTE CRABBE	USA	2011
1:05.49	TRACI GRANGER	USA	2014	1:16.97	MINDY DOUGHERTY	USA	2009	1:15.23	MELINDA MANN	USA	2011
1:05.84	N.STEADMAN-MARTIN	USA	2009	1:17.86	PAT SARGEANT	USA	2011	1:15.44	STACEY WARMUTH	USA	2011
200 M. FREE				1:18.13	KARIN EDELBUETTEL	GER	2014	1:15.80	CHRISTIE CIRAULO	USA	2008
2:14.45	LAURA VAL	USA	2009	200 M. BACK				200 M. FLY			
2:19.51	JENNY WHITELEY	AUS	2013	2:40.05	LAURA VAL	USA	2008	2:31.13	LAURA VAL	USA	2008
2:23.13	VERONICA HIBBEN	USA	2014	2:41.83	K.ANDRUS-HUGHES	USA	2012	2:43.13	JENNY WHITELEY	AUS	2014
2:23.28	N.STEADMAN-MARTIN	USA	2009	2:43.47	MINDY DOUGHERTY	USA	2009	2:45.95	TRACI GRANGER	USA	2014
2:23.85	GAIL AMUNDRUD	CAN	2013	2:44.55	N.STEADMAN-MARTIN	USA	2009	2:47.18	BARBARA DUNBAR	USA	2004
2:23.98	PAT SARGEANT	USA	2008	2:46.19	STACEY WARMUTH	USA	2012	2:47.63	HARUMI SUGINUMA	JPN	2013
2:24.63	STACEY WARMUTH	USA	2011	2:46.73	KAREN EINSIDLER	USA	2011	2:47.89	N.STEADMAN-MARTIN	USA	2009
2:24.67	JACKI HIRSTY	USA	2009	2:46.90	SUSANNA SORDELLI	ITA	2014	2:50.34	COLETTE CRABBE	BEL	2013
2:25.26	JEANNE CARLSEN	CAN	2013	2:47.09	BENEDICTE DUPREZ	FRA	2006	2:53.00	L.NAGOVITSYNA	RUS	2014
2:25.43	SUSANNA SORDELLI	ITA	2013	2:47.43	DIANA COETZEE	RSA	2014	2:53.92	JUDY WILSON	GBR	2001
400 M. FREE				2:48.07	JENNY WHITELEY	AUS	2013	2:54.09	MATHILDE VINK	NED	2013
4:42.97	LAURA VAL	USA	2009	50 M. BRST				100 M. I.M.			
				36.29	JENNY WHITELEY	AUS	2013	1:10.66	JENNY WHITELEY	AUS	2013



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1:12.90	LAURA VAL	USA	2009	2:35.20	MARGARETA RAINER	SWE	2009	2:58.33	MARGIT OHLSSON	SWE	2007
1:14.31	COLETTE CRABBE	BEL	2013	2:35.87	SANDERINA KRUGER	RSA	2010	2:58.62	DIANN UUSTAL	USA	2010
1:15.06	HEATHER CAMPBELL	NZL	2008	400 M. FREE				50 M. BRST			
1:15.91	K.ANDRUS-HUGHES	USA	2012	4:53.24	LAURA VAL	USA	2013	38.60	MONIKA SENFTLEBEN	GER	2002
1:16.06	JENNY COOK	USA	2014	5:17.88	S.LOFTUS-CHARLEY	USA	2011	38.97	BONNIE PRONK	CAN	2002
1:16.07	STACEY WARMUTH	USA	2011	5:20.82	CHRISTIE CIRAULO	USA	2014	39.60	DEB WALKER	USA	2011
1:16.55	JACKI HIRSTY	USA	2009	5:20.87	JOAN PFINGSGRAFF	USA	2014	39.77	JAN WICKS	AUS	2006
1:16.88	ALYSON FORDHAM	GBR	2012	5:21.86	SUSAN HAIGH	GBR	2013	40.20	SALLY SHIELDS	GBR	2014
1:17.19	CHRIS WENZEL	USA	2014	5:22.47	BARBARA DUNBAR	USA	2009	40.24	DALE BARNHARD	USA	2008
200 M. I.M.				5:23.74	ROSARIO VIVANCO	PER	2009	40.26	REGULA STEIGER	SUI	2012
2:36.98	LAURA VAL	USA	2009	5:24.30	AUDREY COOPER	GBR	2014	40.74	N.MACAIRE	FRA	2014
2:37.71	JENNY WHITELEY	AUS	2013	5:24.69	JACKI HIRSTY	USA	2012	40.76	YVONNE CATTRALL	CAN	2008
2:44.02	TRACI GRANGER	USA	2014	5:25.13	CONNY BOER-BUYS	NED	2010	40.82	JANETTE JEFFREY	AUS	2012
2:44.50	COLETTE CRABBE	BEL	2012	800 M. FREE				100 M. BRST			
2:44.99	JENNY COOK	USA	2014	10:21.68	LAURA VAL	USA	2011	1:26.43	HANNELORE ROSE	GER	2002
2:46.20	STACEY WARMUTH	USA	2012	10:39.12	S.LOFTUS-CHARLEY	USA	2011	1:26.56	BONNIE PRONK	CAN	2002
2:46.45	HEATHER CAMPBELL	NZL	2008	10:51.23	CHRISTIE CIRAULO	USA	2014	1:27.07	DEB WALKER	USA	2011
2:47.12	JEANNE CARLSEN	CAN	2013	10:58.58	BARBARA DUNBAR	USA	2009	1:28.79	NOBUKO YASUDA	JPN	2009
2:47.24	HARUMI SUGINUMA	JPN	2012	11:01.29	AUDREY COOPER	GBR	2014	1:28.97	SALLY SHIELDS	GBR	2014
2:47.90	PAT SARGEANT	USA	2008	11:09.72	SUSAN HAIGH	GBR	2012	1:28.97	ULRIKE URBANIAK	GER	2013
400 M. I.M.				11:13.35	CONNY BOER-BUYS	NED	2010	1:29.10	JENNIFER MERRITT	GBR	2012
5:39.30	LAURA VAL	USA	2009	11:15.12	JAYNE BALL	GBR	2014	1:29.34	KRISSY MACCUDY	USA	2012
5:47.01	N.STEADMAN-MARTIN	USA	2009	11:18.60	YOSHIKO OSAKI	JPN	2000	1:29.68	MONIKA SENFTLEBEN	GER	2002
5:50.58	JEANNE CARLSEN	CAN	2013	11:19.93	JUNKO SATO	JPN	2014	1:29.95	N SOYRIS MACAIRE	FRA	2012
5:51.97	COLETTE CRABBE	BEL	2013	1500 M. FREE				200 M. BRST			
5:55.84	STACEY WARMUTH	USA	2011	19:38.63	LAURA VAL	USA	2011	3:06.48	BONNIE PRONK	CAN	2002
5:58.09	S.LOFTUS-CHARLEY	USA	2010	19:59.92	S.LOFTUS-CHARLEY	USA	2011	3:07.44	HANNELORE ROSE	GER	2002
5:59.13	JENNY COOK	USA	2013	20:46.72	BARBARA DUNBAR	USA	2009	3:10.48	JANETTE JEFFREY	AUS	2012
6:00.23	SUSANNA SORDELLI	ITA	2011	20:55.80	AUDREY COOPER	GBR	2014	3:13.51	ULRIKE URBANIAK	GER	2013
6:02.50	EDIE FISHER	CAN	2012	21:29.00	SUSAN HAIGH	GBR	2013	3:13.55	DEB WALKER	USA	2011
6:02.53	PAT SARGEANT	USA	2008	21:33.34	JACKIE MARR	USA	2003	3:14.17	JENNIFER MERRITT	GBR	2013
*****				21:37.44	CONNY BOER-BUYS	NED	2010	3:15.75	KRISSY MACCUDY	USA	2012
WOMEN 60-64				21:42.59	JAYNE BALL	GBR	2014	3:16.58	FRANCES PENWARDEN	GBR	2014
*****				21:49.18	JUNKO SATO	JPN	2014	3:16.74	NICOLE BRANCHAUD	CAN	2014
50 M. FREE				21:50.48	HEIDI ERNST	USA	2013	3:17.11	AUDREY COOPER	GBR	2014
29.23	LAURA VAL	USA	2013	50 M. BACK				50 M. FLY			
29.90	ISABELLA RICCA	ITA	2012	33.01	LAURA VAL	USA	2013	31.34	CAROL BOAGEY	GBR	2013
30.01	CHARLOTTE DAVIS	USA	2010	35.78	BENEDICTE DUPREZ	FRA	2012	32.42	LAURA VAL	USA	2013
30.07	JACKI HIRSTY	USA	2013	35.89	JOAN PFINGSGRAFF	USA	2014	32.93	CHARLOTTE DAVIS	USA	2011
30.70	LYNETTE STEVENSON	AUS	2009	36.02	DIANN UUSTAL	USA	2010	33.38	JUDY WILSON	GBR	2004
30.76	CONNY BOER-BUYS	NED	2010	36.16	RACHEL BARTON	GBR	2008	34.32	CHRISTIE CIRAULO	USA	2013
30.83	REGULA STEIGER	SUI	2012	36.17	LYNETTE STEVENSON	AUS	2009	34.47	RUTH SHAPS	USA	2008
30.93	YOSHIKO KADOSAKA	JPN	2009	36.20	CECILIA MCCLOSKEY	USA	2014	34.57	CONNY BOER-BUYS	NED	2010
30.97	CATHY MERRITT	CAN	2012	36.38	SATOKO TAKEUJI	JPN	2002	34.58	DIANN UUSTAL	USA	2010
31.03	SANDERINA KRUGER	RSA	2011	36.42	MARGIT OHLSSON	SWE	2005	34.74	RACHEL BARTON	GBR	2009
100 M. FREE				36.92	MARGARET WILDING	GBR	2000	34.91	ROSE WILSON	USA	2014
1:03.48	LAURA VAL	USA	2014	100 M. BACK				100 M. FLY			
1:06.58	CHARLOTTE DAVIS	USA	2010	1:12.72	LAURA VAL	USA	2013	1:11.47	LAURA VAL	USA	2013
1:07.56	JACKI HIRSTY	USA	2013	1:16.83	JOAN PFINGSGRAFF	USA	2014	1:15.40	CHARLOTTE DAVIS	USA	2011
1:08.43	CATHY MERRITT	CAN	2012	1:18.60	BENEDICTE DUPREZ	FRA	2013	1:16.41	JUDY WILSON	GBR	2004
1:08.58	CONNY BOER-BUYS	NED	2010	1:18.69	DIANN UUSTAL	USA	2010	1:19.38	BARBARA DUNBAR	USA	2009
1:09.10	RACHEL BARTON	GBR	2009	1:18.77	CECILIA MCCLOSKEY	USA	2014	1:20.77	S.LOFTUS-CHARLEY	USA	2011
1:09.44	S.LOFTUS-CHARLEY	USA	2012	1:20.02	MARGIT OHLSSON	SWE	2006	1:21.22	BRIGITTE MERTEN	GER	2006
1:09.69	LYNETTE STEVENSON	AUS	2009	1:20.60	RACHEL BARTON	GBR	2008	1:21.87	HARRIET BERGER	GER	2004
1:09.90	SANDERINA KRUGER	RSA	2009	1:21.03	LINDA HUNT	CAN	2014	1:22.73	BEVERLY AMICK	USA	2014
1:09.92	MARGARETA RAINER	SWE	2009	1:21.06	SATOKO TAKEUJI	JPN	2003	1:23.78	YOSHIKO OSAKI	JPN	1999
200 M. FREE				1:21.74	MARGARET WILDING	GBR	2002	1:24.43	JUNKO SATO	JPN	2014
2:20.16	LAURA VAL	USA	2011	200 M. BACK				200 M. FLY			
2:30.15	JACKI HIRSTY	USA	2013	2:41.71	LAURA VAL	USA	2012	2:41.25	LAURA VAL	USA	2011
2:31.02	S.LOFTUS-CHARLEY	USA	2012	2:44.59	JOAN PFINGSGRAFF	USA	2014	3:00.31	BARBARA DUNBAR	USA	2009
2:31.69	CONNY BOER-BUYS	NED	2010	2:48.59	BENEDICTE DUPREZ	FRA	2013	3:05.20	YOSHIKO OSAKI	JPN	2000
2:32.35	CATHY MERRITT	CAN	2012	2:51.37	CECILIA MCCLOSKEY	USA	2014	3:07.04	JUDY WILSON	GBR	2004
2:32.48	ROSARIO VIVANCO	PER	2009	2:53.87	LINDA HUNT	CAN	2014	3:08.25	S.LOFTUS-CHARLEY	USA	2011
2:33.82	BARBARA DUNBAR	USA	2009	2:54.10	EVIE LYNCH	USA	2012	3:08.44	M.NEUMEISTER	GER	2013
2:34.12	SUSAN HAIGH	GBR	2013	2:56.06	BONNIE PRONK	CAN	2002	3:11.14	SUSAN HAIGH	GBR	2013
				2:57.92	MARGARET WILDING	GBR	2000	3:11.37	CHRISTIE CIRAULO	USA	2014



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3:12.00	FRANCES PENWARDEN	GBR	2014	2:42.05	YOSHIKO OSAKI	JPN	2004	3:07.80	TAKAKO NAKAMORI	JPN	2014
3:12.31	JUNKO SATO	JPN	2014	2:42.08	JACKIE MARR	USA	2008	3:08.42	CHRISTEL SCHULZ	GER	2006
100 M. I.M.				2:43.65	JEN THOMASSON	AUS	2010	3:08.61	PAM HUTCHINGS	AUS	2001
1:15.07	LAURA VAL	USA	2013	2:44.02	CHRISTEL SCHULZ	GER	2005	3:09.52	NORIKO YOSHIDA	JPN	2009
1:17.48	CHARLOTTE DAVIS	USA	2010	2:44.62	SUSIE WHITE	USA	2013	3:10.14	JULIE GUNTHERP	NZL	2012
1:19.09	BRIGITTE MERTEN	GER	2006	2:45.06	SUZANNE DILLS	USA	2010	3:11.23	JACKIE MARR	USA	2008
1:19.86	DIANN UUSTAL	USA	2010	400 M. FREE				50 M. BRST			
1:20.11	ANDRA JAUNZEME	USA	2014	5:35.53	CAROLYN BOAK	USA	2010	40.90	NOBUKO YASUDA	JPN	2010
1:20.50	CATHY MERRITT	CAN	2013	5:39.39	BARBARA DUNBAR	USA	2014	41.40	BONNIE PRONK	CAN	2009
1:21.05	BONNIE PRONK	CAN	2002	5:44.29	JACKIE MARR	USA	2008	41.53	MONIKA SENFTLEBEN	GER	2008
1:21.20	HARRIET BERGER	GER	2004	5:46.47	SUZANNE DILLS	USA	2010	42.02	DIANN UUSTAL	USA	2011
1:21.47	JANETTE JEFFREY	AUS	2010	5:46.94	YOSHIKO OSAKI	JPN	2003	42.32	BRIGITTE MERTEN	GER	2011
1:21.51	MARIE FUHRMANN	FRA	2007	5:48.14	JEN THOMASSON	AUS	2010	42.35	JOANN LEILICH	USA	2005
200 M. I.M.				5:51.17	F.WILLIAMSON	USA	2013	42.38	IMMA GIER	GER	2012
2:41.53	LAURA VAL	USA	2013	5:51.18	MARGARETA RAINER	SWE	2014	42.43	ANNEROSE TROBISCH	GER	2012
2:48.33	CHARLOTTE DAVIS	USA	2010	5:52.51	RACHEL BARTON	GBR	2013	42.46	DIANE FORD	GBR	2009
2:52.64	S.LOFTUS-CHARLEY	USA	2011	5:56.01	CHRISTIE HAYES	USA	2014	42.83	KAYAKO HIROSE	JPN	2012
2:54.07	CAROLE BATES	GBR	1998	800 M. FREE				100 M. BRST			
2:55.72	BONNIE PRONK	CAN	2002	11:24.13	JEN THOMASSON	AUS	2008	1:28.73	NOBUKO YASUDA	JPN	2010
2:55.90	JOAN PFINSGRAFF	USA	2014	11:32.00	BARBARA DUNBAR	USA	2014	1:31.87	BONNIE PRONK	CAN	2007
2:56.49	CATHY MERRITT	CAN	2014	11:40.70	JACKIE MARR	USA	2008	1:32.05	DIANE FORD	GBR	2008
2:56.50	BRIGITTE MERTEN	GER	2009	11:49.70	YOSHIKO OSAKI	JPN	2003	1:32.37	JOANN LEILICH	USA	2004
2:57.46	HARRIET BERGER	GER	2004	11:59.86	MARGARETA RAINER	SWE	2014	1:33.03	HANNELORE ROSE	GER	2007
2:57.59	ANDRA JAUNZEME	USA	2014	12:05.33	CAROLYN BOAK	USA	2013	1:33.89	LUISE KNOPFLE	GER	2004
400 M. I.M.				12:06.10	MARCIA BARRY	USA	2013	1:34.50	MASAYO AZUMA	JPN	2000
5:51.81	LAURA VAL	USA	2011	12:11.52	LINDA SHOENBERGER	USA	2012	1:34.98	TAMAE FURUYA	JPN	2012
5:57.70	CHARLOTTE DAVIS	USA	2010	12:15.14	HANNELORE ROSE	GER	2008	1:35.93	ANNEROSE TROBISCH	GER	2012
6:03.26	S.LOFTUS-CHARLEY	USA	2011	12:20.68	LAVELLE STOINOFF	USA	2002	1:36.24	SHOKO YONEZAWA	JPN	2001
6:15.26	BARBARA DUNBAR	USA	2009	1500 M. FREE				200 M. BRST			
6:15.78	AUDREY COOPER	GBR	2014	21:43.60	JEN THOMASSON	AUS	2008	3:14.89	NOBUKO YASUDA	JPN	2010
6:21.36	BRIGITTE MERTEN	GER	2009	21:49.37	BARBARA DUNBAR	USA	2014	3:17.44	JOANN LEILICH	USA	2004
6:23.71	SUSAN HAIGH	GBR	2014	22:09.43	JACKIE MARR	USA	2008	3:20.83	LUISE KNOPFLE	GER	2004
6:25.24	BONNIE PRONK	CAN	2002	22:35.98	YOSHIKO OSAKI	JPN	2004	3:21.25	DIANE FORD	GBR	2008
6:27.20	JACKIE MARR	USA	2003	22:58.26	LINDA SHOENBERGER	USA	2012	3:23.72	BONNIE PRONK	CAN	2007
6:27.23	HANNELORE ROSE	GER	2002	22:58.32	MARCIA BARRY	USA	2014	3:24.31	MASAYO AZUMA	JPN	2000
*****				22:59.28	SUZANNE DILLS	USA	2010	3:26.40	FLORA CONNOLLY	GBR	2000
WOMEN 65-69				23:14.85	MARGARETA RAINER	SWE	2014	3:26.55	YOSHIKO OSAKI	JPN	2004
*****				23:33.96	LINDA ASHMORE	GBR	2011	3:29.02	LOTTE MULLER	GER	1999
*****				23:38.44	CLARA WALKER	USA	1992	3:29.93	ELIANE PELLIS	BEL	1998
50 M. FREE				50 M. BACK				50 M. FLY			
31.64	SANDERINA KRUGER	RSA	2014	35.58	DIANN UUSTAL	USA	2011	34.53	DIANN UUSTAL	USA	2013
31.82	LYNETTE STEVENSON	AUS	2011	36.58	MARGIT OHLSSON	SWE	2010	35.49	YOSHIKO KADOSAKA	JPN	2014
31.91	HEIDE LORBERG	GER	2004	36.85	CLARY MUNNS	AUS	2009	36.36	CHRISTEL SCHULZ	GER	2005
32.06	DIANN UUSTAL	USA	2011	37.10	RACHEL BARTON	GBR	2014	36.48	BRIGITTE MERTEN	GER	2014
32.25	SUSIE WHITE	USA	2013	37.47	SILVANA ABREU	BRA	2006	36.66	JUDY WILSON	FRA	2010
32.25	CHRISTEL SCHULZ	GER	2005	37.63	SATOKO TAKEUJI	JPN	2007	36.71	MICHIE DOI	JPN	2009
32.28	YOSHIKO KADOSAKA	JPN	2014	38.08	LYNETTE STEVENSON	AUS	2011	36.79	KIRA MAKAROVA	RUS	2013
32.40	CLARY MUNNS	AUS	2009	38.25	PAM HUTCHINGS	AUS	2001	36.79	YOSHIKO OSAKI	JPN	2003
32.43	RACHEL BARTON	GBR	2013	38.31	TAKAKO NAKAMORI	JPN	2014	36.95	YUMIKO YAMAZAKI	JPN	2014
32.53	STELLA HOLDSHTEIN	ISR	2012	38.91	B.AXLING	SWE	2011	36.96	RACHEL BARTON	GBR	2013
100 M. FREE				100 M. BACK				100 M. FLY			
1:10.76	DIANN UUSTAL	USA	2011	1:17.95	DIANN UUSTAL	USA	2011	1:23.41	BRIGITTE MERTEN	GER	2011
1:10.97	CHRISTEL SCHULZ	GER	2005	1:18.81	MARGIT OHLSSON	SWE	2011	1:23.61	JUDY WILSON	FRA	2010
1:12.05	RACHEL BARTON	GBR	2013	1:22.17	CLARY MUNNS	AUS	2009	1:24.98	KIRA MAKAROVA	RUS	2012
1:12.99	F.WILLIAMSON	USA	2013	1:25.00	BONNIE PRONK	CAN	2007	1:25.28	YOSHIKO OSAKI	JPN	2003
1:13.48	YOSHIKO OSAKI	JPN	2004	1:25.53	PAM HUTCHINGS	AUS	2001	1:25.67	CAROLYN BOAK	USA	2010
1:13.59	RUTH SHAPS	USA	2012	1:25.61	SILVANA ABREU	BRA	2006	1:27.32	DIANN UUSTAL	USA	2013
1:13.78	AIDA DAVIS	PER	2014	1:25.63	RACHEL BARTON	GBR	2013	1:28.05	YUMIKO YAMAZAKI	JPN	2014
1:14.35	JEN THOMASSON	AUS	2010	1:26.37	TAKAKO NAKAMORI	JPN	2014	1:28.09	BARBARA DUNBAR	USA	2014
1:14.67	JACKIE MARR	USA	2008	1:26.66	E.KETELSEN	DEN	2008	1:29.13	CHRISTEL SCHULZ	GER	2006
1:14.70	AKIKO IWAMIZU	JPN	2014	1:26.77	JULIE GUNTHERP	NZL	2012	1:29.85	CLARY MUNNS	AUS	2009
200 M. FREE				200 M. BACK				200 M. FLY			
2:37.00	SANDERINA KRUGER	RSA	2014	2:53.36	DIANN UUSTAL	USA	2011	3:15.63	CAROLYN BOAK	USA	2012
2:38.60	DIANN UUSTAL	USA	2012	2:55.02	MARGIT OHLSSON	SWE	2011	3:17.34	BARBARA DUNBAR	USA	2014
2:39.77	CAROLYN BOAK	USA	2010	3:01.88	BONNIE PRONK	CAN	2007	3:17.36	YOSHIKO OSAKI	JPN	2003
2:41.90	F.WILLIAMSON	USA	2013	3:04.05	CLARY MUNNS	AUS	2011	3:17.86	KIRA MAKAROVA	RUS	2012



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3:28.93	HELGA REICH	GER	2002	2:44.70	YOSHIKO OSAKI	JPN	2008	3:05.43	CLARY MUNNS	AUS	2014
3:29.98	SILVANA ABREU	BRA	2006	2:47.82	CHRISTEL SCHULZ	GER	2010	3:11.41	E.KETELSEN	DEN	2013
3:31.98	FLORA CONNOLLY	GBR	1999	2:49.28	JANE ASHER	GBR	2003	3:12.67	JOY WARD	USA	2012
3:32.18	PATRICIA JACKSON	GBR	2012	2:49.70	JEN THOMASSON	AUS	2013	3:15.81	NORIKO YOSHIDA	JPN	2014
3:32.93	JUNE KRAUSER	USA	1995	2:55.09	E.KETELSEN	DEN	2013	3:17.71	BONNIE PRONK	CAN	2012
3:33.33	CLARY MUNNS	AUS	2010	2:55.22	JUDY WILSON	GBR	2014	3:17.86	CHRISTEL SCHULZ	GER	2011
100 M. I.M.				2:55.57	HELGA REICH	GER	2007	3:18.61	V.JOHANSSON	SWE	2005
1:20.86	DIANN UUSTAL	USA	2011	2:58.06	GAIL ROPER	USA	2000	3:20.96	JANE ASHER	GBR	2001
1:21.89	BRIGITTE MERTEN	GER	2011	3:00.93	NANCY BROWN	USA	2006	3:24.21	YOSHIKO OSAKI	JPN	2009
1:22.53	CLARY MUNNS	AUS	2009	3:01.51	RITSUKO SUGIMURA	JPN	2014	3:25.04	NANCY BROWN	USA	2006
1:23.71	KIRA MAKAROVA	RUS	2013	400 M. FREE				50 M. BRST			
1:24.08	MARGIT OHLSSON	SWE	2011	5:50.41	YOSHIKO OSAKI	JPN	2008	42.80	SHOKO YONEZAWA	JPN	2005
1:24.45	NOBUKO YASUDA	JPN	2010	5:56.99	JEN THOMASSON	AUS	2013	43.18	MONIKA SENFTLEBEN	GER	2012
1:24.71	CAROLYN BOAK	USA	2010	6:00.34	JANE ASHER	GBR	2003	44.05	DIANE FORD	GBR	2014
1:24.95	YOSHIKO OSAKI	JPN	2005	6:14.34	JACKIE MARR	USA	2013	44.22	JOANN LEILICH	USA	2011
1:25.00	CHRISTEL SCHULZ	GER	2005	6:19.70	E.KETELSEN	DEN	2014	44.74	KAZUKO KAJIWARA	JPN	2009
1:25.58	M.BIANCA	ITA	2013	6:19.80	HELGA REICH	GER	2006	45.08	EDITH BOEHM	GER	1999
200 M. I.M.				6:24.11	BARBARA FENTIMAN	GBR	2004	45.19	YOSHIKO OSAKI	JPN	2010
3:02.58	BRIGITTE MERTEN	GER	2011	6:26.99	MARIA PENNA	BRA	2009	45.38	ELAINE BROMWICH	GBR	2012
3:04.22	CAROLYN BOAK	USA	2010	6:27.21	GAIL ROPER	USA	1999	45.55	MASAYO AZUMA	JPN	2005
3:04.40	CLARY MUNNS	AUS	2012	6:28.81	JUNE KRAUSER	USA	1996	45.56	ERIKA LANGE	GER	1998
3:05.72	NOBUKO YASUDA	JPN	2010	800 M. FREE				100 M. BRST			
3:06.04	KIRA MAKAROVA	RUS	2013	12:30.00	JANE ASHER	GBR	2004	1:34.86	DIANE FORD	GBR	2014
3:06.34	DIANN UUSTAL	USA	2013	12:39.45	JACKIE MARR	USA	2013	1:35.58	SHOKO YONEZAWA	JPN	2005
3:06.37	YOSHIKO OSAKI	JPN	2004	13:00.04	BARBARA FENTIMAN	GBR	2004	1:36.63	YOSHIKO OSAKI	JPN	2010
3:06.64	CHRISTEL SCHULZ	GER	2008	13:03.64	HELGA REICH	GER	2006	1:36.94	MASAYO AZUMA	JPN	2005
3:10.11	HANNELORE ROSE	GER	2007	13:07.28	JUNE KRAUSER	USA	1996	1:37.11	LUISE KNOPFLE	GER	2009
3:10.12	BONNIE PRONK	CAN	2007	13:20.64	JILL COMPLIN	GBR	2012	1:37.20	JOANN LEILICH	USA	2009
400 M. I.M.				13:23.18	HISAKO SATO	JPN	2006	1:41.38	TAYO FUJIEDA	JPN	2007
6:31.71	CAROLYN BOAK	USA	2010	13:23.92	PENNY WEBSTER	GBR	2012	1:41.98	KUMIE TOKUDA	JPN	2008
6:34.95	YOSHIKO OSAKI	JPN	2003	13:26.43	BONNIE PRONK	USA	2013	1:42.16	MONIKA SENFTLEBEN	GER	2012
6:45.14	CLARY MUNNS	AUS	2009	13:27.10	JANE KATZ	USA	2013	1:42.21	MARGIT JEBE	USA	2008
6:45.94	JACKIE MARR	USA	2008	1500 M. FREE				200 M. BRST			
6:49.48	BONNIE PRONK	CAN	2007	23:54.74	JANE ASHER	GBR	2004	3:25.76	JOANN LEILICH	USA	2009
6:50.53	BARBARA DUNBAR	USA	2014	23:58.11	JACKIE MARR	USA	2013	3:28.12	DIANE FORD	GBR	2014
6:50.87	BRIGITTE MERTEN	GER	2014	24:56.47	BARBARA FENTIMAN	GBR	2004	3:28.98	MASAYO AZUMA	JPN	2005
6:51.93	HANNELORE ROSE	GER	2008	24:57.85	JUNE KRAUSER	USA	1996	3:30.16	SHOKO YONEZAWA	JPN	2005
6:57.58	FLORA CONNOLLY	GBR	2000	25:14.99	HELGA REICH	GER	2006	3:33.22	LUISE KNOPFLE	GER	2009
7:01.55	JUDIE OLIVER	CAN	1999	25:19.73	REIKO ISHIZAKI	JPN	2009	3:35.99	JEN THOMASSON	AUS	2013
*****				25:40.21	GAIL ROPER	USA	1999	3:40.16	TAYO FUJIEDA	JPN	2007
*****				25:44.60	JILL COMPLIN	GBR	2013	3:43.02	DIANE STOWELL	USA	2005
*****				25:46.23	JANE KATZ	USA	2013	3:44.03	JUDIE OLIVER	CAN	2002
*****				25:56.01	MARIA PENNA	BRA	2011	3:44.40	INGRID LUNING	GER	2010
*****				50 M. BACK				50 M. FLY			
50 M. FREE				38.68	CLARY MUNNS	AUS	2014	37.23	JUDY WILSON	GBR	2014
33.34	CHRISTEL SCHULZ	GER	2010	39.44	E.KETELSEN	DEN	2013	37.96	YOSHIKO OSAKI	JPN	2009
33.36	YOSHIKO OSAKI	JPN	2009	39.79	SATOKO TAKEUJI	JPN	2013	39.02	CHRISTEL SCHULZ	GER	2010
33.86	JANE ASHER	GBR	2004	40.11	HIROMI SATO	JPN	2013	39.36	HARUMI SUGIMOTO	JPN	2008
34.39	JEN THOMASSON	AUS	2013	40.49	MARGARET WILDING	GBR	2009	39.44	JANE ASHER	GBR	2004
34.49	IKUKO OKADO	JPN	2013	40.58	JOY WARD	USA	2012	39.81	BARBARA FRID	USA	2012
34.59	JUDY WILSON	GBR	2014	40.61	PAM HUTCHINGS	AUS	2008	40.39	HISAKO KITAYAMA	JPN	2009
34.70	RENATA BASTEK	POL	2013	40.97	YOSHIKO OSAKI	JPN	2009	40.56	HISAKO SATO	JPN	2006
35.13	JEAN HOWARD-JONES	GBR	2014	41.12	MARIA BALLA	HUN	2014	40.58	HAIKE HOLER	GER	2006
35.14	GERD DURRE	GER	2006	41.23	SHOKO YONEZAWA	JPN	2005	40.66	GAIL ROPER	USA	1999
35.28	PAM HUTCHINGS	AUS	2008	100 M. BACK				100 M. FLY			
100 M. FREE				1:25.13	CLARY MUNNS	AUS	2014	1:24.90	JUDY WILSON	GBR	2014
1:12.97	YOSHIKO OSAKI	JPN	2009	1:26.25	SATOKO TAKEUJI	JPN	2012	1:28.55	YOSHIKO OSAKI	JPN	2009
1:14.69	CHRISTEL SCHULZ	GER	2010	1:27.45	E.KETELSEN	DEN	2013	1:34.70	JANE ASHER	GBR	2001
1:16.45	JANE ASHER	GBR	2004	1:29.10	CHRISTEL SCHULZ	GER	2011	1:34.86	HELGA REICH	GER	2006
1:17.92	JEN THOMASSON	AUS	2013	1:29.64	JOY WARD	USA	2012	1:37.41	CHRISTEL SCHULZ	GER	2010
1:18.35	E.KETELSEN	DEN	2013	1:29.93	BETSY JORDAN	USA	2007	1:37.56	GAIL ROPER	USA	1999
1:18.50	JUDY WILSON	GBR	2014	1:29.96	NORIKO YOSHIDA	JPN	2013	1:38.39	HAIKE HOLER	GER	2006
1:18.67	GAIL ROPER	USA	1999	1:31.24	SHOKO YONEZAWA	JPN	2005	1:39.02	JUDIE OLIVER	CAN	2002
1:19.54	JEAN HOWARD-JONES	GBR	2013	1:31.31	V.JOHANSSON	SWE	2005	1:40.05	HISAKO SATO	JPN	2006
1:20.29	PAM HUTCHINGS	AUS	2008	1:32.28	BONNIE PRONK	CAN	2012	1:40.20	JUNE KRAUSER	USA	1996
1:20.95	RENATA BASTEK	POL	2013	200 M. BACK				200 M. FLY			
200 M. FREE											



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3:34.59	YOSHIKO OSAKI	JPN	2009	1:28.71	JOHNNIE DETRICK	USA	2012	1:40.82	HELEN BIRD	AUS	2014
3:37.23	HELGA REICH	GER	2006	1:28.83	YURIKO NAGAMATSU	JPN	2010	1:41.65	GRETHE BENDTSEN	DEN	2006
3:38.39	JUNE KRAUSER	USA	1996	1:28.96	DENISE ROBERTSON	AUS	2010	1:41.86	MARLENE MENDES	BRA	2008
3:42.68	DANIELA BARNEA	USA	2014	200 M. FREE				200 M. BACK			
3:44.96	JANE ASHER	GBR	2001	2:51.65	YOSHIKO OSAKI	JPN	2013	3:32.59	JANE ASHER	GBR	2006
3:45.64	GAIL ROPER	USA	1999	2:57.19	JANE ASHER	GBR	2006	3:34.09	NANCY BROWN	USA	2011
3:49.52	LINDA MACPHERSON	CAN	2010	3:07.58	GAIL ROPER	USA	2005	3:36.60	HARUMI SUGIMOTO	JPN	2013
3:53.70	JOY WARD	USA	2013	3:08.94	LINDA MACPHERSON	CAN	2014	3:38.25	DORIS STEADMAN	USA	1999
3:55.59	JUDIE OLIVER	CAN	2004	3:11.94	KUMIE TOKUDA	JPN	2012	3:40.01	EVA JAROSOVA	CZE	2013
3:58.01	BETTY RUSS	USA	1997	3:11.99	JEAN TROY	USA	2002	3:40.06	BETTY LORENZI	USA	2003
100 M. I.M.				3:12.60	HELGA REICH	GER	2011	3:40.33	PAM HUTCHINGS	AUS	2012
1:24.88	YOSHIKO OSAKI	JPN	2009	3:13.88	DENISE ROBERTSON	AUS	2010	3:41.22	JUDIE OLIVER	CAN	2009
1:26.68	CLARY MUNNS	AUS	2014	3:15.48	REIKO ISHIZAKI	JPN	2013	3:41.31	KAZU KOYAMA	JPN	2014
1:27.39	CHRISTEL SCHULZ	GER	2010	3:15.76	JUDIE OLIVER	CAN	2007	3:42.98	MISAO MATSUMOTO	JPN	2011
1:27.80	SHOKO YONEZAWA	JPN	2005	400 M. FREE				50 M. BRST			
1:32.23	GAIL ROPER	USA	2000	6:09.40	JANE ASHER	GBR	2006	43.79	SHOKO YONEZAWA	JPN	2010
1:33.49	JANE ASHER	GBR	2003	6:39.88	DENISE ROBERTSON	AUS	2010	46.20	JOANN LEILICH	USA	2014
1:34.10	JUDIE OLIVER	CAN	2002	6:42.00	LINDA MACPHERSON	CAN	2013	46.86	ELIANE PELLIS	BEL	2008
1:35.10	BONNIE PRONK	CAN	2012	6:44.09	JEAN TROY	USA	2002	46.94	A.VAN OBBERGHEN	BEL	2008
1:35.15	RENATA BASTEK	POL	2013	6:49.27	HELGA REICH	GER	2012	47.15	EDITH BOHM	GER	2003
1:35.21	HELGA REICH	GER	2006	6:50.22	MARIA PENNA	BRA	2014	47.51	LUISE KNOPFLE	GER	2014
200 M. I.M.				6:54.68	GAIL ROPER	USA	2004	47.66	MASAYO AZUMA	JPN	2010
3:11.14	YOSHIKO OSAKI	JPN	2009	6:55.16	TAYO FUJIEDA	JPN	2012	48.23	GISELA GRUNER	GER	2012
3:11.19	CLARY MUNNS	AUS	2014	6:57.33	LIZ WALLIS	AUS	2002	48.26	KUMIE TOKUDA	JPN	2012
3:12.16	CHRISTEL SCHULZ	GER	2011	6:57.34	ANNE WILLIAMS	USA	2013	48.67	KAZUKO KAJIWARA	JPN	2014
3:21.52	JUDIE OLIVER	CAN	2002	800 M. FREE				100 M. BRST			
3:24.64	JANE ASHER	GBR	2001	12:25.61	YOSHIKO OSAKI	JPN	2013	1:36.48	SHOKO YONEZAWA	JPN	2010
3:25.28	HELGA REICH	GER	2006	12:42.75	JANE ASHER	GBR	2006	1:40.42	LUISE KNOPFLE	GER	2014
3:26.44	SHOKO YONEZAWA	JPN	2006	13:55.30	HELGA REICH	GER	2013	1:40.82	JOANN LEILICH	USA	2014
3:28.17	JOY WARD	USA	2012	13:58.35	DENISE ROBERTSON	AUS	2014	1:42.36	MASAYO AZUMA	JPN	2010
3:30.65	DANIELA BARNEA	USA	2014	13:59.01	JEAN TROY	USA	2002	1:43.34	ELIANE PELLIS	BEL	2008
3:30.92	GAIL ROPER	USA	1999	14:00.42	MARIA PENNA	BRA	2014	1:44.01	A.VAN OBBERGHEN	BEL	2008
400 M. I.M.				14:00.66	LINDA MACPHERSON	CAN	2013	1:46.09	KUMIE TOKUDA	JPN	2012
6:56.79	YOSHIKO OSAKI	JPN	2008	14:03.84	ANNE WILLIAMS	USA	2013	1:46.62	YOSHIKO OSAKI	JPN	2014
7:09.96	JANE ASHER	GBR	2001	14:11.11	TAYO FUJIEDA	JPN	2013	1:47.02	TAYO FUJIEDA	JPN	2012
7:19.12	JUDIE OLIVER	CAN	2002	14:12.12	GAIL ROPER	USA	2005	1:47.80	SYLVIA NEUHAUSER	AUT	2004
7:24.32	JUNE KRAUSER	USA	1996	1500 M. FREE				200 M. BRST			
7:28.73	DANIELA BARNEA	USA	2014	24:04.75	JANE ASHER	GBR	2006	3:33.03	SHOKO YONEZAWA	JPN	2010
7:34.98	URSULA FROHLICH	GER	2005	26:20.36	LINDA MACPHERSON	CAN	2013	3:36.56	JOANN LEILICH	USA	2014
7:35.12	JOY WARD	USA	2013	26:37.02	GAIL ROPER	USA	2005	3:39.55	LUISE KNOPFLE	GER	2014
7:36.99	GAIL ROPER	USA	1999	26:37.41	DENISE ROBERTSON	AUS	2011	3:40.80	MASAYO AZUMA	JPN	2010
7:40.03	JACKIE MARR	USA	2013	26:44.97	HELGA REICH	GER	2012	3:47.58	ELIANE PELLIS	BEL	2008
7:41.64	KAZUKO ITO	JPN	2012	27:14.94	MICHIGO OKUMURA	JPN	2006	3:48.93	TAYO FUJIEDA	JPN	2013
*****				27:19.57	MARIA PENNA	BRA	2014	3:49.39	A.VAN OBBERGHEN	BEL	2008
WOMEN 75-79				27:33.16	LIZ WALLIS	AUS	2002	3:50.88	ANNE WILLIAMS	USA	2013
*****				27:39.46	JUNE KRAUSER	USA	2001	3:54.55	SYLVIA NEUHAUSER	AUT	2004
50 M. FREE				27:47.25	MARGERY MEYER	USA	1998	3:56.11	JANE ASHER	GBR	2006
35.41	YOSHIKO OSAKI	JPN	2014	50 M. BACK				50 M. FLY			
35.88	JANE ASHER	GBR	2006	43.19	MARLENE MENDES	BRA	2008	40.71	JANE ASHER	GBR	2006
37.21	HISAKO KITAYAMA	JPN	2013	43.23	LILIA ALMEIDA	BRA	2014	42.23	HISAKO KITAYAMA	JPN	2012
37.24	GAIL ROPER	USA	2004	43.46	YOSHIKO OSAKI	JPN	2014	42.44	HARUMI SUGIMOTO	JPN	2013
37.33	JOHNNIE DETRICK	USA	2011	43.50	JANE ASHER	GBR	2006	44.18	GAIL ROPER	USA	2004
37.38	SHOKO YONEZAWA	JPN	2011	43.54	SHOKO YONEZAWA	JPN	2010	44.53	JUDIE OLIVER	CAN	2007
38.14	PAM HUTCHINGS	AUS	2012	44.24	PAM HUTCHINGS	AUS	2012	45.00	MARCELA STASTNA	CZE	2013
38.35	LOTTIE GEURTS	NED	2010	44.76	DORIS STEADMAN	USA	1999	46.01	LUISE KNOPFLE	GER	2014
38.46	HAIDE LORBERG	GER	2011	45.19	NANCY BROWN	USA	2011	46.07	HELGA REICH	GER	2011
38.85	M. CUNNINGHAM	AUS	2002	45.28	JOAN PARNELL	CAN	2004	46.26	SHOKO YAMADA	JPN	2014
100 M. FREE				46.00	EVA JAROSOVA	CZE	2011	47.47	MARY ANN CASE	USA	2014
1:18.59	JANE ASHER	GBR	2006	100 M. BACK				100 M. FLY			
1:19.55	YOSHIKO OSAKI	JPN	2014	1:34.38	ELIANE PELLIS	BEL	2009	1:44.35	JUDIE OLIVER	CAN	2007
1:24.31	GAIL ROPER	USA	2005	1:36.33	SHOKO YONEZAWA	JPN	2010	1:44.90	YOSHIKO OSAKI	JPN	2013
1:25.21	SHOKO YONEZAWA	JPN	2011	1:36.90	NANCY BROWN	USA	2011	1:45.10	JANE ASHER	GBR	2006
1:26.20	JEAN TROY	USA	2002	1:37.09	YOSHIKO OSAKI	JPN	2014	1:46.98	HELGA REICH	GER	2011
1:28.49	M. CUNNINGHAM	AUS	2000	1:37.87	PAM HUTCHINGS	AUS	2012	1:49.36	GAIL ROPER	USA	2005
1:28.57	PAM HUTCHINGS	AUS	2012	1:37.87	JANE ASHER	GBR	2006	1:49.51	MARCELA STASTNA	CZE	2012
				1:39.76	DORIS STEADMAN	USA	2000	1:50.11	SYLVIA NEUHAUSER	AUT	2005



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1:52.25	JUNE KRAUSER	USA	2001	1:34.45	MARGERY MEYER	USA	2002	1:50.61	BETTY LORENZI	USA	2007
1:53.69	LINDA MACPHERSON	CAN	2013	1:34.59	M. CUNNINGHAM	AUS	2005	1:52.72	KERSTIN GJORES	SWE	2007
1:55.61	MARY ANN CASE	USA	2014	1:36.42	BRITT GRILLI	SWE	2008	1:53.51	KIMIKO OOKA	JPN	2009
200 M. FLY				1:36.85	ELIANE PELLIS	BEL	2013	1:54.86	GRETHE BENDTSEN	DEN	2010
3:57.63	HELGA REICH	GER	2012	1:37.16	NAN BOHL	USA	2011	1:55.79	MARGERY MEYER	USA	2002
3:58.98	LINDA MACPHERSON	CAN	2013	1:37.67	JUDIE OLIVER	CAN	2012	1:56.30	NANCY KINNEY	USA	2010
4:00.46	JUDIE OLIVER	CAN	2007	1:38.96	MIEKO KAMOSHITA	JPN	2008	1:57.07	DORIS STEADMAN	USA	2004
4:06.06	JANE ASHER	GBR	2006	200 M. FREE				200 M. BACK			
4:08.39	LOIS KIVI NOCHMAN	USA	1999	3:01.61	JANE ASHER	GBR	2011	3:42.88	JANE ASHER	GBR	2011
4:09.28	GAIL ROPER	USA	2004	3:18.57	GAIL ROPER	USA	2009	3:49.32	JUDIE OLIVER	CAN	2014
4:12.50	JUNE KRAUSER	USA	2001	3:26.52	JEAN TROY	USA	2007	3:59.15	NANCY KINNEY	USA	2009
4:25.06	SUE MAYNE	AUS	2011	3:27.57	MARGERY MEYER	USA	2002	4:07.13	BETTY LORENZI	USA	2007
4:25.42	MARY ANN CASE	USA	2014	3:33.80	ELIANE PELLIS	BEL	2013	4:08.87	JOAN PARNELL	CAN	2008
4:33.31	BETTY RUSS	USA	2004	3:35.64	NAN BOHL	USA	2011	4:09.07	DORIS STEADMAN	USA	2004
100 M. I.M.				3:36.33	AIKO HORII	JPN	2010	4:13.99	KERSTIN GJORES	SWE	2010
1:31.38	YOSHIKO OSAKI	JPN	2013	3:37.21	RITA SIMONTON	USA	1998	4:14.53	MARGERY MEYER	USA	2003
1:31.62	SHOKO YONEZAWA	JPN	2010	3:38.05	JUDIE OLIVER	CAN	2012	4:14.67	AIKO GOTO	JPN	2011
1:32.92	JANE ASHER	GBR	2006	3:41.35	YOSHIKO IKEUCHI	JPN	2011	4:16.47	KIMIKO OOKA	JPN	2011
1:38.11	GAIL ROPER	USA	2004	400 M. FREE				50 M. BRST			
1:38.73	JUDIE OLIVER	CAN	2007	6:34.92	JANE ASHER	GBR	2011	48.46	ELIANE PELLIS	BEL	2013
1:42.04	TAYO FUJIEDA	JPN	2013	7:20.96	JEAN TROY	USA	2007	49.35	A.VAN OBBERGHEN	BEL	2011
1:42.50	MARCELA STASTNA	CZE	2012	7:22.84	MARGERY MEYER	USA	2002	50.48	SATOKO SUZUKI	JPN	2003
1:44.43	HELGA REICH	GER	2011	7:32.58	JUDIE OLIVER	CAN	2012	51.34	EDITH BOHM	GER	2008
1:45.16	HELI PAALOSALO	FIN	2014	7:33.69	RITA SIMONTON	USA	1998	53.62	ANN HIRSCH	USA	2011
1:45.44	SYLVIA NEUHAUSER	AUT	2004	7:37.49	DOROTHY DICKEY	AUS	2010	53.64	JUDIE OLIVER	CAN	2013
200 M. I.M.				7:41.09	NAN BOHL	USA	2011	54.63	JOAN PARNELL	CAN	2008
3:22.23	YOSHIKO OSAKI	JPN	2013	7:42.75	AIKO HORII	JPN	2010	55.13	SYLVIA EISELE	CAN	2009
3:31.20	JANE ASHER	GBR	2006	7:44.00	M. CUNNINGHAM	AUS	2005	55.81	MICHELE GUILLAIS	FRA	2001
3:35.06	JUDIE OLIVER	CAN	2007	7:53.24	BRITT GRILLI	SWE	2009	55.94	NANETTE BOHL	USA	2009
3:37.24	GAIL ROPER	USA	2005	800 M. FREE				100 M. BRST			
3:43.58	JUNE KRAUSER	USA	2001	12:49.43	JANE ASHER	GBR	2011	1:49.73	A.VAN OBBERGHEN	BEL	2011
3:45.86	MARCELA STASTNA	CZE	2012	15:12.35	JEAN TROY	USA	2007	1:54.30	SATOKO SUZUKI	JPN	2003
3:46.71	TAYO FUJIEDA	JPN	2013	15:24.58	JUDIE OLIVER	CAN	2013	1:57.31	ANN HIRSCH	USA	2011
3:47.43	HELGA REICH	GER	2011	15:30.51	MARGERY MEYER	USA	2005	1:58.44	JANE ASHER	GBR	2011
3:49.91	JEAN TROY	USA	2002	15:31.74	NAN BOHL	USA	2011	1:59.48	JUDIE OLIVER	CAN	2014
3:53.51	MICHIKO OKUMURA	JPN	2006	15:43.22	DOROTHY DICKEY	AUS	2011	2:03.93	SAYOKO WATANABE	JPN	2007
400 M. I.M.				15:49.21	RITA SIMONTON	USA	1998	2:04.65	SYLVIA EISELE	CAN	2009
7:11.33	YOSHIKO OSAKI	JPN	2013	16:04.77	VIRGINIA KETELEER	BEL	2006	2:06.51	NANETTE BOHL	USA	2009
7:34.39	JANE ASHER	GBR	2006	16:18.58	MARJORIE SHARPE	USA	1997	2:06.59	EMMI PAULI	GER	1993
7:39.96	JUDIE OLIVER	CAN	2007	16:20.82	AIKO HORII	JPN	2010	2:07.67	EIKO MORI	JPN	2007
7:52.71	JUNE KRAUSER	USA	2001	1500 M. FREE				200 M. BRST			
7:59.77	NANCY BROWN	USA	2011	25:45.37	JANE ASHER	GBR	2011	4:00.52	A.VAN OBBERGHEN	BEL	2011
8:05.23	GAIL ROPER	USA	2006	28:55.09	JEAN TROY	USA	2007	4:10.42	JUDIE OLIVER	CAN	2012
8:16.68	SUE MAYNE	AUS	2011	29:34.22	DOROTHY DICKEY	AUS	2010	4:12.33	JANE ASHER	GBR	2011
8:26.33	KAZU KOYAMA	JPN	2014	29:39.08	MARGERY MEYER	USA	2002	4:16.16	ANN HIRSCH	USA	2011
8:27.31	ANN HIRSCH	USA	2008	29:48.75	RITA SIMONTON	USA	1998	4:29.24	EIKO MORI	JPN	2007
8:30.82	LOIS NOCHMAN	USA	1999	30:15.00	JUDIE OLIVER	CAN	2013	4:31.25	SYLVIA EISELE	CAN	2009
*****				30:25.73	FRANCA PARODI	ITA	2013	4:33.61	NORIKO KIMURA	JPN	2013
WOMEN 80-84				30:32.06	VIRGINIA KETELEER	BEL	2005	4:36.67	NANETTE BOHL	USA	2009
*****				30:43.62	NAN BOHL	USA	2012	4:38.57	DOROTHY WILLIAMS	GBR	2003
50 M. FREE				30:45.08	MICHIKO OKUMURA	JPN	2011	4:47.03	JOAN KIDD	GBR	2007
37.67	JANE ASHER	GBR	2011	50 M. BACK				50 M. FLY			
38.03	GAIL ROPER	USA	2009	46.10	JANE ASHER	GBR	2011	45.57	JANE ASHER	GBR	2011
40.24	MITSUKO KOMURO	JPN	2010	47.63	JUDIE OLIVER	CAN	2014	46.90	JUDIE OLIVER	CAN	2012
41.10	JUDIE OLIVER	CAN	2014	48.82	KERSTIN GJORES	SWE	2007	48.85	GAIL ROPER	USA	2009
41.34	MARGERY MEYER	USA	2002	49.02	JOAN PARNELL	CAN	2008	55.65	LOIS KIVI NOCHMAN	USA	2004
41.40	CHIE TANI	JPN	2007	49.09	GRETHE BENDTSEN	DEN	2010	56.51	CHIE TANI	JPN	2006
41.45	JEAN TROY	USA	2007	50.03	MARGERY MEYER	USA	2002	57.97	NANCY KINNEY	USA	2009
41.78	M. CUNNINGHAM	AUS	2005	50.73	NANCY KINNEY	USA	2009	58.13	SYLVIA EISELE	CAN	2009
41.98	OLGA JOHNSON	NZL	2001	51.19	ANNELIESE POKER	GER	2001	58.20	JEAN TROY	USA	2008
42.01	FLORENCE CARR	USA	2005	51.55	BETTY LORENZI	USA	2007	58.34	ANN HIRSCH	USA	2011
100 M. FREE				51.71	KIMIKO OOKA	JPN	2011	1:00.21	KII SAITO	JPN	2013
1:23.46	JANE ASHER	GBR	2011	100 M. BACK				100 M. FLY			
1:26.23	GAIL ROPER	USA	2009	1:44.88	JANE ASHER	GBR	2011	1:50.08	JUDIE OLIVER	CAN	2012
1:33.88	JEAN TROY	USA	2007	1:45.29	JUDIE OLIVER	CAN	2014	1:58.02	GAIL ROPER	USA	2009
				1:49.83	JOAN PARNELL	CAN	2008	1:59.41	JANE ASHER	GBR	2011



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2:02.63	LOIS KIVI NOCHMAN	USA	2004	100 M. FREE		100 M. BACK	
2:14.51	CHIE TANI	JPN	2007	1:43.97	JEAN TROY	USA	2012
2:16.00	Y.KAPLAN-BADER	FRA	2008	1:44.91	NAN BOHL	USA	2014
2:17.23	SYLVIA EISELE	CAN	2009	1:46.95	MARGERY MEYER	USA	2008
2:19.85	JEAN TROY	USA	2008	1:47.73	BETTY LORENZI	USA	2012
2:22.05	GERTRUD MEERWALD	GER	2000	1:48.44	MIEKO KAMOSHITA	JPN	2012
2:22.88	BETTY RUSS	USA	2008	1:48.55	OLGA JOHNSON	NZL	2006
200 M. FLY				1:49.64	RITA SIMONTON	USA	2003
4:10.18	JUDIE OLIVER	CAN	2012	1:50.59	BETTY RUSS	USA	2013
4:31.97	LOIS KIVI NOCHMAN	USA	2005	1:51.96	M. CUNNINGHAM	AUS	2010
4:54.04	BETTY RUSS	USA	2008	1:53.38	G. MCKENZIE-HICKS	AUS	2012
5:20.76	Y.KAPLAN-BADER	FRA	2010	200 M. FREE		200 M. BACK	
5:22.65	MAXINE O MERLINO	USA	1992	3:49.35	JEAN TROY	USA	2012
5:24.06	JAE HOWELL	USA	2002	3:54.18	MARGERY MEYER	USA	2007
5:27.00	JEAN DURSTON	USA	1997	3:57.48	RITA SIMONTON	USA	2003
5:29.14	THELMA BRYAN	AUS	2010	4:01.13	NAN BOHL	USA	2014
5:38.21	NADIR TAUBERT	BRA	2013	4:04.35	BETTY LORENZI	USA	2012
5:39.29	DOROTHY WESTON	GBR	1996	4:05.78	G. MCKENZIE-HICKS	AUS	2012
100 M. I.M.				4:05.82	OLGA JOHNSON	NZL	2006
1:42.46	JANE ASHER	GBR	2011	4:10.40	HISAKO KOGA	JPN	2002
1:43.51	JUDIE OLIVER	CAN	2013	4:11.96	BETTY RUSS	USA	2012
1:44.95	GAIL ROPER	USA	2009	4:14.66	VIRGINIA KETELEER	BEL	2011
1:49.26	MITSUKO KOMURO	JPN	2010	400 M. FREE		50 M. BRST	
1:56.27	JOAN PARNELL	CAN	2008	7:58.41	MARGERY MEYER	USA	2008
1:56.65	JEAN TROY	USA	2007	8:03.09	JEAN TROY	USA	2012
1:57.48	ANN HIRSCH	USA	2011	8:17.82	RITA SIMONTON	USA	2003
1:57.93	NANCY KINNEY	USA	2009	8:19.75	NAN BOHL	USA	2014
1:58.78	ULLA-BRITT OBERG	SWE	2014	8:39.86	BETTY RUSS	USA	2012
1:59.06	M. CUNNINGHAM	AUS	2005	8:44.56	MAURINE KORNFELD	USA	2008
200 M. I.M.				8:45.92	MARJORIE SHARPE	USA	2002
3:43.73	JANE ASHER	GBR	2011	8:58.13	VIRGINIA KETELEER	BEL	2012
3:47.29	JUDIE OLIVER	CAN	2012	8:59.25	OLGA JOHNSON	NZL	2006
3:55.51	GAIL ROPER	USA	2009	9:06.62	ELSA DE LEEUW	CAN	2009
4:07.66	JEAN TROY	USA	2007	800 M. FREE		100 M. BRST	
4:16.31	MITSUKO KOMURO	JPN	2010	16:25.24	BETTY LORENZI	USA	2012
4:22.00	SYLVIA EISELE	CAN	2009	16:37.49	NAN BOHL	USA	2014
4:22.29	LOIS KIVI NOCHMAN	USA	2005	16:49.43	RITA SIMONTON	USA	2003
4:22.97	CHIE TANI	JPN	2006	18:02.38	MAURINE KORNFELD	USA	2007
4:25.53	ANN HIRSCH	USA	2012	18:14.96	ELSA DE LEEUW	CAN	2009
4:36.03	M. CUNNINGHAM	AUS	2005	18:15.27	BETTY RUSS	USA	2012
400 M. I.M.				18:59.86	Y.KAPLAN-BADER	FRA	2013
8:04.67	JUDIE OLIVER	CAN	2012	19:13.43	LOIS KIVI NOCHMAN	USA	2009
8:07.34	JANE ASHER	GBR	2011	19:41.58	MAXINE MERLINO	USA	1998
8:39.68	GAIL ROPER	USA	2009	20:28.81	MARJORIE SHARPE	USA	2003
9:30.65	JEAN TROY	USA	2007	1500 M. FREE		200 M. BRST	
9:31.73	LOIS KIVI NOCHMAN	USA	2004	30:50.51	BETTY LORENZI	USA	2012
9:37.55	BETTY RUSS	USA	2008	31:44.50	RITA SIMONTON	USA	2003
9:42.82	SYLVIA EISELE	CAN	2009	33:03.30	MARGERY MEYER	USA	2007
9:50.43	MAXINE MERLINO	USA	1992	35:03.42	BETTY RUSS	USA	2012
10:09.01	JEAN DURSTON	USA	1994	36:22.53	Y.KAPLAN-BADER	FRA	2013
10:19.65	BARBARA CALLISON	USA	2013	36:38.30	LOIS KIVI NOCHMAN	USA	2009
*****				37:28.53	MAXINE MERLINO	USA	1998
*****				39:25.76	WILLY VAN RYSEL	GBR	2001
*****				40:12.16	PEGGY SANBORN	USA	2012
*****				40:39.66	KALIS RASMUSSEN	CAN	2009
50 M. FREE				50 M. BACK		50 M. FLY	
44.68	MIEKO KAMOSHITA	JPN	2012	51.75	BETTY LORENZI	USA	2012
45.84	TOKUYO KAMIGAKI	JPN	2011	56.46	KERSTIN GJORES	SWE	2012
46.01	NAN BOHL	USA	2014	57.43	KIMIKO OOKA	JPN	2014
46.31	OLGA JOHNSON	NZL	2006	57.62	BUNNY CEDERLUND	USA	2006
46.35	JEAN TROY	USA	2012	58.02	NOEL MORROW	CAN	2004
48.10	MARGERY MEYER	USA	2008	58.38	MASA SHIGEMITSU	JPN	2000
48.37	BETTY RUSS	USA	2012	58.80	JOAN PARNELL	CAN	2013
48.90	M.KAPCAROVA	SVK	2013	59.11	MARGERY MEYER	USA	2008
49.14	FUSAKO YAMANAKA	JPN	2005	59.34	KAZUKO TAGUCHI	JPN	2011
49.48	HISAKO KOGA	JPN	2003	59.64	REIKO OKUBO	JPN	2012
						1:02.04	LOIS KIVI NOCHMAN
						1:06.92	JEAN TROY
						1:07.35	JEAN DURSTON
						1:09.68	Y.KAPLAN-BADER
						1:11.38	MARIA LENK
						1:12.55	NORA RONAI
						1:16.65	M. CUNNINGHAM
						1:16.71	MAXINE MERLINO
						1:19.27	JUNE REYNOLDS
						1:23.04	CHARLOTTE SANDDAL



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Walt Reid – FINA Masters Recorder



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

100 M. FLY		27:58.70 MIEKO NAGAOKA	JPN 2010	22.25 SERGEY MUKHIN	RUS 2013
3:21.00 DOROTHY WESTON	GBR 2003	1500 M. FREE		22.36 DANIEL BELINI	BRA 2009
3:45.69 NORA RONAI	BRA 2014	42:34.14 RITA SIMONTON	USA 2013	22.37 RENATO GUERALDI	BRA 2009
4:06.32 JEWELL COOK	USA 1999	55:14.66 MIEKO NAGAOKA	JPN 2011	22.38 ERIC MCGINNIS	USA 2014
200 M. FLY		50 M. BACK		22.40 LUKAS HARNOL	CZE 2009
9:17.02 NORA RONAI	BRA 2014	1:20.28 MIEKO NAGAOKA	JPN 2010	22.48 ED WAGNER	USA 1996
100 M. I.M.		1:27.92 EDITH HENDRY	USA 2006	22.48 ROBERT PEEL	USA 1993
2:22.96 OLGA KOKORINA	RUS 2013	1:40.07 LAURA OLIVEIRA	BRA 2014	100 M. FREE	
2:51.20 RITA SIMONTON	USA 2008	1:47.22 KIKU ONO	JPN 2012	47.43 CESAR CIELO	USA 2014
2:53.56 NORA RONAI	BRA 2014	1:50.40 MASAKO MATSUNO	JPN 2012	48.29 DARIAN TOWNSEND	USA 2013
3:00.91 KALIS RASMUSSEN	CAN 2014	1:52.63 MARY LATHRAM	USA 2010	48.32 ADAM RITTER	USA 2014
3:06.08 DOROTHY WESTON	GBR 2003	1:53.95 KATH JOHNSTONE	NZL 2013	48.58 S.KUNZELMANN	GER 2005
3:06.87 MAXINE MERLINO	USA 2004	1:57.45 BERNARDA ANGULO	ESP 2008	49.58 ANDREW MANLEY	GBR 2003
3:08.12 MAURINE KORNFELD	USA 2011	2:00.16 SHIZUE SHIMIZU	JPN 2006	49.60 DANIEL BELINI	BRA 2009
3:13.87 JEWEL COOKE	USA 1999	2:04.24 ROSA SELLARES	ESP 2005	49.90 AKIRA OGASAWARA	JPN 2010
3:23.98 CHARLOTTE SANDDAL	USA 2012	100 M. BACK		49.90 LUKAS HARNOL	CZE 2009
3:25.01 MICHELE GUILLAIS	FRA 2012	2:55.44 MIEKO NAGAOKA	JPN 2009	49.91 BJORN ZIKARSKY	USA 1995
200 M. I.M.		2:59.71 RITA SIMONTON	USA 2014	49.95 M. PATTERSON	AUS 2012
5:58.46 RITA SIMONTON	USA 2008	3:25.37 EDITH HENDRY	USA 2006	200 M. FREE	
6:25.12 MAXINE MERLINO	USA 2003	3:46.03 LAURA OLIVEIRA	BRA 2014	1:44.90 DARIAN TOWNSEND	USA 2013
6:56.70 JEWEL COOKE	USA 1999	4:07.69 MARY LATHRAM	USA 2010	1:46.52 ADAM RITTER	USA 2013
7:16.26 CHARLOTTE SANDDAL	USA 2012	4:08.35 BERNARDA ANGULO	ESP 2008	1:48.81 JOHN KEPPELER	USA 1995
10:46.88 GERDA VOSS	CAN 2009	4:12.61 SHIZUE SHIMIZU	JPN 2006	1:49.94 ANDREW MANLEY	GBR 2003
11:57.44 HILDA BUEL	USA 2004	4:36.75 ROSA SELLARES	ESP 2005	1:50.01 KOSUKE MAEDA	JPN 2014
400 M. I.M.		5:12.32 MARGO BATES	AUS 2007	1:50.19 SYLVAIN CROS	FRA 2007
13:55.37 NORA RONAI	BRA 2014	200 M. BACK		1:50.85 VINICIUS WAKED	USA 2014
14:55.37 JEWEL COOKE	USA 1999	6:24.50 MIEKO NAGAOKA	JPN 2009	1:50.99 EDUARDO SCHIESARI	BRA 2002
*****		7:36.62 EDITH HENDRY	USA 2006	1:51.11 HERMAN LOUW	USA 2000
WOMEN 95-99		9:20.51 BERNARDA ANGULO	ESP 2008	1:51.34 STEVEN MELLOR	GBR 2000
*****		9:37.39 ROSA SELLARES	ESP 2005	400 M. FREE	
50 M. FREE		11:55.69 MARGO BATES	AUS 2007	3:53.60 SYLVAIN CROS	FRA 2007
1:13.87 SHIZUE SHIMIZU	JPN 2006	50 M. BRST		3:55.84 LUCA PUCE	ITA 2014
1:21.48 LAURA OLIVEIRA	BRA 2014	1:50.07 LAURA OLIVEIRA	BRA 2014	3:56.53 A.ANGELOTTI	BRA 2001
1:21.93 MIEKO NAGAOKA	JPN 2009	2:54.04 KATH JOHNSTONE	NZL 2014	3:56.60 MARTIN HOHL	SUI 2009
1:24.92 YOSHIKO WATANABE	JPN 2012	3:28.94 MICHIKO HAMURO	JPN 2014	3:56.66 AURELIEN COQ	FRA 2004
1:28.20 KIKU ONO	JPN 2012	100 M. I.M.		3:57.03 ERIC NILSSON	USA 2013
1:29.00 EMI HAYASHI	JPN 2014	3:54.89 MARIE KELLEHER	USA 2008	3:57.24 STEVEN MELLOR	GBR 2000
1:43.00 MARY LATHRAM	USA 2010	*****		3:58.23 ALEX KOSTICH	USA 1997
1:46.83 MASAKO MATSUNO	JPN 2012	WOMEN 100-104		3:59.78 GAVIN LILLEY	GBR 1993
1:47.40 KATH JOHNSTONE	NZL 2014	*****		4:00.64 G.ORPHANIDES	GBR 2003
1:58.55 BERNARDA ANGULO	ESP 2007	50 M. FREE		800 M. FREE	
100 M. FREE		1:34.12 MIEKO NAGAOKA	JPN 2014	8:07.91 A.ANGELOTTI	BRA 2001
2:59.01 MIEKO NAGAOKA	JPN 2010	100 M. FREE		8:13.81 G.ORPHANIDES	GBR 2003
3:10.36 MARIE KELLEHER	USA 2008	3:30.49 MIEKO NAGAOKA	JPN 2014	8:14.75 ALEX KOSTICH	USA 1997
3:26.81 LAURA OLIVEIRA	BRA 2014	200 M. FREE		8:17.80 ERIC NILSSON	USA 2013
4:04.76 KATH JOHNSTONE	NZL 2013	7:27.89 MIEKO NAGAOKA	JPN 2014	8:21.79 G.SPLITTERGERBER	GER 2000
4:25.97 BERNARDA ANGULO	ESP 2008	400 M. FREE		8:22.21 KOHEI FUKAYA	JPN 2009
4:32.42 ROSA SELLARES	ESP 2006	16:40.10 MIEKO NAGAOKA	JPN 2014	8:25.06 JASON NIELSON	USA 1996
4:35.98 MARGE ANDERSON	CAN 1998	800 M. FREE		8:26.25 SYLVAIN CROS	FRA 2009
4:41.51 ANNE DUNIVIN	USA 2011	36:51.23 MIEKO NAGAOKA	JPN 2014	8:26.37 CRAIG PICKERING	USA 2006
200 M. FREE		50 M. BACK		8:28.33 ANDREA MARCATO	ITA 2002
5:25.74 RITA SIMONTON	USA 2013	1:38.71 MIEKO NAGAOKA	JPN 2014	1500 M. FREE	
6:17.47 MIEKO NAGAOKA	JPN 2009	3:53.60 ROSA SELLARES	ESP 2010	15:29.68 G.ORPHANIDES	GBR 2003
6:50.52 MARIE KELLEHER	USA 2008	100 M. BACK		15:41.81 ALEX KOSTICH	USA 1997
8:13.16 LAURA OLIVEIRA	BRA 2014	3:42.81 MIEKO NAGAOKA	JPN 2014	15:51.03 AKIRA OTANI	JPN 2014
9:26.22 BERNARDA ANGULO	ESP 2009	200 M. BACK		15:56.29 MARTIN HOHL	SUI 2008
9:32.52 ROSA SELLARES	ESP 2006	7:40.01 MIEKO NAGAOKA	JPN 2014	15:56.57 RAFAEL CABANILLAS	ESP 2014
10:33.89 ANNE DUNIVIN	USA 2011	*****		16:08.62 TAMMO SCHROEDER	GER 2009
400 M. FREE		M E N 25-29		16:15.61 CRAIG PICKERING	USA 2006
13:05.10 MIEKO NAGAOKA	JPN 2010	*****		16:16.13 JOHN CALNAN	CAN 2006
15:28.76 MASAKO MATSUNO	JPN 2012	50 M. FREE		16:23.21 ROB J MACKLE	USA 1992
19:20.68 BERNARDA ANGULO	ESP 2007	21.37 CESAR CIELO	USA 2014	16:26.02 MASAKAZU TAKASE	JPN 2012
19:24.06 ROSA SELLARES	ESP 2006	21.59 A.LIUKKONEN	FIN 2014	50 M. BACK	
21:39.84 ANNE DUNIVIN	USA 2011	22.08 DARIAN TOWNSEND	USA 2013	24.17 MARCO LOUGHRAN	GBR 2014
800 M. FREE				24.55 DARIAN TOWNSEND	USA 2013
				24.98 DAVID RUSSELL	USA 2014



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

25.02	RODRIGO TRIVINO	BRA	2012	23.70	OLIVER WENZEL	GER	2009	50	M. FREE		
25.05	STEV THELOKE	GER	2004	23.95	DANIEL BELINI	BRA	2009	21.98	NICHOLAS BRUNELLI	USA	2011
25.15	KEVIN DOAK	USA	2007	24.10	M. PATTERSON	AUS	2011	22.13	THOMAS RUPPRATH	GER	2009
25.17	SIMON SJODIN	SWE	2013	24.15	ADAM RITTER	USA	2014	22.15	DARIAN TOWNSEND	USA	2014
25.22	TERO RATY	FIN	2004	24.17	GLAUBER SILVA	BRA	2011	22.24	DAVID MAITRE	FRA	2011
25.24	JUNICHI MIYASHITA	JPN	2010	24.20	DAVID RUSSELL	USA	2014	22.39	ANTHONY ERVIN	USA	2011
25.26	TAKANORI MORI	JPN	2009	24.24	D. BURGESS LAIRD	USA	1989	22.41	S.KUNZELMANN	GER	2008
100	M. BACK			100	M. FLY			22.56	SIMON BURNETT	USA	2014
53.38	DAVID RUSSELL	USA	2014	52.45	DARIAN TOWNSEND	USA	2013	22.61	LEANDRO OKUDA	BRA	2009
54.23	LEONARDO SUMIDA	BRA	2011	52.92	DANIEL BELINI	BRA	2009	22.65	M.BILDOSOLA	ESP	2014
54.47	TAKASHI TAKEMOTO	JPN	2012	53.00	DAVID RUSSELL	USA	2014	22.66	ALEKSEY MANZHULA	RUS	2013
54.99	IAN POWELL	GBR	2011	53.04	KIYOTAKA INOUE	JPN	2013	100	M. FREE		
55.04	STEFAN HERBST	GER	2005	53.17	TAKATSUGU OGA	JPN	2014	48.08	DARIAN TOWNSEND	USA	2014
55.15	TERO RATY	FIN	2004	53.63	TAKUYA HASEGAWA	JPN	2013	49.04	S.KUNZELMANN	GER	2008
55.26	KEVIN DOAK	USA	2009	53.72	KEI NAKASHIMA	JPN	2009	49.27	GREG MALLETT	USA	2014
55.42	TAKAFUMI OISHI	JPN	2005	53.82	JEFF DASH	USA	2008	49.30	TAMAS KEREKJARTO	USA	2009
55.48	JAN KONARZEWSKI	USA	2013	53.91	KIYOTAKA IDO	JPN	2014	49.89	M.BILDOSOLA	ESP	2014
55.52	JUNICHI MIYASHITA	JPN	2010	53.93	STEFAN HERBST	GER	2004	49.95	FERNANDO ALAEZ	ESP	2009
200	M. BACK			200	M. FLY			49.97	ANDREW MANLEY	GBR	2008
1:56.22	STEFAN HERBST	GER	2006	1:59.74	MARK LEWIS	GBR	2008	50.02	NICHOLAS BRUNELLI	USA	2011
1:59.68	IAN POWELL	GBR	2011	1:59.80	MAKSIM GANIKHIN	RUS	2012	50.19	D.STOCKINGER	AUT	2012
2:01.14	DEAN KENT	NZL	2005	1:59.92	SATOSHI TORATANI	JPN	2008	50.35	ANTHONY ERVIN	USA	2011
2:01.78	MARTIN HARRIS	GBR	1994	2:01.72	YOHEI KATO	JPN	2007	200	M. FREE		
2:02.23	JOHNATHAN SARGENT	GBR	2011	2:01.74	LOIC LEROY	FRA	2006	1:46.12	DARIAN TOWNSEND	USA	2014
2:02.63	JOHN KEPPELER	USA	1995	2:01.95	IKUMI HASEGAWA	JPN	2010	1:46.52	STEFAN HERBST	GER	2011
2:02.67	JONATHAN AUDIS	GBR	2009	2:02.05	KIMITAKA MINOBE	JPN	2003	1:48.23	YURIY UFIMTSEV	RUS	2014
2:02.75	LEONARDO SUMIDA	BRA	2011	2:02.72	LASSE FRANK	GER	2007	1:48.40	JACOB CARSTENSEN	DEN	2008
2:03.19	SYLVAIN CROS	FRA	2007	2:02.86	M.BABUCHOWSKI	POL	2011	1:49.00	CHRISTOPH HILMER	GER	2006
2:03.69	SHINYA HAYASHI	JPN	2006	2:03.48	YUTA HAYASAKI	JPN	2009	1:49.58	TAMAS KEREKJARTO	USA	2009
50	M. BRST			100	M. I.M.			1:50.00	GREG MALLETT	USA	2014
27.31	EETU KARVONEN	USA	2013	53.47	DARIAN TOWNSEND	USA	2013	1:50.91	ROWDY GAINES	JPN	1989
27.41	RYO KOBAYASHI	JPN	2014	53.53	ADAM RITTER	USA	2014	1:51.97	ANDREW MANLEY	GBR	2007
27.59	ADAM RITTER	USA	2014	55.13	YUTA SHOJI	JPN	2010	1:52.04	JOHN KEPPELER	USA	1999
27.68	A.LIUKKONEN	FIN	2014	55.20	STEFAN HERBST	GER	2004	400	M. FREE		
27.69	RUSS PATRICK	CAN	2003	55.78	OLIVER WENZEL	GER	2009	3:51.97	YURIY UFIMTSEV	RUS	2014
27.76	EDUARDO FISCHER	BRA	2005	55.97	IKUMI HASEGAWA	JPN	2012	3:57.47	TAMAS KEREKJARTO	USA	2009
27.77	YUKI HONDA	JPN	2014	56.13	NAOKI NAGURA	JPN	2008	3:58.40	ALEX KOSTICH	USA	2000
27.91	MALIK FALL	SEN	2014	56.36	NAOYA HIRANO	JPN	2012	3:59.83	BRUCE HAYES	USA	1994
28.11	NAOKI NAGURA	JPN	2006	56.39	FRANK ZIO	USA	2011	4:00.26	SEBASTIAN WIESE	GER	2004
28.18	MITSUHIRO MARU	JPN	2008	56.42	HIDEKI SAKAI	JPN	2011	4:00.36	FABIEN CZACHOR	FRA	2009
100	M. BRST			200	M. I.M.			4:02.06	RAPHAEL VIEIRA	BRA	2008
59.21	EETU KARVONEN	USA	2013	1:59.70	K.GILCHRIST	FRA	2010	4:02.13	CLAUS IVERSEN	DEN	2011
59.24	RYO KOBAYASHI	JPN	2014	1:59.79	ADAM RITTER	USA	2013	4:02.56	SYLVAIN CROS	FRA	2010
1:00.28	EDUARDO FISCHER	BRA	2005	2:00.56	STEFAN HERBST	GER	2006	4:02.66	ROWDY GAINES	JPN	1989
1:01.43	PIOTR SAFRONCZYK	POL	2014	2:01.58	DEAN KENT	NZL	2005	800	M. FREE		
1:01.48	KOTARO MORITA	JPN	2010	2:02.48	RYOYA TAGUCHI	JPN	2011	8:17.06	ALEX KOSTICH	USA	2000
1:01.49	TETSUYA WAKATSUKI	JPN	2014	2:03.28	AURELIEN COQ	FRA	2004	8:19.13	SEBASTIAN WIESE	GER	2004
1:01.49	MITSUHIRO MARU	JPN	2008	2:04.10	IKUMI HASEGAWA	JPN	2010	8:19.44	BRUCE HAYES	USA	1994
1:01.62	GARY MARSHALL	USA	2009	2:04.17	YOHEI KATO	JPN	2007	8:22.07	ALBERT GALLARDO	ESP	2014
1:01.99	NIKLAS TOUR	SWE	2014	2:04.51	YUTA SAITO	JPN	2014	8:22.07	DAVID GENET	FRA	2013
1:02.01	HAJIME IKEGAMI	JPN	2010	2:04.57	PIERRE VETTER	FRA	2014	8:22.10	FABIEN CZACHOR	FRA	2009
200	M. BRST			400	M. I.M.			8:28.60	IGOR PIOVESAN	ITA	2008
2:10.68	RYO KOBAYASHI	JPN	2013	4:14.51	IKUMI HASEGAWA	JPN	2009	8:29.34	JOSE HERVAS	ESP	2013
2:11.81	SEAN MAHONEY	USA	2014	4:20.94	DEAN KENT	NZL	2005	8:29.51	CRAIG PICKERING	USA	2008
2:14.44	CHRISTOPHER JONES	GBR	2007	4:26.08	JULIEN BAILLOD	SUI	2009	8:31.77	JULIEN BAILLOD	SUI	2014
2:15.42	SIMON LEIGHFIELD	AUS	2002	4:26.79	JOHN KEPPELER	USA	1995	1500	M. FREE		
2:16.46	CHIKAHIDE ENDO	JPN	2013	4:26.97	ALEX KOSTICH	USA	1997	15:51.07	ALEX KOSTICH	USA	2000
2:16.98	TAKAHIRO NETSU	JPN	2013	4:28.12	GIORGIO PAOLETTI	ITA	2012	16:06.84	IGOR PIOVESAN	ITA	2008
2:17.95	ANDREA CAVALLETTI	ITA	2013	4:28.38	RAYMOND VD MERWE	NED	2012	16:08.42	DAVID GENET	FRA	2014
2:18.21	FABIO SILVA	BRA	2006	4:30.05	DAVID HOLMES	GBR	2009	16:09.53	JULIEN BAILLOD	SUI	2013
2:18.31	KOICHI MASUI	JPN	2010	4:30.42	SYLVAIN CROS	FRA	2009	16:09.78	JOSE HERVAS	ESP	2014
2:18.40	TAKEO SASAOKA	JPN	2010	4:30.99	MARCEL RINZLER	USA	2000	16:11.71	ANDREA MARCATO	ITA	2004
50	M. FLY			*****				16:12.03	FABIEN CZACHOR	FRA	2009
23.53	DARIAN TOWNSEND	USA	2013	*****				16:15.49	MIKE SHAFFER	USA	1995
23.60	YOSHIHIRO ASO	JPN	2014	M E N 30-34				16:19.32	MARTIN HOHL	SUI	2013
23.66	DAISUKE ABE	JPN	2009	*****				16:21.25	BRUCE HAYES	USA	1994



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

50	M. BACK			50	M. FLY			*****
24.81	DERYA BUYUKUNCU	USA	2009	22.87	THOMAS RUPPRATH	GER	2009	M E N 35-39
24.92	KEVIN DOAK	USA	2012	24.10	FERNANDO ALAEZ	ESP	2009	*****
25.35	RODRIGO RIVINO	BRA	2014	24.11	LEANDRO OKUDA	BRA	2009	50 M. FREE
25.41	SIMON BURNETT	USA	2014	24.20	TAKASHI NISHIYAMA	JPN	2009	21.53 MARK FOSTER
25.54	MARTIN ZUBERO	USA	2001	24.32	MARCELO TOMAZINI	BRA	2009	22.47 JOHN MIRANDA
25.59	THIAGO PINTO	BRA	2008	24.36	HAJIME ITOI	JPN	2003	22.48 RYK NEETHLING
25.67	HAJIME ITOI	JPN	2001	24.43	SIMON BURNETT	USA	2014	22.72 EDUARD LORENTE
25.70	FERNANDO ALAEZ	ESP	2009	24.64	ZSOLT GASPARG	USA	2009	22.73 FELIPE DELGADO
25.76	T.TAKEMURA	JPN	2009	24.64	BRIAN ALDERMAN	USA	1999	22.86 JEROME LE COQ
25.78	NICHOLAS BRUNELLI	USA	2011	24.65	OSWALDO QUEVEDO	USA	2007	22.96 STEPHANE MEYER
100	M. BACK			100	M. FLY			22.97 GLENN COUNTS
52.68	DERYA BUYUKUNCU	USA	2009	52.63	STEFAN HERBST	GER	2011	23.02 BRIAN JACOBSON
54.65	SIMON BURNETT	USA	2014	52.81	DARIAN TOWNSEND	USA	2014	23.04 M.GIALDI
55.17	KEVIN DOAK	USA	2012	54.10	TAMAS KEREKJARTO	USA	2009	100 M. FREE
55.19	MARTIN ZUBERO	USA	2003	54.20	TAKAHIRO MORI	JPN	2011	49.53 JOHN MIRANDA
55.65	RODRIGO RIVINO	BRA	2014	54.28	S.KUNZELMANN	GER	2008	50.54 STEPHANE MEYER
55.78	MARTIN HARRIS	GBR	2000	54.50	MARCELO TOMAZINI	BRA	2009	50.72 MICHAEL PICOTTE
55.91	ALEXEY ZATSEPIN	RUS	2014	54.64	SIMON BURNETT	USA	2014	50.82 EIJI NOMURA
55.98	TAKUMA YAMAOKA	JPN	2008	54.66	HIROKI NAKAZONO	JPN	2009	50.85 GLENN COUNTS
56.14	TAKAFUMI OISHI	JPN	2006	54.82	HIROSHI MIURA	JPN	1996	50.91 OLIVER PLANES
56.16	THIAGO PINTO	BRA	2008	54.85	BRIAN ALDERMAN	USA	1999	51.01 RON KARNAUGH
200	M. BACK			200	M. FLY			51.11 ISAMU TSUZUKI
1:55.46	DERYA BUYUKUNCU	USA	2009	1:59.51	MARCELO TOMAZINI	BRA	2009	51.27 GREG PHILLIPS
1:56.68	STEFAN HERBST	GER	2008	2:00.21	HIROSHI MIURA	JPN	2000	51.31 MICHAEL ROSS
2:00.43	MARTIN ZUBERO	USA	2001	2:00.50	TAMAS KEREKJARTO	USA	2009	200 M. FREE
2:02.84	TAKAFUMI OISHI	JPN	2007	2:02.22	LOIC LEROY	FRA	2012	1:51.31 ERIK HOCHSTEIN
2:02.91	JOHN KEPPELER	USA	1999	2:04.03	JOCHEN HANZ	GER	2009	1:51.47 JOCHEN BRUHA
2:03.36	TAKUMA YAMAOKA	JPN	2008	2:04.49	PAUL WILKES	GBR	2014	1:51.54 MICHAEL ROSS
2:03.53	SYLVAIN CROS	FRA	2010	2:04.59	MIKE SHAFFER	USA	1995	1:52.90 RON KARNAUGH
2:03.77	JEROME FAROUZE	FRA	2007	2:05.00	C.SORRENTINO	ITA	2008	1:53.37 TYLER BLESSING
2:03.96	KEITH BEAVERS	CAN	2014	2:05.07	FERNANDO ALAEZ	ESP	2008	1:53.54 M.EROLI
2:04.63	JAY YARID	USA	1993	2:05.45	ASUKA KOIZUMI	JPN	2010	1:53.66 EDWIN VAN NORDEN
50	M. BRST			100	M. I.M.			1:53.72 CLAUS IVERSEN
26.77	JORGE ALONZO	ESP	2009	53.75	DARIAN TOWNSEND	USA	2014	1:54.14 ISAMU TSUZUKI
27.11	MARCELO TOMAZINI	BRA	2009	55.00	STEFAN HERBST	GER	2008	1:54.16 JACOB CARSTENSEN
27.73	CARLOS ALENCAR	BRA	2009	55.77	NICHOLAS BRUNELLI	USA	2011	400 M. FREE
27.81	THOMAS RUPPRATH	GER	2009	55.80	DAISUKE HOSOKAWA	JPN	2014	3:57.77 ERIK HOCHSTEIN
28.01	JEFF COMMINGS	USA	2008	55.99	SIMON BURNETT	USA	2014	3:58.50 F.SILVESTRI
28.20	RYOSUKE IMAI	JPN	2011	56.01	YUTA SHOJI	JPN	2014	3:59.71 JACOB CARSTENSEN
28.27	MATTHIAS RUMPF	GER	2009	56.29	ALEXEY ZATSEPIN	RUS	2014	4:01.78 RON KARNAUGH
28.31	HIDEAKI TOGO	JPN	2003	56.34	FERNANDO ALAEZ	ESP	2009	4:02.35 SEBASTIAN WIESE
28.48	TOMASZ DUSZYNSKI	POL	2009	56.36	ATTILA CZENE	SWE	2004	4:02.52 MIKE SHAFFER
28.52	NICHOLAS BRUNELLI	USA	2011	56.43	HIROYUKI KOSAKA	JPN	2010	4:03.90 NICOLAS GRANGER
100	M. BRST			200	M. I.M.			4:05.07 GARRY MEIKLEJOHN
1:00.81	ED MOSES	USA	2011	1:57.68	TAMAS KEREKJARTO	USA	2009	4:05.29 ALEX KOSTICH
1:00.95	RYOSUKE IMAI	JPN	2011	1:57.77	DARIAN TOWNSEND	USA	2014	4:05.84 ANDREA MARCATO
1:01.07	KYOSUKE YONEHARA	JPN	2010	1:58.13	STEFAN HERBST	GER	2008	800 M. FREE
1:01.15	K.GILCHRIST	GBR	2013	2:02.20	HIROYUKI KOSAKA	JPN	2010	8:16.19 ALEX KOSTICH
1:01.34	MATTHIAS RUMPF	GER	2009	2:03.04	KEITH BEAVERS	CAN	2014	8:23.06 ERIK HOCHSTEIN
1:01.34	JEFF COMMINGS	USA	2008	2:03.54	DIOGO YABE	BRA	2011	8:26.43 MIKE SHAFFER
1:01.35	RYUTARO MORITA	JPN	2009	2:03.74	TIMOTHY CARLSON	USA	2009	8:27.96 IGOR PIOVESAN
1:01.94	HIROYUKI KOSAKA	JPN	2010	2:03.76	ALEXEY ZATSEPIN	RUS	2014	8:28.37 RICHARD STANNARD
1:02.19	TAKAHIRO NETSU	JPN	2014	2:04.01	ATTILA CZENE	SWE	2004	8:29.31 BOBBY PATTEN
1:02.32	TOMASZ DUSZYNSKI	POL	2009	2:04.16	JOCHEN HANZ	GER	2008	8:30.84 OLIVIER VAHE
200	M. BRST			400	M. I.M.			8:31.55 GARRY MEIKLEJOHN
2:12.58	HIROYUKI KOSAKA	JPN	2010	4:19.69	TAMAS KEREKJARTO	USA	2009	8:32.29 JUAN C VALLEJO
2:12.92	KYOSUKE YONEHARA	JPN	2010	4:22.35	ASUKA KOIZUMI	JPN	2009	8:33.28 SEBASTIAN WIESE
2:13.16	K.GILCHRIST	GBR	2013	4:25.00	KEITH BEAVERS	CAN	2014	1500 M. FREE
2:13.60	KAZUYA KOIKE	JPN	2009	4:26.74	ROQUE SANTOS	USA	1999	15:56.57 ALEX KOSTICH
2:15.71	CHRISTOPHER JONES	GBR	2013	4:27.02	JOCHEN HANZ	GER	2008	15:58.20 BOBBY PATTEN
2:15.72	TOMASZ DUSZYNSKI	POL	2007	4:28.83	K.GILCHRIST	GBR	2013	16:03.47 MIKE SHAFFER
2:16.60	NICK GILLINGHAM	GBR	2001	4:29.07	ALEX KOSTICH	USA	2000	16:05.94 RICHARD STANNARD
2:17.56	ROQUE SANTOS	USA	1999	4:32.23	JEROME FRENTSOS	USA	1999	16:07.85 FRED CLATWORTHY
2:17.92	TIMOTHY CARLSON	USA	2009	4:33.78	JULIEN BAILLOD	SUI	2011	16:11.68 IGOR PIOVESAN
2:18.46	RYUTARO MORITA	JPN	2009	4:34.73	C.SORRENTINO	ITA	2007	



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

16:12.88	ERIK HOCHSTEIN	USA	2003	2:18.68	V.KIRJANOV	LAT	2009	4:37.73	ROMAIN MARTY	FRA	2009
16:17.38	DANIEL SERRA	ESP	2007	2:20.24	MAXIM PODOPRIGORA	AUT	2013	4:37.89	KEISUKE KUGA	JPN	2012
16:20.54	NICOLAS GRANGER	FRA	2006	2:20.26	WALLY DICKS	USA	2000	4:38.40	IGOR PIOVESAN	ITA	2010
16:24.14	OLIVIER VAHE	FRA	2008	2:20.49	HAJIME MORIMOTO	JPN	2003	4:38.95	JOCHEN HANZ	GER	2013
50 M. BACK				50 M. FLY				*****			
25.72	EDILSON SILVA	USA	2009	22.97	LIONEL BRAHIM	FRA	2010	M E N 40-44			
25.86	MICHAEL ROSS	USA	2004	23.64	ADAM PINE	AUS	2011	*****			
26.07	STEV THELOKE	GER	2014	23.72	LARS FROLANDER	SWE	2011	50 M. FREE			
26.10	C.SORRENTINO	ITA	2010	24.03	EIJI NOMURA	JPN	2010	23.06	M.GIALDI	ITA	2010
26.36	LEONARDO GOMES	BRA	2010	24.48	JAN KARLSSON	SWE	2003	23.13	BRIAN JACOBSON	USA	2013
26.51	BEN HARKIN	GBR	2014	24.87	GLENN COUNTS	USA	2012	23.18	VLADIMIR PREDKIN	RUS	2013
26.58	KENTARO NAKAMURA	JPN	2010	24.89	MAKIO ENDO	JPN	2010	23.25	ERIK HOCHSTEIN	USA	2008
26.59	HIDEAKI OGAWA	JPN	2013	25.11	BEN HARKIN	GBR	2014	23.45	MICHAEL ROSS	USA	2009
26.62	ALEXANDR SHILIN	RUS	2014	25.14	IGOR MARCHENKO	USA	2011	23.51	PAUL CLEMENCE	GBR	2014
26.63	TAKAYUKI MIYASAKA	JPN	2014	25.17	MASATERU IKEDA	JPN	2010	23.54	ISAMU TSUZUKI	JPN	2014
100 M. BACK				100 M. FLY				23.67	GO KUWATA	JPN	2013
55.95	MICHAEL ROSS	USA	2004	52.24	ADAM PINE	AUS	2011	23.68	R.ALVES SANTOS	BRA	2003
56.42	JEFF WELECHUK	CAN	2009	54.27	IGOR MARCHENKO	USA	2011	23.73	STEFAN OPATRIL	AUT	2008
56.93	RON KARNAUGH	USA	2002	54.56	EIJI NOMURA	JPN	2010	100 M. FREE			
57.14	DEREK GUFFEY	USA	2009	54.70	M.EROLI	ITA	2012	50.43	MICHAEL ROSS	USA	2008
57.19	JEFF COMMINGS	USA	2009	54.99	GLENN COUNTS	USA	2014	50.45	ERIK HOCHSTEIN	USA	2009
57.24	M.EROLI	ITA	2013	55.20	STEFAN HERBST	GER	2013	51.57	MIKE VAROZZA	USA	2009
57.25	TAKUMA YAMAOKA	JPN	2013	55.22	MASATERU IKEDA	JPN	2010	51.76	EIJI NOMURA	JPN	2012
57.54	STEV THELOKE	GER	2013	55.24	STEPHANE MEYER	FRA	2009	51.96	M.GIALDI	ITA	2010
57.60	KENTARO NAKAMURA	JPN	2010	55.45	BRENT CREAGER	USA	2014	52.03	VLADIMIR PREDKIN	RUS	2013
57.69	CHRIS JONES	GBR	2006	55.68	ISAMU TSUZUKI	JPN	2012	52.07	KAI DITZEL	GER	2004
200 M. BACK				200 M. FLY				52.07	CYRO DELGADO	BRA	2002
2:00.34	RON KARNAUGH	USA	2002	2:02.98	BRENT CREAGER	USA	2014	52.08	ISAMU TSUZUKI	JPN	2013
2:01.55	STEFAN HERBST	GER	2013	2:03.05	M.EROLI	ITA	2012	52.35	HENRIK JOHANSSON	SWE	2008
2:03.20	DEREK GUFFEY	USA	2009	2:03.31	EIJI NOMURA	JPN	2009	200 M. FREE			
2:04.21	CHRIS JONES	GBR	2006	2:03.76	FERNANDO ALAEZ	ESP	2011	1:50.08	MICHAEL ROSS	USA	2008
2:04.96	JEFF WELECHUK	CAN	2009	2:04.06	ISAMU TSUZUKI	JPN	2012	1:51.95	ERIK HOCHSTEIN	USA	2009
2:05.01	TAKAYUKI MIYASAKA	JPN	2012	2:04.50	BOBBY PATTEN	USA	1999	1:53.03	KAI DITZEL	GER	2004
2:06.26	ROMAIN MARTY	FRA	2009	2:05.84	MIKE SHAFFER	USA	2000	1:54.62	ALBERTO MONTINI	ITA	2010
2:06.45	TAKUMA YAMAOKA	JPN	2013	2:06.23	ERIK HOCHSTEIN	USA	2003	1:55.11	F.SILVESTRI	ITA	2003
2:06.95	YOSHIHITO NAKAHARA	JPN	2005	2:06.48	WILLIAM SPECHT	USA	1994	1:55.42	PATRICK BRUNDAGE	USA	2009
2:07.12	JEROME FRENTSOS	USA	2000	2:06.65	UWE VOLK	GER	2009	1:55.65	ISAMU TSUZUKI	JPN	2013
50 M. BRST				100 M. I.M.				1:55.87	DAVID WARREN	GBR	2014
27.79	JEFF COMMINGS	USA	2009	56.36	GLENN COUNTS	USA	2012	1:55.88	DANIEL SERRA	ESP	2010
28.30	STEVE WEST	USA	2009	56.37	C.SORRENTINO	ITA	2010	1:56.06	CYRO DELGADO	BRA	2005
28.63	PER SVANBERG	SWE	2009	56.80	STEFAN HERBST	GER	2013	400 M. FREE			
28.75	RYOSUKE IMAI	JPN	2014	56.94	RON KARNAUGH	USA	2003	4:00.67	KAI DITZEL	GER	2004
28.75	RON KARNAUGH	USA	2002	56.98	JEFF COMMINGS	USA	2009	4:00.80	ALBERTO MONTINI	ITA	2009
28.77	WALLY DICKS	USA	1998	57.03	BEN HARKIN	GBR	2014	4:01.32	ERIK HOCHSTEIN	USA	2009
28.84	BEN HARKIN	GBR	2014	57.69	ISAMU TSUZUKI	JPN	2011	4:04.20	ERIC CHRISTENSEN	USA	2014
28.87	GERALD MORKEN	GER	1997	58.00	M.EROLI	ITA	2013	4:04.69	NICOLAS GRANGER	FRA	2010
28.88	IVAN AGIRRE	ESP	2013	58.03	BRIAN JACOBSON	USA	2008	4:05.30	F.SILVESTRI	ITA	2003
28.94	ALAN PESSOTTI	BRA	2008	58.18	DEREK GUFFEY	USA	2009	4:05.34	FABIO CALMASINI	ITA	2012
100 M. BRST				200 M. I.M.				4:06.30	PATRICK BRUNDAGE	USA	2009
1:01.18	RYOSUKE IMAI	JPN	2013	2:03.29	RON KARNAUGH	USA	2002	4:07.00	ALEJANDRO MORENO	MEX	2009
1:01.47	JEFF COMMINGS	USA	2009	2:04.89	DEREK GUFFEY	USA	2009	4:07.44	IGOR PIOVESAN	ITA	2014
1:01.63	STEVE WEST	USA	2009	2:05.28	M.EROLI	ITA	2013	800 M. FREE			
1:02.57	RON KARNAUGH	USA	2002	2:06.39	HIROYUKI KOSAKA	JPN	2011	8:21.78	ALEX KOSTICH	USA	2011
1:02.62	NICK GILLINGHAM	GBR	2004	2:06.88	BEN HARKIN	GBR	2014	8:25.08	ERIK HOCHSTEIN	USA	2009
1:02.79	WALLY DICKS	USA	2000	2:07.06	JEFF COMMINGS	USA	2009	8:27.03	ERIC CHRISTENSEN	USA	2014
1:03.00	A.VYSOTSKIY	RUS	2012	2:07.21	JIM HARVEY	USA	2001	8:28.16	ALEJANDRO MORENO	MEX	2009
1:03.25	BLAKE HOLDEN	USA	2014	2:07.31	UWE VOLK	GER	2009	8:28.23	DANIEL SERRA	ESP	2009
1:03.28	RYUTARO MORITA	JPN	2010	2:07.31	NICOLAS GRANGER	FRA	2004	8:31.69	KAI DITZEL	GER	2005
1:03.31	IVAN AGIRRE	ESP	2013	2:07.60	PETER BERMEL	GER	2002	8:31.86	MIKE SHAFFER	USA	2008
200 M. BRST				400 M. I.M.				8:33.16	F.SILVESTRI	ITA	2003
2:15.42	KAZUYA KOIKE	JPN	2014	4:24.36	RON KARNAUGH	USA	2003	8:33.19	MICHAEL KLEIBER	GER	2003
2:15.64	STEVE WEST	USA	2011	4:30.81	DEREK GUFFEY	USA	2009	8:33.40	FABIO CALMASINI	ITA	2012
2:16.49	NICK GILLINGHAM	GBR	2004	4:32.97	UWE VOLK	GER	2009	1500 M. FREE			
2:17.47	BLAKE HOLDEN	USA	2014	4:34.06	JEROME FRENTSOS	USA	2000	16:07.46	DANIEL SERRA	ESP	2009
2:17.96	RON KARNAUGH	USA	2002	4:36.48	ANTONINO TRIPPADO	ITA	2014	16:09.32	MIKE SHAFFER	USA	2009
2:18.62	HIROYUKI KOSAKA	JPN	2011	4:37.47	MARCEL RINZLER	USA	2006				



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16:19.00	ERIC CHRISTENSEN	USA	2014	2:15.95	ALBERTO MONTINI	ITA	2009	4:30.68	ERIC CHRISTENSEN	USA	2014
16:22.21	DINO SCHORN	ITA	2009	2:16.03	ROQUE SANTOS	USA	2009	4:31.92	UWE VOLK	GER	2011
16:23.60	IGOR PIOVESAN	ITA	2014	2:20.19	HAJIME MORIMOTO	JPN	2010	4:32.05	ROQUE SANTOS	USA	2008
16:23.95	F.SILVESTRI	ITA	2003	2:21.12	VLADIMIR BRAGIN	RUS	2011	4:33.90	ALBERTO MONTINI	ITA	2009
16:33.41	MARK THOMPSON	AUS	2011	2:22.89	ANDRE WRASSE	GER	2012	4:35.15	ERIK HOCHSTEIN	USA	2008
16:34.84	ALEX KOSTICH	USA	2010	2:24.17	YAMATO TAKAHASHI	JPN	2010	4:35.57	NICOLAS GRANGER	FRA	2007
16:36.21	ERIK HOCHSTEIN	USA	2009	2:24.57	UWE VOLK	GER	2010	4:37.02	DARIUSZ WOLNY	POL	2000
16:37.00	KAI DITZEL	GER	2005	2:24.58	MAKOTO ONODERA	JPN	2010	4:39.78	PATRICK BRUNDAGE	USA	2008
16:37.00	MICHAEL KLEIBER	GER	2003	2:25.23	DAISUKE MIYASAKA	JPN	2014	4:40.07	ISAMU TSUZUKI	JPN	2013
50 M. BACK				2:25.23	SHUJI AZUMA	JPN	2008	4:40.38	A.BORGIALLI	ITA	2014
25.53	MICHAEL ROSS	USA	2009	50 M. FLY				*****			
25.94	EDILSON JUNIOR	BRA	2012	24.14	LARS FROLANDER	SWE	2014	M E N 45-49			
26.56	CHRIS STEVENSON	USA	2008	24.72	EIJI NOMURA	JPN	2013	*****			
26.59	DANIEL LONNBERG	SWE	2014	24.91	MICHAEL ROSS	USA	2008	50 M. FREE			
26.59	GIUSEPPE TIANO	ITA	2009	24.99	MASATERU IKEDA	JPN	2012	23.54	VLADIMIR PREDKIN	RUS	2014
26.80	SHUJI AZUMA	JPN	2009	25.13	HARTMUT BERNER	GER	2005	23.65	MATTHEW BIONDI	USA	2012
27.05	JEFF WELECHUK	CAN	2014	25.29	JAN KARLSSON	SWE	2009	23.69	M.GIALDI	ITA	2014
27.09	JIRKA LETZIN	GER	2012	25.41	MIKE VAROZZA	USA	2009	23.80	FRITZ BEDFORD	USA	2009
27.10	MARTIN ZUBERO	USA	2012	25.43	ROBERTO TARRICONE	ITA	2004	23.88	METELLO SAVINO	ITA	2009
27.15	HARALD MAISCH	GER	2011	25.52	ISAMU TSUZUKI	JPN	2014	24.00	JOAKIM SJOHOLM	SWE	2008
100 M. BACK				25.53	MIKHAIL GROMOV	RUS	2014	24.01	NICOLAS GRANGER	FRA	2012
54.85	MICHAEL ROSS	USA	2008	100 M. FLY				24.02	BRENT BARNES	JPN	2006
55.90	CHRIS STEVENSON	USA	2008	53.81	LARS FROLANDER	SWE	2014	24.09	DAVID SIMS	USA	2011
57.66	ERIC ERICSON	USA	2002	54.98	EIJI NOMURA	JPN	2014	24.09	V.GALAVTINE	RUS	1998
57.73	GIUSEPPE TIANO	ITA	2009	55.82	MICHAEL ROSS	USA	2008	100 M. FREE			
57.80	JEFF WELECHUK	CAN	2011	55.97	ISAMU TSUZUKI	JPN	2013	51.30	NICOLAS GRANGER	FRA	2012
58.06	JEFF COMMINGS	USA	2014	56.18	WILLIAM SPECHT	USA	1998	52.54	PAUL SMITH	USA	2007
58.23	EDILSON JUNIOR	BRA	2012	56.31	MASATERU IKEDA	JPN	2012	52.55	VLADIMIR PREDKIN	RUS	2014
58.28	J CLAY BRITT	USA	2003	56.50	JIM HARVEY	USA	2007	52.90	MARK REYNOLDS	GBR	2009
58.65	MARTIN ZUBERO	USA	2012	56.62	MIKE VAROZZA	USA	2009	52.92	KAI DITZEL	GER	2008
58.79	DANIEL LONNBERG	SWE	2014	56.62	HARTMUT BERNER	GER	2005	52.93	DAVID SIMS	USA	2011
200 M. BACK				56.64	ALBERTO MONTINI	ITA	2009	53.04	MARCO COLOMBO	ITA	2005
2:03.84	MICHAEL ROSS	USA	2008	200 M. FLY				53.21	FRITZ BEDFORD	USA	2009
2:04.96	CHRIS STEVENSON	USA	2008	2:02.97	WILLIAM SPECHT	USA	1998	53.49	TOMMY RUNDGREN	FIN	2014
2:06.66	MARK VOGEL	DEN	2010	2:04.42	EIJI NOMURA	JPN	2012	53.54	M.GIALDI	ITA	2014
2:07.16	NICOLAS GRANGER	FRA	2010	2:05.72	TOSHIYUKI IBE	JPN	2010	200 M. FREE			
2:07.78	JEFF WELECHUK	CAN	2011	2:05.96	ISAMU TSUZUKI	JPN	2014	1:52.87	NICOLAS GRANGER	FRA	2012
2:08.22	Y.NAKAHARA	JPN	2010	2:06.06	UWE VOLK	GER	2010	1:54.73	KAI DITZEL	GER	2008
2:08.26	ERIC ERICSON	USA	2002	2:06.48	DENNIS BAKER	USA	2005	1:55.88	FABIO CALMASINI	ITA	2013
2:08.34	ERIC CHRISTENSEN	USA	2014	2:06.68	DAVID WARREN	GBR	2014	1:56.00	PAUL SMITH	USA	2007
2:09.24	MARTIN ZUBERO	USA	2012	2:07.03	MIKE SHAFFER	USA	2008	1:56.26	MARCUS MATTIOLI	BRA	2009
2:09.30	DEKE BOTSFORD	CAN	2010	2:08.46	JAMES BELARDI	USA	1997	1:56.62	KEITH SWITZER	USA	2009
50 M. BRST				2:09.08	ALBERTO MONTINI	ITA	2008	1:56.93	MARCO COLOMBO	ITA	2008
28.52	JEFF COMMINGS	USA	2014	100 M. I.M.				1:57.28	ALBERTO MONTINI	ITA	2013
28.52	STEVE WEST	USA	2014	57.19	JEFF COMMINGS	USA	2014	1:57.64	MARK REYNOLDS	GBR	2009
28.76	ALBERTO MONTINI	ITA	2010	57.39	ALBERTO MONTINI	ITA	2010	1:58.39	DINO SCHORN	ITA	2014
28.89	YOZO FUJII	JPN	2009	57.71	MICHAEL ROSS	USA	2008	400 M. FREE			
28.90	VLADIMIR BRAGIN	RUS	2011	58.30	ISAMU TSUZUKI	JPN	2013	4:05.10	FABIO CALMASINI	ITA	2013
28.98	HIDEAKI TOGO	JPN	2013	58.94	ROQUE SANTOS	USA	2008	4:05.90	KAI DITZEL	GER	2008
29.02	ANDREA AGOSTINONE	ITA	2010	58.98	ERIK HOCHSTEIN	USA	2008	4:08.93	MARCUS MATTIOLI	BRA	2005
29.08	HAROLD MATLA	NED	2009	59.07	BRIAN JACOBSON	USA	2013	4:09.19	KEITH SWITZER	USA	2009
29.16	ALAN PESSOTTI	BRA	2014	59.25	KAZUHIKO YAMAKAWA	JPN	2010	4:10.25	NICOLAS GRANGER	FRA	2014
29.17	RICO ROLLI	ITA	2009	59.25	SHUJI AZUMA	JPN	2009	4:11.02	MARCO COLOMBO	ITA	2007
100 M. BRST				59.33	STEVE WEST	USA	2013	4:12.75	ALBERTO MONTINI	ITA	2014
1:01.42	STEVE WEST	USA	2014	200 M. I.M.				4:13.42	LUDEK BURIAN	CZE	2009
1:02.28	JEFF COMMINGS	USA	2014	2:05.46	ROQUE SANTOS	USA	2009	4:14.73	JIM MCCONICA	USA	1999
1:02.42	ALBERTO MONTINI	ITA	2009	2:06.97	NICOLAS GRANGER	FRA	2010	4:14.96	MIKE SHAFFER	USA	2011
1:03.08	VLADISLAV BRAGIN	RUS	2011	2:07.71	ERIK HOCHSTEIN	USA	2008	800 M. FREE			
1:03.33	ROQUE SANTOS	USA	2009	2:07.88	UWE VOLK	GER	2010	8:39.84	MICHAEL PRUFERT	GER	2009
1:03.36	YOZO FUJII	JPN	2010	2:07.96	PETER BERMEI	GER	2007	8:41.60	RICARDO VALDIVIA	USA	2013
1:04.49	FABIO MARUSSIG	ITA	2010	2:08.13	ALBERTO MONTINI	ITA	2009	8:42.76	KAI DITZEL	GER	2008
1:04.50	MAKOTO ONODERA	JPN	2010	2:08.37	ERIC CHRISTENSEN	USA	2014	8:42.85	KEITH SWITZER	USA	2010
1:04.53	RICO ROLLI	ITA	2009	2:08.54	JEFF COMMINGS	USA	2014	8:46.79	MICHAEL KLEIBER	GER	2008
1:04.63	SHUJI AZUMA	JPN	2009	2:09.46	LORENZO BENUCCI	USA	2008	8:49.03	MICHAEL SCHMIDT	USA	2008
200 M. BRST				2:09.65	ISAMU TSUZUKI	JPN	2014	8:50.30	MARCO COLOMBO	ITA	2008
2:13.72	STEVE WEST	USA	2014	400 M. I.M.							



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8:52.28	GREG STREPPPEL	CAN	2014	1:05.48	DAVID GUTHRIE	USA	2009	2:13.42	GLENN MILLS	USA	2008
8:52.40	GERRY RODRIGUES	USA	2007	1:05.74	GLENN MILLS	USA	2008	2:13.67	FABIO CALMASINI	ITA	2013
8:52.62	B.BORDONALI	ITA	2008	1:05.80	ALBERTO MONTINI	ITA	2013	2:14.17	CHRIS WEISSMAN	USA	2009
1500 M. FREE				200 M. BRST				400 M. I.M.			
16:20.60	FABIO CALMASINI	ITA	2014	2:20.41	ALBERTO MONTINI	ITA	2013	4:31.36	NICOLAS GRANGER	FRA	2012
16:28.63	MICHAEL KLEIBER	GER	2008	2:21.92	HAJIME MORIMOTO	JPN	2013	4:39.19	ALBERTO MONTINI	ITA	2013
16:37.25	KEITH SWITZER	USA	2011	2:22.68	GLENN MILLS	USA	2008	4:42.15	TAIHEI SAKA	JPN	2009
16:43.02	MARCUS MATTIOLI	BRA	2006	2:23.74	DAVID GUTHRIE	USA	2009	4:43.58	FABIO CALMASINI	ITA	2013
16:51.21	JIM MCCONICA	USA	1999	2:25.62	RICO ROLLI	ITA	2011	4:43.64	JEROME FRENTSOS	USA	2010
16:52.13	B.BORDONALI	ITA	2007	2:25.80	SHUJI AZUMA	JPN	2012	4:44.28	MARCUS MATTIOLI	BRA	2009
16:52.24	MIKE SHAFFER	USA	2010	2:26.24	MAKOTO ONODERA	JPN	2012	4:46.48	PATRICK BRUNDAGE	USA	2013
16:54.69	GERRY RODRIGUES	USA	2008	2:27.76	NEWTON KAMINSKI	BRA	2010	4:46.48	MARCO TENDERINI	ITA	2012
16:56.31	MARK DRENNEN	USA	2004	2:28.37	THOMAS LIGL	GER	2009	4:46.68	CHRIS STEVENSON	USA	2009
16:56.54	GREG STREPPPEL	CAN	2014	2:28.74	J.MELLADO	FRA	2009	4:47.13	RICARDO VALDIVIA	USA	2013
50 M. BACK				50 M. FLY				*****			
27.02	CHRIS STEVENSON	USA	2009	25.58	JAN KARLSSON	SWE	2013	M E N 50-54			
27.03	MICHAEL ROSS	USA	2014	25.74	FRITZ BEDFORD	USA	2009	*****			
27.08	HIROYOSHI MAETOGE	JPN	2010	25.78	CHRIS STEVENSON	USA	2009	50 M. FREE			
27.20	ANDERS RASMUSSEN	USA	2008	25.80	MATTHEW BIONDI	USA	2012	23.38	ROWDY GAINES	USA	2009
27.24	J CLAY BRITT	USA	2006	25.82	PAUL SMITH	USA	2007	23.96	BRENT BARNES	JPN	2010
27.35	FRITZ BEDFORD	USA	2009	25.84	PAUL CARTER	USA	2003	24.26	PAUL TREVISAN	USA	2003
27.45	CRAIG NORREY	GBR	2009	25.86	VLADIMIR PREDKIN	RUS	2014	24.74	DMITRI KHODKO	SWE	2009
27.59	NICOLAS GRANGER	FRA	2012	25.96	STEVE HILTABIDDLE	USA	2011	24.74	V.GALAVTINE	FRA	2003
27.65	SHUJI AZUMA	JPN	2013	25.99	ANDERS RASMUSSEN	USA	2008	24.77	PAUL SMITH	USA	2009
27.94	PASCAL COLONGUE	FRA	2014	26.02	KAZUHIKO YAMAKAWA	JPN	2014	24.78	FRITZ BEDFORD	USA	2014
100 M. BACK				100 M. FLY				24.80	DAN THOMPSON	CAN	2009
57.00	CHRIS STEVENSON	USA	2009	56.66	NICOLAS GRANGER	FRA	2014	24.86	PHILIPPE MORELLE	BEL	2006
58.20	HIROYOSHI MAETOGE	JPN	2010	56.78	DEKE BOTSFORD	CAN	2012	24.87	RICHARD KAMMERER	USA	2009
58.45	NICOLAS GRANGER	FRA	2013	57.17	PAUL CARTER	USA	2003	100 M. FREE			
58.48	J CLAY BRITT	USA	2006	57.37	CHRIS STEVENSON	USA	2010	51.61	ROWDY GAINES	USA	2009
58.75	FELIPE BARRETO	MEX	2009	58.02	PAUL SMITH	USA	2007	53.87	BOB BUGG	USA	2009
58.89	ANDERS RASMUSSEN	USA	2008	58.03	ANDERS RASMUSSEN	USA	2009	54.29	BRENT BARNES	JPN	2009
59.17	EDWIN VAN NORDEN	NED	2009	58.10	WILLIAM SPECHT	USA	2004	54.40	RICHARD KAMMERER	USA	2009
59.68	MICHAEL ROSS	USA	2014	58.29	MARCEL EKKELBOOM	GER	2009	54.55	FRITZ BEDFORD	USA	2014
59.86	FRITZ BEDFORD	USA	2011	58.30	HIROSHI MIURA	JPN	2012	54.61	PAUL TREVISAN	USA	2003
59.91	JAY YARID	USA	2008	58.35	DENNIS BAKER	USA	2006	54.73	DMITRI KHODKO	SWE	2009
200 M. BACK				200 M. FLY				54.74	MICHAEL GREEN	USA	2014
2:05.54	CHRIS STEVENSON	USA	2009	2:06.40	DENNIS BAKER	USA	2006	55.17	MARK REYNOLDS	GBR	2013
2:06.66	NICOLAS GRANGER	FRA	2012	2:09.06	WILLIAM SPECHT	USA	2003	55.34	EDGARS OZOLINSH	LAT	2012
2:10.43	JAY YARID	USA	2008	2:09.58	MARCUS MATTIOLI	BRA	2006	200 M. FREE			
2:11.22	TAIHEI SAKA	JPN	2009	2:09.65	CHRIS STEVENSON	USA	2009	1:54.61	ROWDY GAINES	USA	2011
2:12.10	WIESLAW MUSIAL	CAN	2003	2:09.92	ALBERTO MONTINI	ITA	2013	1:56.75	BOB BUGG	USA	2009
2:12.47	ROSS DAVIS	USA	2011	2:10.12	MIKE SHAFFER	USA	2012	1:57.37	DAVID SIMS	USA	2014
2:12.87	EDWIN VAN NORDEN	NED	2008	2:10.72	DEKE BOTSFORD	CAN	2012	1:58.37	JIM MCCONICA	USA	2000
2:13.09	LEN GUSHE	CAN	2008	2:10.95	TAIHEI SAKA	JPN	2011	2:00.31	PAUL SMITH	USA	2009
2:13.30	KURT DICKSON	USA	2013	2:11.66	FABIO CALMASINI	ITA	2014	2:00.87	MARCUS MATTIOLI	BRA	2014
2:13.36	FRITZ LEHMAN	USA	2003	2:11.66	KAI DITZEL	GER	2008	2:01.56	EDGARS OZOLINSH	LAT	2012
50 M. BRST				100 M. I.M.				2:02.44	ROBERTO BRUNORI	ITA	2014
28.87	RICO ROLLI	ITA	2010	57.68	NICOLAS GRANGER	FRA	2012	2:02.63	MARK REYNOLDS	GBR	2013
28.88	TODD TORRES	USA	2013	59.71	VLADIMIR PREDKIN	RUS	2014	2:02.72	RAFAEL SEGARRA	PUR	2014
29.18	YOZO FUJII	JPN	2014	1:00.13	EDWIN VAN NORDEN	NED	2009	400 M. FREE			
29.85	CHRIS WEISSMAN	USA	2009	1:00.14	ANDERS RASMUSSEN	USA	2009	4:07.99	JIM MCCONICA	USA	2000
30.02	MAKOTO ONODERA	JPN	2014	1:00.21	ALBERTO MONTINI	ITA	2013	4:12.12	BOB BUGG	USA	2009
30.06	WALLY DICKS	USA	2009	1:00.29	MARCO COLOMBO	ITA	2006	4:13.01	MARCUS MATTIOLI	BRA	2011
30.13	GLEN CHRISTIANSEN	SWE	2002	1:00.44	JEROME FRENTSOS	USA	2010	4:17.25	ANDREW BRAY	USA	2011
30.14	HAJIME MORIMOTO	JPN	2014	1:00.46	KAZUHIKO YAMAKAWA	JPN	2014	4:18.96	MARK DRENNEN	USA	2006
30.21	DAVID GUTHRIE	USA	2008	1:00.46	ALEX BAUMANN	CAN	2009	4:20.48	MICHAEL PRUFERT	GER	2014
30.22	F.SPINADIN	ITA	2014	1:00.48	DEKE BOTSFORD	CAN	2014	4:21.00	MICHAEL KLEIBER	GER	2013
100 M. BRST				200 M. I.M.				4:21.05	LEN GUSHE	CAN	2013
1:04.03	NICOLAS GRANGER	FRA	2014	2:04.64	NICOLAS GRANGER	FRA	2012	4:21.85	FRANCIS CHRISTIAN	AUS	2008
1:04.39	TODD TORRES	USA	2013	2:09.71	JEROME FRENTSOS	USA	2010	4:22.11	JOSE FREITAS	POR	2013
1:04.62	RICO ROLLI	ITA	2011	2:10.49	TAIHEI SAKA	JPN	2009	800 M. FREE			
1:04.69	CHRIS WEISSMAN	USA	2009	2:11.28	ANDERS RASMUSSEN	USA	2009	8:44.51	JIM MCCONICA	USA	2000
1:04.76	HAJIME MORIMOTO	JPN	2014	2:11.84	ALBERTO MONTINI	ITA	2013	8:49.96	ANDREW BRAY	USA	2011
1:04.80	YOZO FUJII	JPN	2013	2:11.92	EDWIN VAN NORDEN	NED	2009	8:53.48	MARK DRENNEN	USA	2006
1:05.09	MAKOTO ONODERA	JPN	2013	2:12.01	ALEX BAUMANN	CAN	2009				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

8:57.67	MICHAEL KLEIBER	GER	2013	1:08.95	GARY PATTERSON	USA	2009	2:15.16	TAIHEI SAKA	JPN	2014
9:04.68	FRANCIS CHRISTIAN	AUS	2008	1:08.97	RONNY OLTNER	SWE	2007	2:16.09	DAVE TOWN	CAN	2012
9:08.38	MICHAEL PRUFERT	GER	2014	1:09.38	TADASHI FUJIMOTO	JPN	2014	2:16.73	MARCUS MATTIOLI	BRA	2011
9:08.43	LEN GUSHE	CAN	2013	1:09.40	G.HOFFMANN	USA	2009	2:17.48	PAUL CARTER	USA	2007
9:08.53	AMALDO PEREZ	PUR	2013	1:09.49	HAKAN PERSSON	SWE	2013	2:17.78	RAFAEL SEGARRA	PUR	2014
9:10.06	K.DELLBRUGGE	GER	2012	1:09.55	THOMAS LIGL	GER	2012	2:18.11	EDWIN VAN NORDEN	NED	2014
9:10.24	JOSE FREITAS	POR	2014	1:09.69	CARSTEN STEFFENS	GER	2014	2:18.23	G.FRANCESCHI	ITA	2013
1500 M. FREE				200 M. BRST				400 M. I.M.			
16:33.02	JIM MCCONICA	USA	2000	2:21.65	DAVID GUTHRIE	USA	2013	4:48.02	MARCUS MATTIOLI	BRA	2011
16:52.78	ANDREW BRAY	USA	2011	2:32.04	C.COENEY	USA	2013	4:49.34	TAIHEI SAKA	JPN	2014
16:57.60	MICHAEL KLEIBER	GER	2013	2:32.06	LINCOLN DJANG	USA	2009	4:49.49	DAVID SIMS	USA	2014
17:03.45	MARCUS MATTIOLI	BRA	2011	2:32.46	TAIHEI SAKA	JPN	2014	4:51.57	JAMIE FOWLER	USA	2009
17:14.75	MARK DRENNEN	USA	2007	2:32.78	BENN DOYLE	USA	2008	4:53.73	RAFAEL SEGARRA	PUR	2014
17:23.17	AMALDO PEREZ	PUR	2013	2:33.38	G.HOFFMANN	USA	2009	4:54.69	LEN GUSHE	CAN	2013
17:28.83	JOSE FREITAS	POR	2013	2:33.71	LORENZO MARUGO	ITA	2004	4:55.39	DENNIS BAKER	USA	2012
17:32.20	JIM CLEMMONS	USA	2001	2:33.97	DANIEL PHILLIPS	USA	2014	4:55.50	LINCOLN DJANG	USA	2009
17:32.74	DENNIS BAKER	USA	2012	2:34.71	ROBERT STRAND	USA	1996	4:56.16	A.TIBERTI	ITA	2013
17:33.73	FRANCIS CHRISTIAN	AUS	2008	2:34.74	THOMAS LIGL	GER	2012	4:57.52	LORENZO MARUGO	ITA	2004
50 M. BACK				50 M. FLY				*****			
27.28	FRITZ BEDFORD	USA	2014	25.49	DAN THOMPSON	CAN	2009	M E N 55-59			
27.66	CRAIG NORREY	SUI	2011	26.04	FRITZ BEDFORD	USA	2014	*****			
27.71	STEVE WOOD	USA	2011	26.12	PAUL CARTER	USA	2007	50 M. FREE			
28.37	JAMIE FOWLER	USA	2009	26.20	PAUL SMITH	USA	2009	24.70	PAUL TREVISAN	USA	2006
28.40	MARCO COLOMBO	ITA	2010	26.45	WILLIAM SPECHT	USA	2009	24.91	JACK GROSELLE	USA	2009
28.67	HIROSHI SHIBUYA	JPN	2010	26.78	FRITZ HOMANS	USA	2008	25.00	RICH ABRAHAMS	USA	2001
28.69	GIANNI BERTOLI	ITA	2010	26.79	GREG SHAW	USA	2003	25.02	BRENT BARNES	JPN	2013
28.75	CLAY BRITT	USA	2011	26.83	DAVID SIMS	USA	2013	25.25	DAN THOMPSON	CAN	2013
28.85	MARIO LLORET	ESP	2009	26.94	ISAMU SHIBAZAKI	JPN	2010	25.38	MIKE TENNANT	USA	2009
28.96	V.GALAVTINE	FRA	2004	26.96	MARIO LLORET	ESP	2009	25.42	BARRY ROTH	USA	2009
100 M. BACK				100 M. FLY				25.43	BRUCE KONE	USA	2014
59.91	FRITZ BEDFORD	USA	2013	57.29	PAUL CARTER	USA	2007	25.44	AMBROSE GAINES	USA	2014
59.92	STEVE WOOD	USA	2011	58.30	DAVID SIMS	USA	2012	25.55	STEVE BOROWSKI	USA	2002
1:00.38	JAMIE FOWLER	USA	2009	58.76	MARIO LLORET	ESP	2009	100 M. FREE			
1:01.47	EDWIN VAN NORDEN	NED	2014	59.25	WILLIAM SPECHT	USA	2009	54.50	JACK GROSELLE	USA	2009
1:01.48	TOM WOLF	USA	2004	59.39	DAN THOMPSON	CAN	2009	55.12	PAUL TREVISAN	USA	2006
1:01.86	WIESLAW MUSIAL	CAN	2009	59.71	FRITZ BEDFORD	USA	2014	56.18	BRENT BARNES	JPN	2014
1:01.89	MARIO LLORET	ESP	2009	59.91	HUGO BREGMAN	NED	2008	56.29	CHARLES LEMAISTRE	USA	2009
1:01.90	CRAIG NORREY	SUI	2011	1:00.03	TAIHEI SAKA	JPN	2014	56.51	RICH ABRAHAMS	USA	2001
1:01.92	GIANNI BERTOLI	ITA	2009	1:00.08	JORGE FARIA	POR	2014	56.74	STEVE BOROWSKI	USA	2002
1:01.99	CLAY BRITT	USA	2011	1:00.08	JOHN MCCALL	USA	2003	56.98	EDGARS OZOLINSH	LAT	2014
200 M. BACK				200 M. FLY				57.19	RICK ABBOTT	USA	2010
2:11.84	JAMIE FOWLER	USA	2009	2:11.15	MARCUS MATTIOLI	BRA	2014	57.28	PHIL DODSON	USA	2009
2:13.05	WIESLAW MUSIAL	CAN	2009	2:11.70	DAVID SIMS	USA	2012	57.29	DAN THOMPSON	CAN	2013
2:14.03	TOM WOLF	USA	2004	2:12.41	DENNIS BAKER	USA	2011	200 M. FREE			
2:14.34	LEN GUSHE	CAN	2013	2:12.54	WILLIAM SPECHT	USA	2009	1:59.08	MICHAEL MANN	USA	2009
2:15.10	SCOTT SHAKE	USA	2008	2:12.90	HUGO BREGMAN	NED	2010	2:03.40	S.D'ALESSANDRO	ITA	1995
2:15.75	RAFAEL SEGARRA	PUR	2014	2:18.02	SCOTT LAUTMAN	USA	2004	2:03.56	JACK GROSELLE	USA	2009
2:15.90	FRITZ BEDFORD	USA	2013	2:18.56	LEN GUSHE	CAN	2013	2:03.64	JAMES MCCONICA	USA	2005
2:16.23	EDWIN VAN NORDEN	NED	2014	2:18.84	A.TIBERTI	ITA	2013	2:04.97	JAMES RITTER	USA	2013
2:16.60	GIANNI BERTOLI	ITA	2009	2:18.88	JOHN CRAIG	USA	2004	2:05.07	MARTEN DE GROOT	NED	2014
2:19.30	STANLEY VELA	GBR	2012	2:19.51	FRANCIS CHRISTIAN	AUS	2007	2:06.20	TOD SPIEKER	USA	2003
50 M. BRST				100 M. I.M.				2:06.24	DAN STEPHENSON	USA	2012
29.84	DAVID GUTHRIE	USA	2013	1:00.96	DAVID SIMS	USA	2012	2:06.83	PHIL DODSON	USA	2009
30.69	STUART MOFFATT	AUS	2013	1:01.21	EDWIN VAN NORDEN	NED	2014	2:06.94	TIM BIRNIE	USA	2000
30.76	JENS LUTSCHIN	GER	2014	1:01.29	JAMIE FOWLER	USA	2009	400 M. FREE			
30.91	GLEN CHRISTIANSEN	SWE	2009	1:01.54	PAUL SMITH	USA	2009	4:16.03	MICHAEL MANN	USA	2009
31.06	RONNY OLTNER	SWE	2007	1:01.68	ANDERS RASMUSSEN	USA	2013	4:24.92	JIM MCCONICA	USA	2006
31.08	BENN DOYLE	USA	2008	1:02.02	FRITZ BEDFORD	USA	2014	4:28.73	TOD SPIEKER	USA	2003
31.10	GARY PATTERSON	USA	2009	1:02.25	DAVID GUTHRIE	USA	2013	4:28.97	J.CHATARD	FRA	2006
31.14	ANDREA FLORIT	ITA	2010	1:02.27	MARIO LLORET	ESP	2009	4:30.73	MARTEN DE GROOT	NED	2014
31.22	MARK SCHREMMER	USA	2009	1:02.51	KEN SHILLING	USA	2008	4:31.62	PAUL BLACKBEARD	AUS	2014
31.23	TADASHI FUJIMOTO	JPN	2013	1:02.68	G.FRANCESCHI	ITA	2013	4:31.95	STEVEN PRESCOTT	NZL	2009
100 M. BRST				200 M. I.M.				4:32.83	TIM BIRNIE	USA	2000
1:04.54	DAVID GUTHRIE	USA	2013	2:13.40	JAMIE FOWLER	USA	2009	4:32.85	LARRY WOOD	USA	2009
1:08.27	BENN DOYLE	USA	2008	2:13.50	DAVID SIMS	USA	2014	4:33.06	DAN STEPHENSON	USA	2012
1:08.56	GLEN CHRISTIANSEN	SWE	2009	2:14.53	KEN SHILLING	USA	2008				



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800 M. FREE			100 M. BRST			200 M. I.M.		
8:51.34	MICHAEL MANN	USA 2009	1:08.13	WALTER KUSCH	GER 2009	2:16.44	MICHAEL MANN	USA 2009
9:03.00	JIM MCCONICA	USA 2006	1:09.93	TIMOTHY SHEAD	USA 2009	2:18.69	JAMIE FOWLER	USA 2014
9:07.40	G.SCARAMEL	ITA 2008	1:10.56	G.HOFFMANN	USA 2011	2:21.00	JIM SAUER	USA 2012
9:13.15	TOD SPIEKER	USA 2003	1:11.26	OLIVIER BORIOS	FRA 2014	2:21.05	GREG SHAW	USA 2006
9:23.27	MARTEN DE GROOT	NED 2014	1:11.53	ROBERT STRAND	USA 2001	2:23.49	ROBERT WEYHENKE	NED 2007
9:25.93	JIM CLEMMONS	USA 2008	1:11.67	TIMUR PODMARYOV	RUS 2012	2:23.60	PHILIPP DJANG	USA 2009
9:26.04	R SCOTT TOWNSEND	USA 2009	1:12.01	RALPH SCHALLON	SUI 2009	2:24.59	JACK GROSELLE	USA 2012
9:26.87	GLENN CARLSEN	CAN 2012	1:12.54	MICHAEL MANN	USA 2009	2:24.64	TIM SHEAD	RSA 2007
9:27.18	SERGE GUERIN	FRA 2011	1:12.57	SERGEY MOLODIN	RUS 2014	2:24.85	G.HOFFMANN	USA 2011
9:29.45	MARC JOUANDON	FRA 2013	1:12.59	HIROFUMI MORIMOTO	JPN 2010	2:25.63	JIM CLEMMONS	USA 2008
1500 M. FREE			200 M. BRST			400 M. I.M.		
17:14.15	JAMES MCCONICA	USA 2005	2:33.79	TIMOTHY SHEAD	USA 2009	4:51.97	MICHAEL MANN	USA 2009
17:35.21	TOD SPIEKER	USA 2003	2:35.73	G.HOFFMANN	USA 2012	5:00.54	JIM SAUER	USA 2012
17:56.15	J.CHATARD	FRA 2006	2:36.10	TIMUR PODMARYOV	RUS 2012	5:05.40	LORENZO MARUGO	ITA 2007
17:58.95	STEVEN PRESCOTT	NZL 2009	2:36.90	RALPH SCHALLON	SUI 2009	5:07.99	HUGO BREGMAN	NED 2013
18:02.40	JIM CLEMMONS	USA 2005	2:37.93	PATRICK ALLENDER	USA 2013	5:08.15	JAMES MCCONICA	USA 2005
18:04.07	MARC JOUANDON	FRA 2012	2:38.76	ROBERT STRAND	USA 2001	5:11.49	GREG SHAW	USA 2007
18:10.34	GLENN CARLSEN	CAN 2012	2:39.45	BENN DOYLE	USA 2013	5:13.29	R TOD SPIEKER	USA 2003
18:12.52	MARTEN DE GROOT	NED 2014	2:40.52	ROBERT WEYHENKE	NED 2007	5:13.35	JIM CLEMMONS	USA 2008
18:13.36	LARRY WOOD	USA 2009	2:40.84	MICHAEL HAMM	USA 2012	5:14.85	JACK GROSELLE	USA 2012
18:14.38	WILLIAM PENN	USA 2009	2:41.91	GLEN CHRISTIANSEN	SWE 2012	5:19.85	GLENN CARLSEN	CAN 2012
50 M. BACK			50 M. FLY			*****		
29.01	TOM BARTON	USA 2012	26.45	DAN THOMPSON	CAN 2013	M E N 60-64		
29.07	PHILIPP DJANG	USA 2009	26.92	BRUCE KONE	USA 2014	*****		
29.09	JAMIE FOWLER	USA 2014	26.93	GREG SHAW	USA 2009	50 M. FREE		
29.41	ALISTAIR COCKBURN	USA 2008	27.16	PAUL CARTER	USA 2014	24.90	RICH ABRAHAMS	USA 2006
29.62	MARIO LLORET	ESP 2012	27.21	STEVE BOROWSKI	USA 2002	25.40	PAUL TREVISAN	USA 2012
29.88	JONATHAN KLEIN	USA 2014	27.35	HUGO BREGMAN	NED 2013	25.58	DOUG MARTIN	USA 2013
29.96	BRUCE KONE	USA 2014	27.58	KEVIN MCCORMACK	USA 2008	25.59	JACK GROSELLE	USA 2014
30.15	CASEY CLAFLIN	USA 2008	27.74	RICH ABRAHAMS	USA 2001	25.87	MARC MIDDLETON	USA 2012
30.21	TAKEO HIRAMOTO	JPN 2009	27.76	DONALD GRAHAM	USA 2009	26.18	BRUCE WILLIAMS	USA 2014
30.25	HUGH WILDER	USA 2003	27.94	JEAN-MARIE CADIAT	BEL 2009	26.18	RAGNAR JENSEN	NOR 2008
100 M. BACK			100 M. FLY			26.25	DAVID CHANEY	GBR 2013
1:02.38	JAMIE FOWLER	USA 2014	59.80	DAN THOMPSON	CAN 2013	26.31	JEFF FARRELL	USA 2000
1:03.29	TOM BARTON	USA 2011	1:00.35	GREG SHAW	USA 2006	26.40	LEONARD BIELICZ	SWE 2012
1:03.75	PHILIPP DJANG	USA 2009	1:00.58	HUGO BREGMAN	NED 2013	100 M. FREE		
1:04.89	TIM BIRNIE	USA 2000	1:00.98	PAUL CARTER	USA 2014	55.87	JACK GROSELLE	USA 2014
1:04.91	JONATHAN KLEIN	USA 2012	1:02.13	STEVEN WALL	GBR 2009	56.63	RICH ABRAHAMS	USA 2008
1:04.97	MARIO LLORET	ESP 2012	1:02.64	JIM SAUER	USA 2012	57.61	PAUL TREVISAN	USA 2012
1:05.53	JIM ADAMS	IRL 2007	1:02.74	KEVIN MCCORMACK	USA 2009	57.77	BRUCE WILLIAMS	USA 2014
1:05.56	HUGH WILDER	USA 2002	1:02.74	STEVE BOROWSKI	USA 2002	58.87	BRYAN BATEMAN	USA 2008
1:05.72	ANDRE STEYNBERG	RSA 2012	1:03.08	JOHN CRAIG	USA 2009	58.97	LARRY KRAUSER	USA 2013
1:06.04	WIESLAW MUSIAL	CAN 2012	1:03.23	JEAN-MARIE CADIAT	BEL 2009	59.47	LEONARD BIELICZ	SWE 2011
200 M. BACK			200 M. FLY			59.74	TERRY DOWNES	RSA 2009
2:15.79	JAMIE FOWLER	USA 2014	2:15.97	HUGO BREGMAN	NED 2013	59.76	GLENN GRUBER	USA 2009
2:17.04	TOM BARTON	USA 2011	2:19.72	JOHN CRAIG	USA 2009	59.77	ABED OUADAH	FRA 2012
2:19.42	PHILIPP DJANG	USA 2009	2:21.90	GREG SHAW	USA 2007	200 M. FREE		
2:20.59	JAMES MCCONICA	USA 2005	2:22.13	JAMES MCCONICA	USA 2005	2:05.07	JACK GROSELLE	USA 2014
2:21.80	TOD SPIEKER	USA 2003	2:22.73	FRED SCHLICHER	USA 2003	2:07.96	LARRY KRAUSER	USA 2013
2:22.01	WIESLAW MUSIAL	CAN 2013	2:23.09	JIM SAUER	USA 2013	2:09.50	JIM MC CONICA	USA 2010
2:22.25	JIM ADAMS	NED 2006	2:25.34	SEIICHI YARITA	JPN 2012	2:10.04	FRED SCHLICHER	USA 2008
2:24.72	TIM BIRNIE	USA 2000	2:25.95	SCOTT LAUTMAN	USA 2008	2:11.78	DUNCAN MCCREADIE	GBR 2006
2:25.81	FRED FERROGGIARO	USA 2008	2:26.26	DAVID VANDAM	USA 2010	2:12.14	BERT VOSBERGEN	AUS 2008
2:26.41	ROBERT SUPPLE	USA 2010	2:27.48	FRANCIS CHRISTIAN	AUS 2013	2:12.18	JOHN CALVERT	USA 2005
50 M. BRST			100 M. I.M.			2:12.59	JAMES THORNTON	USA 2012
30.50	WALTER KUSCH	GER 2009	1:03.14	JAMIE FOWLER	USA 2014	2:12.62	DIEGO ROJAS	ESP 2013
31.65	OLIVIER BORIOS	FRA 2014	1:03.48	TIMOTHY SHEAD	USA 2009	2:13.45	AKIRA IIDA	JPN 2014
31.82	TIMOTHY SHEAD	USA 2009	1:03.69	GREG SHAW	USA 2008	400 M. FREE		
31.84	PATRICIO GOMEZ	ESP 2013	1:04.31	BRUCE KONE	USA 2014	4:35.15	JACK GROSELLE	USA 2014
32.06	G.HOFFMANN	USA 2011	1:04.34	ROBERT WEYHENKE	NED 2007	4:35.39	JIM MC CONICA	USA 2012
32.17	STUART ELLICOTT	AUS 2009	1:05.29	PAUL CARTER	USA 2014	4:40.45	DUNCAN MCCREADIE	GBR 2006
32.18	ROBERT STRAND	USA 2001	1:05.51	CHARLES LEMAISTRE	USA 2009	4:42.39	JIM CLEMMONS	USA 2010
32.33	BRUCE KONE	USA 2014	1:05.70	IGOR KRAVKOV	ISR 2013	4:43.69	JOHN CALVERT	USA 2005
32.38	ANDY DYER	USA 2013	1:05.76	PHILIPP DJANG	USA 2009	4:45.97	LARRY KRAUSER	USA 2013
32.44	ALEXANDER MILLS	NOR 2006	1:06.09	ALISTAIR COCKBURN	USA 2008			



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4:46.02	AKIRA IIDA	JPN	2014	33.67	STUART WATERBURY	USA	2014	1:07.80	GEORGE SCHMIDT	USA	2010
4:46.14	J.CHATARD	FRA	2013	33.71	PETER ANDERSEN	USA	2003	1:07.88	BRYAN BATEMAN	USA	2008
4:47.16	JEAN LESTIDEAU	FRA	2007	33.80	TOSHIHARU FUJII	JPN	2011	1:07.98	ROBERT STRAND	USA	2009
4:47.93	SANDY GALLETLY	GBR	2002	33.81	PETER HAARSTICK	GER	2012	1:08.08	RICH ABRAHAMS	USA	2009
800 M. FREE				100 M. BRST				200 M. I.M.			
9:28.32	JIM MC CONICA	USA	2012	1:11.08	TIMOTHY SHEAD	USA	2012	2:24.75	JACK GROSELLE	USA	2014
9:43.24	JIM CLEMMONS	USA	2010	1:11.77	RICK COLELLA	USA	2011	2:25.98	TIMOTHY SHEAD	USA	2012
9:43.83	DUNCAN MCCREADIE	GBR	2005	1:12.09	ROBERT STRAND	USA	2009	2:28.47	TIM BRODERICK	USA	2011
9:49.73	LARRY KRAUSER	USA	2013	1:12.38	JACK GROSELLE	USA	2014	2:29.11	GREG SHAW	USA	2011
9:51.72	SANDY GALLETLY	GBR	2002	1:13.55	TOSHIHARU FUJII	JPN	2010	2:30.48	JOHN CALVERT	USA	2005
9:53.00	GEORGE WENDT	USA	2009	1:14.31	RANDY PARKER	USA	2014	2:30.56	FRED SCHLICHER	USA	2008
9:56.38	RICK WALKER	USA	2010	1:14.62	STUART WATERBURY	USA	2014	2:30.64	STEVE HECK	USA	2009
9:58.02	VITTORIO ERMIRIO	ITA	2005	1:14.91	C.STARZEC	FRA	2012	2:31.02	JIM CLEMMONS	USA	2010
9:58.99	JAMES MCCLEERY	USA	2006	1:15.00	ALLEN STARK	USA	2009	2:31.11	ROBERT WEYHENKE	NED	2012
10:00.66	J.CHATARD	FRA	2013	1:15.02	STUART ELLICOTT	AUS	2013	2:31.85	CELSE JUGEND	BRA	2014
1500 M. FREE				200 M. BRST				400 M. I.M.			
18:24.21	JIM MC CONICA	USA	2010	2:37.61	RICK COLELLA	USA	2011	5:04.54	RICK COLELLA	USA	2011
18:28.64	JIM CLEMMONS	USA	2010	2:37.87	TIMOTHY SHEAD	USA	2012	5:17.31	JACK GROSELLE	USA	2014
18:50.59	JAMES MCCLEERY	USA	2007	2:40.76	ROBERT STRAND	USA	2009	5:20.60	LORENZO MARUGO	ITA	2012
18:54.83	DUNCAN MCCREADIE	GBR	2005	2:43.53	LORENZO MARUGO	ITA	2012	5:22.86	JIM CLEMMONS	USA	2010
18:55.42	ALAN BELL	USA	2010	2:46.21	TOSHIHARU FUJII	JPN	2010	5:25.65	NICK LECLERCQ	USA	2006
18:59.27	RICK WALKER	USA	2010	2:47.32	JIM CLEMMONS	USA	2010	5:26.90	JIM MC CONICA	USA	2010
19:00.25	GEORGE WENDT	USA	2009	2:48.65	C.STARZEC	FRA	2012	5:28.87	AKIRA IIDA	JPN	2014
19:01.56	JOEL KRIGER	BRA	2013	2:48.67	ALLEN STARK	USA	2011	5:29.09	LAWRENCE DAY	USA	2011
19:01.87	SANDY GALLETLY	GBR	2002	2:49.04	STUART WATERBURY	USA	2014	5:30.74	JEAN LESTIDEAU	FRA	2009
19:03.57	VITTORIO ERMIRIO	ITA	2003	2:49.27	GRAHAM PEARSON	GBR	2012	5:32.91	RON ARMSTRONG	CAN	2012
50 M. BACK				50 M. FLY				*****			
29.64	PHILIPP DJANG	USA	2014	27.53	DONALD GRAHAM	USA	2014	M E N 65-69			
30.42	MARTTI LAAJUS	ESP	2014	27.87	RICHARD ABRAHAMS	USA	2008	*****			
30.50	TAKEO HIRAMOTO	JPN	2010	28.22	DOUG MARTIN	USA	2013	50 M. FREE			
30.80	HUGH WILDER	USA	2009	28.26	MARC MIDDLETON	USA	2013	25.62	RICHARD ABRAHAMS	USA	2012
31.03	MARC MIDDLETON	USA	2011	28.30	TAKEO HIRAMOTO	JPN	2010	26.68	KEEFE LODWIG	USA	2008
31.25	BRUCE WILLIAMS	USA	2014	28.52	LEONARD BIELICZ	SWE	2013	26.73	VINUS VAN BAALEN	CAN	2007
31.25	DONALD GRAHAM	USA	2014	28.59	GREG SHAW	USA	2011	26.87	DAVID QUIGGIN	USA	2009
31.31	ROBERT SMITH	USA	2004	28.80	KENJI NAKAMATSU	JPN	2009	26.88	IAN SMITH	CAN	2009
31.40	ALAIN VANACKER	FRA	2014	29.04	JIM DRAGON	USA	2007	27.05	JEFF FARRELL	USA	2002
31.50	JOSE LORO	BRA	2009	29.11	JEAN LESTIDEAU	FRA	2009	27.10	LEE CHILDS	USA	2013
100 M. BACK				100 M. FLY				27.26	JIM DRAGON	USA	2009
1:05.62	PHILIPP DJANG	USA	2014	1:03.67	TAKEO HIRAMOTO	JPN	2010	27.34	GLENN GRUBER	USA	2014
1:06.27	TIMOTHY SHEAD	USA	2012	1:03.76	RICH ABRAHAMS	USA	2006	27.47	KATSUTAKA IZUMI	JPN	2010
1:06.85	BRUCE WILLIAMS	USA	2014	1:04.05	JACK GROSELLE	USA	2014	100 M. FREE			
1:06.99	WES EDWARDS	USA	2013	1:04.47	GREG SHAW	USA	2011	58.58	RICHARD ABRAHAMS	USA	2012
1:07.31	HUGH WILDER	USA	2009	1:05.12	DONALD GRAHAM	USA	2014	59.40	DAVID QUIGGIN	USA	2009
1:08.49	FRED FERROGGIARO	USA	2013	1:05.57	FRED SCHLICHER	USA	2008	59.60	KEEFE LODWIG	USA	2008
1:08.85	RICHARD BURNS	USA	2003	1:05.67	KEVIN MCCORMACK	USA	2012	1:01.00	GLENN GRUBER	USA	2014
1:09.20	PETER O'BRIEN	CAN	2009	1:05.81	JOHN CRAIG	USA	2014	1:01.11	GERHARD SCHILLER	GER	2014
1:09.20	ROBERT SMITH	USA	2004	1:05.91	SHIGEO ASANO	JPN	2009	1:01.13	RICHARD BURNS	USA	2008
1:09.72	PETER O'KEEFE	USA	2010	1:05.99	STEVEN WALL	GBR	2014	1:01.16	LEE CHILDS	USA	2013
200 M. BACK				200 M. FLY				1:01.36	JEFF FARRELL	USA	2002
2:26.30	PHILIPP DJANG	USA	2014	2:29.40	SCOTT LAUTMAN	USA	2012	1:01.77	PHILIPPE MARCHAT	FRA	2009
2:27.99	TIMOTHY SHEAD	USA	2012	2:30.18	FRED SCHLICHER	USA	2008	1:02.12	TOM LANDIS	USA	2007
2:28.90	WES EDWARDS	USA	2013	2:31.52	JOHN CRAIG	USA	2014	200 M. FREE			
2:29.60	JIM MC CONICA	USA	2010	2:32.76	JEAN LESTIDEAU	FRA	2007	2:15.39	DAVID QUIGGIN	USA	2009
2:30.96	JOHN CALVERT	USA	2005	2:33.96	TAKEO HIRAMOTO	JPN	2014	2:16.03	GLENN GRUBER	USA	2014
2:31.42	ROBERT WEYHENKE	NED	2013	2:34.65	ROBERT POILETMAN	USA	2003	2:16.27	KEEFE LODWIG	USA	2008
2:32.37	FRED FERROGGIARO	USA	2013	2:35.28	GREG SHAW	USA	2011	2:17.04	RICHARD ABRAHAMS	USA	2012
2:33.06	L.ETTORE	ITA	2014	2:35.67	LAWRENCE DAY	USA	2011	2:17.15	TOM LANDIS	USA	2008
2:34.17	RICHARD BURNS	USA	2003	2:36.85	STEVEN FOLSOM	GBR	2014	2:18.31	RICHARD BURNS	USA	2009
2:34.71	HUGH WILDER	USA	2007	2:37.79	DEREK PARR	GBR	2005	2:18.71	JEFF FARRELL	USA	2002
50 M. BRST				100 M. I.M.				2:19.66	LEE CHILDS	USA	2013
32.16	STUART ELLICOTT	AUS	2012	1:05.53	TIMOTHY SHEAD	USA	2012	2:19.86	HUBER KERNS	USA	2014
32.31	ROBERT STRAND	USA	2009	1:06.10	JACK GROSELLE	USA	2014	2:20.13	RUDOLF SMERDA	CZE	2009
32.45	TIMOTHY SHEAD	USA	2012	1:06.29	RICK COLELLA	USA	2011	400 M. FREE			
33.25	RANDY PARKER	USA	2014	1:06.53	TAKEO HIRAMOTO	JPN	2010	4:53.17	DAN KIRKLAND	USA	2014
33.50	C.STARZEC	FRA	2012	1:07.58	DONALD GRAHAM	USA	2014	4:54.45	GLENN GRUBER	USA	2014
33.64	YOSHIHIKO OSAKI	JPN	2000	1:07.77	ROBERT WEYHENKE	NED	2012				



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4:55.56	TOM LANDIS	USA	2007	34.26	YOSHITADA MAEDA	JPN	2011	1:10.26	ROBERT STRAND	USA	2012
4:55.97	DAVID QUIGGIN	USA	2009	34.55	LOUIS KRONFELD	USA	2008	1:10.42	RICHARD ABRAHAMS	USA	2010
4:59.03	VITTORIO ERMIRIO	ITA	2007	34.72	JOHN LIRON	GBR	2013	1:10.67	RICHARD BURNS	USA	2008
5:00.26	DON DAVIS	USA	2009	34.79	ALLEN STARK	USA	2014	1:12.04	KOJI IWAMOTO	JPN	2009
5:01.65	RICHARD BURNS	USA	2009	34.88	JIM DRAGON	USA	2009	1:12.46	STEVEN HECK	USA	2014
5:01.81	JAMES MCCLEERY	USA	2011	34.89	DIETER HOFEL	GER	2013	1:12.51	JEFF FARRELL	USA	2002
5:01.92	DUNCAN MCCREADIE	FRA	2011	34.92	DAVID GILDEA	USA	2009	1:12.54	HUGH WILDER	USA	2012
5:03.87	VICTOR PAUL	AUS	2009	35.13	KENNETH FROST JR	USA	2009	1:12.86	J.LESTIDEAU	FRA	2011
800 M. FREE				100 M. BRST				1:13.27	LEE CHILDS	USA	2014
10:05.03	DAN KIRKLAND	USA	2014	1:15.84	ROBERT STRAND	USA	2012	200 M. I.M.			
10:16.06	VITTORIO ERMIRIO	ITA	2007	1:16.64	OSAMU MAEDA	JPN	2010	2:34.15	HUBIE KERNS	USA	2014
10:21.01	HUBIE KERNS	USA	2014	1:17.01	DAVID GILDEA	USA	2008	2:34.64	ALEK SHESTAKOV	USA	2014
10:21.09	TOM LANDIS	USA	2008	1:17.39	ALLEN STARK	USA	2014	2:38.42	RICHARD BURNS	USA	2009
10:25.32	FRANK MCELROY	USA	2013	1:18.35	HUBIE KERNS	USA	2014	2:38.96	ROBERT STRAND	USA	2012
10:30.40	GLENN GRUBER	USA	2014	1:18.66	RICHARD TODD	USA	2008	2:39.62	J.LESTIDEAU	FRA	2011
10:30.68	JAMES MCCLEERY	USA	2011	1:19.12	KENNETH FROST JR	USA	2009	2:40.07	LEE CHILDS	USA	2013
10:33.02	DON DAVIS	USA	2009	1:19.41	DIETER HOFEL	GER	2010	2:41.64	BERND HORSTMANN	GER	2008
10:34.23	JOACHIM HINTZE	GER	2009	1:20.36	THOMAS JOHNSON	GBR	2007	2:42.68	KOJI IWAMOTO	JPN	2009
10:34.89	EDWARD RUDLOFF	USA	2012	1:20.41	GERSHON SHEFA	ISR	2008	2:43.31	STEVEN HECK	USA	2014
1500 M. FREE				200 M. BRST				2:43.49	MIKE FRESHLEY	USA	2006
19:32.78	TOM LANDIS	USA	2007	2:49.05	ROBERT STRAND	USA	2012	400 M. I.M.			
19:41.85	VITTORIO ERMIRIO	ITA	2007	2:53.44	ALLEN STARK	USA	2014	5:34.78	HUBIE KERNS	USA	2014
19:47.48	JAMES MCCLEERY	USA	2011	2:54.56	GERSHON SHEFA	ISR	2008	5:34.91	ALEK SHESTAKOV	USA	2014
19:50.00	DAN KIRKLAND	USA	2014	2:55.41	HUBIE KERNS	USA	2014	5:37.22	J.LESTIDEAU	FRA	2011
19:53.18	GRAHAM JOHNSTON	USA	1996	2:56.37	KENNETH FROST	USA	2009	5:50.91	RICHARD BURNS	USA	2009
20:04.76	FRANK MCELROY	USA	2013	2:56.84	DAVID GILDEA	USA	2008	5:53.40	GEORGE WENDT	USA	2012
20:06.53	D.UIJTENBOGAART	NED	2012	2:57.01	NORIAKI TSUJI	JPN	2011	5:54.86	FRANK MCELROY	USA	2013
20:07.89	HUBIE KERNS	USA	2014	2:58.77	ALAIN LEGRUX	FRA	2013	5:56.19	LEE CHILDS	USA	2013
20:09.42	DAVID QUIGGIN	USA	2009	2:59.11	RICHARD TODD	USA	2007	5:57.90	BOB COUCH	USA	2012
20:10.13	DON DAVIS	USA	2009	2:59.55	YOSHIAKI AOKI	JPN	2005	5:58.93	MIKE FRESHLEY	USA	2006
50 M. BACK				50 M. FLY				5:59.56	NORIAKI TSUJI	JPN	2011
30.34	HUGH WILDER	USA	2012	28.57	IAN WILKES	GBR	2012	*****			
31.64	RICHARD BURNS	USA	2008	28.91	JOSEP CLARET	ESP	2009	M E N 70-74			
32.32	VINUS VAN BAALEN	USA	2008	28.99	RICHARD ABRAHAMS	USA	2010	*****			
32.35	LUIZ FIGUEIREDO	BRA	2006	29.18	JIM DRAGON	USA	2009	50 M. FREE			
32.43	JIMMY ROGERS	GBR	2014	29.78	DAVID QUIGGIN	USA	2009	27.70	JEFF FARRELL	USA	2008
32.76	ROBERT SMITH	USA	2008	29.79	KEEFE LODWIG	USA	2008	28.23	VINUS VAN BAALEN	CAN	2012
32.94	JOSE LORO	BRA	2014	30.18	KENJI NAKAMATSU	JPN	2013	28.28	PETER BERGENGREN	SWE	2008
32.94	RICHARD ABRAHAMS	USA	2010	30.44	LEE CHILDS	USA	2013	28.31	IAN SMITH	CAN	2011
33.14	J.LESTIDEAU	FRA	2011	30.49	TOMOYASU IIDA	JPN	2009	28.55	RON JOHNSON	USA	2003
33.32	BERND HORSTMANN	GER	2009	30.54	GEORGES KOESSLER	FRA	2007	28.76	CAV CAVANAUGH	USA	2008
100 M. BACK				100 M. FLY				28.78	DAVID QUIGGIN	USA	2014
1:07.69	HUGH WILDER	USA	2012	1:05.90	JOSEP CLARET	ESP	2009	28.89	RUDOLF SMERDA	CZE	2013
1:10.16	RICHARD BURNS	USA	2009	1:06.60	RICHARD ABRAHAMS	USA	2010	28.99	KATSUKI ISHIHARA	JPN	2009
1:12.20	BERND HORSTMANN	GER	2009	1:08.36	DAVID QUIGGIN	USA	2009	29.00	WOLFRAM GOTTFRIED	GER	2003
1:12.36	JIMMY ROGERS	GBR	2014	1:09.10	ROBERT POILETMAN	USA	2009	100 M. FREE			
1:13.11	ROBERT SMITH	USA	2008	1:09.66	DEREK PARR	GBR	2009	1:02.87	DAVID QUIGGIN	USA	2014
1:13.29	JOSE LORO	BRA	2014	1:10.01	HUBIE KERNS	USA	2014	1:03.33	JEFF FARRELL	USA	2007
1:13.70	DAN KIRKLAND	USA	2014	1:10.25	RICHARD BURNS	USA	2008	1:04.57	RICHARD BURNS	USA	2013
1:13.92	STEVEN HECK	USA	2014	1:10.73	KOJI IWAMOTO	JPN	2009	1:04.58	CAV CAVANAUGH	USA	2005
1:14.04	BARRY YOUNG	NZL	2004	1:10.76	FRED BAIRD	USA	2013	1:04.66	PETER BERGENGREN	SWE	2008
1:14.39	HUBIE KERNS	USA	2014	1:11.45	J.LESTIDEAU	FRA	2011	1:05.08	AKIRA FUJIMAKI	JPN	2013
200 M. BACK				1:11.45	KEEFE LODWIG	USA	2008	1:05.11	HIROSHI MARUYAMA	JPN	2012
2:34.93	ALEK SHESTAKOV	USA	2014	200 M. FLY				1:05.41	RUDOLF SMERDA	CZE	2013
2:34.97	RICHARD BURNS	USA	2009	2:38.71	ROBERT POILETMAN	USA	2008	1:05.41	IAN SMITH	CAN	2011
2:36.26	HUGH WILDER	USA	2012	2:41.64	DEREK PARR	GBR	2009	1:05.62	VINUS VAN BAALEN	CAN	2012
2:37.65	BERND HORSTMANN	GER	2008	2:45.27	J.LESTIDEAU	FRA	2011	200 M. FREE			
2:42.04	HUBIE KERNS	USA	2014	2:46.70	HUBIE KERNS	USA	2014	2:22.60	DAVID QUIGGIN	USA	2014
2:43.59	STEVEN HECK	USA	2014	2:47.38	HORST LEHMANN	GER	2012	2:24.31	GRAHAM JOHNSTON	USA	2001
2:43.82	MICHAEL MCCOLLY	USA	2010	2:48.60	KOJI IWAMOTO	JPN	2009	2:25.01	RICHARD BURNS	USA	2013
2:44.62	LUIZ FIGUEIREDO	BRA	2006	2:48.78	RICHARD KITCHELL	USA	2005	2:26.61	TOM LANDIS	USA	2013
2:45.27	JOSE LORO	BRA	2014	2:49.43	FRED BAIRD	USA	2013	2:28.41	CAV CAVANAUGH	USA	2005
2:45.56	GARY CHASE	USA	2005	2:53.24	FRANK MCELROY	USA	2013	2:28.80	AKIRA FUJIMAKI	JPN	2013
50 M. BRST				2:53.93	JOACHIM HINTZE	GER	2008	2:29.28	MASATO YOSHINO	JPN	2009
33.86	OSAMU MAEDA	JPN	2010	100 M. I.M.				2:29.64	KOJI IWAMOTO	JPN	2012
34.19	ROBERT STRAND	USA	2012	1:09.90	HUBIE KERNS	USA	2014				



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2:29.72	RUDOLF SMERDA	CZE	2013	2:55.04	RICHARD TODD	USA	2012	3:07.21	DEREK PARR	GBR	2014
2:30.04	JEFF FARRELL	USA	2008	2:55.73	ROGER FRANKS	USA	1998	3:08.60	TAKASHI HAYASHI	JPN	2003
400 M. FREE				50 M. BRST				3:09.56	TADANOBU YAMADA	JPN	2013
5:05.47	DAVID QUIGGIN	USA	2014	35.85	YOSHIHIKO OSAKI	JPN	2009	100 M. I.M.			
5:09.75	GRAHAM JOHNSTON	USA	2002	36.16	DAVID GILDEA	USA	2013	1:14.40	RICHARD BURNS	USA	2013
5:12.57	TOM LANDIS	USA	2012	37.03	ANTONIO ORSELLI	BRA	2014	1:14.73	JACK KELSO	CAN	2009
5:15.88	BURWELL JONES	USA	2003	37.26	JEFF FARRELL	USA	2007	1:15.54	BARRY YOUNG	NZL	2009
5:18.28	DAVID RADCLIFF	USA	2007	37.39	OSAMU MAEDA	JPN	2014	1:15.60	KOJI IWAMOTO	JPN	2013
5:23.49	RUDOLF SMERDA	CZE	2013	37.44	HANS REICHELT	GER	2007	1:15.92	RONALD JOHNSON	USA	2001
5:24.38	TADANOBU YAMADA	JPN	2013	37.47	NICK TEMPLEMAN	CAN	2001	1:16.05	JEFF FARRELL	USA	2007
5:26.04	YASUSHI YAMAGUCHI	JPN	2009	37.65	PETER ANDERSEN	USA	2014	1:17.19	DAVE COSTILL	USA	2008
5:26.63	SUETAKA SAWADA	JPN	2013	37.68	AKIO SUGIYAMA	JPN	2005	1:17.22	BURWELL JONES	USA	2003
5:26.86	VITTORIO ERMIRIO	ITA	2012	37.71	MANUEL SANGUILY	USA	2004	1:17.58	DAVID GILDEA	USA	2013
800 M. FREE				100 M. BRST				1:17.65	HIROSHI NONAKA	JPN	2012
10:52.68	GRAHAM JOHNSTON	USA	2001	1:21.41	DAVID GILDEA	USA	2013	200 M. I.M.			
11:01.38	DAVID RADCLIFF	USA	2007	1:23.63	BARRY YOUNG	NZL	2009	2:42.44	BARRY YOUNG	NZL	2009
11:04.40	DAVID QUIGGIN	USA	2014	1:23.70	HANS REICHELT	GER	2007	2:44.81	RICHARD BURNS	USA	2013
11:16.51	YASUSHI YAMAGUCHI	JPN	2009	1:24.13	TONY GOODWIN	AUS	2007	2:49.43	JACK KELSO	CAN	2009
11:17.52	TOM LANDIS	USA	2012	1:24.13	TETSUO NAKAMARU	JPN	2005	2:51.73	BURWELL JONES	USA	2003
11:23.10	ERNIE LESKOVITZ	USA	2006	1:24.31	YOSHIAKI AOKI	JPN	2008	2:52.63	KOJI IWAMOTO	JPN	2012
11:25.65	JOHN CRISP	AUS	2005	1:24.37	ANTONIO ORSELLI	BRA	2014	2:54.26	MIKE FRESHLEY	USA	2011
11:26.47	GEOFF STOKES	GBR	2009	1:25.02	JACK KELSO	CAN	2009	2:55.18	TOM LANDIS	USA	2013
11:28.02	JOACHIM HINTZE	GER	2012	1:25.11	RON JOHNSON	USA	2003	2:55.51	RON JOHNSON	USA	2002
11:30.41	IKURO SHIMONO	JPN	2007	1:25.27	OSAMU MAEDA	JPN	2014	2:55.58	GRAHAM JOHNSTON	USA	2002
1500 M. FREE				200 M. BRST				2:57.11	IKURO SHIMONO	JPN	2009
20:54.56	GRAHAM JOHNSTON	USA	2001	3:01.22	BARRY YOUNG	NZL	2009	400 M. I.M.			
21:07.23	TOM LANDIS	USA	2012	3:04.51	DAVID GILDEA	USA	2013	5:48.67	BARRY YOUNG	NZL	2009
21:17.81	JOHN CRISP	AUS	2005	3:05.27	HANS REICHELT	GER	2007	6:17.67	TOM LANDIS	USA	2013
21:24.18	DAVID RADCLIFF	USA	2007	3:05.42	MICHAEL MOLONEY	AUS	2009	6:20.98	RUDOLF SMERDA	CZE	2014
22:02.11	YASUSHI YAMAGUCHI	JPN	2009	3:06.16	TONY GOODWIN	AUS	2007	6:21.46	BURWELL JONES	USA	2003
22:05.60	RICHARD BURNS	USA	2013	3:07.68	YOSHIAKI AOKI	JPN	2009	6:21.47	JACK KELSO	CAN	2009
22:08.31	TONY RALPHS	USA	2013	3:07.85	MIKE FRESHLEY	USA	2011	6:22.65	MASAO KIJIMA	JPN	2011
22:08.91	GEOFF STOKES	GBR	2009	3:09.86	PETER BELL	CAN	2005	6:23.43	GRAHAM JOHNSTON	USA	2002
22:12.38	MICK MARSHALL	GBR	2009	3:10.40	JACK KELSO	CAN	2009	6:23.60	KOJI IWAMOTO	JPN	2012
22:14.70	KEEFE LODWIG	USA	2013	3:10.58	RICHARD TODD	USA	2012	6:25.28	IKURO SHIMONO	JPN	2009
50 M. BACK				50 M. FLY				6:29.34	RICHARD TODD	USA	2012
33.51	RICHARD BURNS	USA	2013	30.96	JIM DRAGON	USA	2014	*****			
33.90	YOSHI OYAKAWA	USA	2003	31.55	BERT PETERSEN	USA	2008	M E N 75-79			
34.15	VINUS VAN BAALEN	CAN	2012	31.56	JOSEP CLARET	ESP	2014	*****			
34.66	BERND HORSTMANN	GER	2012	31.71	HIROSHI MATSUMOTO	JPN	2009	50 M. FREE			
35.40	ROBERT SMITH	USA	2013	31.79	RUDOLF SMERDA	CZE	2013	30.15	DAVID RADCLIFF	USA	2009
35.44	S.SEKIKAWA	JPN	2003	31.83	RICHARD BURNS	USA	2013	31.06	FRANK PIEMME	USA	2001
35.60	JOAQUIN CANALES	ESP	2011	31.96	DAVID QUIGGIN	USA	2014	31.08	BURWELL JONES	USA	2009
35.65	YOSHIKATSU SAWADA	JPN	2014	32.36	BERND SCHRÖDER	GER	2013	31.10	HIROSHI MATSUMOTO	JPN	2011
35.71	FRANS VAN ENST	NED	2011	32.57	RONALD JOHNSON	USA	2001	31.12	DAVID PAINTER	USA	2013
35.71	PAUL HUTINGER	USA	1994	32.62	KOJI IWAMOTO	JPN	2013	31.15	JACK KELSO	CAN	2014
100 M. BACK				32.62	IAN SMITH	CAN	2011	31.30	TOM VERTH	CAN	2014
1:12.09	RICHARD BURNS	USA	2013	100 M. FLY				31.31	SHINGO YAMAMOTO	JPN	2009
1:14.31	BARRY YOUNG	NZL	2009	1:12.02	JOSEP CLARET	ESP	2014	31.38	CAV CAVANAUGH	USA	2011
1:15.08	BERND HORSTMANN	GER	2012	1:12.64	ROBERT POILETMAN	USA	2014	31.40	ANDERS SODERQVIST	SWE	2008
1:15.85	YOSHI OYAKAWA	USA	2003	1:13.68	KOJI IWAMOTO	JPN	2013	100 M. FREE			
1:16.73	BURWELL JONES	USA	2003	1:15.96	T.TAKESHITA	JPN	2012	1:05.13	DAVID RADCLIFF	USA	2009
1:18.00	LUCIEN GAUCHE	FRA	2012	1:16.18	DEREK PARR	GBR	2014	1:08.90	BURWELL JONES	USA	2009
1:18.10	JOZSEF CSIKANY	HUN	2013	1:16.42	RICHARD BURNS	USA	2013	1:09.15	JACK KELSO	CAN	2014
1:18.69	YOSHIKATSU SAWADA	JPN	2014	1:16.42	RUDOLF SMERDA	CZE	2013	1:09.83	HIROSHI MATSUMOTO	JPN	2011
1:18.73	S.SEKIKAWA	JPN	2003	1:16.91	BARRY YOUNG	NZL	2009	1:10.71	SHINGO YAMAMOTO	JPN	2006
1:19.09	MARTY MENNEN	USA	2007	1:18.38	HUGH RODDIN	USA	2012	1:11.15	HELMUT RICHTER	GER	2014
200 M. BACK				1:18.42	TAISUKE MIYAZAKI	JPN	2009	1:11.53	GRAHAM JOHNSTON	USA	2007
2:38.01	RICHARD BURNS	USA	2013	200 M. FLY				1:11.55	FRANK PIEMME	USA	2000
2:40.17	BARRY YOUNG	NZL	2009	2:51.32	BARRY YOUNG	NZL	2009	1:11.74	JAMES ZURCHER	USA	2009
2:48.91	JOZSEF CSIKANY	HUN	2013	2:55.66	ROBERT POILETMAN	USA	2013	1:12.11	WERNER SCHNABEL	GER	2011
2:51.24	BURWELL JONES	USA	2003	2:58.89	KOJI IWAMOTO	JPN	2013	200 M. FREE			
2:51.82	LUCIEN GAUCHE	FRA	2012	3:01.11	YASUTAKA KOIKE	JPN	2013	2:27.53	DAVID RADCLIFF	USA	2009
2:53.22	S.SEKIKAWA	JPN	2003	3:03.11	RUDOLF SMERDA	CZE	2014	2:37.71	GRAHAM JOHNSTON	USA	2006
2:53.59	YOSHI OYAKAWA	USA	2003	3:05.81	WILLIAM LETCH	GBR	2010	2:38.07	IKURO SHIMONO	JPN	2013
2:54.36	MARTY MENNEN	USA	2007	3:06.07	TAISUKE MIYAZAKI	JPN	2010				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

2:38.97	WERNER SCHNABEL	GER	2012	3:09.16	DAVID COSTILL	USA	2014	3:29.00	ERIVALDO LIMA	BRA	2008
2:40.22	JOHN CRISP	AUS	2010	3:09.22	KEIJIRO NAKAMURA	JPN	1999	3:29.28	CHRISTIAN THIESS	AUS	2013
2:42.21	SHINGO YAMAMOTO	JPN	2006	3:10.00	MAMPEI SEINO	JPN	2008	3:31.23	MAURICE LUSIEN	FRA	2001
2:44.79	MASATO YOSHINO	JPN	2014	3:10.22	RAYMOND TAFT	USA	1994	3:36.25	CLAUDIO NEGRI	ITA	2012
2:45.31	CAV CAVANAUGH	USA	2013	3:12.53	PAUL HUTINGER	USA	2000	3:36.51	LAURI MALK	FIN	2014
2:46.10	GEOFF STOKES	GBR	2014	3:13.21	YOSHI OYAKAWA	USA	2008	3:39.04	GIULIO DIVANO	ITA	2010
2:46.17	ARAM BOGHOSSIAN	BRA	2004	3:13.62	E.NODENSCHNEIDER	FRA	2012	3:39.51	THOMAS MAINE	USA	2002
400 M. FREE				50 M. BRST				100 M. I.M.			
5:15.10	DAVID RADCLIFF	USA	2009	39.04	TETSUO NAKAMARU	JPN	2010	1:18.80	BURWELL JONES	USA	2009
5:30.95	GERHARD HOLE	GER	2012	39.20	HANS REICHELT	GER	2011	1:20.91	JACK KELSO	CAN	2014
5:36.32	IKURO SHIMONO	JPN	2012	39.36	TONY GOODWIN	AUS	2012	1:21.42	DAVID COSTILL	USA	2011
5:40.14	GRAHAM JOHNSTON	USA	2006	39.85	YOSHIKAKI AOKI	JPN	2014	1:22.82	IKURO SHIMONO	JPN	2012
5:45.47	HIROSHI YOSHIMURA	JPN	2004	39.97	TOSHIO TAJIMA	JPN	2000	1:23.53	HANS REICHELT	GER	2011
5:50.39	BURWELL JONES	USA	2008	40.06	BELA FABIAN	HUN	2013	1:24.42	FRANK PIEMME	USA	2000
5:50.91	JOHN CRISP	AUS	2010	40.07	MANUEL SANGUILY	USA	2008	1:24.48	BELA FABIAN	HUN	2013
5:51.31	GEOFF STOKES	GBR	2014	40.17	ROBERT PFERSDORFF	GER	1999	1:24.51	TOM VERTH	CAN	2014
5:53.05	WERNER SCHNABEL	GER	2012	40.35	RINALDO FERREIRA	BRA	2012	1:24.71	DAVID RADCLIFF	USA	2009
5:56.68	TOSABURO HOSOKAWA	JPN	2013	40.40	JACK KELSO	CAN	2014	1:24.76	JAMES ZURCHER	USA	2009
800 M. FREE				100 M. BRST				200 M. I.M.			
10:59.10	DAVID RADCLIFF	USA	2009	1:26.76	HANS REICHELT	GER	2011	2:59.26	BURWELL JONES	USA	2009
11:07.83	GERHARD HOLE	GER	2012	1:26.84	TONY GOODWIN	AUS	2012	3:04.87	IKURO SHIMONO	JPN	2013
11:38.56	BURWELL JONES	USA	2008	1:27.76	TETSUO NAKAMARU	JPN	2010	3:10.06	KARL HAUTER	GER	2000
11:47.67	YASUSHI YAMAGUCHI	JPN	2014	1:28.40	BELA FABIAN	HUN	2013	3:10.46	JAMES ZURCHER	USA	2009
12:00.94	GRAHAM JOHNSTON	USA	2006	1:28.61	ROBERT PFERSDORFF	GER	1999	3:12.11	JOHN CRISP	AUS	2011
12:02.87	HIROSHI YOSHIMURA	JPN	2004	1:28.72	SHUNSAKU TAKAHIRA	JPN	2007	3:15.45	GIULIO DIVANO	ITA	2009
12:11.86	WERNER SCHNABEL	GER	2012	1:29.31	YOSHIKAKI AOKI	JPN	2014	3:16.40	MOTOHISA HIROSE	JPN	2013
12:13.28	FRANK PIEMME	USA	2000	1:29.66	JACK KELSO	CAN	2014	3:16.44	FRANK PIEMME	USA	2000
12:24.91	GEOFF STOKES	GBR	2014	1:30.02	TSUTOMU KAJIHARA	JPN	2008	3:17.37	TONY GOODWIN	AUS	2014
12:25.49	FREDERIK HENDRIK	ESP	2013	1:31.15	DAVID COSTILL	USA	2011	3:17.45	CHRISTIAN THIESS	AUS	2012
1500 M. FREE				200 M. BRST				400 M. I.M.			
20:39.50	DAVID RADCLIFF	USA	2009	3:09.09	TONY GOODWIN	AUS	2012	6:33.87	BURWELL JONES	USA	2009
22:27.75	GRAHAM JOHNSTON	USA	2006	3:15.57	HANS REICHELT	GER	2011	6:52.62	KARL HAUTER	GER	2001
22:28.06	BURWELL JONES	USA	2008	3:19.96	YOSHIKAKI AOKI	JPN	2014	6:59.68	FRANK PIEMME	USA	2000
22:52.00	HIROSHI YOSHIMURA	JPN	2003	3:20.93	TSUTOMU KAJIHARA	JPN	2008	7:04.92	JOHN CRISP	AUS	2010
23:22.66	TOSABURO HOSOKAWA	JPN	2010	3:21.50	KARL HAUTER	GER	2000	7:07.64	GRAHAM JOHNSTON	USA	2006
23:35.18	MICK MARSHALL	GBR	2014	3:24.84	ROBERT PFERSDORFF	GER	1999	7:08.17	GIULIO DIVANO	ITA	2008
23:50.64	GERHARD HOLE	GER	2012	3:25.59	CHRISTIAN THIESS	AUS	2013	7:08.53	RAYMOND TAFT	USA	1994
23:52.16	H.TAKAHASHI	JPN	2012	3:26.24	MORIAKI SUGIURA	JPN	2014	7:12.49	ANRI VERESHCHAGIN	RUS	2011
24:12.41	GEOFF STOKES	GBR	2014	3:26.71	SHUNSAKU TAKAHIRA	JPN	2008	7:15.43	DAVID MCLACHLAN	RSA	2013
24:22.70	FRANK PIEMME	USA	2000	3:27.47	GUNTER SCHMAH	GER	2013	7:16.86	GUNTER BEILSTEIN	GER	2011
50 M. BACK				50 M. FLY				*****			
35.51	YOSHI OYAKAWA	USA	2008	32.93	HIROSHI MATSUMOTO	JPN	2012	M E N 80-84			
35.93	BURWELL JONES	USA	2009	33.27	ARAM BOGHOSSIAN	BRA	2004	*****			
36.58	S.SEKIKAWA	JPN	2008	34.41	Y.FUNAHASHI	JPN	2014	50 M. FREE			
36.68	CLARKE MITCHELL	USA	2007	34.53	JEAN LE DALL	FRA	2008	32.14	ROBERTO ALBERICHE	ESP	2013
37.47	KEIJIRO NAKAMURA	JPN	1998	34.57	HELMUT RICHTER	GER	2014	32.61	KEIJIRO NAKAMURA	JPN	2004
37.80	JOHN SMITH	USA	2013	34.83	FRANK PIEMME	USA	2000	32.80	FRANK PIEMME	USA	2005
37.84	TOM VERTH	CAN	2013	35.02	TAISUKE MIYAZAKI	JPN	2014	33.23	B.SCHLURIKE	GER	2001
37.93	HELMUT RICHTER	GER	2014	35.74	JACK KELSO	CAN	2014	33.60	ILO FONSECA	BRA	2010
38.38	PAUL HUTINGER	USA	1999	35.80	CLARKE MITCHELL	USA	2007	33.62	ANDERS SODERQVIST	SWE	2013
38.40	TAISUKE MIYAZAKI	JPN	2014	35.84	BURWELL JONES	USA	2009	33.73	SHINGO YAMAMOTO	JPN	2011
100 M. BACK				100 M. FLY				33.79	FUJIO MYOJIN	JPN	2008
1:18.47	BURWELL JONES	USA	2009	1:21.12	TAISUKE MIYAZAKI	JPN	2014	33.85	CLARKE MITCHELL	USA	2012
1:20.16	YOSHI OYAKAWA	USA	2008	1:24.38	TAKASHI HAYASHI	JPN	2009	33.87	BOB BEST	USA	2012
1:20.66	S.SEKIKAWA	JPN	2009	1:26.67	GENICHI IGARASHI	JPN	2011	100 M. FREE			
1:23.39	HELMUT RICHTER	GER	2014	1:26.86	HIROSHI MATSUMOTO	JPN	2011	1:11.26	DAVID RADCLIFF	USA	2014
1:23.73	TOM VERTH	CAN	2013	1:27.25	GIULIO DIVANO	ITA	2009	1:12.84	ROBERTO ALBERICHE	ESP	2012
1:23.81	CLARKE MITCHELL	USA	2007	1:30.09	MASAYASU KAMIYA	JPN	2007	1:16.09	KEIJIRO NAKAMURA	JPN	2003
1:24.21	KEIJIRO NAKAMURA	JPN	1998	1:30.85	CHRISTIAN THIESS	AUS	2013	1:16.30	SHOICHI SHIDA	JPN	2006
1:24.99	DAVID COSTILL	USA	2014	1:31.99	DAVID CUMMING	GBR	2013	1:17.02	FRANK PIEMME	USA	2005
1:25.13	PAUL HUTINGER	USA	2000	1:32.07	ROBERT PFERSDORFF	GER	2000	1:17.27	SHINGO YAMAMOTO	JPN	2011
1:25.22	ROGER FRANKS	USA	2002	1:32.31	RON JOHNSON	USA	2006	1:18.15	JAMES ZURCHER	USA	2014
200 M. BACK				200 M. FLY				1:18.25	GRAHAM JOHNSTON	USA	2011
2:49.20	BURWELL JONES	USA	2009	3:16.99	TAKASHI HAYASHI	JPN	2009	1:18.32	ANDERS SODERQVIST	SWE	2013
2:58.21	ROGER FRANKS	USA	2002	3:26.72	ROBERT PFERSDORFF	GER	1999	1:18.67	B.SCHLURIKE	GER	2002
3:00.92	S.SEKIKAWA	JPN	2008	3:27.58	KARL HAUTER	GER	2001				



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200 M. FREE		200 M. BACK		1:47.04 MASAYASU KAMIYA	JPN 2012
2:38.25 DAVID RADCLIFF	USA 2014	3:10.06 KEIJIRO NAKAMURA	JPN 2003	200 M. FLY	
2:45.24 ROBERTO ALBERICHE	ESP 2012	3:11.45 S.SEKIKAWA	JPN 2013	3:30.11 GIULIO DIVANO	ITA 2011
2:55.46 SHINGO YAMAMOTO	JPN 2011	3:19.77 BURWELL JONES	USA 2013	3:33.24 TAKASHI HAYASHI	JPN 2013
2:56.89 BURWELL JONES	USA 2013	3:23.73 RAY TAFT	USA 1999	3:52.41 THOMAS MAINE	USA 2007
2:57.47 GRAHAM JOHNSTON	USA 2011	3:24.71 BOB MILLER	USA 2010	4:00.64 ANTON CERER	USA 1997
2:58.32 HIROSHI YOSHIMURA	JPN 2008	3:25.46 ROGER FRANKS	USA 2007	4:17.12 PAUL KRUP	USA 1997
3:00.21 KARL HAUTER	GER 2005	3:31.93 CLARKE MITCHELL	USA 2012	4:17.29 MINORU NAGASHIMA	JPN 2006
3:00.63 RAYMOND TAFT	USA 1999	3:32.87 KARL HAUTER	GER 2005	4:18.70 HIRONARI UEDA	JPN 2002
3:00.86 FRANK PIEMME	USA 2005	3:33.22 MAMPEI SEINO	JPN 2012	4:20.52 KARL HAUTER	GER 2008
3:01.42 HIKOJI UEKI	JPN 1995	3:33.60 JAN ZIEGLER	CZE 2006	4:23.29 TOSHIMASA MINAMI	JPN 2010
400 M. FREE		50 M. BRST		4:25.99 WALTER PFEIFFER	USA 1994
5:39.27 DAVID RADCLIFF	USA 2014	41.42 TOSHIO TAJIMA	JPN 2005	100 M. I.M.	
5:56.77 ROBERTO ALBERICHE	ESP 2012	43.27 IWAMI IKEDA	JPN 2014	1:28.76 ROBERTO ALBERICHE	ESP 2012
5:59.22 GIULIO DIVANO	ITA 2011	43.42 BOB BEST	USA 2012	1:29.29 JAMES ZURCHER	USA 2014
6:12.87 BURWELL JONES	USA 2013	43.64 ZENJI NAKAHARI	JPN 2008	1:30.18 ZENJI NAKAHARI	JPN 2008
6:20.10 HIROSHI YOSHIMURA	JPN 2008	43.99 Y.KAWABATA	JPN 2006	1:31.23 GIULIO DIVANO	ITA 2011
6:23.47 GRAHAM JOHNSTON	USA 2012	44.56 Y.MIYAMOTO	JPN 1997	1:31.72 CLARKE MITCHELL	USA 2013
6:27.60 RAY TAFT	USA 1999	44.68 PATRICK GALVIN	AUS 2013	1:31.77 SHOICHI SHIDA	JPN 2006
6:30.21 KARL HAUTER	GER 2006	44.82 TSUTOMU KAJIHARA	JPN 2013	1:31.83 MASAYASU KAMIYA	JPN 2012
6:34.32 CLARKE MITCHELL	USA 2012	44.86 SAKAE OMORI	JPN 2014	1:32.00 YOSHINAO KAMEI	JPN 2013
6:35.25 TOSHIO SHIMIZU	JPN 2007	44.93 JOHN KORTHEUER	USA 2011	1:32.25 KARL HAUTER	GER 2005
800 M. FREE		44.93 GERHARD GIERA	GER 2008	1:32.44 BOB BEST	USA 2013
11:35.71 DAVID RADCLIFF	USA 2014	100 M. BRST		200 M. I.M.	
12:43.58 BURWELL JONES	USA 2013	1:35.96 ZENJI NAKAHARI	JPN 2008	3:18.55 GIULIO DIVANO	ITA 2011
12:50.97 HIROSHI YOSHIMURA	JPN 2008	1:36.91 KARL HAUTER	GER 2005	3:22.25 JAMES ZURCHER	USA 2014
12:59.22 ROBERTO ALBERICHE	ESP 2013	1:38.11 TSUTOMU KAJIHARA	JPN 2013	3:25.47 ROBERTO ALBERICHE	ESP 2013
13:01.70 GRAHAM JOHNSTON	USA 2012	1:38.61 PATRICK GALVIN	AUS 2013	3:26.48 KARL HAUTER	GER 2006
13:02.25 GIULIO DIVANO	ITA 2012	1:39.60 GIULIO DIVANO	ITA 2012	3:27.53 WILLIAM LAUER	USA 2014
13:29.27 RAYMOND TAFT	USA 1999	1:39.85 TOSHIO TAJIMA	JPN 2005	3:32.79 YOSHINAO KAMEI	JPN 2013
13:34.55 KARL HAUTER	GER 2007	1:40.37 BOB BEST	USA 2012	3:33.09 BOB BEST	USA 2013
13:35.75 KATSURA SUZUKI	JPN 2011	1:41.91 SHUNSAKU TAKAHIRA	JPN 2013	3:34.08 BURWELL JONES	USA 2013
13:41.19 FRANK PIEMME	USA 2005	1:42.05 FRANK PIEMME	USA 2005	3:37.04 RAYMOND TAFT	USA 1999
1500 M. FREE		1:42.17 YASUO ASAKURA	JPN 2014	3:37.92 ANRI VERESHCHAGIN	RUS 2014
21:59.53 DAVID RADCLIFF	USA 2014	200 M. BRST		400 M. I.M.	
24:36.35 BURWELL JONES	USA 2013	3:34.21 ZENJI NAKAHARI	JPN 2008	6:58.11 GIULIO DIVANO	ITA 2011
25:18.69 HIROSHI YOSHIMURA	JPN 2009	3:40.73 KARL HAUTER	GER 2005	7:26.06 KARL HAUTER	GER 2005
25:25.94 GRAHAM JOHNSTON	USA 2012	3:40.74 PATRICK GALVIN	AUS 2013	7:33.77 WILLIAM LAUER	USA 2014
25:35.01 RAY TAFT	USA 1999	3:45.57 ROBERT MACDONALD	USA 2009	7:37.58 RAY TAFT	USA 1999
25:35.82 GIULIO DIVANO	ITA 2012	3:46.93 TAKAO OKAMOTO	JPN 2013	7:46.85 ANRI VERESHCHAGIN	RUS 2014
26:24.53 WILL RAUCH	USA 2014	3:47.50 JAN ZIEGLER	CZE 2006	7:49.23 FRANK PIEMME	USA 2005
26:41.69 ALDO DA ROSA	USA 1998	3:47.87 FRANK PIEMME	USA 2005	7:49.67 BOB BEST	USA 2012
26:51.46 THOMAS TAYLOR	USA 2011	3:50.86 MAX VAN GELDER	NED 2004	7:53.88 ALDO DA ROSA	USA 1998
26:52.01 TAKANAO SATO	JPN 2014	3:51.92 TSUTOMU MORIHIRO	JPN 2013	7:55.53 THOMAS MAINE	USA 2007
50 M. BACK		3:52.83 ASHLEY JONES	USA 2011	7:57.44 YOSHINAO KAMEI	JPN 2013
37.82 YOSHI OYAKAWA	USA 2014	50 M. FLY		*****	
38.15 S.SEKIKAWA	JPN 2013	37.77 TAKASHI HAYASHI	JPN 2013	M E N 85-89	
38.26 KEIJIRO NAKAMURA	JPN 2003	38.92 CLARKE MITCHELL	USA 2013	*****	
38.62 CLARKE MITCHELL	USA 2013	39.66 YOSHIO ISHIGURO	JPN 2011	50 M. FREE	
39.51 BURWELL JONES	USA 2013	40.24 FRANK PIEMME	USA 2005	34.54 KEIJIRO NAKAMURA	JPN 2008
40.61 ILO FONSECA	BRA 2010	40.25 TOSHIO TAJIMA	JPN 2005	36.26 FRANK PIEMME	USA 2010
41.31 SHOICHI SHIDA	JPN 2006	40.32 ROBERTO ALBERICHE	ESP 2012	36.31 TOSHIMI INATOMI	JPN 2011
41.58 PAUL HUTINGER	USA 2004	40.40 TAMON YOSHIDA	JPN 2007	36.51 WILLARD LAMB	USA 2007
42.11 DALE WEBSTER	USA 2006	40.46 GIULIO DIVANO	ITA 2012	36.61 TAKAHIKO NOMA	JPN 2013
42.16 SHOICHI SAKAMOTO	JPN 1998	40.94 MASAYASU KAMIYA	JPN 2012	36.61 JIM EUBANK	USA 2000
100 M. BACK		41.76 WILLIAM LAUER	USA 2014	37.08 SHOICHI SAKAMOTO	JPN 2003
1:25.07 S.SEKIKAWA	JPN 2013	100 M. FLY		37.16 WOODROW BOWERSOCK	USA 1998
1:25.77 KEIJIRO NAKAMURA	JPN 2003	1:30.15 GIULIO DIVANO	ITA 2012	37.85 ANDREW HOLDEN	USA 2004
1:28.01 YOSHI OYAKAWA	USA 2014	1:30.69 TAKASHI HAYASHI	JPN 2013	37.96 WILLIAM JOHNSTON	USA 2003
1:28.47 CLARKE MITCHELL	USA 2013	1:36.53 KARL HAUTER	GER 2005	100 M. FREE	
1:30.61 BURWELL JONES	USA 2013	1:41.82 JAN ZIEGLER	CZE 2005	1:19.42 KEIJIRO NAKAMURA	JPN 2008
1:33.27 PAUL HUTINGER	USA 2004	1:42.85 WILLIAM LAUER	USA 2014	1:23.20 JIM EUBANK	USA 2000
1:33.58 RAY TAFT	USA 1999	1:43.20 MAX VAN GELDER	NED 2004	1:24.32 ROD BAKER	AUS 2013
1:34.16 ROGER FRANKS	USA 2007	1:44.29 THOMAS MAINE	USA 2007	1:25.28 FRANK PIEMME	USA 2010
1:35.25 JAN ZIEGLER	CZE 2005	1:46.05 BOB BEST	USA 2012	1:25.28 WILLARD LAMB	USA 2007
1:36.10 HORACE KNOWLTON	USA 2009	1:46.68 SILVANO DANIELI	ITA 2008		



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2014)

1:27.00	HIKOJI UEKI	JPN	2000	1:48.79	ALDO DA ROSA	USA	2002	2:13.39	ALDO DA ROSA	USA	2002
1:27.11	KARL HAUTER	GER	2012	1:48.95	EDWARD SHEA	USA	1999	2:15.51	LUDWIG GEBURZI	GER	2007
1:29.62	WOODY BOWERSOCK	USA	1998	1:50.96	R.REINSTEDTLER	GER	2000	2:15.74	PAUL KRUP	USA	2003
1:29.92	GORO KOBAYASHI	JPN	2003	1:51.57	KAIZO WATANABE	JPN	2008	2:15.82	GUILHERME SILVA	BRA	2014
1:30.77	TOSHIMI INATOMI	JPN	2011	1:51.74	PAUL HUTINGER	USA	2009	2:17.41	PAUL HUTINGER	USA	2009
200 M. FREE				200 M. BACK				200 M. FLY			
3:12.85	WILLARD LAMB	USA	2007	3:18.29	KEIJIRO NAKAMURA	JPN	2008	4:12.21	THOMAS MAINE	USA	2010
3:13.45	JIM EUBANK	USA	2000	3:37.45	GORO KOBAYASHI	JPN	2002	4:49.10	WALT PFEIFFER	USA	1998
3:14.70	KARL HAUTER	GER	2010	3:55.12	WILLARD LAMB	USA	2008	5:01.50	PAUL KRUP	USA	2002
3:15.87	HIKOJI UEKI	JPN	2000	4:00.80	ALDO DA ROSA	USA	2002	5:15.25	PAUL HUTINGER	USA	2009
3:20.73	JIRO KOBAYASHI	JPN	2010	4:02.65	RYUJI FUJIKAWA	JPN	2002	5:29.72	DON LEADER	GBR	2009
3:22.82	ROD BAKER	AUS	2013	4:05.07	JOHN MERRILL	USA	2005	5:33.83	HIRONARI UEDA	JPN	2006
3:26.81	JURGEN SCHMIDT	USA	2009	4:05.25	C.SCHERER	GER	1999	6:10.72	WILLIAM JOHNSTON	USA	2003
3:29.01	TOKUSHI KOMEDA	JPN	2000	4:06.86	EDWARD SHEA	USA	2000	6:33.38	BOB DOUD	USA	2009
3:30.18	FRANK PIEMME	USA	2011	4:09.25	NILS FERM	SWE	2003	7:59.16	JAY CHARLES	USA	2007
3:37.28	TOSHIMI INATOMI	JPN	2011	4:09.66	R.REINSTADTLER	GER	1999	8:26.16	ROY BODINE	USA	1997
400 M. FREE				50 M. BRST				100 M. I.M.			
6:56.12	ROD BAKER	AUS	2013	44.47	TOSHIO TAJIMA	JPN	2010	1:32.47	HEINZ SIEGEL	GER	2003
7:13.19	WILLARD LAMB	USA	2009	47.24	FRANK PIEMME	USA	2010	1:40.78	KARL HAUTER	GER	2010
7:14.98	FRANK PIEMME	USA	2010	47.53	KARL HAUTER	GER	2012	1:42.41	FRANK PIEMME	USA	2010
7:19.56	THOMAS MAINE	USA	2010	47.66	Y.KAWABATA	JPN	2010	1:47.12	HIROSHI IMAIZUMI	JPN	2010
7:19.94	JIM EUBANK	USA	2000	47.70	Y.MIYAMOTO	JPN	2002	1:48.23	ANDREW HOLDEN	USA	2004
7:22.76	HIROSHI IMAIZUMI	JPN	2010	48.82	HIROMU YOSHIMOTO	JPN	2000	1:48.52	THOMAS MAINE	USA	2010
7:24.82	JURGEN SCHMIDT	USA	2008	49.76	ROLF WALTHER	GER	2014	1:51.13	ROLF STELLRECHT	GER	2013
7:27.29	TOKUSHI KOMEDA	JPN	1999	50.04	SEIJI TAKAHASHI	JPN	2000	1:51.67	SHOICHI SHIDA	JPN	2012
7:28.04	KARL HAUTER	GER	2013	50.25	R.REINSTADTLER	GER	2000	1:52.47	YUJI SUZUKI	JPN	2014
7:47.75	ALDO DA ROSA	USA	2002	50.44	WALTER MINNICH	GER	2004	1:53.30	JAN ZIEGLER	CZE	2012
800 M. FREE				100 M. BRST				200 M. I.M.			
14:04.48	WILLARD LAMB	USA	2008	1:43.72	KARL HAUTER	GER	2010	3:48.34	KARL HAUTER	GER	2010
15:01.45	ROD BAKER	AUS	2013	1:47.97	TOSHIO TAJIMA	JPN	2010	3:50.46	FRANK PIEMME	USA	2010
15:03.26	JURGEN SCHMIDT	USA	2008	1:50.32	HIROMU YOSHIMOTO	JPN	2000	3:54.61	THOMAS MAINE	USA	2010
15:05.68	HIROSHI IMAIZUMI	JPN	2010	1:53.02	FRANK PIEMME	USA	2010	4:02.22	HIROSHI IMAIZUMI	JPN	2010
15:15.07	FRANK PIEMME	USA	2010	1:55.50	ROLF STELLRECHT	GER	2013	4:07.59	ALDO DA ROSA	USA	2002
15:15.68	JIM EUBANK	USA	2000	1:56.21	ALDO DA ROSA	USA	2002	4:19.20	ANDREW HOLDEN	USA	2004
16:03.63	D.CASOLINO	ITA	2012	1:59.53	ROBERT MACDONALD	USA	2013	4:20.08	JAN ZIEGLER	CZE	2013
16:19.95	TOKUSHI KOMEDA	JPN	1999	1:59.82	Y.MIYAMOTO	JPN	2002	4:24.58	WALT PFEIFFER	USA	1998
16:28.13	HAROLD DODD	GBR	2001	2:00.02	H.REITEMEYER	GER	2006	4:32.34	JURGEN SCHMIDT	USA	2008
16:35.66	DICK GUIDO	USA	2002	2:01.87	LUDWIG GEBURZI	GER	2006	4:34.43	G EDWARD RUDLOFF	USA	2009
1500 M. FREE				200 M. BRST				400 M. I.M.			
28:17.36	WILLARD LAMB	USA	2008	4:05.91	FRANK PIEMME	USA	2010	8:12.94	THOMAS MAINE	USA	2010
29:16.62	JURGEN SCHMIDT	USA	2008	4:13.03	THOMAS MAINE	USA	2010	8:32.50	FRANK PIEMME	USA	2010
29:55.69	JIM EUBANK	USA	2000	4:15.02	KARL HAUTER	GER	2014	9:32.65	WALT PFEIFFER	USA	1998
30:31.85	TOKUSHI KOMEDA	JPN	1999	4:16.20	ALDO DA ROSA	USA	2002	9:36.09	ANDREW HOLDEN	USA	2004
31:05.09	RYUJI FUJIKAWA	JPN	2002	4:20.43	HIROMU YOSHIMOTO	JPN	2001	9:48.58	JURGEN SCHMIDT	USA	2008
32:11.96	HAROLD DODD	GBR	2004	4:28.38	Y.MIYAMOTO	JPN	2002	10:13.47	DON LEADER	GBR	2009
32:20.20	GUS LANGNER	USA	1988	4:32.52	ROBERT MACDONALD	USA	2013	10:26.11	HIRONARI UEDA	JPN	2006
32:23.51	IRWIN STOLZ	USA	2014	4:32.75	WATARU ASAOKA	JPN	2011	10:47.13	HERB EISENSCHMIDT	USA	1991
32:43.03	NILS FERM	SWE	2003	4:33.70	FERNANDO NAJERA	MEX	2009	11:07.74	WILLIAM JOHNSTON	USA	2003
33:24.43	EDWARD HOY	GBR	2013	4:36.88	PAUL KRUP	USA	2002	11:48.29	TOM MC CALL	USA	2007
50 M. BACK				50 M. FLY				*****			
40.59	KEIJIRO NAKAMURA	JPN	2009	43.35	MAX VON ISSER	USA	2004	M E N 90-94			
43.80	GORO KOBAYASHI	JPN	2001	44.10	TOSHIO TAJIMA	JPN	2010	*****			
45.53	SHOICHI SHIDA	JPN	2012	44.69	TAMON YOSHIDA	JPN	2011	50 M. FREE			
46.08	TOSHIJI SATO	JPN	2000	45.50	FRANK PIEMME	USA	2010	41.07	WOODY BOWERSOCK	USA	2003
46.35	SHOICHI SAKAMOTO	JPN	2003	47.89	ANDREW HOLDEN	USA	2004	42.60	GORO KOBAYASHI	JPN	2006
47.17	R.REINSTADTLER	GER	1997	50.51	Y.MIYAMOTO	JPN	2002	42.69	WILLARD LAMB	USA	2013
47.34	ALDO DA ROSA	USA	2002	51.28	THOMAS MAINE	USA	2010	42.76	GEORGE CORONES	AUS	2009
47.75	ROD BAKER	AUS	2014	52.74	WALT PFEIFFER	USA	1998	42.93	TOKUSHI KOMEDA	JPN	2004
48.07	HELMUT KUNZEL	GER	2013	53.00	PAUL KRUP	USA	2004	43.89	KAZUNAGA AKUTSU	JPN	2002
48.08	WILLARD LAMB	USA	2008	53.41	LUDWIG GEBURZI	GER	2006	43.91	ISAMU TAMURA	JPN	2009
100 M. BACK				100 M. FLY				45.03	R.REINSTADTLER	GER	2002
1:28.98	KEIJIRO NAKAMURA	JPN	2008	1:53.78	THOMAS MAINE	USA	2010	45.46	ANTON BIEDERMANN	BRA	2014
1:39.08	GORO KOBAYASHI	JPN	2002	1:54.07	FRANK PIEMME	USA	2010	45.58	STEVE CARLSON	USA	2009
1:40.25	TOSHIJI SATO	JPN	2000	2:01.65	ANDREW HOLDEN	USA	2004	100 M. FREE			
1:42.84	KARL HAUTER	GER	2010	2:04.50	WALT PFEIFFER	USA	1998	1:39.26	WOODY BOWERSOCK	USA	2003
1:47.93	WILLARD LAMB	USA	2009	2:11.49	KARL HAUTER	GER	2012				



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1:39.27	WILLARD LAMB	USA	2014	1:58.27	TOSHIJI SATO	JPN	2005	2:41.14	ALDO CAPUTI	ITA	2005
1:41.47	TOKUSHI KOMEDA	JPN	2004	1:59.76	WILLARD LAMB	USA	2013	3:40.42	ROBERT DOUD	USA	2013
1:45.28	GORO KOBAYASHI	JPN	2007	2:00.03	JOHN MERRILL	USA	2007	4:25.80	EUGENE LEHMAN	CAN	2003
1:45.44	GEORGE CORONES	AUS	2009	2:00.25	R.REINSTADTLER	GER	2002	4:50.20	BILL REEDER	USA	2001
1:47.51	MASAHISA KANEKO	JPN	2002	2:05.53	KAIZO WATANABE	JPN	2014	200 M. FLY			
1:47.70	STEVE CARLSON	USA	2009	2:05.76	NILS FERM	SWE	2009	5:37.23	WALT PFEIFFER	USA	2003
1:48.31	JURGEN SCHMIDT	USA	2013	2:06.00	WOODY BOWERSOCK	USA	2003	8:21.40	ROBERT DOUD	USA	2013
1:51.96	HEINZ SIEGEL	GER	2004	2:09.05	MASAHISA KANEKO	JPN	2003	9:14.77	EUGENE LEHMAN	CAN	2003
1:54.87	R.REINSTADTLER	GER	2002	2:09.80	ANTON BIEDERMANN	BRA	2014	100 M. I.M.			
200 M. FREE				200 M. BACK				2:08.86	TOKUSHI KOMEDA	JPN	2004
3:39.65	TOKUSHI KOMEDA	JPN	2004	3:59.25	GORO KOBAYASHI	JPN	2007	2:14.23	WALT PFEIFFER	USA	2003
3:46.17	WILLARD LAMB	USA	2014	4:17.86	WILLARD LAMB	USA	2014	2:15.51	JURGEN SCHMIDT	USA	2013
3:48.53	GORO KOBAYASHI	JPN	2007	4:20.68	R.REINSTADTLER	GER	2002	2:16.67	R.REINSTADTLER	GER	2002
3:59.28	WOODY BOWERSOCK	USA	2003	4:25.14	JOHN MERRILL	USA	2007	2:18.93	ALDO CAPUTI	ITA	2005
4:01.58	JURGEN SCHMIDT	USA	2013	4:29.54	NILS FERM	SWE	2007	2:24.64	HEINZ SIEGEL	GER	2004
4:03.31	STEVE CARLSON	USA	2009	4:45.91	ROGERS HOLMES	USA	2011	2:28.50	WOODY BOWERSOCK	USA	2003
4:13.88	JAMES TAR	BRA	2014	4:47.45	WOODY BOWERSOCK	USA	2003	2:32.79	NORI YAMAMOTO	JPN	2000
4:20.43	GASTAO FIGUEIREDO	BRA	2000	4:47.65	KAIZO WATANABE	JPN	2013	2:41.51	RUSS WITTE	USA	2008
4:23.15	MASAHISA KANEKO	JPN	2003	4:54.70	ALFRED SCHULHOF	CAN	2010	2:42.05	E OLE LARSON	USA	2011
4:23.65	ELI KITAY	AUS	2014	4:56.88	H.MIYAZAKI	JPN	2010	200 M. I.M.			
400 M. FREE				50 M. BRST				5:13.24	WALT PFEIFFER	USA	2003
7:44.83	WILLARD LAMB	USA	2014	53.23	HEINZ JAHR	GER	1997	5:21.93	JURGEN SCHMIDT	USA	2013
8:32.09	JURGEN SCHMIDT	USA	2013	55.68	HIROMU YOSHIMOTO	JPN	2005	6:10.00	JOHN HARRISON	GBR	2004
8:50.65	GUS LANGNER	USA	1993	58.39	TAKESHI YASUKAWA	JPN	2013	7:18.74	ROMAN JEZEK	CAN	2004
8:52.99	STEVE CARLSON	USA	2009	58.72	ISAMU TAMURA	JPN	2009	7:32.22	EUGENE LEHMAN	CAN	2004
9:05.71	JOHN MERRILL	USA	2007	1:00.00	JOHN HARRISON	GBR	2006	7:45.88	ROBERT DOUD	USA	2013
9:05.85	JAMES TAR	BRA	2014	1:01.52	FRED SCHULHOF	CAN	2009	8:43.21	BILL REEDER	USA	2001
9:16.99	NILS FERM	SWE	2007	1:01.60	JOHN CORSE	USA	2014	400 M. I.M.			
9:23.13	AUSTIN NEWMAN	USA	2005	1:02.26	M.GIAMPIETRO	ITA	2013	11:15.65	WALT PFEIFFER	USA	2003
9:34.51	TOKUSHI KOMEDA	JPN	2006	1:02.37	ALDO CAPUTI	ITA	2005	15:21.15	ROBERT DOUD	USA	2013
9:37.35	WOODY BOWERSOCK	USA	2003	1:02.62	GEORGE CORONES	AUS	2008	15:45.53	EUGENE LEHMAN	CAN	2003
800 M. FREE				100 M. BRST				17:59.19	BILL REEDER	USA	2000
16:04.18	WILLARD LAMB	USA	2014	2:15.14	HIROMU YOSHIMOTO	JPN	2005	*****			
18:13.98	JURGEN SCHMIDT	USA	2013	2:23.92	RUSS WITTE	USA	2008	M E N 95-99			
18:36.25	NILS FERM	SWE	2008	2:32.59	SEITA INAYOSHI	JPN	2013	*****			
18:49.01	AUSTIN NEWMAN	USA	2005	2:32.87	MASAHISA KANEKO	JPN	2002	*****			
19:19.87	JAMES TAR	BRA	2014	2:33.12	GEORGE CORONES	AUS	2008	50 M. FREE			
19:31.83	WOODY BOWERSOCK	USA	2003	2:33.67	ALFRED SCHULHOF	CAN	2010	47.16	GEORGE CORONES	AUS	2013
20:33.27	HUGH MCGREGOR	CAN	2009	2:37.51	M.GIAMPIETRO	ITA	2013	55.08	KAZUNAGA AKUTSU	JPN	2007
20:42.60	KARL BAYERLEIN	GER	2011	2:39.48	JURGEN SCHMIDT	USA	2013	57.57	GUS LANGNER	USA	1998
20:48.59	JOHN HARRISON	GBR	2004	2:39.96	E OLE LARSON	USA	2011	1:00.40	R.REINSTADTLER	GER	2007
21:30.46	K.MROWCZYNSKI	POL	2012	2:45.20	JIM PENFIELD	USA	1998	1:01.65	GERSON SOBEL	USA	2005
1500 M. FREE				200 M. BRST				1:02.43	MASAO UEDA	JPN	2007
30:41.82	WILLARD LAMB	USA	2014	4:59.71	HIROMU YOSHIMOTO	JPN	2005	1:05.82	ALFRED SCHULHOF	CAN	2014
35:20.36	AUSTIN NEWMAN	USA	2005	5:32.73	GEORGE CORONES	AUS	2009	1:06.95	JARING TIMMERMAN	CAN	2004
35:45.97	JURGEN SCHMIDT	USA	2014	5:35.74	MASAHISA KANEKO	JPN	2003	1:08.48	HUGH MCGREGOR	CAN	2014
38:17.40	NILS FERM	SWE	2007	5:37.31	JURGEN SCHMIDT	USA	2013	1:10.32	ALFREDO CHERCHI	AUS	2002
38:53.33	HUGH MCGREGOR	CAN	2009	5:44.96	RUSS WITTE	USA	2008	100 M. FREE			
39:27.89	JAMES TAR	BRA	2014	5:46.96	E OLE LARSON	USA	2011	1:54.60	GEORGE CORONES	AUS	2013
39:33.78	WOODY BOWERSOCK	USA	2004	5:47.17	SEITA INAYOSHI	JPN	2013	2:09.32	KAZUNAGA AKUTSU	JPN	2007
39:52.69	CALVIN BARNES	USA	2014	5:58.17	WALT PFEIFFER	USA	2003	2:19.51	GUS LANGNER	USA	1998
40:43.49	JOHN HARRISON	GBR	2004	6:03.90	M.GIAMPIETRO	ITA	2013	2:31.62	JARING TIMMERMAN	CAN	2004
42:51.20	JOHN BRICE	AUS	2009	6:04.27	BUD JACKSON	USA	2010	2:31.83	HUGH MCGREGOR	CAN	2014
50 M. BACK				50 M. FLY				2:33.97	ALFRED SCHULHOF	CAN	2014
52.49	GORO KOBAYASHI	JPN	2008	56.09	WALT PFEIFFER	USA	2003	2:43.76	JOHN HARRISON	GBR	2009
53.24	R.REINSTADTLER	GER	2002	1:00.50	HEINZ JAHR	GER	1997	2:49.91	JEAN LEEMPUT	FRA	2010
53.32	TOSHIJI SATO	JPN	2005	1:07.00	ALDO CAPUTI	ITA	2005	3:06.54	R.REINSTADTLER	GER	2007
53.85	KAIZO WATANABE	JPN	2013	1:08.25	R.REINSTADTLER	GER	2002	3:06.66	F.GIANNETTA	ITA	2012
54.81	ANTON BIEDERMANN	BRA	2014	1:09.41	HEINZ SIEGEL	GER	2004	200 M. FREE			
55.25	JOHN MERRILL	USA	2007	1:18.53	JOHN CORSE	USA	2014	5:13.46	GUS LANGNER	USA	1998
55.47	KAZUNAGA AKUTSU	JPN	2003	1:19.93	JURGEN SCHMIDT	USA	2013	5:29.49	ALFRED SCHULHOF	CAN	2014
56.02	NILS FERM	SWE	2007	1:22.46	NORI YAMAMOTO	JPN	1999	5:42.47	ALFREDO CHERCHI	AUS	2002
56.15	MASAHISA KANEKO	JPN	2003	1:25.02	JOHN HARRISON	GBR	2004	5:46.73	HUGH MCGREGOR	CAN	2014
56.39	WILLARD LAMB	USA	2013	1:29.42	JIM PENFIELD	USA	1998	5:55.45	JOHN HARRISON	GBR	2009
100 M. BACK				100 M. FLY				6:25.40	JEAN LEEMPUT	FRA	2010
1:47.66	GORO KOBAYASHI	JPN	2006	2:21.82	WALT PFEIFFER	USA	2003	7:18.36	F.GIANNETTA	ITA	2012



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8:00.06	ROMAN JEZEK	CAN 2009	50 M. FLY		
8:12.83	EUGENE LEHMAN	CAN 2008	1:35.76	ALDO CAPUTI	ITA 2010
8:27.62	JACK MATHESON	AUS 2013	3:02.06	EUGENE LEHMAN	CAN 2008
400 M. FREE			100 M. FLY		
10:51.93	GUS LANGNER	USA 1998	6:04.41	WALTER PFEIFFER	USA 2008
12:08.80	HUGH MCGREGOR	CAN 2014	100 M. I.M.		
12:24.23	JOHN HARRISON	GBR 2009	3:33.98	GUS LANGNER	USA 1998
16:31.48	EUGENE LEHMAN	CAN 2008	5:45.94	BILL REEDER	USA 2005
800 M. FREE			200 M. I.M.		
22:05.55	GUS LANGNER	USA 1998	9:50.55	WALTER PFEIFFER	USA 2008
32:46.93	EUGENE LEHMAN	CAN 2008	400 M. I.M.		
1500 M. FREE			21:03.17	WALTER PFEIFFER	USA 2008
41:29.87	GUS LANGNER	USA 1998			
50 M. BACK			*****		
1:01.25	KAZUNAGA AKUTSU	JPN 2007	M E N 100-104		
1:05.82	ALFRED SCHULHOF	CAN 2014	*****		
1:06.23	GORO KOBAYASHI	JPN 2011	50 M. FREE		
1:09.22	TOSHIJI SATO	JPN 2012	1:16.92	JARING TIMMERMAN	CAN 2009
1:10.42	NORI YAMAMOTO	JPN 2004	1:27.67	JOHN HARRISON	GBR 2014
1:12.83	JEAN LEEMPUT	FRA 2010	1:32.43	JEAN LEEMPUT	FRA 2014
1:13.45	JOHN HARRISON	GBR 2009	2:06.66	TOM LANE	USA 1995
1:21.47	R.REINSTADTLER	GER 2007	2:07.41	HANS HAHN	GER 2008
1:21.53	RUSS WITTE	USA 2011	100 M. FREE		
1:25.49	JARING TIMMERMAN	CAN 2004	3:02.22	JARING TIMMERMAN	CAN 2009
100 M. BACK			3:27.79	JOHN HARRISON	GBR 2014
2:21.73	TOSHIJI SATO	JPN 2010	4:32.29	TOM LANE	USA 1995
2:23.12	KAZUNAGA AKUTSU	JPN 2007	50 M. BACK		
2:25.92	GORO KOBAYASHI	JPN 2012	1:26.68	JEAN LEEMPUT	FRA 2014
2:33.97	ALFRED SCHULHOF	CAN 2014	1:45.59	JARING TIMMERMAN	CAN 2009
2:43.41	JEAN LEEMPUT	FRA 2010	2:02.52	TOM LANE	USA 1995
2:46.68	JOHN HARRISON	GBR 2009	2:09.37	HANS HAHN	GER 2008
2:56.67	RUSS WITTE	USA 2011	4:17.99	NOBUO OTSUKI	JPN 2007
3:05.23	NORI YAMAMOTO	JPN 2005	100 M. BACK		
3:21.49	ROMAN JEZEK	CAN 2009	3:26.09	JEAN LEEMPUT	FRA 2014
3:38.07	GUS LANGNER	USA 1998	3:39.53	JOHN HARRISON	GBR 2014
200 M. BACK			3:51.54	JARING TIMMERMAN	CAN 2009
5:29.49	ALFRED SCHULHOF	CAN 2014	5:01.82	HANS HAHN	GER 2008
6:18.51	JOHN HARRISON	GBR 2009	*****		
7:01.87	ALFREDO CHERCHI	AUS 2002	M E N 100-104		
8:32.34	GUS LANGNER	USA 1998	*****		
9:31.21	BILL REEDER	USA 2005	50 M. FREE		
50 M. BRST			2:52.48	JARING TIMMERMAN	CAN 2014
1:07.12	HIROMU YOSHIMOTO	JPN 2010	50 M. BACK		
1:09.34	GEORGE CORONES	AUS 2013	3:09.55	JARING TIMMERMAN	CAN 2014
1:11.36	ALFRED SCHULHOF	CAN 2014			
1:13.72	RUSS WITTE	USA 2011			
1:22.80	KAZUNAGA AKUTSU	JPN 2007			
1:31.50	ROMAN JEZEK	CAN 2009			
1:31.60	GUS LANGNER	USA 1998			
1:34.02	ALDO CAPUTI	ITA 2010			
1:47.18	MARTIN SCHMIDT	GER 2007			
2:05.41	F.GIANNETTA	ITA 2012			
100 M. BRST					
2:31.77	HIROMU YOSHIMOTO	JPN 2010			
2:43.30	GEORGE CORONES	AUS 2013			
3:01.83	ALFRED SCHULHOF	CAN 2014			
3:03.57	RUSS WITTE	USA 2011			
3:24.92	ROMAN JEZEK	CAN 2009			
3:35.33	GUS LANGNER	USA 1998			
4:07.54	JACK MATHESON	AUS 2013			
200 M. BRST					
5:45.70	HIROMU YOSHIMOTO	JPN 2010			
6:05.88	GEORGE CORONES	AUS 2013			
6:14.84	RUSS WITTE	USA 2011			
7:29.31	GUS LANGNER	USA 1998			
8:00.06	ROMAN JEZEK	CAN 2009			