



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2015)

*****			28.06 MIKA IKEDA	JPN 2015	27.42 ELZANNE WERTH	RSA 2014
WOMEN 25-29			28.79 OLGA KLYUCHINKOVA	RUS 2014	27.48 EMMA GAGE	GBR 2015
*****			28.92 DIANA MACMANUS	USA 2012	27.69 OLGA KLYUCHINKOVA	RUS 2014
50 M. FREE			29.20 AKIKO MIZUMOTO	JPN 2006	27.84 C. MARGRISON	AUS 2011
24.73 AMY SMITH	GBR 2013		29.25 AYA SHIMODA	JPN 2010	100 M. FLY	
25.09 EMMA GAGE	GBR 2015		29.46 RYO SAWADA	JPN 2013	58.11 CLAIRE DONAHUE	USA 2015
25.42 SUMIKA KOMATSU	JPN 2006		29.51 LAUREN LAVIGNA	CAN 2014	1:00.13 ANNA POLYAKOVA	RUS 2015
25.53 NATHALIE LARSSON	SWE 2014		29.53 ANE SASETA	ESP 2011	1:00.18 YUKO NAKANISHI	JPN 2010
25.61 HANNAH KEEN	GBR 2012		29.60 EMILIE JORON	FRA 2006	1:00.24 EMMA GAGE	GBR 2015
25.66 GEORGINA HEYN	GBR 2011		100 M. BACK		1:00.93 NADINE JONES	AUS 2014
25.75 JENNIFER THATER	GER 2015		1:00.63 YURIE OGA	JPN 2015	1:01.33 SHEILA TAORMINA	USA 1996
25.85 MOTOMI NAKAMURA	JPN 2013		1:01.65 OLGA KLYUCHINKOVA	RUS 2014	1:01.37 A.CISNEROS	USA 2008
25.92 R.FAVREAU	FRA 2014		1:02.32 AKIKO MIZUMOTO	JPN 2007	1:01.46 HITOMI MATSUDA	JPN 2005
25.96 PETRA GRANLUND	SWE 2014		1:02.48 KANA OHASHI	JPN 2007	1:01.70 LINDA LUND	DEN 2009
100 M. FREE			1:02.58 LAUREN LAVIGNA	CAN 2014	1:01.93 JENNIFER THATER	GER 2015
54.16 AMY SMITH	GBR 2013		1:02.89 ERIN CAMPBELL	USA 2014	200 M. FLY	
54.53 EMMA GAGE	GBR 2015		1:02.99 ANE SASETA	ESP 2011	2:09.64 YUKO NAKANISHI	JPN 2010
55.28 MARIA FUSTER	ESP 2012		1:03.26 CAMILLA JOHANSSON	USA 2002	2:17.13 S. PALMER-WHITE	AUS 1991
55.28 HANNA SHCHERBA	FRA 2010		1:03.29 F.ALVARENGA	BRA 2012	2:17.19 HITOMI MATSUDA	JPN 2006
55.32 NADINE JONES	AUS 2014		1:03.33 LIA OBERSTAR	USA 2001	2:17.26 ANNA MARKOVA	RUS 2014
56.12 JENNIFER THATER	GER 2015		200 M. BACK		2:17.30 ANNA POLYAKOVA	RUS 2015
56.27 GEORGINA HEYN	GBR 2011		2:12.84 KANA OHASHI	JPN 2005	2:17.83 CLAIRE DONAHUE	USA 2015
56.30 SHEILA TAORMINA	USA 1996		2:13.00 K.BARANOWSKA	GER 2015	2:19.23 K.BARANOWSKA	GER 2015
56.67 HANNAH KEEN	GBR 2012		2:14.77 LIA OBERSTAR	USA 2001	2:19.30 SANDRA TEMMERMAN	NED 2005
56.81 ANNA POLYAKOVA	RUS 2015		2:16.29 ERIN CAMPBELL	USA 2013	2:19.51 KATIE KASTES	USA 2014
200 M. FREE			2:16.35 LAUREN LAVIGNA	CAN 2014	2:20.70 ABIGAIL FISH	USA 2014
1:59.78 SHEILA TAORMINA	USA 1996		2:16.45 MARION ZOLLER	GER 1995	100 M. I.M.	
2:01.89 CAROLINE SAXBY	GBR 2011		2:17.86 JOLANDA DE ROVER	NED 1992	1:02.29 PETRA CHOCOVA	CZE 2014
2:02.50 TATIANA BARBOSA	BRA 2007		2:18.22 KELLY HARRIGAN	USA 2010	1:03.41 MEGAN JENDRICK	USA 2011
2:02.91 VERONICA BALSANO	BRA 2014		2:18.65 CAMILLA JOHANSSON	USA 2002	1:03.67 HITOMI MATSUDA	JPN 2005
2:04.10 LAURA FERNANDEZ	ESP 2015		2:19.05 PAMELA HANSON	USA 2004	1:04.06 ANNA KUZMICHEVA	RUS 2015
2:04.59 HITOMI MATSUDA	JPN 2005		50 M. BRST		1:04.23 OLGA KLYUCHINKOVA	RUS 2014
2:05.37 ANNA POLYAKOVA	RUS 2015		30.50 PETRA CHOCOVA	CZE 2014	1:04.25 HANNA ERIKSSON	SWE 2011
2:05.67 CELINE BAILLOD	SUI 2007		31.01 ANNA KUZMICHEVA	RUS 2015	1:04.36 LINDA LUND TIETZE	DEN 2010
2:05.72 SAMUELA MAGNELLI	ITA 2009		31.59 NICOLE HEIDEMANN	GER 2011	1:04.55 SVETLANA KARPEEVA	RUS 2013
2:05.80 REBECCA WILLIAMS	NZL 1990		31.87 MEGAN JENDRICK	USA 2010	1:04.63 GEORGINA HEYN	GBR 2011
400 M. FREE			31.92 SUVI PULKKINEN	FIN 2015	1:04.68 YOSHIMI MIWA	JPN 2012
4:15.74 SOPHIE CASSON	GBR 2013		31.95 YOSHIMI MIWA	JPN 2012	200 M. I.M.	
4:17.77 FLAVIA RIGAMONTI	USA 2007		32.20 TRACEY MIRANDE	USA 1995	2:17.17 HITOMI MATSUDA	JPN 2006
4:18.20 CAROLINE SAXBY	GBR 2011		32.25 GEORGINA HEYN	GBR 2011	2:17.35 ERIKO KATO	JPN 2009
4:18.54 MARION VD BERG	NED 2014		32.25 CELINE BAILLOD	SUI 2007	2:17.54 ANNA MARKOVA	RUS 2014
4:24.18 SHEILA TAORMINA	USA 1996		32.76 HITOMI MATSUDA	JPN 2006	2:19.48 CELINE BAILLOD	SUI 2007
4:25.94 LYNN MARSHALL	CAN 1990		100 M. BRST		2:19.54 VERONICA BALSANO	BRA 2014
4:25.99 ANNA MARKOVA	RUS 2014		1:06.83 PETRA CHOCOVA	CZE 2014	2:20.88 MAGALI ROUSSEAU	FRA 2015
4:26.18 DIANE GRANER	USA 1989		1:09.38 GEORGINA HEYN	GBR 2011	2:21.70 MARION BLANCHARD	FRA 2011
4:26.56 CHANTAL DUCK	BEL 1993		1:09.80 LINDA LUND	DEN 2009	2:21.79 WENKE HANSEN	USA 1998
4:27.07 KELLY HIGGINS	AUS 2010		1:10.04 MEGAN JENDRICK	USA 2012	2:21.82 FANNY LILLIESTROM	SWE 2014
800 M. FREE			1:10.17 KATIE HENDERSON	GBR 2009	2:22.00 KANA OHASHI	JPN 2007
8:51.18 SHEILA TAORMINA	USA 1996		1:10.55 HITOMI MATSUDA	JPN 2005	400 M. I.M.	
8:57.39 HITOMI MATSUDA	JPN 2006		1:10.65 NICOLE HEIDEMANN	GER 2011	4:44.98 K.BARANOWSKA	GER 2015
8:57.67 SUSANNE KELLER	SUI 2009		1:10.68 JULIA VENDEVILLE	FRA 2009	4:52.13 HITOMI MATSUDA	JPN 2006
9:00.84 PAULA WOOD	GBR 2007		1:10.71 MANUELA NACKEL	GER 1998	4:52.81 ERIKO KATO	JPN 2009
9:07.19 S. PALMER-WHITE	AUS 1991		1:11.00 CELINE BAILLOD	SUI 2007	4:55.85 ANNA OHASHI	JPN 2006
9:07.78 ANNA MARKOVA	RUS 2014		200 M. BRST		4:56.01 CELINE BAILLOD	SUI 2008
9:08.09 MARIE ATKINSON	GBR 2001		2:29.80 MEGAN JENDRICK	USA 2012	4:56.98 ALESSANDRA CORTES	BRA 1999
9:11.88 LAURA MCCLEMONT	CAN 2011		2:30.29 KATIE HENDERSON	GBR 2009	4:58.14 VERONICA BALSANO	BRA 2014
9:12.01 MELODY REMNANT	AUS 2011		2:30.52 PETRA CHOCOVA	CZE 2015	4:58.92 LOUISE STEVENSON	AUS 2009
9:12.32 LYNN MARSHALL	CAN 1991		2:31.18 HITOMI MATSUDA	JPN 2006	4:59.66 ANNA MARKOVA	RUS 2014
1500 M. FREE			2:31.44 GEORGINA HEYN	GBR 2011	5:01.26 HELEN SLATTER	GBR 1997
16:13.66 ISABELLE HARLE	GER 2015		2:32.73 RILEY WEST	CAN 2004	*****	
16:36.07 SHEILA TAORMINA	USA 1996		2:33.67 NICOLE HEIDEMANN	GER 2011	WOMEN 30-34	
16:47.66 SUSANNE KELLER	SUI 2009		2:34.41 LORELE MCLEISH	AUS 2015	*****	
17:00.63 HITOMI MATSUDA	JPN 2006		2:35.66 ANDREA PACKARD	USA 2001	50 M. FREE	
17:20.28 MELODY REMNANT	AUS 2011		2:36.82 KATJA BRASCHOS	GER 2007	25.17 S.KNYAGINIA	RUS 2014
17:24.96 PAULA WOOD	GBR 2007		50 M. FLY		25.57 SUMIKA KOMATSU	JPN 2009
17:25.08 KATIE KASTES	USA 2014		26.31 CLAIRE DONAHUE	USA 2015	25.64 METTE JACOBSEN	DEN 2006
17:29.81 CHANTAL DUCK	BEL 1993		27.08 NADINE JONES	AUS 2014	25.66 TATIANA BARBOSA	BRA 2008
17:30.18 KAREN BURTON	USA 1991		27.14 MOTOMI NAKAMURA	JPN 2013	25.69 ERIKA ERNDL	USA 2012
17:32.82 LAURA MCCLEMONT	CAN 2011		27.20 AMY SMITH	GBR 2013	25.77 HANNAH CALDAS	USA 2011
50 M. BACK			27.29 YUKO NAKANISHI	JPN 2010	25.83 HITOMI MATSUDA	JPN 2010
27.88 YURIE OGA	JPN 2015		27.41 ANNA POLYAKOVA	RUS 2015		



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25.84	EIDER FUENTES	ESP	2014	1:00.90	KANA YAMAGUCHI	JPN	2010	1:02.39	NADINE ROLLAND	CAN	2005
25.98	DIANE BUI DUYET	FRA	2013	1:02.88	METTE JACOBSEN	DEN	2006	1:02.65	BERIT PUGGAARD	DEN	2004
25.98	KATRINA RADKE	USA	2004	1:03.36	K.PIPES-NEILSEN	USA	1996	1:02.70	WENKE HANSEN	USA	2000
100 M. FREE				1:03.81	KELLY HARRIGAN	USA	2014	1:03.04	ANJA BEHA	GER	2005
54.75	ERIKA ERNDL	USA	2012	1:04.03	J HUDGELL	NZL	1986	1:03.12	PAULINE GOUWENS	NED	2014
55.11	ALENA POPCHANKA	FRA	2009	1:04.16	D.GRANER-GALLAS	USA	1996	200 M. FLY			
55.59	TATIANA BARBOSA	BRA	2008	1:04.30	CAMILLA JOHANSSON	SWE	2004	2:13.09	HITOMI MATSUDA	JPN	2008
56.32	HANNAH CALDAS	USA	2011	1:04.45	FLORENCE RIERA	FRA	2012	2:19.34	LAURA BIANZANI	ITA	2004
56.41	METTE JACOBSEN	DEN	2006	1:04.85	DESIREE CAPPA	ITA	2015	2:19.34	KATRINA RADKE	USA	2003
56.48	PASCALE VERBAUWEN	BEL	1993	200 M. BACK				2:19.64	K PIPES-NEILSEN	USA	1996
56.49	HITOMI MATSUDA	JPN	2010	2:11.86	KANA YAMAGUCHI	JPN	2012	2:20.41	L. CARVALHO	AUS	2011
57.33	JANET MAYVILLE	CAN	2006	2:12.47	L.OBERSTAR-BROWN	USA	2008	2:21.21	FLORENCE CIOTTI	ITA	2006
57.35	S.NEILSON-BELL	USA	1988	2:13.51	K.PIPES-NEILSEN	USA	1996	2:23.00	ANTJE AUHL	GER	2009
57.46	KATRINA RADKE	USA	2003	2:18.19	JOANNA CORBEN	GBR	2002	2:23.60	LUCY LLOYD-ROACH	GBR	2014
200 M. FREE				2:19.60	D.GRANER-GALLAS	USA	1996	2:24.17	KATE VEALE	GBR	2000
2:02.60	HITOMI MATSUDA	JPN	2010	2:19.66	JO SWATTON	GBR	2000	2:24.52	MELISSA VARLAS	USA	2005
2:03.91	CAROLINE SAXBY	GBR	2013	2:21.41	VALERIE HADD	CAN	2009	100 M. I.M.			
2:04.64	K PIPES-NEILSEN	USA	1996	2:21.80	YOSHIMI HAMADA	JPN	2010	1:02.07	MARTINA MORAVCOVA	USA	2006
2:04.98	LYNN MARSHALL	CAN	1991	2:21.96	ORIANA BURGIO	ITA	2013	1:02.52	ERIKA ERNDL	USA	2012
2:05.94	BARBARA KEHBEIN	GER	2000	2:22.60	DESIREE CAPPA	ITA	2015	1:02.55	HITOMI MATSUDA	JPN	2010
2:06.24	J.RADECKE-NOBLE	USA	2014	50 M. BRST				1:04.30	ROSER VIVES	ESP	2014
2:06.33	BROOKE BENNETT	USA	2012	31.12	BRITTA STEVENS	GER	2003	1:04.44	NADINE ROLLAND	CAN	2005
2:06.39	KELLY HIGGINS	AUS	2011	31.35	NICOLE HEIDEMANN	GER	2015	1:04.68	N.VINOKURENKOVA	RUS	2013
2:06.39	LAUREN THIES	USA	2010	31.71	HITOMI MATSUDA	JPN	2010	1:04.75	KATY SEXTON	GBR	2014
2:06.55	KATJA TROSIEN	GER	2008	32.13	N.VINOKURENKOVA	RUS	2013	1:04.82	NORIKO INADA	USA	2011
400 M. FREE				32.17	HANNAH CALDAS	USA	2011	1:04.83	NICOLE HEIDEMANN	GER	2015
4:15.04	SOPHIE CASSON	GBR	2015	32.72	YUKO SAKAGUCHI	JPN	2010	1:04.96	WENKE HANSEN	USA	1999
4:17.82	DAWN HECKMAN	USA	2011	32.82	WENKE HANSEN	USA	2000	200 M. I.M.			
4:18.86	HITOMI MATSUDA	JPN	2010	32.85	GEORGINA HEYN	GBR	2014	2:13.41	HITOMI MATSUDA	JPN	2009
4:20.26	BROOKE BENNETT	USA	2012	32.95	MARIONA COSTA	ESP	2010	2:17.01	N.VINOKURENKOVA	RUS	2014
4:21.80	CAROLINE SAXBY	GBR	2013	33.03	KARIN HIDDING	NED	2015	2:18.79	K.PIPES-NEILSEN	USA	1996
4:22.70	K PIPES-NEILSEN	USA	1996	100 M. BRST				2:18.89	WENKE HANSEN	USA	2000
4:22.75	YWETTA HLAVACOVA	CZE	2006	1:06.98	HITOMI MATSUDA	JPN	2010	2:19.07	KANA YAMAGUCHI	JPN	2010
4:22.77	ERIKA HANSEN	USA	2003	1:09.53	NICOLE HEIDEMANN	GER	2015	2:22.66	CYNTHIA LEWIS	USA	2009
4:25.56	KIRSTEN CAMERON	NZL	2007	1:09.58	N.VINOKURENKOVA	RUS	2013	2:22.68	LAUREN THIES	USA	2010
4:26.43	KELLY HIGGINS	AUS	2011	1:10.00	WENKE HANSEN	USA	2000	2:22.72	KATRINA RADKE	USA	2003
800 M. FREE				1:11.33	SUSANNE HOCK	GER	2015	2:22.73	KANA OHASHI	JPN	2009
8:38.58	DAWN HECKMAN	USA	2011	1:11.49	MARIONA COSTA	ESP	2010	2:23.04	A.JANITZKI	GER	2010
8:53.61	BROOKE BENNETT	USA	2012	1:11.74	YUKO SAKAGUCHI	JPN	2010	400 M. I.M.			
8:54.86	HITOMI MATSUDA	JPN	2010	1:11.81	SUKI BROWNSDON	GBR	1995	4:45.07	HITOMI MATSUDA	JPN	2010
9:01.21	KIRSTEN CAMERON	NZL	2007	1:12.05	CYNTHIA LEWIS	USA	2009	4:50.66	N.VINOKURENKOVA	RUS	2014
9:06.49	ERIKA HANSEN	USA	2003	1:12.61	HANNAH CALDAS	USA	2011	4:51.33	HIDEKO HIRANAKA	JPN	2004
9:08.32	LYNN MARSHALL	CAN	1993	200 M. BRST				4:53.85	K PIPES-NEILSEN	USA	1996
9:08.34	K.PIPES-NEILSEN	USA	1996	2:26.96	HITOMI MATSUDA	JPN	2009	4:55.62	KANA YAMAGUCHI	JPN	2010
9:14.03	ASA NEIJ	SWE	2004	2:30.65	WENKE HANSEN	USA	2000	4:58.16	KANA OHASHI	JPN	2009
9:16.65	KELLY HIGGINS	AUS	2011	2:33.57	N.VINOKURENKOVA	RUS	2014	5:04.56	BARBARA KEHBEIN	GER	2000
9:17.55	BETH KNIGHT	USA	1990	2:35.60	ULRIKE GERNER	GER	2013	5:05.92	ANNE VELEZ	FRA	2011
1500 M. FREE				2:35.72	KATIE HENDERSON	GBR	2011	5:06.05	SUKI BROWNSDON	GBR	1997
16:26.93	DAWN HECKMAN	USA	2011	2:36.13	GEORGINA HEYN	GBR	2014	5:07.17	CYNTHIA LEWIS	USA	2009
17:01.56	KIRSTEN CAMERON	NZL	2007	2:36.18	NICOLE HEIDEMANN	GER	2012	*****			
17:13.38	HITOMI MATSUDA	JPN	2007	2:37.34	A.JANITZKI	GER	2010	WOMEN 35-39			
17:21.99	LYNN MARSHALL	CAN	1992	2:37.60	MARIONA COSTA	ESP	2010	*****			
17:23.60	KAREN BURTON	USA	1994	2:37.84	CYNTHIA LEWIS	USA	2008	50 M. FREE			
17:25.33	BROOKE BENNETT	USA	2011	50 M. FLY				25.10	DARA TORRES	USA	2006
17:33.66	KELLY HIGGINS	AUS	2011	26.79	MARTINA MORAVCOVA	USA	2006	25.82	SANDRA KAZIKOVA	CZE	2011
17:44.19	ALISON ZAMANIAN	USA	2004	27.08	S.KNYAGINIA	RUS	2014	25.91	OLESYA BOUROVA	ITA	2015
17:46.97	JACQUI ROBINSON	AUS	2005	27.80	IRINA SHLEMOVA	RUS	2014	26.05	M.VALKO	USA	2011
17:48.12	CYNTHIA LEWIS	USA	2009	27.81	METTE JACOBSEN	DEN	2006	26.13	S.NEILSON-BELL	USA	1995
50 M. BACK				27.89	NORIKO INADA	USA	2011	26.27	NORIKO INADA	USA	2014
27.43	MAI NAKAMURA	JPN	2009	27.95	PAULINE GOUWENS	NED	2015	26.32	LAURA ROCA	ESP	2015
27.61	NORIKO INADA	USA	2009	27.97	NADINE ROLLAND	CAN	2008	26.33	ZOE CRAY	GBR	2010
28.99	METTE JACOBSEN	DEN	2006	28.05	KATRINA RADKE	USA	2004	26.36	HITOMI MATSUDA	JPN	2012
29.28	ALENA NYVITOVA	CZE	2013	28.16	HITOMI MATSUDA	JPN	2010	26.37	R.CRESCENTINI	ITA	2014
29.44	NADINE ROLLAND	CAN	2005	28.19	KATY SEXTON	GBR	2014	100 M. FREE			
29.53	KANA YAMAGUCHI	JPN	2012	28.19	NICOLE HEIDEMANN	GER	2013	54.95	DARA TORRES	USA	2006
29.58	KANA OHASHI	JPN	2009	100 M. FLY				57.12	LAURA ROCA	ESP	2015
29.80	KATY SEXTON	GBR	2014	59.11	MARTINA MORAVCOVA	USA	2006	57.48	ZOE CRAY	GBR	2010
30.03	KATIE BIRCHALL	GBR	2012	1:00.11	METTE JACOBSEN	DEN	2006	57.60	HITOMI MATSUDA	JPN	2014
30.08	NAHOMI SHIRATA	JPN	2006	1:00.34	ERIKA ERNDL	USA	2012	57.65	K PIPES-NEILSEN	USA	2000
100 M. BACK				1:00.35	HITOMI MATSUDA	JPN	2008	57.79	KARIN SEICK	GER	1996
59.53	NORIKO INADA	USA	2009	1:01.19	CLAUDIA BECK	GER	2011				



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57.94	R.CRESCENTINI	ITA	2014	2:13.37	KANA OHASHI	JPN	2013	2:23.89	L. CARVALHO	AUS	2015
58.09	SHERI HART	USA	2008	2:14.10	K PIPES-NEILSEN	USA	1997	2:24.80	KATE VEALE	GBR	2002
58.13	ERIKA BRAUN	USA	2011	2:14.49	GISELI PEREIRA	BRA	2009	2:25.06	JILL HERNANDEZ	USA	1997
58.36	OLESYA BOUROVA	ITA	2015	2:17.61	C.J-SPONSELLER	SWE	2012	2:25.52	NADINE DAY	USA	2006
200	M. FREE			2:19.82	JOANNA CORBEN	GBR	2006	2:25.81	ALISON ZAMANIAN	USA	2009
2:03.12	HITOMI MATSUDA	JPN	2012	2:22.03	HITOMI MATSUDA	JPN	2012	100	M. I.M.		
2:03.56	K PIPES-NEILSEN	USA	1997	2:22.08	CINDY MABEE	CAN	2008	1:03.17	HITOMI MATSUDA	JPN	2012
2:04.92	LAURA ROCA	ESP	2015	2:22.62	NORIKO INADA	USA	2015	1:04.61	SHERI HART	USA	2009
2:05.70	KIRSTEN CAMERON	NZL	2010	2:22.82	DAPHNE FUCHS	GER	1998	1:05.13	LAURA ROCA	ESP	2015
2:06.18	LAUREEN WELTING	USA	2000	2:23.23	ASA NEIJ	SWE	2010	1:05.40	K PIPES-NEILSEN	USA	2000
2:06.86	JILL HERNANDEZ	USA	1999	50	M. BRST			1:05.53	ZOE CRAY	GBR	2009
2:06.96	D GRANER GALLAS	USA	1999	31.87	HITOMI MATSUDA	JPN	2012	1:06.10	R.CRESCENTINI	ITA	2011
2:06.99	VALERIA VERGANI	ITA	2006	32.13	LINLEY FRAME	AUS	2010	1:06.34	KATIE GLENN	USA	2015
2:07.15	CINDY BERTELINK	CAN	2013	32.35	R.CRESCENTINI	ITA	2012	1:06.34	CYNTHIA LEWIS	USA	2012
2:07.36	MELANIA BUSSIÈRE	CAN	2008	32.48	KATIE GLENN	USA	2015	1:06.43	KANA OHASHI	JPN	2013
400	M. FREE			32.89	ANNA-KARIN LUNDIN	SWE	2011	1:06.50	SILVIA PAROCCHI	ITA	2005
4:22.56	K PIPES-NEILSEN	USA	1999	33.03	CAROLINE KRATTLI	USA	2000	200	M. I.M.		
4:24.56	LAUREEN WELTING	USA	2000	33.06	CYNTHIA LEWIS	USA	2014	2:17.69	HITOMI MATSUDA	JPN	2012
4:25.52	CINDY BERTELINK	CAN	2013	33.14	KELLY LEGASPI	USA	2009	2:19.08	K PIPES-NEILSEN	USA	2000
4:26.00	HITOMI MATSUDA	JPN	2012	33.29	LAURA ROCA	ESP	2015	2:21.30	LAURA ROCA	ESP	2015
4:26.57	JILL HERNANDEZ	USA	1999	33.89	DAGMAR HILBIG	GER	1993	2:22.19	CYNTHIA LEWIS	USA	2014
4:27.62	VALERIA VERGANI	ITA	2006	100	M. BRST			2:22.54	KANA OHASHI	JPN	2013
4:28.14	CYNTHIA LEWIS	USA	2014	1:09.20	HITOMI MATSUDA	JPN	2012	2:23.47	DEBBIE YOUNGER	CAN	2005
4:29.09	PENNY BOND	AUS	1999	1:09.41	CYNTHIA LEWIS	USA	2014	2:24.60	CINDY BERTELINK	CAN	2013
4:29.30	KIRSTEN CAMERON	NZL	2010	1:10.59	KATIE GLENN	USA	2015	2:24.67	C.J-SPONSELLER	SWE	2012
4:29.71	ASA NEIJ	SWE	2008	1:10.65	LINLEY FRAME	AUS	2010	2:24.94	NADINE DAY	USA	2005
800	M. FREE			1:11.97	CAROLINE KRATTLI	USA	2000	2:25.26	KARIN SEICK	GER	1996
8:57.30	KIRSTEN CAMERON	NZL	2010	1:12.13	ANNA-KARIN LUNDIN	SWE	2012	400	M. I.M.		
8:57.60	HEIDI GEORGE	USA	2015	1:12.30	R.CRESCENTINI	ITA	2011	4:52.83	K PIPES-NEILSEN	USA	1997
9:02.52	HITOMI MATSUDA	JPN	2012	1:12.79	SATSUKI HIRUKAWA	JPN	2015	4:55.84	HITOMI MATSUDA	JPN	2012
9:12.97	ALISON ZAMANIAN	USA	2006	1:12.95	LAURA ROCA	ESP	2015	5:01.26	KANA OHASHI	JPN	2013
9:13.05	ASA NEIJ	SWE	2008	1:13.08	KELLY LEGASPI	USA	2009	5:02.22	LAUREEN WELTING	USA	2000
9:14.27	LAURIE HUG	USA	2000	200	M. BRST			5:07.20	CAROLINA BENEYTO	ESP	2015
9:14.92	KRISTINA ULVELING	USA	2008	2:30.63	HITOMI MATSUDA	JPN	2012	5:08.03	CYNTHIA LEWIS	USA	2011
9:15.40	K PIPES-NEILSEN	USA	1998	2:33.73	CYNTHIA LEWIS	USA	2014	5:09.04	CINDY BERTELINK	CAN	2013
9:17.93	PENNY BOND	AUS	1997	2:36.04	CAROLINE KRATTLI	USA	2000	5:09.87	NADINE DAY	USA	2006
9:19.78	CAROLINA BENEYTO	ESP	2015	2:36.84	YUKO MORITA	JPN	2012	5:10.43	JILL HERNANDEZ	USA	1999
1500	M. FREE			2:37.13	KATIE GLENN	USA	2015	5:10.65	ANA PAULA GRILO	POR	2005
16:52.94	HEIDI GEORGE	USA	2015	2:37.21	CAROLINA BENEYTO	ESP	2015	*****			
17:07.48	KIRSTEN CAMERON	NZL	2010	2:39.04	ANNA-KARIN LUNDIN	SWE	2011	WOMEN 40-44			
17:27.84	LAURIE HUG	USA	2000	2:41.19	SATSUKI HIRUKAWA	JPN	2015	*****			
17:30.90	HITOMI MATSUDA	JPN	2014	2:41.24	KAREN KEY	GBR	2011	50	M. FREE		
17:35.69	PENNY BOND	AUS	1997	2:42.22	YUKA KAWAI	JPN	2011	26.02	ERIKA BRAUN	USA	2014
17:36.24	K PIPES-NEILSEN	USA	1999	50	M. FLY			26.40	MARIKA JOHANSSON	SWE	2008
17:36.58	KRISTINA ULVELING	USA	2008	27.45	NORIKO INADA	USA	2015	26.50	LISA BLACKBURN	USA	2015
17:42.37	ASA NEIJ	SWE	2010	28.28	R.CRESCENTINI	ITA	2013	26.66	S.NEILSON-BELL	USA	1996
17:43.10	BETH KNIGHT	USA	1994	28.30	GABRIELA KOSTKOVA	CZE	2014	26.67	EDITH OTTERMANN	RSA	2007
17:46.79	VALERIA VERGANI	ITA	2008	28.37	GISELI PEREIRA	BRA	2009	26.70	S. VON DER LIPPE	USA	2008
50	M. BACK			28.58	HITOMI MATSUDA	JPN	2013	26.70	GIOVANNI MORELLI	SUI	2007
27.81	NORIKO INADA	USA	2015	28.58	SHERI HART	USA	2009	26.75	JUNKO NAKANO	JPN	2010
28.68	SHERI HART	USA	2009	28.60	YOKO YAMAGUCHI	JPN	2009	26.95	EKATERINA YUDINA	RUS	2015
29.00	GISELI PEREIRA	BRA	2009	28.61	YAYOI SAKAMOTO	JPN	2013	26.95	BETH KNIGHT	USA	1999
29.34	ZOE CRAY	GBR	2009	28.64	MABI TSUKIOKA	JPN	2015	100	M. FREE		
29.84	KANA OHASHI	JPN	2013	100	M. FLY			57.08	ERIKA BRAUN	USA	2014
29.91	CINDY MABEE	CAN	2008	1:01.88	HITOMI MATSUDA	JPN	2014	57.20	LISA BLACKBURN	USA	2015
30.40	NAHOMI SHIRATA	JPN	2011	1:01.96	DIANE BUI DUYET	FRA	2015	57.55	S.VON DER LIPPE	USA	2008
30.67	C.J-SPONSELLER	SWE	2012	1:03.07	DEBBIE YOUNGER	CAN	2005	57.60	K PIPES-NEILSEN	USA	2003
30.73	BERIT PUGGAARD	DEN	2009	1:03.29	K PIPES-NEILSEN	USA	1997	58.54	RAAKEL LUOTO	FIN	2015
30.73	K PIPES-NEILSEN	USA	1999	1:03.32	MABI TSUKIOKA	JPN	2014	58.81	JILL HERNANDEZ	USA	2000
100	M. BACK			1:03.76	JUNKO ONISHI	JPN	2012	59.14	JENNIE BUCKNELL	AUS	2010
1:00.56	NORIKO INADA	USA	2015	1:03.96	SOPHIA SKOU	DEN	2011	59.37	ANNA HAMMAR	SWE	2012
1:02.36	SHERI HART	USA	2009	1:04.01	KYOKO YAMADA	JPN	2009	59.39	ZOE CRAY	GBR	2014
1:02.81	KANA OHASHI	JPN	2013	1:04.09	MELANIA BUSSIÈRE	CAN	2008	59.43	BARBARA KEHBEIN	GER	2012
1:03.11	GISELI PEREIRA	BRA	2009	1:04.18	R.CRESCENTINI	ITA	2013	200	M. FREE		
1:03.38	ZOE CRAY	GBR	2009	200	M. FLY			2:05.26	K PIPES-NEILSEN	USA	2003
1:03.56	K PIPES-NEILSEN	USA	1997	2:16.67	HITOMI MATSUDA	JPN	2012	2:05.55	S.VON DER LIPPE	USA	2008
1:04.61	CINDY MABEE	CAN	2008	2:18.41	K PIPES-NEILSEN	USA	1997	2:06.81	JILL HERNANDEZ	USA	2000
1:05.03	C.J-SPONSELLER	SWE	2011	2:21.18	KYOKO YAMADA	JPN	2010	2:07.64	KIRSTEN CAMERON	GBR	2014
1:05.79	NAHOMI SHIRATA	JPN	2011	2:21.76	DEBBIE YOUNGER	CAN	2005	2:08.30	VALERIA VERGANI	ITA	2013
1:05.93	KARIN SEICK	GER	1996	2:22.52	ILDIKO SZEKELY	USA	2014	2:09.10	BIRGIT LOHBERG	USA	2009



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2:09.23	CYNTHIA LEWIS	USA	2015	32.20	LINLEY FRAME	AUS	2012	1:06.94	ERIKA BRAUN	USA	2013
2:09.32	BARBARA KEHBEIN	GER	2013	32.29	S.VON DER LIPPE	USA	2009	1:07.03	ZOE CRAY	GBR	2014
2:09.53	BETH KNIGHT	USA	1999	33.03	R.CRESCENTINI	ITA	2015	1:07.04	ANNA HAMMAR	SWE	2012
2:10.16	JODY SMITH	USA	2009	33.40	LISA BLACKBURN	USA	2015	1:07.20	CAROLINE KRATTLI	USA	2002
400 M. FREE				33.67	CAROLINE KRATTLI	USA	2003	1:07.35	MONICA SORO	ITA	2012
4:21.75	K PIPES-NEILSEN	USA	2003	33.69	STEFANIA MONTI	ITA	2010	200 M. I.M.			
4:24.22	JILL HERNANDEZ	USA	2000	33.81	ANNA HAMMAR	SWE	2012	2:19.21	S.VON DER LIPPE	USA	2007
4:24.42	KIRSTEN CAMERON	GBR	2014	33.98	HELEN GORMAN	GBR	2014	2:19.83	LISA BLACKBURN	USA	2015
4:28.58	VALERIA VERGANI	ITA	2013	34.10	S.CONDOR-FISHER	USA	2014	2:20.55	K PIPES-NEILSEN	USA	2003
4:28.58	AMANDA PICARD	SUI	2008	34.11	MAGGIE KELLY	GBR	2000	2:22.51	JILL HERNANDEZ	USA	2000
4:32.38	ALISON ZAMANIAN	USA	2011	100 M. BRST				2:24.22	WENKE SEIDER	USA	2013
4:32.89	LYNN MARSHALL	CAN	2001	1:09.95	CYNTHIA LEWIS	USA	2015	2:25.86	BIRGIT LOHBERG	USA	2006
4:34.33	S.VON DER LIPPE	USA	2009	1:10.22	LINLEY FRAME	AUS	2015	2:26.51	CAROLINE KRATTLI	USA	2003
4:34.83	BIRGIT LOHBERG	USA	2005	1:10.55	S.VON DER LIPPE	USA	2007	2:26.80	ANGELA DELISSEN	GER	2009
4:34.83	SUZANN HEIM-BOWEN	USA	1998	1:12.08	CAROLINE KRATTLI	USA	2003	2:27.05	HELEN GORMAN	GBR	2014
800 M. FREE				1:12.32	LISA BLACKBURN	USA	2013	2:27.20	VALERIA VERGANI	ITA	2013
8:56.23	KIRSTEN CAMERON	GBR	2013	1:12.47	HELEN GORMAN	GBR	2014	400 M. I.M.			
9:09.71	K PIPES-NEILSEN	USA	2003	1:13.16	MARZENA KULIS	ITA	2007	5:00.82	K PIPES-NEILSEN	USA	2002
9:16.07	AMANDA PICARD	SUI	2008	1:13.60	ANNA HAMMAR	SWE	2012	5:02.17	JILL HERNANDEZ	USA	2000
9:18.17	ALISON ZAMANIAN	USA	2011	1:14.33	WENKE SEIDER	USA	2013	5:03.49	SUSAN VD LIPPE	USA	2006
9:19.15	VALERIA VERGANI	ITA	2012	1:14.40	KAREN KEY	GBR	2014	5:05.07	CYNTHIA LEWIS	USA	2015
9:21.44	LYNN MARSHALL	CAN	2001	200 M. BRST				5:11.10	VALERIA VERGANI	ITA	2013
9:26.96	N.MUIR-COCHRANE	GBR	2004	2:32.37	S.VON DER LIPPE	USA	2008	5:13.39	BIRGIT LOHBERG	USA	2006
9:29.90	SUZANN HEIM-BOWEN	USA	1998	2:35.79	LINLEY FRAME	AUS	2011	5:13.86	VIBEKE SWANSON	USA	2001
9:30.29	LESLEIGH MAYES	AUS	2000	2:36.56	HELEN GORMAN	GBR	2014	5:15.87	ANA PAULA GRILO	ESP	2009
9:32.90	LAURIE HUG	USA	2008	2:38.20	CYNTHIA LEWIS	USA	2015	5:16.55	HELEN WHITFORD	AUS	2009
1500 M. FREE				2:39.05	LISA BLACKBURN	CAN	2013	5:18.12	LISA BLACKBURN	USA	2012
17:01.66	KIRSTEN CAMERON	GBR	2015	2:39.10	CAROLINE KRATTLI	USA	2002				
17:35.49	ALISON ZAMANIAN	USA	2010	2:41.87	H.MORRIS-EYTON	RSA	2009	*****			
17:36.73	VALERIA VERGANI	ITA	2013	2:41.88	WENKE SEIDER	USA	2013	WOMEN 45-49			
17:38.37	LYNN MARSHALL	CAN	2002	2:43.50	KAREN KEY	GBR	2014	*****			
17:45.50	K PIPES-NEILSEN	USA	2003	2:43.88	MARZENA KULIS	ITA	2008	50 M. FREE			
17:52.93	N.MUIR-COCHRANE	GBR	2004	50 M. FLY				26.37	M.FUZZATI	SUI	2013
17:55.11	AMANDA PICARD	SUI	2009	28.13	GABRIELE BLANK	GER	2006	26.59	EDITH OTTERMANN	RSA	2011
18:02.62	SUZANN HEIM-BOWEN	USA	1998	28.19	ERIKA BRAUN	USA	2013	26.94	JENNIE BUCKNELL	AUS	2015
18:03.41	LAURIE HUG	USA	2008	28.21	SUSAN VD LIPPE	USA	2005	26.96	MARIKA JOHANSSON	SWE	2011
18:11.24	GRITH SIGSGAARD	NED	2014	28.33	R.CRESCENTINI	ITA	2015	27.02	OLGA BORISOVA	RUS	2012
50 M. BACK				28.86	SILVIA PAROCCHI	ITA	2007	27.09	K.PIPES-NEILSEN	USA	2007
29.84	ZOE CRAY	GBR	2014	29.05	EKATERINA YUDINA	RUS	2015	27.14	FALL WILLEBOORDSE	USA	2015
29.89	RAAKEL LUOTO	FIN	2015	29.06	ASTRID BENCSEK	SWE	2000	27.17	HAYLEY BETTINSON	GBR	2009
29.96	GISELI PEREIRA	BRA	2012	29.07	EDITH OTTERMANN	RSA	2009	27.18	M.T.VILLAFRANCA	ESP	2015
30.00	CINDY MABEE	CAN	2009	29.12	OLGA POZDNYAKOVA	RUS	2015	27.31	SARAH MACDONALD	CAN	2005
30.02	SHERI HART	USA	2012	29.15	WENKE SEIDER	USA	2013	100 M. FREE			
30.55	ANDREA KUTZ	GER	2013	100 M. FLY				58.43	M.FUZZATI	SUI	2014
30.72	JODY SMITH	USA	2009	1:01.70	S.VON DER LIPPE	USA	2009	58.61	K.PIPES-NEILSEN	USA	2007
30.74	KRISTIN GARY	USA	2008	1:03.31	K PIPES-NEILSEN	USA	2003	59.30	ANNA HAMMAR	SWE	2013
30.97	K.PIPES-NEILSEN	USA	2005	1:03.76	SOPHIA SKOU	DEN	2015	59.58	SARAH MACDONALD	CAN	2005
30.98	ERIKA BRAUN	USA	2014	1:04.91	YOKO YAMAGUCHI	JPN	2010	59.64	BARBARA KEHBEIN	GER	2015
100 M. BACK				1:04.93	SILVIA PAROCCHI	ITA	2006	59.93	JENNIE BUCKNELL	AUS	2015
1:03.48	SHERI HART	USA	2011	1:04.98	WENKE SEIDER	USA	2013	1:00.22	ANETTE PHILIPSSON	SWE	2012
1:04.63	CINDY MABEE	CAN	2009	1:05.19	BIRGIT LOHBERG	USA	2009	1:00.24	FALL WILLEBOORDSE	USA	2012
1:05.33	RAAKEL LUOTO	FIN	2015	1:05.45	DANIELA DE PONTI	ITA	2006	1:00.41	KARIN SEICK	GER	2007
1:05.43	K PIPES-NEILSEN	USA	2002	1:05.49	BETH BAKER	USA	2001	1:00.49	MONICA SORO	ITA	2015
1:05.51	KRISTIN GARY	USA	2011	1:05.84	JILL HERNANDEZ	USA	2000	200 M. FREE			
1:05.52	GISELI PEREIRA	BRA	2012	200 M. FLY				2:05.94	K.PIPES-NEILSEN	USA	2007
1:05.91	JODY SMITH	USA	2009	2:20.66	SUSAN VD LIPPE	USA	2006	2:10.32	ELLEN REYNOLDS	USA	2012
1:06.21	C.J-SPONSELLER	SWE	2015	2:20.71	K PIPES-NEILSEN	USA	2002	2:10.47	BARBARA KEHBEIN	GER	2014
1:06.61	SILVIA PAROCCHI	ITA	2008	2:25.30	JUDY BROWN	GBR	2005	2:10.91	S HEIM-BOWEN	USA	2003
1:06.83	SYLVIE ALLERY	FRA	2012	2:26.07	BIRGIT LOHBERG	USA	2006	2:10.94	M.FUZZATI	SUI	2014
200 M. BACK				2:26.15	BETH BAKER	USA	2001	2:11.00	LYNN MARSHALL	CAN	2006
2:19.06	JODY SMITH	USA	2009	2:26.31	YOKO YAMAGUCHI	JPN	2010	2:11.09	JENNY WHITELEY	AUS	2003
2:19.09	K PIPES-NEILSEN	USA	2003	2:26.99	NICOLA LATTY	GBR	2012	2:12.72	REBECCA PERROTT	NZL	2009
2:21.95	JOANNA CORBEN	GBR	2012	2:27.12	JULIE GIBSON	GBR	2009	2:13.16	BIRGIT LOHBERG	USA	2012
2:22.02	CINDY MABEE	CAN	2009	2:27.65	ANGELA DELISSEN	GER	2008	2:13.18	MONICA SORO	ITA	2015
2:22.14	GISELI PEREIRA	BRA	2014	2:28.20	BARBARA KEHBEIN	GER	2013	400 M. FREE			
2:22.68	KRISTIN GARY	USA	2008	100 M. I.M.				4:25.34	K.PIPES-NEILSEN	USA	2009
2:23.22	SILVIA PAROCCHI	ITA	2006	1:04.19	LISA BLACKBURN	USA	2015	4:30.98	S HEIM-BOWEN	USA	2003
2:25.78	BETH BAKER	USA	2001	1:04.25	S.VON DER LIPPE	USA	2008	4:33.09	LYNN MARSHALL	CAN	2006
2:26.31	HELEN WHITFORD	AUS	2011	1:05.56	K PIPES-NEILSEN	USA	2003	4:38.46	STEPHANIE STONE	USA	2014
2:27.40	LAURA SMITH	USA	2008	1:06.13	RAAKEL LUOTO	FIN	2015	4:38.71	SUSANNA ROSEN	SWE	2010
50 M. BRST				1:06.91	SHERI HART	USA	2011	4:41.91	REBECCA PERROTT	NZL	2009



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4:42.57	ELLEN REYNOLDS	USA	2011	1:11.78	MARZENA KULIS	ITA	2009	2:29.69	CAROLINE KRATTLI	USA	2007
4:43.49	JENNY WHITELEY	AUS	2003	1:12.64	ANNA HAMMAR	SWE	2013	2:30.10	BARBARA KEHBEIN	GER	2014
4:43.60	MARGEE CURRAN	USA	2007	1:13.30	S.VON DER LIPPE	USA	2010	2:30.11	SILVIA PAROCCHI	ITA	2011
4:43.85	BARBARA GELLRRICH	GER	2007	1:13.38	CAROLINE KRATTLI	USA	2007	2:30.44	ANETTE PHILIPSSON	SWE	2012
800 M. FREE				1:13.98	WENKE SEIDER	USA	2014	2:31.27	LISA WARD	USA	2009
9:11.37	K.PIPES-NEILSEN	USA	2009	1:15.86	MONICA CORO	ITA	2007	400 M. I.M.			
9:21.65	LYNN MARSHALL	CAN	2006	1:16.06	K.PIPES-NEILSEN	USA	2007	5:00.29	K.PIPES-NEILSEN	FRA	2009
9:25.12	SUSANNA ROSEN	SWE	2010	1:16.52	SABINA VITALONI	ITA	2015	5:17.29	ELLEN REYNOLDS	USA	2011
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:17.09	DEIRDRE MORRIS	IRL	2015	5:17.54	STEPHANIE STONE	USA	2014
9:35.81	CLAUDIA KERN	GER	2009	1:17.16	MAGGIE KELLY	GBR	2001	5:19.13	LYNN MARSHALL	CAN	2006
9:40.50	MARGEE CURRAN	USA	2007	200 M. BRST				5:19.58	VIBEKE SWANSON	USA	2006
9:40.69	SUSANNE SIMPSON	USA	2008	2:37.19	MARZENA KULIS	ITA	2009	5:22.81	FRANCA BOSISIO	ITA	2014
9:41.99	BARBARA GELLRRICH	GER	2007	2:38.00	S.VON DER LIPPE	USA	2010	5:27.12	LISA WARD	USA	2009
9:43.60	STEPHANIE STONE	USA	2015	2:42.10	CAROLINE KRATTLI	USA	2007	5:27.24	JOANNA CORBEN	GBR	2015
9:44.52	LAURIE HUG	USA	2014	2:44.60	H.MORRIS-EYTON	RSA	2012	5:27.52	ANGELA DELISSEN	GER	2012
1500 M. FREE				2:47.91	K.PIPES-NEILSEN	FRA	2009	5:27.76	ANETTE PHILIPSSON	SWE	2013
17:22.01	ALISON ZAMANIAN	USA	2015	2:48.38	JENNY WHITELEY	AUS	2003	*****			
17:46.32	LYNN MARSHALL	CAN	2007	2:48.56	JUDIT HAIDU	AUT	2007	WOMEN 50-54			
17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:49.50	MONICA CORO	ITA	2007	*****			
18:23.90	LAURIE HUG	USA	2011	2:49.55	LORRAINE WHEATLEY	GBR	2013	50 M. FREE			
18:34.32	NORMA CAHILL	IRL	2011	2:50.41	CLAUDIA KERN	GER	2009	26.27	M.FUZZATI	FRA	2015
18:34.95	SUSANNA ROSEN	SWE	2009	50 M. FLY				26.87	ANETTE PHILIPSSON	SWE	2015
18:38.83	ANDREA BLOCK	USA	2009	28.72	S.VON DER LIPPE	USA	2010	27.67	MARIA NORBERG	SWE	2014
18:40.49	SUSANNE SIMPSON	USA	2008	29.08	WENKE SEIDER	USA	2014	27.67	SUE WALSH	USA	2014
18:41.77	M.ELIAS-WILLIAMS	USA	2009	29.10	HAYLEY BETTINSON	GBR	2009	27.73	LESLIE LIVINGSTON	USA	2015
18:47.03	SANDRINE MEUGNIOT	FRA	2014	29.21	LAURIE DITOMMASO	USA	2008	27.81	SARAH MACDONALD	CAN	2011
50 M. BACK				29.27	SUSAN WILLIAMS	USA	2013	28.00	HAYLEY BETTINSON	GBR	2013
30.25	CINDY MABEE	CAN	2014	29.37	EDITH OTTERMANN	RSA	2011	28.00	JENNY WHITELEY	AUS	2009
30.58	K.PIPES-NEILSEN	USA	2007	29.40	K.PIPES-NEILSEN	FRA	2009	28.11	S.HEIM-BOWEN	USA	2009
30.70	SUSAN WILLIAMS	USA	2013	29.65	MONICA SORO	ITA	2015	28.24	LIZ HOBBS	CAN	2011
31.12	FALL WILLEBOORDSE	USA	2012	29.69	LESLIE LIVINGSTON	USA	2009	100 M. FREE			
31.14	LESLIE LIVINGSTON	USA	2010	29.71	SHIZUKO HIRAISHI	JPN	2009	58.60	M.FUZZATI	FRA	2015
31.15	ELLEN REYNOLDS	USA	2011	100 M. FLY				1:00.80	ANETTE PHILIPSSON	SWE	2015
31.24	FRANCA BOSISIO	ITA	2014	1:03.47	S.VON DER LIPPE	USA	2010	1:01.41	ELLEN REYNOLDS	USA	2014
31.25	MONICA SORO	ITA	2015	1:03.96	K.PIPES-NEILSEN	USA	2009	1:01.49	LAURA VAL	USA	2001
31.26	SYLVIE ALLERY	FRA	2014	1:04.38	WENKE SEIDER	USA	2014	1:01.64	JENNY WHITELEY	AUS	2009
31.43	M.FUZZATI	SUI	2014	1:06.05	BARBARA KEHBEIN	GER	2015	1:01.69	DANIELA DE PONTI	ITA	2015
100 M. BACK				1:06.28	FRANCA BOSISIO	ITA	2015	1:01.81	SARAH MACDONALD	CAN	2011
1:04.46	K.PIPES-NEILSEN	FRA	2009	1:06.69	FALL WILLEBOORDSE	USA	2011	1:01.90	JILL HERNANDEZ	USA	2013
1:04.49	CINDY MABEE	CAN	2014	1:06.75	DANIELA DE PONTI	ITA	2014	1:01.90	K.PIPES-NEILSEN	FRA	2012
1:05.51	ELLEN REYNOLDS	USA	2012	1:06.75	SHIZUKO HIRAISHI	JPN	2008	1:01.96	BARBARA GELLRRICH	GER	2011
1:07.27	JOANNA CORBEN	GBR	2015	1:06.84	SILVIA PAROCCHI	ITA	2012	200 M. FREE			
1:07.41	SUSAN WILLIAMS	USA	2011	1:06.87	MONICA SORO	ITA	2015	2:10.72	S.HEIM-BOWEN	USA	2009
1:07.60	SYLVIE ALLERY	FRA	2015	200 M. FLY				2:11.34	M.FUZZATI	SUI	2015
1:07.86	SILVIA PAROCCHI	ITA	2013	2:23.18	K.PIPES-NEILSEN	USA	2009	2:11.86	LIZ DILLMANN	USA	2015
1:07.94	FALL WILLEBOORDSE	USA	2014	2:24.08	S.VON DER LIPPE	USA	2010	2:12.80	JILL HERNANDEZ	USA	2013
1:08.49	ANNA HAMMAR	SWE	2013	2:26.31	S. PALMER-WHITE	AUS	2009	2:13.21	LYNN MARSHALL	CAN	2011
1:08.98	M.FUZZATI	SUI	2014	2:26.45	BARBARA KEHBEIN	GER	2014	2:13.58	K.PIPES-NEILSEN	USA	2012
200 M. BACK				2:28.26	LYNN MARSHALL	CAN	2006	2:14.49	JENNY WHITELEY	AUS	2009
2:18.15	K.PIPES-NEILSEN	FRA	2009	2:29.23	FRANCA BOSISIO	ITA	2015	2:14.66	LAURA VAL	USA	2003
2:22.00	ELLEN REYNOLDS	USA	2012	2:29.32	SUZANNE SIMPSON	USA	2005	2:14.88	BARBARA GELLRRICH	GER	2011
2:22.81	JOANNA CORBEN	GBR	2015	2:30.44	ARLENE DELMAGE	USA	2008	2:15.85	MAITE GARCIA	ESP	2015
2:25.52	STEPHANIE STONE	USA	2014	2:32.09	SHIZUKO HIRAISHI	JPN	2010	400 M. FREE			
2:26.07	CINDY MABEE	CAN	2015	2:32.40	BIRGIT LOHBERG	USA	2012	4:34.81	LYNN MARSHALL	CAN	2011
2:26.57	SILVIA PAROCCHI	ITA	2011	100 M. I.M.				4:35.54	S.HEIM-BOWEN	USA	2009
2:28.11	LISA WARD	USA	2009	1:05.61	K.PIPES-NEILSEN	FRA	2009	4:35.80	JILL HERNANDEZ	USA	2013
2:28.12	HELEN WHITFORD	AUS	2014	1:06.58	S.VON DER LIPPE	USA	2010	4:43.61	JENNY WHITELEY	AUS	2008
2:31.42	LYNN MARSHALL	CAN	2006	1:06.88	ANNA HAMMAR	SWE	2013	4:45.72	LAURA VAL	USA	2003
2:31.49	SYLVIE ALLERY	FRA	2015	1:07.98	MONICA SORO	ITA	2015	4:46.11	ELLEN REYNOLDS	USA	2014
50 M. BRST				1:08.08	FALL WILLEBOORDSE	USA	2015	4:46.36	BARBARA GELLRRICH	GER	2011
33.56	MARZENA KULIS	ITA	2009	1:08.54	ANETTE PHILIPSSON	SWE	2012	4:46.96	K.PALACE	USA	2011
33.81	ANNA HAMMAR	SWE	2013	1:08.59	CAROLINE KRATTLI	USA	2007	4:48.68	JEANNE CARLSEN	CAN	2009
33.82	S.VON DER LIPPE	USA	2010	1:08.81	SARAH MACDONALD	CAN	2009	4:48.99	ILKA LOWENSTEYN	CAN	2015
33.94	CAROLINE KRATTLI	USA	2007	1:08.85	MARZENA KULIS	ITA	2009	800 M. FREE			
34.15	TRACEY MCFARLANE	USA	2012	1:09.17	SILVIA PAROCCHI	ITA	2012	9:23.45	LYNN MARSHALL	CAN	2011
34.36	ALISON NYE	GBR	2002	200 M. I.M.				9:29.62	S.HEIM-BOWEN	USA	2009
34.60	SWICZINSKY-KORDES	GER	2001	2:21.55	K.PIPES-NEILSEN	USA	2009	9:30.83	JILL HERNANDEZ	USA	2013
34.64	MAGGIE KELLY	GBR	2001	2:24.33	WENKE SEIDER	USA	2014	9:35.39	ELLEN REYNOLDS	USA	2014
34.70	JUDY GARAY	CAN	2005	2:26.26	ELLEN REYNOLDS	USA	2012	9:45.13	BARBARA GELLRRICH	GER	2012
34.75	WENKE SEIDER	USA	2014	2:27.02	ANNA HAMMAR	SWE	2014	9:47.23	NORMA CAHILL	IRL	2015
100 M. BRST				2:29.40	MARZENA KULIS	ITA	2009				



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9:47.94 K.PALACE	USA	2011	2:48.69 JENNY WHITELEY	AUS	2009	5:34.04 ANETTE PHILIPSSON	SWE	2015
9:49.92 JEANNE CARLSEN	CAN	2009	2:49.05 MONICA CORO	ITA	2013	5:34.04 ILKA LOWENSTEYN	CAN	2015
9:50.25 ILKA LOWENSTEYN	CAN	2015	2:49.21 MARZENA KULIS	ITA	2015	5:34.22 RIEKO SHOJI	JPN	2010
9:50.53 LAURA VAL	USA	2003	2:50.44 UTE HASSE	ESP	2015	5:35.42 JUDITH HATTLE	GBR	2012
1500 M. FREE			2:52.03 KATE SORENSEN	DEN	2011	5:35.90 BARBARA GELLRICH	GER	2012
17:49.23 LYNN MARSHALL	CAN	2013	2:52.57 CORRIN POPPS	USA	2014	5:36.28 LAURA VAL	USA	2002
17:51.33 S.HEIM-BOWEN	USA	2009	2:52.59 KIM CROUCH	USA	2013			
18:25.23 NORMA CAHILL	IRL	2015	2:52.84 CYNTHIA PINCOTT	CAN	2012	*****		
18:38.58 JEANNE CARLSEN	CAN	2009	2:55.99 T.PROKOFIEVA	RUS	2015	WOMEN 55-59		
18:49.27 ILKA LOWENSTEYN	CAN	2015	2:57.11 JENNY COOK	USA	2008	*****		
18:52.34 ENEY JONES	USA	2011	50 M. FLY			50 M. FREE		
18:56.50 K.PALACE	USA	2011	29.25 LESLIE LIVINGSTON	USA	2013	27.91 SARAH MACDONALD	CAN	2015
18:59.17 LAURA VAL	USA	2002	30.17 ANETTE PHILIPSSON	SWE	2015	28.49 LAURA VAL	USA	2009
19:04.24 JENNY WHITELEY	AUS	2008	30.26 M.FUZZATI	SUI	2015	28.58 JACKI HIRSTY	USA	2009
19:10.69 KATHERINE BRANCH	USA	2007	30.32 DANIELA DE PONTI	ITA	2015	28.64 CHRIS WENZEL	USA	2014
50 M. BACK			30.33 MARIA NORBERG	SWE	2015	28.77 JENNY WHITELEY	AUS	2013
30.27 LESLIE LIVINGSTON	USA	2015	30.38 ANGELA ZINGLER	GER	2005	28.81 BETH LUTZ KNIGHT	USA	2015
31.15 M.FUZZATI	SUI	2015	30.56 MARY ESTABROOK	USA	2011	28.99 KRISTIN HENDERSON	USA	2015
32.13 K.ANDRUS-HUGHES	USA	2008	30.60 TRACI GRANGER	USA	2008	29.05 PAT SARGEANT	USA	2008
32.35 K PIPES-NEILSEN	FRA	2012	30.62 HARUMI SUGINUMA	JPN	2009	29.16 REGULA STEIGER	SUI	2008
32.55 J SWAGERTY-HILL	USA	2002	30.72 HAYLEY BETTINSON	GBR	2013	29.30 CAREN MC NAMARA	USA	2015
32.63 HIROKO NOGUCHI	JPN	2015	100 M. FLY			100 M. FREE		
32.65 AROMA MARTORELL	BRA	2009	1:06.92 K PIPES-NEILSEN	FRA	2012	1:01.33 LAURA VAL	USA	2009
32.69 ANETTE PHILIPSSON	SWE	2015	1:07.18 DANIELA DE PONTI	ITA	2015	1:01.84 SARAH MACDONALD	CAN	2015
32.72 LAURA VAL	USA	2005	1:08.50 JUDITH HATTLE	GBR	2010	1:02.75 HEATHER CAMPBELL	NZL	2008
32.76 S.ZHIGUNOVA	RUS	2015	1:08.62 ANDREA BLOCK	USA	2011	1:04.18 BETH LUTZ KNIGHT	USA	2015
100 M. BACK			1:08.91 JILL HERNANDEZ	USA	2013	1:04.34 JENNY WHITELEY	AUS	2015
1:05.89 ELLEN REYNOLDS	USA	2014	1:09.05 LAURA VAL	USA	2001	1:04.60 VERONICA HIBBEN	USA	2013
1:08.12 K PIPES-NEILSEN	FRA	2012	1:09.28 ILKA LOWENSTEYN	CAN	2015	1:04.77 PAT SARGEANT	USA	2008
1:08.85 LESLIE LIVINGSTON	USA	2012	1:09.38 LESLIE LIVINGSTON	USA	2012	1:04.85 CHRIS WENZEL	USA	2014
1:09.14 M.FUZZATI	FRA	2015	1:09.54 LYNN MARSHALL	CAN	2012	1:04.97 GAIL AMUNDRUD	CAN	2013
1:10.21 LYNN MARSHALL	CAN	2011	1:09.94 JENNY WHITELEY	AUS	2008	1:05.09 K.ANDRUS-HUGHES	USA	2012
1:10.35 K.ANDRUS-HUGHES	USA	2007	1:09.94 TRACI GRANGER	USA	2008	200 M. FREE		
1:10.51 L.PELT-DILLER	USA	2008	200 M. FLY			2:14.45 LAURA VAL	USA	2009
1:11.33 ANN KOURI	CAN	2011	2:28.08 LYNN MARSHALL	CAN	2011	2:19.23 JENNY WHITELEY	AUS	2015
1:11.87 ANETTE PHILIPSSON	SWE	2015	2:31.06 ILKA LOWENSTEYN	CAN	2015	2:19.65 SARAH MACDONALD	CAN	2015
1:11.89 JULIE HOYLE	GBR	2015	2:32.29 KARLYN PIPES	USA	2012	2:20.33 BETH LUTZ KNIGHT	USA	2015
200 M. BACK			2:33.93 ANDREA BLOCK	USA	2011	2:22.25 SALLY WINTER	GBR	2015
2:22.37 ELLEN REYNOLDS	USA	2014	2:34.79 JUDITH HATTLE	GBR	2010	2:23.13 VERONICA HIBBEN	USA	2014
2:25.94 LYNN MARSHALL	CAN	2011	2:35.36 JILL HERNANDEZ	USA	2013	2:23.28 N.STEADMAN-MARTIN	USA	2009
2:26.85 K PIPES-NEILSEN	FRA	2012	2:35.50 S. PALMER-WHITE	AUS	2015	2:23.85 GAIL AMUNDRUD	CAN	2013
2:32.48 NAOKO SHIDE	JPN	2010	2:38.19 JENNY WHITELEY	AUS	2009	2:23.98 PAT SARGEANT	USA	2008
2:34.24 AHELEE SUE OSBORN	USA	2009	2:38.32 MAITE GARCIA	ESP	2015	2:24.63 STACEY WARMUTH	USA	2011
2:34.69 L.PELT-DILLER	USA	2008	2:38.43 S.HEIM-BOWEN	USA	2009	400 M. FREE		
2:35.02 BRIGID BUNCH	USA	2013	100 M. I.M.			4:42.97 LAURA VAL	USA	2009
2:35.02 BONNIE BILICH	USA	2010	1:07.85 ANETTE PHILIPSSON	SWE	2015	4:53.27 N.STEADMAN-MARTIN	USA	2009
2:35.86 CATHY SHEEHAN	CAN	2010	1:08.28 K PIPES-NEILSEN	FRA	2012	4:57.59 SARAH MACDONALD	CAN	2015
2:37.13 ILKA LOWENSTEYN	CAN	2015	1:08.98 M.FUZZATI	SUI	2015	4:59.70 BETH LUTZ KNIGHT	USA	2015
50 M. BRST			1:09.22 JENNY WHITELEY	AUS	2009	5:00.58 JEANNE CARLSEN	CAN	2013
33.96 MONICA CORO	ITA	2013	1:09.97 SARAH MACDONALD	CAN	2011	5:01.50 MARGUERITE MEYER	USA	2014
34.50 UTE HASSE	ESP	2015	1:10.69 LESLIE LIVINGSTON	USA	2015	5:01.53 BARBARA DUNBAR	USA	2004
35.08 JENNY WHITELEY	AUS	2009	1:11.42 DANIELA DE PONTI	ITA	2015	5:01.68 STACEY WARMUTH	USA	2011
35.15 JUDY GARAY	CAN	2014	1:11.55 SHIZUKO HIRAISHI	JPN	2012	5:03.63 SUSANNA SORDELLI	ITA	2013
35.88 MARZENA KULIS	ITA	2015	1:11.56 CECILLA STANFORD	RSA	2011	5:04.60 JACKI HIRSTY	USA	2008
35.88 SARAH MACDONALD	CAN	2011	1:11.67 AHELEE SUE OSBORN	USA	2009	800 M. FREE		
36.29 TOSHIKO ITAGAKI	JPN	2014	200 M. I.M.			9:51.35 LAURA VAL	USA	2009
36.30 PIA THULSTRUP	DEN	2015	2:28.64 ELLEN REYNOLDS	USA	2014	10:12.79 JEANNE CARLSEN	CAN	2013
36.31 CAROLINE KRATTLI	USA	2015	2:30.63 KARLYN PIPES	USA	2012	10:17.86 BARBARA DUNBAR	USA	2004
36.32 MAGGIE KELLY	GBR	2006	2:30.98 JENNY WHITELEY	AUS	2009	10:19.39 KATHERINE BRANCH	USA	2012
100 M. BRST			2:31.96 JILL HERNANDEZ	USA	2013	10:19.65 MARGUERITE MEYER	USA	2014
1:15.02 UTE HASSE	ESP	2015	2:33.09 LYNN MARSHALL	CAN	2011	10:20.12 CHRISTIE CIRAULO	USA	2008
1:15.22 MONICA CORO	ITA	2013	2:33.93 ILKA LOWENSTEYN	CAN	2015	10:20.65 N.STEADMAN-MARTIN	USA	2009
1:16.49 JENNY WHITELEY	AUS	2009	2:34.03 CECILLA STANFORD	RSA	2011	10:26.13 LAURA VACA	MEX	2009
1:18.13 KATE SORENSEN	DEN	2011	2:35.35 BARBARA GELLRICH	GER	2012	10:28.00 C.TARANTINO	ITA	2011
1:18.82 MARZENA KULIS	ITA	2015	2:35.86 DANIELA DE PONTI	ITA	2015	10:28.88 JENNY WHITELEY	AUS	2013
1:19.23 CORRIN POPPS	USA	2014	2:35.86 JENNY COOK	USA	2008	1500 M. FREE		
1:19.45 SARAH MACDONALD	CAN	2013	400 M. I.M.			18:43.73 LAURA VAL	USA	2010
1:20.22 DAGMAR HILBIG	GER	2010	5:10.96 ELLEN REYNOLDS	USA	2014	19:24.70 BARBARA DUNBAR	USA	2004
1:20.40 MARJA BLOEMZAAD	NED	2015	5:14.65 LYNN MARSHALL	CAN	2011	19:27.93 JEANNE CARLSEN	CAN	2013
1:20.63 LOTTE KOBELGAARD	DEN	2014	5:31.20 NAOKO SHIDE	JPN	2010	19:29.49 BETH LUTZ KNIGHT	USA	2015
200 M. BRST			5:32.60 JENNY WHITELEY	AUS	2008	19:34.48 N.STEADMAN-MARTIN	USA	2009



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19:44.94	JENNY WHITELEY	AUS	2013	50 M. FLY		29.23	LAURA VAL	USA	2013		
19:45.99	CHRISTIE CIRAULO	USA	2008	31.13	TRACI GRANGER	USA	2013	29.90	ISABELLA RICCA	ITA	2012
19:47.98	S.LOFTUS-CHARLEY	USA	2010	31.13	LAURA VAL	USA	2009	30.01	CHARLOTTE DAVIS	USA	2010
19:55.78	C.TARANTINO	ITA	2011	31.23	SARAH MACDONALD	CAN	2015	30.07	JACKI HIRSTY	USA	2013
20:06.45	MARY SWEAT	USA	2013	31.72	HARUMI SUGINUMA	JPN	2012	30.64	LYNN MORRISON	USA	2015
50 M. BACK				31.92	JUDY WILSON	GBR	2000	30.70	LYNETTE STEVENSON	AUS	2009
32.62	LAURA VAL	USA	2009	32.12	JENNY WHITELEY	AUS	2013	30.76	CONNY BOER-BUYS	NED	2010
33.56	K.ANDRUS-HUGHES	USA	2012	32.19	JUDITH HATTLE	GBR	2015	30.83	REGULA STEIGER	SUI	2012
33.99	CATHY SHEEHAN	CAN	2015	32.53	VERONICA HIBBEN	USA	2014	30.93	YOSHIKO KADOSAKA	JPN	2009
34.11	SARAH MACDONALD	CAN	2015	32.73	KRISTIN HENDERSON	USA	2015	30.97	CATHY MERRITT	CAN	2012
34.25	JENNY WHITELEY	AUS	2013	32.76	PAT SARGEANT	USA	2011	100 M. FREE			
34.52	KIM BRIGHTWELL	USA	2015	100 M. FLY		1:03.48	LAURA VAL	USA	2014		
34.71	AROMA MARTORELL	BRA	2015	1:09.23	LAURA VAL	USA	2009	1:06.58	CHARLOTTE DAVIS	USA	2010
34.76	BENEDICTE DUPREZ	FRA	2007	1:11.21	JUDITH HATTLE	GBR	2015	1:07.56	JACKI HIRSTY	USA	2013
34.87	NAOKO SHIDE	JPN	2015	1:11.65	TRACI GRANGER	USA	2013	1:08.13	DIANE COETZEE	RSA	2015
35.00	DEBORAH BARTON	GBR	2004	1:12.97	HARUMI SUGINUMA	JPN	2012	1:08.19	LYNN MORRISON	USA	2015
100 M. BACK				1:12.99	JUDY WILSON	GBR	2001	1:08.43	CATHY MERRITT	CAN	2012
1:12.23	LAURA VAL	USA	2008	1:13.08	JENNY WHITELEY	AUS	2014	1:08.58	CONNY BOER-BUYS	NED	2010
1:12.89	CATHY SHEEHAN	CAN	2015	1:14.68	PAT SARGEANT	USA	2008	1:09.10	RACHEL BARTON	GBR	2009
1:13.14	K.ANDRUS-HUGHES	USA	2014	1:15.14	COLETTE CRABBE	USA	2011	1:09.44	S.LOFTUS-CHARLEY	USA	2012
1:15.04	ZENA COURTNEY	USA	2015	1:15.23	MELINDA MANN	USA	2011	1:09.69	LYNETTE STEVENSON	AUS	2009
1:15.36	BONNIE BILICH	USA	2015	1:15.44	STACEY WARMUTH	USA	2011	200 M. FREE			
1:15.86	JUDITH HATTLE	GBR	2015	200 M. FLY		2:20.16	LAURA VAL	USA	2011		
1:15.93	STACEY WARMUTH	USA	2011	2:31.13	LAURA VAL	USA	2008	2:26.94	DIANE COETZEE	RSA	2015
1:16.25	BENEDICTE DUPREZ	FRA	2007	2:42.04	JUDITH HATTLE	GBR	2015	2:30.15	JACKI HIRSTY	USA	2013
1:16.26	EVIE LYNCH	USA	2009	2:43.13	JENNY WHITELEY	AUS	2014	2:31.02	S.LOFTUS-CHARLEY	USA	2012
1:16.36	NAOKO SHIDE	JPN	2015	2:45.95	TRACI GRANGER	USA	2014	2:31.69	CONNY BOER-BUYS	NED	2010
200 M. BACK				2:47.18	BARBARA DUNBAR	USA	2004	2:32.35	CATHY MERRITT	CAN	2012
2:38.05	NAOKO SHIDE	JPN	2015	2:47.63	HARUMI SUGINUMA	JPN	2013	2:32.48	ROSARIO VIVANCO	PER	2009
2:40.05	LAURA VAL	USA	2008	2:47.89	N.STEADMAN-MARTIN	USA	2009	2:33.82	BARBARA DUNBAR	USA	2009
2:40.82	CATHY SHEEHAN	CAN	2015	2:50.34	COLETTE CRABBE	BEL	2013	2:34.12	SUSAN HAIGH	GBR	2013
2:41.83	K.ANDRUS-HUGHES	USA	2012	2:51.08	RIEKO SHOJI	JPN	2015	2:34.77	HEATHER CAMPBELL	RSA	2015
2:42.42	JUDITH HATTLE	GBR	2015	2:52.78	L.NAGOVITSYNA	RUS	2015	2:34.77	CHRISTIE CIRAULO	USA	2015
2:43.47	MINDY DOUGHERTY	USA	2009	100 M. I.M.		400 M. FREE					
2:44.49	K.PIEPER-KOHLER	GER	2015	1:10.66	JENNY WHITELEY	AUS	2013	4:53.24	LAURA VAL	USA	2013
2:44.55	N.STEADMAN-MARTIN	USA	2009	1:11.95	SARAH MACDONALD	CAN	2015	5:12.25	DIANE COETZEE	RSA	2015
2:46.19	STACEY WARMUTH	USA	2012	1:12.90	LAURA VAL	USA	2009	5:13.96	CHRISTIE CIRAULO	USA	2015
2:46.73	KAREN EINSIDLER	USA	2011	1:13.93	JUDITH HATTLE	GBR	2015	5:17.88	S.LOFTUS-CHARLEY	USA	2011
50 M. BRST				1:14.31	COLETTE CRABBE	BEL	2013	5:20.50	N.MARTIN	USA	2015
36.29	JENNY WHITELEY	AUS	2013	1:15.06	HEATHER CAMPBELL	NZL	2008	5:20.87	JOAN PFINGSGRAFF	USA	2014
37.11	SARAH MACDONALD	CAN	2015	1:15.23	JENNY COOK	USA	2015	5:21.68	C.TARANTINO	ITA	2015
37.56	DAGMAR FRESE	GER	2012	1:15.53	CHRIS WENZEL	USA	2015	5:21.86	SUSAN HAIGH	GBR	2013
37.58	ALISON NYE	GBR	2012	1:15.91	K.ANDRUS-HUGHES	USA	2012	5:22.47	BARBARA DUNBAR	USA	2009
37.71	ALICIA BOSCATTO	ARG	2015	1:16.07	STACEY WARMUTH	USA	2011	5:23.50	JACKI HIRSTY	USA	2015
38.12	REISS-ABDULRAHMA	GER	2015	200 M. I.M.		800 M. FREE					
38.16	SETSUKO MATSUI	JPN	2015	2:36.98	LAURA VAL	USA	2009	10:21.68	LAURA VAL	USA	2011
38.30	CHRIS WENZEL	USA	2014	2:37.71	JENNY WHITELEY	AUS	2013	10:39.12	S.LOFTUS-CHARLEY	USA	2011
38.32	JAN WICKS	AUS	2001	2:40.49	SARAH MACDONALD	CAN	2015	10:44.11	CHRISTIE CIRAULO	USA	2015
38.33	REGULA STEIGER	SUI	2009	2:42.25	JUDITH HATTLE	GBR	2015	10:47.37	C.TARANTINO	ITA	2015
100 M. BRST				2:44.02	TRACI GRANGER	USA	2014	10:48.05	DIANE COETZEE	RSA	2015
1:18.45	JENNY WHITELEY	AUS	2013	2:44.50	COLETTE CRABBE	BEL	2012	10:58.58	BARBARA DUNBAR	USA	2009
1:21.15	SARAH MACDONALD	CAN	2015	2:44.99	JENNY COOK	USA	2014	10:58.66	AUDREY COOPER	GBR	2015
1:23.22	CHRIS WENZEL	USA	2014	2:46.20	STACEY WARMUTH	USA	2012	11:07.56	LAURA VACA	MEX	2015
1:23.60	JENNY COOK	USA	2015	2:46.45	HEATHER CAMPBELL	NZL	2008	11:09.72	SUSAN HAIGH	GBR	2012
1:23.69	DAGMAR FRESE	GER	2011	2:47.12	JEANNE CARLSEN	CAN	2013	11:13.35	CONNY BOER-BUYS	NED	2010
1:23.79	JUDITH HATTLE	GBR	2015	400 M. I.M.		1500 M. FREE					
1:24.27	ALICIA BOSCATTO	ARG	2015	5:39.30	LAURA VAL	USA	2009	19:38.63	LAURA VAL	USA	2011
1:24.47	COLETTE CRABBE	BEL	2012	5:45.54	NAOKO SHIDE	JPN	2015	19:59.92	S.LOFTUS-CHARLEY	USA	2011
1:24.51	TOMOKO OKADA	JPN	2015	5:45.92	JUDITH HATTLE	GBR	2015	20:15.16	CHRISTIE CIRAULO	USA	2015
1:24.83	RICHIKO SEKISHITA	JPN	2014	5:47.01	N.STEADMAN-MARTIN	USA	2009	20:37.02	C.TARANTINO	ITA	2015
200 M. BRST				5:48.86	JENNY WHITELEY	AUS	2015	20:46.72	BARBARA DUNBAR	USA	2009
2:55.48	JENNY WHITELEY	AUS	2013	5:50.58	JEANNE CARLSEN	CAN	2013	20:53.11	AUDREY COOPER	GBR	2015
2:59.34	COLETTE CRABBE	BEL	2012	5:51.97	COLETTE CRABBE	BEL	2013	21:29.00	SUSAN HAIGH	GBR	2013
3:00.02	JUDITH HATTLE	GBR	2015	5:55.84	STACEY WARMUTH	USA	2011	21:33.34	JACKIE MARR	USA	2003
3:00.46	ALICIA BOSCATTO	ARG	2015	5:57.20	RIEKO SHOJI	JPN	2015	21:36.98	DARCY LAFOUNTAIN	USA	2015
3:02.33	AMANDA HEATH	GBR	2013	5:58.09	S.LOFTUS-CHARLEY	USA	2010	21:37.44	CONNY BOER-BUYS	NED	2010
3:02.37	CATHERINE KOHN	USA	2009					50 M. BACK			
3:03.02	KEIKO UTSUMI	JPN	2011	*****				33.01	LAURA VAL	USA	2013
3:03.89	NANCY MARCHAND	FRA	2013	WOMEN 60-64				35.60	DIANE COETZEE	RSA	2015
3:04.56	JENNY COOK	USA	2015	*****				35.78	BENEDICTE DUPREZ	FRA	2012
3:05.26	ULRIKE URBANIAK	GER	2008	50 M. FREE				35.84	LEIGH RODGERS	AUS	2015



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35.89	JOAN PFINGSGRAFF	USA	2014	34.58	DIANN UUSTAL	USA	2010	100 M. FREE		
36.02	DIANN UUSTAL	USA	2010	100 M. FLY				1:06.90	CHARLOTTE DAVIS	USA 2015
36.16	RACHEL BARTON	GBR	2008	1:11.47	LAURA VAL	USA	2013	1:08.25	SANDERINA KRUGER	RSA 2015
36.17	LYNETTE STEVENSON	AUS	2009	1:13.58	LEIGH RODGERS	AUS	2015	1:10.76	DIANN UUSTAL	USA 2011
36.20	CECILIA MCCLOSKEY	USA	2014	1:15.40	CHARLOTTE DAVIS	USA	2011	1:10.97	CHRISTEL SCHULZ	GER 2005
36.38	SATOKO TAKEUJI	JPN	2002	1:16.41	JUDY WILSON	GBR	2004	1:11.35	CONNY BOER-BUYS	NED 2015
100 M. BACK				1:17.07	JEANNE LAPPIN	USA	2015	1:12.05	RACHEL BARTON	GBR 2013
1:12.72	LAURA VAL	USA	2013	1:19.38	BARBARA DUNBAR	USA	2009	1:12.99	F.WILLIAMSON	USA 2013
1:16.83	JOAN PFINGSGRAFF	USA	2014	1:20.32	CHRISTIE CIRAULO	USA	2015	1:13.48	YOSHIKO OSAKI	JPN 2004
1:17.93	DIANE COETZEE	RSA	2015	1:20.70	LAURA VACA	MEX	2015	1:13.59	RUTH SHAPS	USA 2012
1:17.95	LEIGH RODGERS	AUS	2015	1:20.77	S.LOFTUS-CHARLEY	USA	2011	1:13.78	AIDA DAVIS	PER 2014
1:18.60	BENEDICTE DUPREZ	FRA	2013	1:21.22	BRIGITTE MERTEN	GER	2006	200 M. FREE		
1:18.69	DIANN UUSTAL	USA	2010	200 M. FLY				2:29.35	CHARLOTTE DAVIS	USA 2015
1:18.77	CECILIA MCCLOSKEY	USA	2014	2:41.25	LAURA VAL	USA	2011	2:37.00	SANDERINA KRUGER	RSA 2014
1:20.02	MARGIT OHLSSON	SWE	2006	2:52.43	JEANNE LAPPIN	USA	2015	2:38.60	DIANN UUSTAL	USA 2012
1:20.60	RACHEL BARTON	GBR	2008	3:00.31	BARBARA DUNBAR	USA	2009	2:39.77	CAROLYN BOAK	USA 2010
1:21.03	LINDA HUNT	CAN	2014	3:04.33	LAURA VACA	MEX	2015	2:40.57	CONNY BOER-BUYS	NED 2015
200 M. BACK				3:04.81	N.MARTIN	USA	2015	2:41.90	F.WILLIAMSON	USA 2013
2:40.04	LAURA VAL	USA	2015	3:05.20	YOSHIKO OSAKI	JPN	2000	2:42.05	YOSHIKO OSAKI	JPN 2004
2:44.59	JOAN PFINGSGRAFF	USA	2014	3:05.74	CHRISTIE CIRAULO	USA	2015	2:42.08	JACKIE MARR	USA 2008
2:46.71	DIANE COETZEE	RSA	2015	3:06.89	ANDRA JAUNZEME	USA	2015	2:43.30	HELLA VERSFELD	CAN 2015
2:48.22	LEIGH RODGERS	AUS	2015	3:07.04	JUDY WILSON	GBR	2004	2:43.65	JEN THOMASSON	AUS 2010
2:48.59	BENEDICTE DUPREZ	FRA	2013	3:08.25	S.LOFTUS-CHARLEY	USA	2011	400 M. FREE		
2:51.37	CECILIA MCCLOSKEY	USA	2014	100 M. I.M.				5:23.19	CHARLOTTE DAVIS	USA 2015
2:53.41	C.TARANTINO	ITA	2015	1:15.07	LAURA VAL	USA	2013	5:35.53	CAROLYN BOAK	USA 2010
2:53.87	LINDA HUNT	CAN	2014	1:16.69	LEIGH RODGERS	AUS	2015	5:39.39	BARBARA DUNBAR	USA 2014
2:54.10	EVIE LYNCH	USA	2012	1:17.48	CHARLOTTE DAVIS	USA	2010	5:42.41	JANETTE JEFFREY	AUS 2015
2:56.06	BONNIE PRONK	CAN	2002	1:19.09	BRIGITTE MERTEN	GER	2006	5:44.29	JACKIE MARR	USA 2008
50 M. BRST				1:19.86	DIANN UUSTAL	USA	2010	5:46.47	SUZANNE DILLS	USA 2010
38.60	MONIKA SENFTLEBEN	GER	2002	1:20.11	ANDRA JAUNZEME	USA	2014	5:46.94	YOSHIKO OSAKI	JPN 2003
38.97	BONNIE PRONK	CAN	2002	1:20.45	JEANNE LAPPIN	USA	2015	5:48.14	JEN THOMASSON	AUS 2010
39.60	DEB WALKER	USA	2011	1:20.50	CATHY MERRITT	CAN	2013	5:50.28	HELLA VERSFELD	CAN 2015
39.77	JAN WICKS	AUS	2006	1:21.05	BONNIE PRONK	CAN	2002	5:51.17	F.WILLIAMSON	USA 2013
40.08	SALLY SHIELDS	GBR	2015	1:21.20	HARRIET BERGER	GER	2004	800 M. FREE		
40.24	DALE BARNHARD	USA	2008	200 M. I.M.				11:09.87	CHARLOTTE DAVIS	USA 2015
40.26	REGULA STEIGER	SUI	2012	2:41.53	LAURA VAL	USA	2013	11:24.13	JEN THOMASSON	AUS 2008
40.74	N.MACAIRE	FRA	2014	2:48.31	LEIGH RODGERS	AUS	2015	11:32.00	BARBARA DUNBAR	USA 2014
40.76	YVONNE CATTRALL	CAN	2008	2:48.33	CHARLOTTE DAVIS	USA	2010	11:40.70	JACKIE MARR	USA 2008
40.82	JANETTE JEFFREY	AUS	2012	2:52.64	S.LOFTUS-CHARLEY	USA	2011	11:49.70	YOSHIKO OSAKI	JPN 2003
100 M. BRST				2:53.28	JEANNE LAPPIN	USA	2015	11:59.86	MARGARETA RAINER	SWE 2014
1:26.43	HANNELORE ROSE	GER	2002	2:54.07	CAROLE BATES	GBR	1998	12:05.33	CAROLYN BOAK	USA 2013
1:26.56	BONNIE PRONK	CAN	2002	2:55.72	BONNIE PRONK	CAN	2002	12:06.10	MARCIA BARRY	USA 2013
1:27.07	DEB WALKER	USA	2011	2:55.90	JOAN PFINGSGRAFF	USA	2014	12:06.45	TRACY CLARKSON	AUS 2015
1:28.79	NOBUKO YASUDA	JPN	2009	2:56.49	CATHY MERRITT	CAN	2014	12:11.52	LINDA SHOENBERGER	USA 2012
1:28.97	SALLY SHIELDS	GBR	2014	2:56.50	BRIGITTE MERTEN	GER	2009	1500 M. FREE		
1:28.97	ULRIKE URBANIAK	GER	2013	400 M. I.M.				21:43.60	JEN THOMASSON	AUS 2008
1:29.10	JENNIFER MERRITT	GBR	2012	5:51.81	LAURA VAL	USA	2011	21:49.37	BARBARA DUNBAR	USA 2014
1:29.31	IRINA SHANGINA	RUS	2015	5:57.70	CHARLOTTE DAVIS	USA	2010	22:09.43	JACKIE MARR	USA 2008
1:29.34	KRISSY MACCUDY	USA	2012	6:03.26	S.LOFTUS-CHARLEY	USA	2011	22:35.98	YOSHIKO OSAKI	JPN 2004
1:29.68	MONIKA SENFTLEBEN	GER	2002	6:10.75	JEANNE LAPPIN	USA	2015	22:56.72	CHRISTIE HAYES	USA 2015
200 M. BRST				6:10.88	LAURA VACA	MEX	2015	22:58.26	LINDA SHOENBERGER	USA 2012
3:06.48	BONNIE PRONK	CAN	2002	6:13.25	AUDREY COOPER	GBR	2015	22:58.32	MARCIA BARRY	USA 2014
3:07.44	HANNELORE ROSE	GER	2002	6:15.26	BARBARA DUNBAR	USA	2009	22:59.28	SUZANNE DILLS	USA 2010
3:10.48	JANETTE JEFFREY	AUS	2012	6:18.65	N.MARTIN	USA	2015	23:14.85	MARGARETA RAINER	SWE 2014
3:10.69	IRINA SHANGINA	RUS	2015	6:21.36	BRIGITTE MERTEN	GER	2009	23:15.65	HELLA VERSFELD	CAN 2015
3:13.51	ULRIKE URBANIAK	GER	2013	6:23.71	SUSAN HAIGH	GBR	2014	50 M. BACK		
3:13.55	DEB WALKER	USA	2011	*****				35.58	DIANN UUSTAL	USA 2011
3:14.17	JENNIFER MERRITT	GBR	2013	*****				36.58	MARGIT OHLSSON	SWE 2010
3:15.75	KRISSY MACCUDY	USA	2012	*****				36.84	CECILIA MCCLOSKEY	USA 2015
3:16.58	FRANCES PENWARDEN	GBR	2014	*****				36.85	CLARY MUNNS	AUS 2009
3:16.74	NICOLE BRANCHAUD	CAN	2014	*****				37.10	RACHEL BARTON	GBR 2014
50 M. FLY				50 M. FREE				37.47	SILVANA ABREU	BRA 2006
31.34	CAROL BOAGEY	GBR	2013	30.79	CHARLOTTE DAVIS	USA	2015	37.63	SATOKO TAKEUJI	JPN 2007
32.42	LAURA VAL	USA	2013	31.64	SANDERINA KRUGER	RSA	2014	37.97	JANETTE JEFFREY	AUS 2015
32.84	LEIGH RODGERS	AUS	2015	31.76	JANETTE JEFFREY	AUS	2015	38.08	LYNETTE STEVENSON	AUS 2011
32.93	CHARLOTTE DAVIS	USA	2011	31.82	LYNETTE STEVENSON	AUS	2011	38.25	PAM HUTCHINGS	AUS 2001
33.38	JUDY WILSON	GBR	2004	31.91	HEIDE LORBERG	GER	2004	100 M. BACK		
33.73	CHRISTIE CIRAULO	USA	2015	32.06	DIANN UUSTAL	USA	2011	1:17.95	DIANN UUSTAL	USA 2011
34.32	ANGELA ZINGLER	GER	2015	32.08	CONNY BOER-BUYS	NED	2015	1:18.02	CECILIA MCCLOSKEY	USA 2015
34.47	RUTH SHAPS	USA	2008	32.25	SUSIE WHITE	USA	2013	1:18.81	MARGIT OHLSSON	SWE 2011
34.57	CONNY BOER-BUYS	NED	2010	32.25	CHRISTEL SCHULZ	GER	2005	1:22.17	CLARY MUNNS	AUS 2009
				32.28	YOSHIKO KADOSAKA	JPN	2014			



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1:25.00 BONNIE PRONK	CAN 2007	1:28.05 YUMIKO YAMAZAKI	JPN 2014	1:20.95 RENATA BASTEK	POL 2013
1:25.43 HELLA VERSFELD	CAN 2015	1:28.09 BARBARA DUNBAR	USA 2014	200 M. FREE	
1:25.53 PAM HUTCHINGS	AUS 2001	200 M. FLY		2:44.70 YOSHIKO OSAKI	JPN 2008
1:25.61 SILVANA ABREU	BRA 2006	3:15.63 CAROLYN BOAK	USA 2012	2:47.82 CHRISTEL SCHULZ	GER 2010
1:25.63 RACHEL BARTON	GBR 2013	3:17.34 BARBARA DUNBAR	USA 2014	2:49.28 JANE ASHER	GBR 2003
1:26.37 TAKAKO NAKAMORI	JPN 2014	3:17.36 YOSHIKO OSAKI	JPN 2003	2:49.70 JEN THOMASSON	AUS 2013
200 M. BACK		3:17.86 KIRA MAKAROVA	RUS 2012	2:55.09 E.KETELSEN	DEN 2013
2:50.10 CECILIA MCCLOSKEY	USA 2015	3:28.93 HELGA REICH	GER 2002	2:55.22 JUDY WILSON	GBR 2014
2:53.36 DIANN UUSTAL	USA 2011	3:29.98 SILVANA ABREU	BRA 2006	2:55.57 HELGA REICH	GER 2007
2:55.02 MARGIT OHLSSON	SWE 2011	3:31.67 SUMIKO KOBAYASHI	JPN 2015	2:58.06 GAIL ROPER	USA 2000
3:01.88 BONNIE PRONK	CAN 2007	3:31.98 FLORA CONNOLLY	GBR 1999	2:58.96 KATHY SLIFER	USA 2015
3:04.05 CLARY MUNNS	AUS 2011	3:32.18 PATRICIA JACKSON	GBR 2012	2:59.94 HEATHER MORGAN	AUS 2015
3:06.59 TAKAKO NAKAMORI	JPN 2015	3:32.93 JUNE KRAUSER	USA 1995	400 M. FREE	
3:07.83 HELLA VERSFELD	CAN 2015	100 M. I.M.		5:50.41 YOSHIKO OSAKI	JPN 2008
3:08.42 CHRISTEL SCHULZ	GER 2006	1:19.10 CHARLOTTE DAVIS	USA 2015	5:56.99 JEN THOMASSON	AUS 2013
3:08.59 ANKE KLATT	GER 2015	1:20.86 DIANN UUSTAL	USA 2011	6:00.34 JANE ASHER	GBR 2003
3:08.61 PAM HUTCHINGS	AUS 2001	1:21.89 BRIGITTE MERTEN	GER 2011	6:08.25 KATHY SLIFER	USA 2015
50 M. BRST		1:22.02 CECILIA MCCLOSKEY	USA 2015	6:14.34 JACKIE MARR	USA 2013
40.90 NOBUKO YASUDA	JPN 2010	1:22.53 CLARY MUNNS	AUS 2009	6:19.39 M.CHRISTENSEN	USA 2015
41.40 BONNIE PRONK	CAN 2009	1:23.71 KIRA MAKAROVA	RUS 2013	6:19.60 HEATHER MORGAN	AUS 2015
41.53 MONIKA SENFTLEBEN	GER 2008	1:24.08 MARGIT OHLSSON	SWE 2011	6:19.70 E.KETELSEN	DEN 2014
42.02 DIANN UUSTAL	USA 2011	1:24.45 NOBUKO YASUDA	JPN 2010	6:19.80 HELGA REICH	GER 2006
42.32 BRIGITTE MERTEN	GER 2011	1:24.71 CAROLYN BOAK	USA 2010	6:24.11 BARBARA FENTIMAN	GBR 2004
42.35 JOANN LEILICH	USA 2005	1:24.95 YOSHIKO OSAKI	JPN 2005	800 M. FREE	
42.38 IMMA GIER	GER 2012	200 M. I.M.		12:30.00 JANE ASHER	GBR 2004
42.43 ANNEROSE TROBISCH	GER 2012	2:53.33 CHARLOTTE DAVIS	USA 2015	12:39.45 JACKIE MARR	USA 2013
42.46 DIANE FORD	GBR 2009	2:57.68 CECILIA MCCLOSKEY	USA 2015	13:00.04 BARBARA FENTIMAN	GBR 2004
42.83 KAYAKO HIROSE	JPN 2012	3:02.58 BRIGITTE MERTEN	GER 2011	13:03.64 HELGA REICH	GER 2006
100 M. BRST		3:04.22 CAROLYN BOAK	USA 2010	13:07.28 JUNE KRAUSER	USA 1996
1:28.73 NOBUKO YASUDA	JPN 2010	3:04.40 CLARY MUNNS	AUS 2012	13:07.66 M.CHRISTENSEN	USA 2015
1:31.87 BONNIE PRONK	CAN 2007	3:05.72 NOBUKO YASUDA	JPN 2010	13:09.33 RITSUKO SUGIMURA	JPN 2015
1:32.05 DIANE FORD	GBR 2008	3:06.04 KIRA MAKAROVA	RUS 2013	13:20.64 JILL COMPLIN	GBR 2012
1:32.37 JOANN LEILICH	USA 2004	3:06.34 DIANN UUSTAL	USA 2013	13:22.04 E.KETELSEN	DEN 2015
1:32.64 JANETTE JEFFREY	AUS 2015	3:06.37 YOSHIKO OSAKI	JPN 2004	13:23.18 HISAKO SATO	JPN 2006
1:33.03 HANNELORE ROSE	GER 2007	3:06.64 CHRISTEL SCHULZ	GER 2008	1500 M. FREE	
1:33.89 LUISE KNOPFLE	GER 2004	400 M. I.M.		23:54.74 JANE ASHER	GBR 2004
1:34.50 MASAYO AZUMA	JPN 2000	6:28.11 CHARLOTTE DAVIS	USA 2015	23:58.11 JACKIE MARR	USA 2013
1:34.98 TAMAE FURUYA	JPN 2012	6:31.71 CAROLYN BOAK	USA 2010	24:56.47 BARBARA FENTIMAN	GBR 2004
1:35.93 ANNEROSE TROBISCH	GER 2012	6:34.95 YOSHIKO OSAKI	JPN 2003	24:57.45 M.CHRISTENSEN	USA 2015
200 M. BRST		6:45.14 CLARY MUNNS	AUS 2009	24:57.85 JUNE KRAUSER	USA 1996
3:10.75 JANETTE JEFFREY	AUS 2015	6:45.94 JACKIE MARR	USA 2008	25:14.99 HELGA REICH	GER 2006
3:14.89 NOBUKO YASUDA	JPN 2010	6:49.48 BONNIE PRONK	CAN 2007	25:19.73 REIKO ISHIZAKI	JPN 2009
3:17.44 JOANN LEILICH	USA 2004	6:50.53 BARBARA DUNBAR	USA 2014	25:26.53 E.KETELSEN	DEN 2015
3:20.83 LUISE KNOPFLE	GER 2004	6:50.87 BRIGITTE MERTEN	GER 2014	25:40.21 GAIL ROPER	USA 1999
3:21.25 DIANE FORD	GBR 2008	6:51.93 HANNELORE ROSE	GER 2008	25:44.60 JILL COMPLIN	GBR 2013
3:23.72 BONNIE PRONK	CAN 2007	6:57.58 FLORA CONNOLLY	GBR 2000	50 M. BACK	
3:24.31 MASAYO AZUMA	JPN 2000	*****		37.50 MARGIT OHLSSON	SWE 2015
3:26.40 FLORA CONNOLLY	GBR 2000	*****		37.78 CLARY MUNNS	AUS 2015
3:26.55 YOSHIKO OSAKI	JPN 2004	*****		39.44 E.KETELSEN	DEN 2013
3:29.02 LOTTE MULLER	GER 1999	*****		39.79 SATOKO TAKEUJI	JPN 2013
50 M. FLY		50 M. FREE		40.11 HIROMI SATO	JPN 2013
33.82 CHARLOTTE DAVIS	USA 2015	33.34 CHRISTEL SCHULZ	GER 2010	40.49 MARGARET WILDING	GBR 2009
34.53 DIANN UUSTAL	USA 2013	33.36 YOSHIKO OSAKI	JPN 2009	40.58 JOY WARD	USA 2012
35.49 YOSHIKO KADOSAKA	JPN 2014	33.86 JANE ASHER	GBR 2004	40.61 PAM HUTCHINGS	AUS 2008
35.98 SUMIKO KOBAYASHI	JPN 2015	34.39 JEN THOMASSON	AUS 2013	40.88 PENNY STEELE	AUS 2015
36.36 CHRISTEL SCHULZ	GER 2005	34.49 IKUKO OKADO	JPN 2013	40.97 YOSHIKO OSAKI	JPN 2009
36.48 BRIGITTE MERTEN	GER 2014	34.59 JUDY WILSON	GBR 2014	100 M. BACK	
36.66 JUDY WILSON	FRA 2010	34.70 RENATA BASTEK	POL 2013	1:22.15 MARGIT OHLSSON	SWE 2015
36.71 MICHIE DOI	JPN 2009	34.85 MARGIT OHLSSON	SWE 2015	1:25.13 CLARY MUNNS	AUS 2014
36.79 SYLVIE LEGRUX	FRA 2015	34.87 CLARY MUNNS	AUS 2015	1:26.25 SATOKO TAKEUJI	JPN 2012
36.79 KIRA MAKAROVA	RUS 2013	35.13 JEAN HOWARD-JONES	GBR 2014	1:27.45 E.KETELSEN	DEN 2013
36.79 YOSHIKO OSAKI	JPN 2003	100 M. FREE		1:29.10 CHRISTEL SCHULZ	GER 2011
100 M. FLY		1:12.97 YOSHIKO OSAKI	JPN 2009	1:29.37 NORIKO YOSHIDA	JPN 2015
1:18.80 CHARLOTTE DAVIS	USA 2015	1:14.69 CHRISTEL SCHULZ	GER 2010	1:29.64 JOY WARD	USA 2012
1:23.41 BRIGITTE MERTEN	GER 2011	1:16.45 JANE ASHER	GBR 2004	1:29.93 BETSY JORDAN	USA 2007
1:23.61 JUDY WILSON	FRA 2010	1:16.54 JUDY WILSON	GBR 2015	1:31.24 SHOKO YONEZAWA	JPN 2005
1:24.98 KIRA MAKAROVA	RUS 2012	1:17.92 JEN THOMASSON	AUS 2013	1:31.31 V.JOHANSSON	SWE 2005
1:25.28 YOSHIKO OSAKI	JPN 2003	1:18.35 E.KETELSEN	DEN 2013	200 M. BACK	
1:25.67 CAROLYN BOAK	USA 2010	1:18.67 GAIL ROPER	USA 1999	2:58.64 MARGIT OHLSSON	SWE 2015
1:27.32 DIANN UUSTAL	USA 2013	1:19.54 JEAN HOWARD-JONES	GBR 2013	3:05.23 CLARY MUNNS	AUS 2015
1:27.92 SUMIKO KOBAYASHI	JPN 2015	1:20.29 PAM HUTCHINGS	AUS 2008	3:11.41 E.KETELSEN	DEN 2013



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3:12.67	JOY WARD	USA	2012	3:53.70	JOY WARD	USA	2013	3:15.48	REIKO ISHIZAKI	JPN	2013
3:15.04	NORIKO YOSHIDA	JPN	2015	3:55.59	JUDIE OLIVER	CAN	2004	400 M. FREE			
3:17.71	BONNIE PRONK	CAN	2012	100 M. I.M.				6:08.74	YOSHIKO OSAKI	JPN	2015
3:17.86	CHRISTEL SCHULZ	GER	2011	1:24.88	YOSHIKO OSAKI	JPN	2009	6:09.40	JANE ASHER	GBR	2006
3:18.61	V. JOHANSSON	SWE	2005	1:25.07	CLARY MUNNS	AUS	2015	6:39.88	DENISE ROBERTSON	AUS	2010
3:20.96	JANE ASHER	GBR	2001	1:25.13	MARGIT OHLSSON	SWE	2015	6:42.00	LINDA MACPHERSON	CAN	2013
3:21.69	ELAINE BLOWER	GBR	2015	1:27.39	CHRISTEL SCHULZ	GER	2010	6:44.09	JEAN TROY	USA	2002
50 M. BRST				1:27.80	SHOKO YONEZAWA	JPN	2005	6:49.27	HELGA REICH	GER	2012
42.80	SHOKO YONEZAWA	JPN	2005	1:32.23	GAIL ROPER	USA	2000	6:50.22	MARIA PENNA	BRA	2014
43.18	MONIKA SENFTLEBEN	GER	2012	1:33.49	JANE ASHER	GBR	2003	6:54.68	GAIL ROPER	USA	2004
43.26	NOBUKO YASUDA	JPN	2015	1:33.55	KATHY SLIFER	USA	2015	6:55.16	TAYO FUJIEDA	JPN	2012
43.95	CLARY MUNNS	AUS	2015	1:34.10	JUDIE OLIVER	CAN	2002	6:57.33	LIZ WALLIS	AUS	2002
44.05	DIANE FORD	GBR	2014	1:34.12	NOBUKO YASUDA	JPN	2015	800 M. FREE			
44.22	JOANN LEILICH	USA	2011	200 M. I.M.				12:25.61	YOSHIKO OSAKI	JPN	2013
44.74	KAZUKO KAJIWARA	JPN	2009	3:09.87	CLARY MUNNS	AUS	2015	12:42.75	JANE ASHER	GBR	2006
45.08	EDITH BOEHM	GER	1999	3:11.14	YOSHIKO OSAKI	JPN	2009	13:55.30	HELGA REICH	GER	2013
45.19	YOSHIKO OSAKI	JPN	2010	3:12.16	CHRISTEL SCHULZ	GER	2011	13:58.35	DENISE ROBERTSON	AUS	2014
45.38	ELAINE BROMWICH	GBR	2012	3:15.46	MARGIT OHLSSON	SWE	2015	13:59.01	JEAN TROY	USA	2002
100 M. BRST				3:21.52	JUDIE OLIVER	CAN	2002	14:00.42	MARIA PENNA	BRA	2014
1:33.92	NOBUKO YASUDA	JPN	2015	3:24.64	JANE ASHER	GBR	2001	14:00.66	LINDA MACPHERSON	CAN	2013
1:34.86	DIANE FORD	GBR	2014	3:25.28	HELGA REICH	GER	2006	14:03.84	ANNE WILLIAMS	USA	2013
1:35.58	SHOKO YONEZAWA	JPN	2005	3:26.44	SHOKO YONEZAWA	JPN	2006	14:11.11	TAYO FUJIEDA	JPN	2013
1:36.63	YOSHIKO OSAKI	JPN	2010	3:28.17	JOY WARD	USA	2012	14:12.12	GAIL ROPER	USA	2005
1:36.94	MASAYO AZUMA	JPN	2005	3:30.65	DANIELA BARNEA	USA	2014	1500 M. FREE			
1:37.11	LUISE KNOPFLE	GER	2009	400 M. I.M.				24:04.75	JANE ASHER	GBR	2006
1:37.20	JOANN LEILICH	USA	2009	6:51.30	CLARY MUNNS	AUS	2015	26:20.36	LINDA MACPHERSON	CAN	2013
1:37.36	CLARY MUNNS	AUS	2015	6:56.79	YOSHIKO OSAKI	JPN	2008	26:37.02	GAIL ROPER	USA	2005
1:40.03	TAMAE FURUYA	JPN	2015	7:09.96	JANE ASHER	GBR	2001	26:37.41	DENISE ROBERTSON	AUS	2011
1:41.38	TAYO FUJIEDA	JPN	2007	7:19.12	JUDIE OLIVER	CAN	2002	26:44.97	HELGA REICH	GER	2012
200 M. BRST				7:24.32	JUNE KRAUSER	USA	1996	27:14.94	MICHIKO OKUMURA	JPN	2006
3:25.76	JOANN LEILICH	USA	2009	7:28.73	DANIELA BARNEA	USA	2014	27:19.57	MARIA PENNA	BRA	2014
3:28.12	DIANE FORD	GBR	2014	7:34.98	URSULA FROHLICH	GER	2005	27:33.16	LIZ WALLIS	AUS	2002
3:28.98	MASAYO AZUMA	JPN	2005	7:35.12	JOY WARD	USA	2013	27:39.46	JUNE KRAUSER	USA	2001
3:30.16	SHOKO YONEZAWA	JPN	2005	7:36.99	GAIL ROPER	USA	1999	27:47.25	MARGERY MEYER	USA	1998
3:30.88	NOBUKO YASUDA	JPN	2015	7:40.03	JACKIE MARR	USA	2013	50 M. BACK			
3:31.07	CLARY MUNNS	AUS	2015					43.19	MARLENE MENDES	BRA	2008
3:33.22	LUISE KNOPFLE	GER	2009	*****				43.23	LILIA ALMEIDA	BRA	2014
3:35.99	JEN THOMASSON	AUS	2013	WOMEN 75-79				43.46	YOSHIKO OSAKI	JPN	2014
3:40.16	TAYO FUJIEDA	JPN	2007	*****				43.50	JANE ASHER	GBR	2006
3:40.43	KATHY SLIFER	USA	2015	50 M. FREE				43.54	SHOKO YONEZAWA	JPN	2010
50 M. FLY				34.58	CHRISTEL SCHULZ	GER	2015	43.64	CHRISTEL SCHULZ	GER	2015
36.10	JUDY WILSON	GBR	2015	35.41	YOSHIKO OSAKI	JPN	2014	44.24	PAM HUTCHINGS	AUS	2012
37.96	YOSHIKO OSAKI	JPN	2009	35.88	JANE ASHER	GBR	2006	44.76	DORIS STEADMAN	USA	1999
39.02	CHRISTEL SCHULZ	GER	2010	37.21	HISAKO KITAYAMA	JPN	2013	45.19	NANCY BROWN	USA	2011
39.36	HARUMI SUGIMOTO	JPN	2008	37.24	GAIL ROPER	USA	2004	45.28	JOAN PARNELL	CAN	2004
39.44	JANE ASHER	GBR	2004	37.33	JOHNNIE DETRICK	USA	2011	100 M. BACK			
39.51	MARGIT OHLSSON	SWE	2015	37.38	SHOKO YONEZAWA	JPN	2011	1:33.68	CHRISTEL SCHULZ	GER	2015
39.81	BARBARA FRID	USA	2012	37.99	MASAKO KOHA	JPN	2015	1:34.38	ELIANE PELLIS	BEL	2009
39.95	CLARY MUNNS	AUS	2015	38.14	PAM HUTCHINGS	AUS	2012	1:35.18	YOSHIKO OSAKI	JPN	2015
40.39	HISAKO KITAYAMA	JPN	2009	38.35	LOTTIE GEURTS	NED	2010	1:36.33	SHOKO YONEZAWA	JPN	2010
40.56	HISAKO SATO	JPN	2006	100 M. FREE				1:36.90	NANCY BROWN	USA	2011
100 M. FLY				1:18.59	JANE ASHER	GBR	2006	1:37.87	PAM HUTCHINGS	AUS	2012
1:24.10	JUDY WILSON	GBR	2015	1:19.11	CHRISTEL SCHULZ	GER	2015	1:37.87	JANE ASHER	GBR	2006
1:28.55	YOSHIKO OSAKI	JPN	2009	1:19.41	YOSHIKO OSAKI	JPN	2015	1:39.76	DORIS STEADMAN	USA	2000
1:34.70	JANE ASHER	GBR	2001	1:24.31	GAIL ROPER	USA	2005	1:40.82	HELEN BIRD	AUS	2014
1:34.86	HELGA REICH	GER	2006	1:25.21	SHOKO YONEZAWA	JPN	2011	1:41.65	GRETHE BENDTSEN	DEN	2006
1:35.84	CLARY MUNNS	AUS	2015	1:26.20	JEAN TROY	USA	2002	200 M. BACK			
1:37.41	CHRISTEL SCHULZ	GER	2010	1:28.49	M. CUNNINGHAM	AUS	2000	3:22.68	CHRISTEL SCHULZ	GER	2015
1:37.56	GAIL ROPER	USA	1999	1:28.57	PAM HUTCHINGS	AUS	2012	3:32.59	JANE ASHER	GBR	2006
1:38.39	HAIKE HOLER	GER	2006	1:28.69	MASAKO KOHA	JPN	2015	3:34.09	NANCY BROWN	USA	2011
1:39.02	JUDIE OLIVER	CAN	2002	1:28.71	JOHNNIE DETRICK	USA	2012	3:36.60	HARUMI SUGIMOTO	JPN	2013
1:40.05	HISAKO SATO	JPN	2006	200 M. FREE				3:38.25	DORIS STEADMAN	USA	1999
200 M. FLY				2:51.65	YOSHIKO OSAKI	JPN	2013	3:40.01	EVA JAROSOVA	CZE	2013
3:34.59	YOSHIKO OSAKI	JPN	2009	2:57.19	JANE ASHER	GBR	2006	3:40.06	BETTY LORENZI	USA	2003
3:37.23	HELGA REICH	GER	2006	3:00.26	CHRISTEL SCHULZ	GER	2015	3:40.33	PAM HUTCHINGS	AUS	2012
3:38.35	CLARY MUNNS	AUS	2015	3:07.58	GAIL ROPER	USA	2005	3:41.22	JUDIE OLIVER	CAN	2009
3:38.39	JUNE KRAUSER	USA	1996	3:08.94	LINDA MACPHERSON	CAN	2014	3:41.31	KAZU KOYAMA	JPN	2014
3:42.68	DANIELA BARNEA	USA	2014	3:11.94	KUMIE TOKUDA	JPN	2012	50 M. BRST			
3:44.96	JANE ASHER	GBR	2001	3:11.99	JEAN TROY	USA	2002	43.79	SHOKO YONEZAWA	JPN	2010
3:45.64	GAIL ROPER	USA	1999	3:12.60	HELGA REICH	GER	2011	46.20	JOANN LEILICH	USA	2014
3:49.52	LINDA MACPHERSON	CAN	2010	3:13.88	DENISE ROBERTSON	AUS	2010	46.86	ELIANE PELLIS	BEL	2008



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46.94	A.VAN OBBERGHEN	BEL 2008	1:42.98	JOANN LEILICH	USA 2015	7:42.75	AIKO HORII	JPN 2010
47.15	EDITH BOHM	GER 2003	1:44.43	HELGA REICH	GER 2011	800 M. FREE		
47.51	LUISE KNOPFLE	GER 2014	200 M. I.M.			12:49.43	JANE ASHER	GBR 2011
47.66	MASAYO AZUMA	JPN 2010	3:22.23	YOSHIKO OSAKI	JPN 2013	14:12.49	DENISE ROBERTSON	AUS 2015
48.23	GISELA GRUNER	GER 2012	3:30.27	CHRISTEL SCHULZ	GER 2015	15:12.35	JEAN TROY	USA 2007
48.26	KUMIE TOKUDA	JPN 2012	3:31.20	JANE ASHER	GBR 2006	15:24.58	JUDIE OLIVER	CAN 2013
48.67	KAZUKO KAJIWARA	JPN 2014	3:35.06	JUDIE OLIVER	CAN 2007	15:30.51	MARGERY MEYER	USA 2005
100 M. BRST			3:37.24	GAIL ROPER	USA 2005	15:31.74	NAN BOHL	USA 2011
1:36.48	SHOKO YONEZAWA	JPN 2010	3:40.89	JOANN LEILICH	USA 2015	15:43.22	DOROTHY DICKEY	AUS 2011
1:38.81	LUISE KNOPFLE	GER 2015	3:43.58	JUNE KRAUSER	USA 2001	15:49.21	RITA SIMONTON	USA 1998
1:40.82	JOANN LEILICH	USA 2014	3:45.86	MARCELA STASTNA	CZE 2012	16:04.77	VIRGINIA KETELEER	BEL 2006
1:42.36	MASAYO AZUMA	JPN 2010	3:46.71	TAYO FUJIEDA	JPN 2013	16:18.58	MARJORIE SHARPE	USA 1997
1:43.34	ELIANE PELLIS	BEL 2008	3:47.43	HELGA REICH	GER 2011	1500 M. FREE		
1:44.01	A.VAN OBBERGHEN	BEL 2008	400 M. I.M.			25:45.37	JANE ASHER	GBR 2011
1:46.09	KUMIE TOKUDA	JPN 2012	7:11.33	YOSHIKO OSAKI	JPN 2013	28:55.09	JEAN TROY	USA 2007
1:46.62	YOSHIKO OSAKI	JPN 2014	7:34.39	JANE ASHER	GBR 2006	29:34.22	DOROTHY DICKEY	AUS 2010
1:47.02	TAYO FUJIEDA	JPN 2012	7:39.96	JUDIE OLIVER	CAN 2007	29:39.08	MARGERY MEYER	USA 2002
1:47.80	SYLVIA NEUHAUSER	AUT 2004	7:52.71	JUNE KRAUSER	USA 2001	29:48.75	RITA SIMONTON	USA 1998
200 M. BRST			7:59.77	NANCY BROWN	USA 2011	30:15.00	JUDIE OLIVER	CAN 2013
3:33.03	SHOKO YONEZAWA	JPN 2010	8:05.23	GAIL ROPER	USA 2006	30:25.73	FRANCA PARODI	ITA 2013
3:36.11	LUISE KNOPFLE	GER 2015	8:16.68	SUE MAYNE	AUS 2011	30:32.06	VIRGINIA KETELEER	BEL 2005
3:36.56	JOANN LEILICH	USA 2014	8:20.33	JANET MASTERS	GBR 2015	30:43.62	NAN BOHL	USA 2012
3:40.80	MASAYO AZUMA	JPN 2010	8:26.33	KAZU KOYAMA	JPN 2014	30:45.08	MICHIKO OKUMURA	JPN 2011
3:47.58	ELIANE PELLIS	BEL 2008	8:27.31	ANN HIRSCH	USA 2008	50 M. BACK		
3:48.93	TAYO FUJIEDA	JPN 2013	*****			46.10	JANE ASHER	GBR 2011
3:49.39	A.VAN OBBERGHEN	BEL 2008	*****			47.63	JUDIE OLIVER	CAN 2014
3:50.88	ANNE WILLIAMS	USA 2013	WOMEN 80-84			48.82	KERSTIN GJORES	SWE 2007
3:54.55	SYLVIA NEUHAUSER	AUT 2004	*****			49.02	JOAN PARNELL	CAN 2008
3:56.11	JANE ASHER	GBR 2006	50 M. FREE			49.09	GRETHE BENDTSEN	DEN 2010
50 M. FLY			37.67	JANE ASHER	GBR 2011	49.77	MAE WALDIE	CAN 2015
40.71	JANE ASHER	GBR 2006	38.03	GAIL ROPER	USA 2009	50.03	MARGERY MEYER	USA 2002
41.55	CHRISTEL SCHULZ	GER 2015	40.24	MITSUOKO KOMURO	JPN 2010	50.73	NANCY KINNEY	USA 2009
42.23	HISAKO KITAYAMA	JPN 2012	40.45	JOHNNIE DETRICK	USA 2015	51.19	ANNELIESE POKER	GER 2001
42.44	HARUMI SUGIMOTO	JPN 2013	41.10	JUDIE OLIVER	CAN 2014	51.55	BETTY LORENZI	USA 2007
44.18	GAIL ROPER	USA 2004	41.34	MARGERY MEYER	USA 2002	100 M. BACK		
44.53	JUDIE OLIVER	CAN 2007	41.40	CHIE TANI	JPN 2007	1:44.88	JANE ASHER	GBR 2011
45.00	MARCELA STASTNA	CZE 2013	41.45	JEAN TROY	USA 2007	1:45.29	JUDIE OLIVER	CAN 2014
46.01	LUISE KNOPFLE	GER 2014	41.78	M. CUNNINGHAM	AUS 2005	1:49.83	JOAN PARNELL	CAN 2008
46.07	HELGA REICH	GER 2011	41.98	OLGA JOHNSON	NZL 2001	1:50.61	BETTY LORENZI	USA 2007
46.26	SHOKO YAMADA	JPN 2014	100 M. FREE			1:52.72	KERSTIN GJORES	SWE 2007
100 M. FLY			1:23.46	JANE ASHER	GBR 2011	1:53.51	KIMIKO OOKA	JPN 2009
1:44.35	JUDIE OLIVER	CAN 2007	1:26.23	GAIL ROPER	USA 2009	1:54.86	GRETHE BENDTSEN	DEN 2010
1:44.90	YOSHIKO OSAKI	JPN 2013	1:33.19	DENISE ROBERTSON	AUS 2015	1:55.05	MAE WALDIE	CAN 2015
1:45.10	JANE ASHER	GBR 2006	1:33.88	JEAN TROY	USA 2007	1:55.79	MARGERY MEYER	USA 2002
1:46.98	HELGA REICH	GER 2011	1:34.20	JOHNNIE DETRICK	USA 2015	1:55.87	ITSUKO KATSUBE	JPN 2015
1:49.36	GAIL ROPER	USA 2005	1:34.45	MARGERY MEYER	USA 2002	200 M. BACK		
1:49.50	MARY ANN CASE	USA 2015	1:34.59	M. CUNNINGHAM	AUS 2005	3:42.88	JANE ASHER	GBR 2011
1:49.51	MARCELA STASTNA	CZE 2012	1:35.79	URSULA FROHLICH	GER 2015	3:49.32	JUDIE OLIVER	CAN 2014
1:50.11	SYLVIA NEUHAUSER	AUT 2005	1:36.42	BRITT GRILLI	SWE 2008	3:59.15	NANCY KINNEY	USA 2009
1:52.25	JUNE KRAUSER	USA 2001	1:36.85	ELIANE PELLIS	BEL 2013	4:07.13	BETTY LORENZI	USA 2007
1:53.69	LINDA MACPHERSON	CAN 2013	200 M. FREE			4:08.87	JOAN PARNELL	CAN 2008
200 M. FLY			3:01.61	JANE ASHER	GBR 2011	4:09.07	DORIS STEADMAN	USA 2004
3:57.63	HELGA REICH	GER 2012	3:18.57	GAIL ROPER	USA 2009	4:09.21	URSULA FROHLICH	GER 2015
3:58.98	LINDA MACPHERSON	CAN 2013	3:21.74	DENISE ROBERTSON	AUS 2015	4:12.74	MAE WALDIE	CAN 2015
4:00.46	JUDIE OLIVER	CAN 2007	3:26.52	JEAN TROY	USA 2007	4:13.99	KERSTIN GJORES	SWE 2010
4:06.06	JANE ASHER	GBR 2006	3:27.57	MARGERY MEYER	USA 2002	4:14.53	MARGERY MEYER	USA 2003
4:08.39	LOIS KIVI NOCHMAN	USA 1999	3:28.59	URSULA FROHLICH	GER 2015	50 M. BRST		
4:09.28	GAIL ROPER	USA 2004	3:33.80	ELIANE PELLIS	BEL 2013	46.48	SHOKO YONEZAWA	JPN 2015
4:12.50	JUNE KRAUSER	USA 2001	3:35.64	NAN BOHL	USA 2011	48.46	ELIANE PELLIS	BEL 2013
4:24.60	HIROKO KOBAYASHI	JPN 2015	3:36.33	AIKO HORII	JPN 2010	49.35	A.VAN OBBERGHEN	BEL 2011
4:25.06	SUE MAYNE	AUS 2011	3:37.21	RITA SIMONTON	USA 1998	50.48	SATOKO SUZUKI	JPN 2003
4:25.42	MARY ANN CASE	USA 2014	400 M. FREE			50.73	MASAYO AZUMA	JPN 2015
100 M. I.M.			6:34.92	JANE ASHER	GBR 2011	51.34	EDITH BOHM	GER 2008
1:31.38	YOSHIKO OSAKI	JPN 2013	6:57.02	DENISE ROBERTSON	AUS 2015	52.20	JOHNNIE DETRICK	USA 2015
1:31.62	SHOKO YONEZAWA	JPN 2010	7:20.96	JEAN TROY	USA 2007	53.62	ANN HIRSCH	USA 2011
1:32.92	JANE ASHER	GBR 2006	7:22.84	MARGERY MEYER	USA 2002	53.64	JUDIE OLIVER	CAN 2013
1:33.86	CHRISTEL SCHULZ	GER 2015	7:22.87	URSULA FROHLICH	GER 2015	54.63	JOAN PARNELL	CAN 2008
1:38.11	GAIL ROPER	USA 2004	7:32.58	JUDIE OLIVER	CAN 2012	100 M. BRST		
1:38.73	JUDIE OLIVER	CAN 2007	7:33.69	RITA SIMONTON	USA 1998	1:45.52	SHOKO YONEZAWA	JPN 2015
1:42.04	TAYO FUJIEDA	JPN 2013	7:37.49	DOROTHY DICKEY	AUS 2010	1:49.73	A.VAN OBBERGHEN	BEL 2011
1:42.50	MARCELA STASTNA	CZE 2012	7:41.09	NAN BOHL	USA 2011	1:49.86	MASAYO AZUMA	JPN 2015



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1:54.30	SATOKO SUZUKI	JPN	2003	4:22.29	LOIS KIVI NOCHMAN	USA	2005	18:59.86	Y.KAPLAN-BADER	FRA	2013
1:57.31	ANN HIRSCH	USA	2011	4:22.97	CHIE TANI	JPN	2006	1500 M.	FREE		
1:58.44	JANE ASHER	GBR	2011	400 M.	I.M.			30:50.51	BETTY LORENZI	USA	2012
1:59.48	JUDIE OLIVER	CAN	2014	8:04.67	JUDIE OLIVER	CAN	2012	31:44.50	RITA SIMONTON	USA	2003
2:03.93	SAYOKO WATANABE	JPN	2007	8:07.34	JANE ASHER	GBR	2011	33:03.30	MARGERY MEYER	USA	2007
2:04.65	SYLVIA EISELE	CAN	2009	8:39.68	GAIL ROPER	USA	2009	35:03.42	BETTY RUSS	USA	2012
2:05.11	JOHNNIE DETRICK	USA	2015	8:47.93	URSULA FROHLICH	GER	2015	36:05.90	SHEILA NAIMAN	CAN	2015
200 M.	BRST			9:01.89	DENISE ROBERTSON	AUS	2015	36:22.53	Y.KAPLAN-BADER	FRA	2013
3:58.38	MASAYO AZUMA	JPN	2015	9:30.65	JEAN TROY	USA	2007	36:29.42	JOAN CAMPBELL	USA	2015
4:00.52	A.VAN OBBERGHEN	BEL	2011	9:31.73	LOIS KIVI NOCHMAN	USA	2004	36:38.30	LOIS KIVI NOCHMAN	USA	2009
4:10.42	JUDIE OLIVER	CAN	2012	9:37.55	BETTY RUSS	USA	2008	37:28.53	MAXINE MERLINO	USA	1998
4:12.33	JANE ASHER	GBR	2011	9:42.82	SYLVIA EISELE	CAN	2009	39:25.76	WILLY VAN RYSEL	GBR	2001
4:16.16	ANN HIRSCH	USA	2011	9:50.43	MAXINE MERLINO	USA	1992	50 M.	BACK		
4:29.24	EIKO MORI	JPN	2007					51.75	BETTY LORENZI	USA	2012
4:31.25	SYLVIA EISELE	CAN	2009	*****				56.46	KERSTIN GJORES	SWE	2012
4:33.61	NORIKO KIMURA	JPN	2013	WOMEN 85-89				57.36	NANCY KINNEY	USA	2015
4:36.67	NANETTE BOHL	USA	2009	*****				57.43	KIMIKO OOKA	JPN	2014
4:38.57	DOROTHY WILLIAMS	GBR	2003	50 M.	FREE			57.62	BUNNY CEDERLUND	USA	2006
50 M.	FLY			44.68	MIEKO KAMOSHITA	JPN	2012	58.02	NOEL MORROW	CAN	2004
45.57	JANE ASHER	GBR	2011	45.84	TOKUYO KAMIGAKI	JPN	2011	58.38	MASA SHIGEMITSU	JPN	2000
46.90	JUDIE OLIVER	CAN	2012	46.01	NAN BOHL	USA	2014	58.80	JOAN PARNELL	CAN	2013
48.85	GAIL ROPER	USA	2009	46.31	OLGA JOHNSON	NZL	2006	59.11	MARGERY MEYER	USA	2008
55.65	LOIS KIVI NOCHMAN	USA	2004	46.35	JEAN TROY	USA	2012	59.34	KAZUKO TAGUCHI	JPN	2011
56.51	CHIE TANI	JPN	2006	47.72	DOROTHY DICKEY	AUS	2015	100 M.	BACK		
57.92	DENISE ROBERTSON	AUS	2015	48.10	MARGERY MEYER	USA	2008	1:52.21	BETTY LORENZI	USA	2012
57.97	NANCY KINNEY	USA	2009	48.37	BETTY RUSS	USA	2012	2:05.64	NANCY KINNEY	USA	2015
58.13	SYLVIA EISELE	CAN	2009	48.90	M.KAPCAROVA	SVK	2013	2:05.95	KERSTIN GJORES	SWE	2012
58.20	JEAN TROY	USA	2008	49.14	FUSAKO YAMANAKA	JPN	2005	2:06.16	KIMIKO OOKA	JPN	2014
58.34	ANN HIRSCH	USA	2011	100 M.	FREE			2:10.33	BUNNY CEDERLUND	USA	2006
100 M.	FLY			1:43.97	JEAN TROY	USA	2012	2:11.03	WILLY VAN RYSEL	GBR	2001
1:50.08	JUDIE OLIVER	CAN	2012	1:44.91	NAN BOHL	USA	2014	2:11.06	SILVIA CRAVERI	ITA	2009
1:58.02	GAIL ROPER	USA	2009	1:46.44	DOROTHY DICKEY	AUS	2015	2:11.09	PERSIS RAE	AUS	2005
1:59.41	JANE ASHER	GBR	2011	1:46.95	MARGERY MEYER	USA	2008	2:11.54	MARIA LENK	BRA	2000
2:02.63	LOIS KIVI NOCHMAN	USA	2004	1:47.73	BETTY LORENZI	USA	2012	2:11.97	BETTY RUSS	USA	2013
2:13.07	DENISE ROBERTSON	AUS	2015	1:48.44	MIEKO KAMOSHITA	JPN	2012	200 M.	BACK		
2:14.51	CHIE TANI	JPN	2007	1:48.55	OLGA JOHNSON	NZL	2006	4:05.00	BETTY LORENZI	USA	2014
2:16.00	Y.KAPLAN-BADER	FRA	2008	1:49.64	RITA SIMONTON	USA	2003	4:18.50	EDITH THEIN	ISR	2003
2:17.23	SYLVIA EISELE	CAN	2009	1:50.59	BETTY RUSS	USA	2013	4:29.09	NANCY KINNEY	USA	2015
2:19.85	JEAN TROY	USA	2008	1:51.96	M. CUNNINGHAM	AUS	2010	4:31.92	KERSTIN GJORES	SWE	2012
2:22.05	GERTRUD MEERWALD	GER	2000	200 M.	FREE			4:36.48	BUNNY CEDERLUND	USA	2006
200 M.	FLY			3:49.35	JEAN TROY	USA	2012	4:38.83	KIMIKO OOKA	JPN	2014
4:10.18	JUDIE OLIVER	CAN	2012	3:50.49	DOROTHY DICKEY	AUS	2015	4:40.96	DOROTHY DICKEY	AUS	2015
4:31.97	LOIS KIVI NOCHMAN	USA	2005	3:54.18	MARGERY MEYER	USA	2007	4:41.34	MARIA LENK	BRA	2000
4:54.54	BETTY RUSS	USA	2008	3:57.48	RITA SIMONTON	USA	2003	4:41.38	PERSIS RAE	AUS	2005
5:20.76	Y.KAPLAN-BADER	FRA	2010	4:01.13	NAN BOHL	USA	2014	4:46.44	WILLY VAN RYSEL	GBR	2001
5:22.65	MAXINE O MERLINO	USA	1992	4:04.35	BETTY LORENZI	USA	2012	50 M.	BRST		
5:24.06	JAE HOWELL	USA	2002	4:05.78	G. MCKENZIE-HICKS	AUS	2012	59.00	M.KAPCAROVA	SVK	2013
5:27.00	JEAN DURSTON	USA	1997	4:05.82	OLGA JOHNSON	NZL	2006	1:00.27	SYLVIA EISELE	CAN	2014
5:29.14	THELMA BRYAN	AUS	2010	4:10.40	HISAKO KOGA	JPN	2002	1:00.45	ETSUKO KIMURA	JPN	2014
5:38.21	NADIR TAUBERT	BRA	2013	4:11.96	BETTY RUSS	USA	2012	1:00.56	SATOKO SUZUKI	JPN	2008
5:39.29	DOROTHY WESTON	GBR	1996	400 M.	FREE			1:02.09	OLGA KOKORINA	RUS	2012
100 M.	I.M.			7:58.41	MARGERY MEYER	USA	2008	1:02.52	NAN BOHL	USA	2014
1:41.14	SHOKO YONEZAWA	JPN	2015	8:03.09	JEAN TROY	USA	2012	1:02.92	KIMIE KANAI	JPN	2009
1:42.46	JANE ASHER	GBR	2011	8:03.71	DOROTHY DICKEY	AUS	2015	1:03.96	JEAN TROY	USA	2014
1:43.51	JUDIE OLIVER	CAN	2013	8:17.82	RITA SIMONTON	USA	2003	1:04.29	MICHELE GUILLAIS	FRA	2006
1:44.95	GAIL ROPER	USA	2009	8:19.75	NAN BOHL	USA	2014	1:05.00	TERUKO ONO	JPN	2013
1:49.26	ITSUKO KOMURO	JPN	2010	8:31.16	AIKO HORII	JPN	2015	100 M.	BRST		
1:54.74	DENISE ROBERTSON	AUS	2015	8:39.86	BETTY RUSS	USA	2012	2:11.98	SATOKO SUZUKI	JPN	2009
1:55.68	JOHNNIE DETRICK	USA	2015	8:44.56	MAURINE KORNFELD	USA	2008	2:17.21	ETSUKO KIMURA	JPN	2014
1:55.83	URSULA FROHLICH	GER	2015	8:45.92	MARJORIE SHARPE	USA	2002	2:18.42	OLGA KOKORINA	RUS	2012
1:56.27	JOAN PARNELL	CAN	2008	8:58.13	VIRGINIA KETELEER	BEL	2012	2:21.06	SYLVIA EISELE	CAN	2014
1:56.65	JEAN TROY	USA	2007	800 M.	FREE			2:22.83	NAN BOHL	USA	2015
200 M.	I.M.			16:23.22	DOROTHY DICKEY	AUS	2015	2:24.69	JEAN TROY	USA	2012
3:43.73	JANE ASHER	GBR	2011	16:25.24	BETTY LORENZI	USA	2012	2:25.10	M.KAPCAROVA	SVK	2013
3:47.29	JUDIE OLIVER	CAN	2012	16:37.49	NAN BOHL	USA	2014	2:25.30	MASAKO SHOJI	JPN	2014
3:55.51	GAIL ROPER	USA	2009	16:49.43	RITA SIMONTON	USA	2003	2:26.71	DOROTHY WILLIAMS	GBR	2008
4:07.37	URSULA FROHLICH	GER	2015	17:36.42	AIKO HORII	JPN	2015	2:27.61	Y.KAPLAN-BADER	FRA	2013
4:07.66	JEAN TROY	USA	2007	18:02.38	MAURINE KORNFELD	USA	2007	200 M.	BRST		
4:15.95	DENISE ROBERTSON	AUS	2015	18:14.96	ELSA DE LEEUW	CAN	2009	5:09.65	DOROTHY WILLIAMS	GBR	2008
4:16.31	ITSUKO KOMURO	JPN	2010	18:15.27	BETTY RUSS	USA	2012	5:10.89	ETSUKO KIMURA	JPN	2014
4:22.00	SYLVIA EISELE	CAN	2009	18:54.78	E.LOBSIGER	ESP	2015	5:13.19	JEAN TROY	USA	2012



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5:15.45	OLGA KOKORINA	RUS	2012	12:30.12	JUNE REYNOLDS	USA	2007	50	M. BACK		
5:17.95	SYLVIA EISELE	CAN	2014	12:47.00	NORA RONAI	BRA	2012	1:05.70	WILLY VAN RYSEL	GBR	2006
5:19.81	NAN BOHL	USA	2015					1:06.29	KALIS RASMUSSEN	CAN	2014
5:26.93	EVA KOPLIKOVA	CZE	2012	*****				1:08.16	NOEL MORROW	CAN	2009
5:29.71	ELSA DE LEEUW	CAN	2009		WOMEN 90-94			1:09.37	HANA ENATSU	JPN	2013
5:32.72	Y.KAPLAN-BADER	FRA	2013	*****				1:12.15	MAURINE KORNFELD	USA	2011
5:33.41	MICHIKO HAMURO	JPN	2004	50	M. FREE			1:12.16	M. CUNNINGHAM	AUS	2015
50	M. FLY			50.72	OLGA KOKORINA	RUS	2013	1:12.54	RITA SIMONTON	USA	2010
1:02.04	LOIS KIVI NOCHMAN	USA	2009	55.53	HISAKO KOGA	JPN	2007	1:13.01	TRUDY BULLIVANT	AUS	2012
1:06.92	JEAN TROY	USA	2012	56.55	RITA SIMONTON	USA	2008	1:13.33	HIDEKO HANADA	JPN	2009
1:07.35	JEAN DURSTON	USA	1999	59.20	ELSA DE LEEUW	CAN	2014	1:13.75	MARIA LENK	BRA	2005
1:09.17	E.LOBSIGER	ESP	2015	1:01.44	M. CUNNINGHAM	AUS	2015	100	M. BACK		
1:09.68	Y.KAPLAN-BADER	FRA	2013	1:01.67	MAURINE KORNFELD	USA	2011	2:24.46	PERSIS RAE	AUS	2010
1:11.38	MARIA LENK	BRA	2000	1:02.79	NORA RONAI	BRA	2014	2:26.64	WILLY VAN RYSEL	GBR	2006
1:12.24	EMIKO SEKINO	JPN	2015	1:03.69	JOYCE O'FARRELL	AUS	2012	2:29.86	HANA ENATSU	JPN	2013
1:12.55	NORA RONAI	BRA	2009	1:04.18	NOEL MORROW	CAN	2009	2:30.57	KALIS RASMUSSEN	CAN	2015
1:16.65	M. CUNNINGHAM	AUS	2010	1:05.20	WILLY VAN RYSEL	GBR	2006	2:32.24	RITA SIMONTON	USA	2010
1:16.71	MAXINE MERLINO	USA	1998	100	M. FREE			2:33.82	NOEL MORROW	CAN	2009
100	M. FLY			1:58.28	OLGA KOKORINA	RUS	2013	2:34.81	MAURINE KORNFELD	USA	2011
2:21.77	LOIS KIVI NOCHMAN	USA	2009	2:07.65	RITA SIMONTON	USA	2008	2:36.08	HIDEKO HANADA	JPN	2009
2:27.22	BETTY RUSS	USA	2013	2:09.13	HISAKO KOGA	JPN	2008	2:40.94	TRUDY BULLIVANT	AUS	2012
2:36.50	JEAN DURSTON	USA	1999	2:10.77	ELSA DE LEEUW	CAN	2014	2:43.99	MARIA LENK	BRA	2005
2:37.57	Y.KAPLAN-BADER	FRA	2013	2:11.28	MAURINE KORNFELD	USA	2014	200	M. BACK		
2:51.00	MAXINE MERLINO	USA	1998	2:21.49	FUMI MURATA	JPN	2013	4:57.77	PERSIS RAE	AUS	2010
2:59.72	JUNE REYNOLDS	USA	2007	2:22.81	JOYCE O'FARRELL	AUS	2012	5:02.82	WILLY VAN RYSEL	GBR	2006
3:05.69	JAE HOWELL	USA	2007	2:23.66	WILLY VAN RYSEL	GBR	2006	5:24.31	MAURINE KORNFELD	USA	2014
3:16.99	NORA RONAI	BRA	2012	2:24.64	BETTY BRUSSEL	CAN	2015	5:29.42	HIDEKO HANADA	JPN	2009
3:20.81	JEWEL COOKE	USA	1996	2:28.16	KALIS RASMUSSEN	CAN	2015	5:33.60	KALIS RASMUSSEN	CAN	2014
3:22.29	EDITH GLUSAC	USA	2003	200	M. FREE			5:44.73	TRUDY BULLIVANT	AUS	2012
200	M. FLY			4:24.90	RITA SIMONTON	USA	2008	5:46.03	HANA ENATSU	JPN	2015
4:59.50	LOIS KIVI NOCHMAN	USA	2009	4:30.42	MAURINE KORNFELD	USA	2012	5:56.27	ANNE WALKER	USA	2006
5:33.79	BETTY RUSS	USA	2012	4:49.36	HISAKO KOGA	JPN	2008	6:16.53	L.GENOULAZ	FRA	2015
5:42.80	JEAN DURSTON	USA	1999	4:52.63	ELSA DE LEEUW	CAN	2014	6:24.54	MARY LATHRAM	USA	2006
6:01.46	MAXINE MERLINO	USA	1998	4:58.52	BETTY BRUSSEL	CAN	2014	50	M. BRST		
6:04.28	Y.KAPLAN-BADER	FRA	2014	5:08.97	CHIYOKO TAKIZAWA	JPN	2012	1:02.33	OLGA KOKORINA	RUS	2013
6:26.75	JAE HOWELL	USA	2007	5:11.66	WILLY VAN RYSEL	GBR	2006	1:11.00	INGEBORG FRITZE	GER	2011
6:45.75	JUNE REYNOLDS	USA	2007	5:15.90	VALERIE LINCOLN	AUS	2014	1:15.48	FUSAKO TOMINARI	JPN	2007
7:12.95	JEWEL COOKE	USA	1996	5:19.08	FUMI MURATA	JPN	2014	1:16.42	NORA RONAI	BRA	2014
7:15.07	KATHERINE PELTON	USA	1990	5:21.30	MARIA LENK	BRA	2005	1:18.38	KALIS RASMUSSEN	CAN	2015
7:47.68	NORA RONAI	BRA	2010	400	M. FREE			1:18.76	BETTY BRUSSELS	CAN	2014
100	M. I.M.			9:01.89	RITA SIMONTON	USA	2008	1:20.12	MICHELE GUILLAIS	FRA	2011
2:08.06	JEAN TROY	USA	2012	9:21.61	MAURINE KORNFELD	USA	2013	1:21.91	DOROTHY WESTON	GBR	2003
2:12.85	JEWEL COOKE	USA	1995	10:01.56	HISAKO KOGA	JPN	2007	1:22.47	LIZ KNUTZEN	DEN	2010
2:12.90	AGNES KISS	HUN	2013	10:06.85	BETTY BRUSSEL	CAN	2015	1:24.48	MARIA LENK	BRA	2005
2:13.69	MARGERY MEYER	USA	2008	10:29.76	WILLY VAN RYSEL	GBR	2006	100	M. BRST		
2:15.05	KIMIKO OOKA	JPN	2014	10:33.62	ELSA DE LEEUW	CAN	2014	2:25.58	OLGA KOKORINA	RUS	2013
2:15.23	Y.KAPLAN-BADER	FRA	2014	10:45.34	MAXINE MERLINO	USA	2002	2:46.46	INGEBORG FRITZE	GER	2011
2:17.34	BETTY RUSS	USA	2013	11:10.67	MARIA LENK	BRA	2005	3:00.44	KALIS RASMUSSEN	CAN	2015
2:18.42	E.LOBSIGER	ESP	2015	11:15.72	VALERIE LINCOLN	AUS	2015	3:01.08	NAKA FUKUOKA	JPN	2014
2:18.55	LOIS KIVI NOCHMAN	USA	2009	11:30.28	KALIS RASMUSSEN	CAN	2015	3:04.86	DOROTHY WESTON	GBR	2003
2:20.07	SYLVIA EISELE	CAN	2014	800	M. FREE			3:05.60	MARIA LENK	BRA	2005
200	M. I.M.			18:38.69	MAURINE KORNFELD	USA	2011	3:14.51	BETTY BRUSSEL	CAN	2014
4:48.96	JEAN TROY	USA	2012	18:38.98	RITA SIMONTON	USA	2008	3:16.60	BARBARA BOHM	GER	2010
4:59.06	LOIS KIVI NOCHMAN	USA	2009	20:07.33	BETTY BRUSSEL	CAN	2014	3:25.74	M.GOTTSCHALK	GER	1999
5:04.14	Y.KAPLAN-BADER	FRA	2013	21:16.76	WILLY VAN RYSEL	GBR	2006	3:26.15	MIRIAM TUOVILA	USA	2015
5:09.92	MARIA LENK	BRA	2000	22:18.84	MAXINE MERLINO	USA	2002	200	M. BRST		
5:12.01	JEAN DURSTON	USA	1999	22:40.67	FUMI MURATA	JPN	2014	5:15.24	OLGA KOKORINA	RUS	2013
5:12.13	MAXINE MERLINO	USA	1998	22:57.60	VALERIE LINCOLN	AUS	2015	6:31.21	INGEBORG FRITZE	GER	2011
5:22.71	E.LOBSIGER	ESP	2015	23:17.55	KALIS RASMUSSEN	CAN	2015	6:37.73	MARIA LENK	BRA	2005
5:26.90	RITA SIMONTON	USA	2004	25:03.34	MARIA LENK	BRA	2007	6:45.18	KALIS RASMUSSEN	CAN	2014
5:36.16	MARIANNA BERKLEY	USA	2007	25:12.44	KATH JOHNSTONE	NZL	2007	7:03.42	BETTY BRUSSELS	CAN	2014
5:37.00	M. CUNNINGHAM	AUS	2010	1500	M. FREE			7:06.04	BARBARA BOHM	GER	2010
400	M. I.M.			35:40.38	RITA SIMONTON	USA	2008	7:20.16	MIRIAM TUOVILA	USA	2015
10:13.73	JEAN TROY	USA	2012	41:20.62	WILLY VAN RYSEL	GBR	2006	7:56.76	CHARLOTTE SANDDAL	USA	2012
10:28.05	LOIS KIVI NOCHMAN	USA	2009	41:59.32	FUMI MURATA	JPN	2013	7:57.95	MICHIKO HAMURO	JPN	2009
10:39.21	Y.KAPLAN-BADER	FRA	2014	44:27.18	MAXINE MERLINO	USA	2002	8:05.15	M. CUNNINGHAM	AUS	2015
10:55.73	JEAN DURSTON	USA	1999	45:12.58	KALIS RASMUSSEN	CAN	2015	50	M. FLY		
11:02.02	MAXINE MERLINO	USA	1998	48:36.59	KATH JOHNSTONE	NZL	2007	1:21.95	CHARLOTTE SANDDAL	USA	2012
11:16.04	BETTY RUSS	USA	2015	50:36.15	LILLIAN WARREN	CAN	2010	1:25.65	NORA RONAI	BRA	2014
11:51.00	KALIS RASMUSSEN	CAN	2009	53:29.69	CHARLOTTE SANDDAL	USA	2015	1:30.41	RITA SIMONTON	USA	2008
12:24.66	JAE HOWELL	USA	2007	53:43.25	GUDRUN KLOOS	RSA	2015	1:34.61	DOROTHY WESTON	GBR	2003



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1:35.56	MAXINE MERLINO	USA	2002	19:24.06	ROSA SELLARES	ESP	2006	22.25	SERGEY MUKHIN	RUS	2013
1:48.46	MARIE KELLEHER	USA	2006	21:39.84	ANNE DUNIVIN	USA	2011	22.30	RYO ISHII	JPN	2015
1:49.08	JEWEL COOKE	USA	2000	800 M. FREE				22.36	DANIEL BELINI	BRA	2009
1:53.34	KALIS RASMUSSEN	CAN	2014	27:58.70	MIEKO NAGAOKA	JPN	2010	22.37	RENATO GUERALDI	BRA	2009
1:54.97	MAURINE KORNFELD	USA	2013	1500 M. FREE				22.38	ERIC MCGINNIS	USA	2014
3:46.54	GERDA VOSS	CAN	2009	42:34.14	RITA SIMONTON	USA	2013	22.40	LUKAS HARNOL	CZE	2009
100 M. FLY				55:14.66	MIEKO NAGAOKA	JPN	2011	22.48	ED WAGNER	USA	1996
3:21.00	DOROTHY WESTON	GBR	2003	50 M. BACK				22.48	ROBERT PEEL	USA	1993
3:45.69	NORA RONAI	BRA	2014	1:20.28	MIEKO NAGAOKA	JPN	2010	100 M. FREE			
4:06.32	JEWELL COOK	USA	1999	1:27.92	EDITH HENDRY	USA	2006	47.43	CESAR CIELO	USA	2014
200 M. FLY				1:40.07	LAURA OLIVEIRA	BRA	2014	48.29	DARIAN TOWNSEND	USA	2013
9:17.02	NORA RONAI	BRA	2014	1:47.22	KIKU ONO	JPN	2012	48.32	ADAM RITTER	USA	2014
100 M. I.M.				1:50.40	MASAKO MATSUNO	JPN	2012	48.58	S.KUNZELMANN	GER	2005
2:22.96	OLGA KOKORINA	RUS	2013	1:52.63	MARY LATHRAM	USA	2010	49.58	ANDREW MANLEY	GBR	2003
2:51.20	RITA SIMONTON	USA	2008	1:53.95	KATH JOHNSTONE	NZL	2013	49.60	KOSUKE MAEDA	JPN	2015
2:53.56	NORA RONAI	BRA	2014	1:57.45	BERNARDA ANGULO	ESP	2008	49.60	DANIEL BELINI	BRA	2009
3:00.91	KALIS RASMUSSEN	CAN	2014	2:00.16	SHIZUE SHIMIZU	JPN	2006	49.90	AKIRA OGASAWARA	JPN	2010
3:06.08	DOROTHY WESTON	GBR	2003	2:04.24	ROSA SELLARES	ESP	2005	49.90	LUKAS HARNOL	CZE	2009
3:06.87	MAXINE MERLINO	USA	2004	100 M. BACK				49.91	BJORN ZIKARSKY	USA	1995
3:08.12	MAURINE KORNFELD	USA	2011	2:55.44	MIEKO NAGAOKA	JPN	2009	200 M. FREE			
3:13.87	JEWEL COOKE	USA	1999	2:59.71	RITA SIMONTON	USA	2014	1:44.90	DARIAN TOWNSEND	USA	2013
3:20.81	M. CUNNINGHAM	AUS	2015	3:25.37	EDITH HENDRY	USA	2006	1:46.52	ADAM RITTER	USA	2013
3:23.98	CHARLOTTE SANDDAL	USA	2012	3:46.03	LAURA OLIVEIRA	BRA	2014	1:48.81	JOHN KEPPELER	USA	1995
200 M. I.M.				4:07.69	MARY LATHRAM	USA	2010	1:49.94	ANDREW MANLEY	GBR	2003
5:58.46	RITA SIMONTON	USA	2008	4:08.35	BERNARDA ANGULO	ESP	2008	1:50.01	KOSUKE MAEDA	JPN	2014
6:25.12	MAXINE MERLINO	USA	2003	4:12.61	SHIZUE SHIMIZU	JPN	2006	1:50.19	SYLVAIN CROS	FRA	2007
6:56.70	JEWEL COOKE	USA	1999	4:36.75	ROSA SELLARES	ESP	2005	1:50.85	VINICIUS WAKED	USA	2014
7:00.01	KALIS RASMUSSEN	CAN	2015	5:12.32	MARGO BATES	AUS	2007	1:50.99	EDUARDO SCHIESARI	BRA	2002
7:16.26	CHARLOTTE SANDDAL	USA	2012	200 M. BACK				1:51.11	HERMAN LOUW	USA	2000
7:40.70	YOSHIE HASEGAWA	JPN	2015	6:24.50	MIEKO NAGAOKA	JPN	2009	1:51.34	STEVEN MELLOR	GBR	2000
10:46.88	GERDA VOSS	CAN	2009	7:36.62	EDITH HENDRY	USA	2006	400 M. FREE			
11:57.44	HILDA BUEL	USA	2004	9:20.51	BERNARDA ANGULO	ESP	2008	3:53.60	SYLVAIN CROS	FRA	2007
400 M. I.M.				9:37.39	ROSA SELLARES	ESP	2005	3:55.84	LUCA PUCE	ITA	2014
13:55.37	NORA RONAI	BRA	2014	11:55.69	MARGO BATES	AUS	2007	3:56.53	A.ANGELOTTI	BRA	2001
14:55.37	JEWEL COOKE	USA	1999	50 M. BRST				3:56.60	MARTIN HOHL	SUI	2009
				1:50.07	LAURA OLIVEIRA	BRA	2014	3:56.66	AURELIEN COQ	FRA	2004
				2:54.04	KATH JOHNSTONE	NZL	2014	3:57.03	ERIC NILSSON	USA	2013
				3:28.94	MICHIKO HAMURO	JPN	2014	3:57.24	STEVEN MELLOR	GBR	2000
				100 M. I.M.				3:58.23	ALEX KOSTICH	USA	1997
				3:54.89	MARIE KELLEHER	USA	2008	3:59.78	GAVIN LILLEY	GBR	1993
								4:00.23	A.MIGUEL NIZ	POR	2015
								800 M. FREE			
								8:07.91	A.ANGELOTTI	BRA	2001
								8:13.81	G.ORPHANIDES	GBR	2003
								8:14.75	ALEX KOSTICH	USA	1997
								8:17.80	ERIC NILSSON	USA	2013
								8:18.68	RAFAEL CABANILLAS	ESP	2015
								8:21.79	G.SPLITTGERBER	GER	2000
								8:22.10	MATTEO MONTANARI	ITA	2015
								8:22.21	KOHEI FUKAYA	JPN	2009
								8:25.06	JASON NIELSON	USA	1996
								8:26.25	SYLVAIN CROS	FRA	2009
								1500 M. FREE			
								15:29.68	G.ORPHANIDES	GBR	2003
								15:41.81	ALEX KOSTICH	USA	1997
								15:50.89	H.ALBERTO RIBEIRO	POR	2015
								15:51.03	AKIRA OTANI	JPN	2014
								15:56.29	MARTIN HOHL	SUI	2008
								15:56.57	RAFAEL CABANILLAS	ESP	2014
								16:08.62	TAMMO SCHROEDER	GER	2009
								16:15.61	CRAIG PICKERING	USA	2006
								16:16.13	JOHN CALNAN	CAN	2006
								16:23.21	ROB J MACKLE	USA	1992
								50 M. BACK			
								24.17	MARCO LOUGHRAN	GBR	2014
								24.55	DARIAN TOWNSEND	USA	2013
								24.98	DAVID RUSSELL	USA	2014
								25.00	RYO ISHII	JPN	2015
								25.02	RODRIGO TRIVINO	BRA	2012
								25.05	STEV THELOKE	GER	2004
								25.15	KEVIN DOAK	USA	2007



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25.17	SIMON SJODIN	SWE	2013	52.92	DANIEL BELINI	BRA	2009	49.04	S.KUNZELMANN	GER	2008
25.22	TERO RATY	FIN	2004	53.00	DAVID RUSSELL	USA	2014	49.27	GREG MALLETT	USA	2014
25.24	JUNICHI MIYASHITA	JPN	2010	53.04	KIYOTAKA INOUE	JPN	2013	49.30	TAMAS KEREKJARTO	USA	2009
100 M. BACK				53.17	TAKATSUGU OGA	JPN	2014	49.71	ADAM RITTER	USA	2015
53.38	DAVID RUSSELL	USA	2014	53.46	IVAN NECHUNAEV	GBR	2015	49.89	SERGEY MUKHIN	RUS	2015
53.85	RYO ISHII	JPN	2015	53.63	TAKUYA HASEGAWA	JPN	2013	49.89	M.BILDOSOLA	ESP	2014
54.23	LEONARDO SUMIDA	BRA	2011	53.72	KEI NAKASHIMA	JPN	2009	49.95	FERNANDO ALAEZ	ESP	2009
54.47	TAKASHI TAKEMOTO	JPN	2012	53.82	JEFF DASH	USA	2008	49.97	ANDREW MANLEY	GBR	2008
54.58	ROMAN MIKHAILOV	RUS	2015	53.91	KIYOTAKA IDO	JPN	2014	200 M. FREE			
54.99	IAN POWELL	GBR	2011	200 M. FLY				1:46.12	DARIAN TOWNSEND	USA	2014
55.04	STEFAN HERBST	GER	2005	1:59.74	MARK LEWIS	GBR	2008	1:46.52	STEFAN HERBST	GER	2011
55.15	TERO RATY	FIN	2004	1:59.80	MAKSIM GANIKHIN	RUS	2012	1:48.17	YURIY UFIMTSEV	RUS	2015
55.26	KEVIN DOAK	USA	2009	1:59.92	SATOSHI TORATANI	JPN	2008	1:48.40	JACOB CARSTENSEN	DEN	2008
55.42	TAKAFUMI OISHI	JPN	2005	2:00.88	KIYOTAKA IDO	JPN	2015	1:49.00	CHRISTOPH HILMER	GER	2006
200 M. BACK				2:01.72	YOHEI KATO	JPN	2007	1:49.58	TAMAS KEREKJARTO	USA	2009
1:56.22	STEFAN HERBST	GER	2006	2:01.74	LOIC LEROY	FRA	2006	1:50.00	GREG MALLETT	USA	2014
1:59.68	IAN POWELL	GBR	2011	2:01.95	IKUMI HASEGAWA	JPN	2010	1:50.25	ADAM RITTER	USA	2015
2:00.80	VICTOR MIGEON	FRA	2015	2:02.05	KIMITAKA MINOBE	JPN	2003	1:50.91	ROWDY GAINES	JPN	1989
2:01.14	DEAN KENT	NZL	2005	2:02.72	LASSE FRANK	GER	2007	1:51.97	ANDREW MANLEY	GBR	2007
2:01.78	MARTIN HARRIS	GBR	1994	2:02.86	M.BABUCHOWSKI	POL	2011	400 M. FREE			
2:02.10	A.MIGUEL NIZ	POR	2015	100 M. I.M.				3:51.97	YURIY UFIMTSEV	RUS	2014
2:02.23	JOHNATHAN SARGENT	GBR	2011	53.47	DARIAN TOWNSEND	USA	2013	3:57.47	TAMAS KEREKJARTO	USA	2009
2:02.63	JOHN KEPPELER	USA	1995	53.53	ADAM RITTER	USA	2014	3:58.40	ALEX KOSTICH	USA	2000
2:02.67	JONATHAN AUDIS	GBR	2009	54.80	RYO ISHII	JPN	2015	3:59.83	BRUCE HAYES	USA	1994
2:02.75	LEONARDO SUMIDA	BRA	2011	55.13	YUTA SHOJI	JPN	2010	4:00.26	SEBASTIAN WIESE	GER	2004
50 M. BRST				55.20	STEFAN HERBST	GER	2004	4:00.36	FABIEN CZACHOR	FRA	2009
27.31	EETU KARVONEN	USA	2013	55.78	OLIVER WENZEL	GER	2009	4:02.06	RAPHAEL VIEIRA	BRA	2008
27.41	RYO KOBAYASHI	JPN	2014	55.97	IKUMI HASEGAWA	JPN	2012	4:02.13	CLAUS IVERSEN	DEN	2011
27.55	IGOR GOLOVIN	RUS	2015	56.13	NAOKI HAGURA	JPN	2008	4:02.56	SYLVAIN CROS	FRA	2010
27.59	ADAM RITTER	USA	2014	56.25	YUTA SAITO	JPN	2015	4:02.66	ROWDY GAINES	JPN	1989
27.68	A.LIUKKONEN	FIN	2014	56.36	NAOYA HIRANO	JPN	2012	800 M. FREE			
27.69	RUSS PATRICK	CAN	2003	200 M. I.M.				8:17.06	ALEX KOSTICH	USA	2000
27.76	EDUARDO FISCHER	BRA	2005	1:59.70	K.GILCHRIST	FRA	2010	8:19.13	SEBASTIAN WIESE	GER	2004
27.77	YUKI HONDA	JPN	2014	1:59.79	ADAM RITTER	USA	2013	8:19.44	BRUCE HAYES	USA	1994
27.91	MALIK FALL	SEN	2014	2:00.56	STEFAN HERBST	GER	2006	8:22.07	ALBERT GALLARDO	ESP	2014
27.97	RYO ISHII	JPN	2015	2:01.58	DEAN KENT	NZL	2005	8:22.07	DAVID GENET	FRA	2013
100 M. BRST				2:02.48	RYOYA TAGUCHI	JPN	2011	8:22.10	FABIEN CZACHOR	FRA	2009
59.21	EETU KARVONEN	USA	2013	2:02.90	VICTOR MIGEON	FRA	2015	8:28.60	IGOR PIOVESAN	ITA	2008
59.24	RYO KOBAYASHI	JPN	2014	2:03.28	AURELIEN COQ	FRA	2004	8:29.34	JOSE HERVAS	ESP	2013
1:00.28	EDUARDO FISCHER	BRA	2005	2:03.93	YUTA SAITO	JPN	2015	8:29.51	CRAIG PICKERING	USA	2008
1:00.99	TETSUYA WAKATSUKI	JPN	2015	2:04.10	IKUMI HASEGAWA	JPN	2010	8:31.77	JULIEN BAILLOD	SUI	2014
1:01.18	MICHAL ZAWADKA	POL	2015	2:04.17	YOHEI KATO	JPN	2007	1500 M. FREE			
1:01.43	PIOTR SAFRONCZYK	POL	2014	400 M. I.M.				15:51.07	ALEX KOSTICH	USA	2000
1:01.48	KOTARO MORITA	JPN	2010	4:14.51	IKUMI HASEGAWA	JPN	2009	15:54.44	LUCA PUCE	ITA	2015
1:01.49	MITSUHIRO MARU	JPN	2008	4:20.94	DEAN KENT	NZL	2005	16:06.84	IGOR PIOVESAN	ITA	2008
1:01.62	GARY MARSHALL	USA	2009	4:26.08	JULIEN BAILLOD	SUI	2009	16:08.42	DAVID GENET	FRA	2014
1:01.99	NIKLAS TOUR	SWE	2014	4:26.79	JOHN KEPPELER	USA	1995	16:09.53	JULIEN BAILLOD	SUI	2013
200 M. BRST				4:26.97	ALEX KOSTICH	USA	1997	16:09.78	JOSE HERVAS	ESP	2014
2:10.68	RYO KOBAYASHI	JPN	2013	4:28.12	GIORGIO PAOLETTI	ITA	2012	16:11.71	ANDREA MARCATO	ITA	2004
2:11.81	SEAN MAHONEY	USA	2014	4:28.38	RAYMOND VD MERWE	NED	2012	16:12.03	FABIEN CZACHOR	FRA	2009
2:14.44	CHRISTOPHER JONES	GBR	2007	4:30.05	DAVID HOLMES	GBR	2009	16:15.49	MIKE SHAFFER	USA	1995
2:15.42	SIMON LEIGHFIELD	AUS	2002	4:30.42	SYLVAIN CROS	FRA	2009	16:19.32	MARTIN HOHL	SUI	2013
2:16.46	CHIKAHIDE ENDO	JPN	2013	4:30.99	MARCEL RINZLER	USA	2000	50 M. BACK			
2:16.98	TAKAHIRO NETSU	JPN	2013	*****				24.81	DERYA BUYUKUNCU	USA	2009
2:17.34	YUICHI SAKAI	JPN	2015	M E N 30-34				24.92	KEVIN DOAK	USA	2012
2:17.95	ANDREA CAVALLETTI	ITA	2013	*****				25.18	DARIAN TOWNSEND	USA	2015
2:18.21	FABIO SILVA	BRA	2006	50 M. FREE				25.30	RODRIGO TRIVINO	BRA	2015
2:18.31	KOICHI MASUI	JPN	2010	21.59	EVGENIY LAGUNOV	RUS	2015	25.41	SIMON BURNETT	USA	2014
50 M. FLY				21.98	NICHOLAS BRUNELLI	USA	2011	25.49	IKUMI HASEGAWA	JPN	2015
23.38	RYO ISHII	JPN	2015	22.13	THOMAS RUPPRATH	GER	2009	25.54	MARTIN ZUBERO	USA	2001
23.53	DARIAN TOWNSEND	USA	2013	22.15	DARIAN TOWNSEND	USA	2014	25.59	THIAGO PINTO	BRA	2008
23.60	YOSHIHIRO ASO	JPN	2014	22.24	DAVID MAITRE	FRA	2011	25.67	HAJIME ITOI	JPN	2001
23.66	DAISUKE ABE	JPN	2009	22.38	PETTER STYMME	SWE	2015	25.70	FERNANDO ALAEZ	ESP	2009
23.70	OLIVER WENZEL	GER	2009	22.39	ANTHONY ERVIN	USA	2011	100 M. BACK			
23.95	DANIEL BELINI	BRA	2009	22.41	S.KUNZELMANN	GER	2008	52.68	DERYA BUYUKUNCU	USA	2009
24.10	M. PATTERSON	AUS	2011	22.47	SERGEY MUKHIN	RUS	2015	54.65	SIMON BURNETT	USA	2014
24.15	ADAM RITTER	USA	2014	22.51	YOSHIHIRO ASO	JPN	2015	54.90	ENRICO CATALANO	ITA	2015
24.17	GLAUBER SILVA	BRA	2011	100 M. FREE				55.17	KEVIN DOAK	USA	2012
24.20	DAVID RUSSELL	USA	2014	47.29	EVGENIY LAGUNOV	RUS	2015	55.19	MARTIN ZUBERO	USA	2003
100 M. FLY				48.08	DARIAN TOWNSEND	USA	2014	55.47	PIERRE ROGER	FRA	2015
52.45	DARIAN TOWNSEND	USA	2013					55.65	RODRIGO TRIVINO	BRA	2014



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55.78	MARTIN HARRIS	GBR	2000	1:59.77	DARIAN TOWNSEND	USA	2015	1:51.54	MICHAEL ROSS	USA	2004
55.91	ALEXEY ZATSEPIN	RUS	2014	2:00.21	HIROSHI MIURA	JPN	2000	1:52.90	RON KARNAUGH	USA	2002
55.98	TAKUMA YAMAOKA	JPN	2008	2:00.50	TAMAS KEREKJARTO	USA	2009	1:53.37	TYLER BLESSING	USA	2009
200 M. BACK				2:02.22	LOIC LEROY	FRA	2012	1:53.54	M.EROLI	ITA	2012
1:55.46	DERYA BUYUKUNCU	USA	2009	2:04.03	JOCHEN HANZ	GER	2009	1:53.66	EDWIN VAN NORDEN	NED	1998
1:56.68	STEFAN HERBST	GER	2008	2:04.49	PAUL WILKES	GBR	2014	1:53.69	CLAUS IVERSEN	DEN	2015
2:00.43	MARTIN ZUBERO	USA	2001	2:04.59	MIKE SHAFFER	USA	1995	1:54.14	ISAMU TSUZUKI	JPN	2012
2:02.15	EDUARDO SEVIERI	BRA	2015	2:05.00	C.SORRENTINO	ITA	2008	1:54.16	JACOB CARSTENSEN	DEN	2013
2:02.81	MARCO MACCIANTI	ITA	2015	2:05.07	FERNANDO ALAEZ	ESP	2008	400 M. FREE			
2:02.84	TAKAFUMI OISHI	JPN	2007	100 M. I.M.				3:57.77	ERIK HOCHSTEIN	USA	2003
2:02.91	JOHN KEPPELER	USA	1999	53.75	DARIAN TOWNSEND	USA	2014	3:58.50	F.SILVESTRI	ITA	2002
2:03.36	TAKUMA YAMAOKA	JPN	2008	54.61	ADAM RITTER	USA	2015	3:59.71	JACOB CARSTENSEN	DEN	2013
2:03.53	SYLVAIN CROS	FRA	2010	55.00	STEFAN HERBST	GER	2008	4:01.78	RON KARNAUGH	USA	2003
2:03.77	JEROME FAROUZE	FRA	2007	55.39	YUTA SHOJI	JPN	2015	4:02.35	SEBASTIAN WIESE	GER	2007
50 M. BRST				55.77	NICHOLAS BRUNELLI	USA	2011	4:02.52	MIKE SHAFFER	USA	2000
26.77	JORGE ALONZO	ESP	2009	55.80	DAISUKE HOSOKAWA	JPN	2014	4:03.90	NICOLAS GRANGER	FRA	2002
27.11	MARCELO TOMAZINI	BRA	2009	55.99	SIMON BURNETT	USA	2014	4:04.81	SAMUELE PAMPANA	ITA	2015
27.23	SERGEY GEYBEL	RUS	2015	56.29	ALEXEY ZATSEPIN	RUS	2014	4:05.07	GARRY MEIKLEJOHN	JPN	2009
27.73	CARLOS ALENCAR	BRA	2009	56.34	FERNANDO ALAEZ	ESP	2009	4:05.29	ALEX KOSTICH	USA	2009
27.81	THOMAS RUPPRATH	GER	2009	56.36	ATTILA CZENE	SWE	2004	800 M. FREE			
28.01	JEFF COMMINGS	USA	2008	200 M. I.M.				8:16.19	ALEX KOSTICH	USA	2009
28.20	RYOSUKE IMAI	JPN	2011	1:57.68	TAMAS KEREKJARTO	USA	2009	8:23.06	ERIK HOCHSTEIN	USA	2003
28.27	MATTHIAS RUMPF	GER	2009	1:57.77	DARIAN TOWNSEND	USA	2014	8:26.43	MIKE SHAFFER	USA	2000
28.31	HIDEAKI TOGO	JPN	2003	1:58.13	STEFAN HERBST	GER	2008	8:27.96	IGOR PIOVESAN	ITA	2009
28.48	TOMASZ DUSZYNSKI	POL	2009	2:02.20	HIROYUKI KOSAKA	JPN	2010	8:28.37	RICHARD STANNARD	GBR	2009
100 M. BRST				2:03.04	KEITH BEAVERS	CAN	2014	8:29.31	BOBBY PATTEN	USA	1999
59.85	SERGEY GEYBEL	RUS	2015	2:03.54	DIOGO YABE	BRA	2011	8:30.84	OLIVIER VAHE	FRA	2009
1:00.46	RYO KOBAYASHI	JPN	2015	2:03.74	TIMOTHY CARLSON	USA	2009	8:30.95	SAMUELE PAMPANA	ITA	2015
1:00.81	ED MOSES	USA	2011	2:03.76	ALEXEY ZATSEPIN	RUS	2014	8:31.55	GARRY MEIKLEJOHN	JPN	2009
1:00.95	RYOSUKE IMAI	JPN	2011	2:04.01	ATTILA CZENE	SWE	2004	8:31.76	R SEAN JUSTICE	USA	2015
1:01.07	KYOSUKE YONEHARA	JPN	2010	2:04.16	JOCHEN HANZ	GER	2008	1500 M. FREE			
1:01.15	K.GILCHRIST	GBR	2013	400 M. I.M.				15:56.57	ALEX KOSTICH	USA	2009
1:01.34	MATTHIAS RUMPF	GER	2009	4:13.68	DARIAN TOWNSEND	USA	2015	15:58.20	BOBBY PATTEN	USA	1999
1:01.34	JEFF COMMINGS	USA	2008	4:19.69	TAMAS KEREKJARTO	USA	2009	16:03.47	MIKE SHAFFER	USA	2000
1:01.35	RYUTARO MORITA	JPN	2009	4:22.35	ASUKA KOIZUMI	JPN	2009	16:05.94	RICHARD STANNARD	GBR	2009
1:01.59	MALIK FALL	SEN	2015	4:25.00	KEITH BEAVERS	CAN	2014	16:07.85	FRED CLATWORTHY	GBR	2009
200 M. BRST				4:26.74	ROQUE SANTOS	USA	1999	16:11.68	IGOR PIOVESAN	ITA	2009
2:12.54	RYO KOBAYASHI	JPN	2015	4:27.02	JOCHEN HANZ	GER	2008	16:12.88	ERIK HOCHSTEIN	USA	2003
2:12.58	HIROYUKI KOSAKA	JPN	2010	4:28.83	K.GILCHRIST	GBR	2013	16:17.38	DANIEL SERRA	ESP	2007
2:12.92	KYOSUKE YONEHARA	JPN	2010	4:29.07	ALEX KOSTICH	USA	2000	16:20.54	NICOLAS GRANGER	FRA	2006
2:13.16	K.GILCHRIST	GBR	2013	4:32.23	JEROME FRENTSOS	USA	1999	16:24.14	OLIVIER VAHE	FRA	2008
2:13.60	KAZUYA KOIKE	JPN	2009	4:33.78	JULIEN BAILLOD	SUI	2011	50 M. BACK			
2:15.36	CHRISTOPHER JONES	GBR	2015	*****				25.43	STEV THELOKE	GER	2015
2:15.72	TOMASZ DUSZYNSKI	POL	2007	M E N 35-39				25.72	EDILSON SILVA	USA	2009
2:16.60	NICK GILLINGHAM	GBR	2001	*****				25.86	MICHAEL ROSS	USA	2004
2:16.82	SERGEY GEYBEL	RUS	2015	50 M. FREE				26.10	C.SORRENTINO	ITA	2010
2:17.56	ROQUE SANTOS	USA	1999	21.53	MARK FOSTER	GBR	2007	26.36	KENICHI KANEKO	JPN	2015
50 M. FLY				22.47	JOHN MIRANDA	SWE	2000	26.36	LEONARDO GOMES	BRA	2010
22.87	THOMAS RUPPRATH	GER	2009	22.48	RYK NEETHLING	RSA	2014	26.48	KENTARO KITADA	JPN	2015
24.07	YOSHIHIRO ASO	JPN	2015	22.72	EDUARDO LORENTE	ESP	2014	26.51	BEN HARKIN	GBR	2014
24.10	FERNANDO ALAEZ	ESP	2009	22.73	FELIPE DELGADO	USA	2009	26.55	ALEXANDR SHILIN	RUS	2015
24.11	LEANDRO OKUDA	BRA	2009	22.86	JEROME LE COQ	FRA	2010	26.58	KENTARO NAKAMURA	JPN	2010
24.20	TAKASHI NISHIYAMA	JPN	2009	22.96	STEPHANE MEYER	FRA	2009	100 M. BACK			
24.32	MARCELO TOMAZINI	BRA	2009	22.97	GLENN COUNTS	USA	2012	55.95	MICHAEL ROSS	USA	2004
24.36	HAJIME ITOI	JPN	2003	23.02	BRIAN JACOBSON	USA	2008	56.42	JEFF WELECHUK	CAN	2009
24.37	MILORAD CAVIC	USA	2015	23.04	M.GIALDI	ITA	2004	56.93	RON KARNAUGH	USA	2002
24.40	SERGEY MUKHIN	RUS	2015	100 M. FREE				57.14	DEREK GUFFEY	USA	2009
24.42	SATOSHI WAKIMORI	JPN	2015	49.53	JOHN MIRANDA	SWE	2000	57.19	JEFF COMMINGS	USA	2009
100 M. FLY				50.54	STEPHANE MEYER	FRA	2009	57.24	M.EROLI	ITA	2013
52.63	STEFAN HERBST	GER	2011	50.72	MICHAEL PICOTTE	USA	2009	57.25	TAKUMA YAMAOKA	JPN	2013
52.81	DARIAN TOWNSEND	USA	2014	50.82	EIJI NOMURA	JPN	2010	57.33	KENICHI KANEKO	JPN	2015
53.14	YOSHIHIRO ASO	JPN	2015	50.85	GLENN COUNTS	USA	2012	57.47	MAURIZIO TERSAR	ITA	2015
54.10	TAMAS KEREKJARTO	USA	2009	50.91	OLIVER PLANES	ESP	2013	57.54	STEV THELOKE	GER	2013
54.20	TAKAHIRO MORI	JPN	2011	51.01	RON KARNAUGH	USA	2003	200 M. BACK			
54.28	S.KUNZELMANN	GER	2008	51.03	TAMAS KEREKJARTO	USA	2015	2:00.34	RON KARNAUGH	USA	2002
54.50	MARCELO TOMAZINI	BRA	2009	51.11	ISAMU TSUZUKI	JPN	2010	2:01.55	STEFAN HERBST	GER	2013
54.64	SIMON BURNETT	USA	2014	51.31	MICHAEL ROSS	USA	2004	2:03.20	DEREK GUFFEY	USA	2009
54.66	HIROKI NAKAZONO	JPN	2009	200 M. FREE				2:03.75	MAURIZIO TERSAR	ITA	2015
54.68	SATOSHI WAKIMORI	JPN	2015	1:51.31	ERIK HOCHSTEIN	USA	2003	2:04.21	CHRIS JONES	GBR	2006
200 M. FLY				1:51.47	JOCHEN BRUHA	GER	2004	2:04.96	JEFF WELECHUK	CAN	2009
1:59.51	MARCELO TOMAZINI	BRA	2009					2:05.01	TAKAYUKI MIYASAKA	JPN	2012



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2:06.26	ROMAIN MARTY	FRA	2009	56.37	C.SORRENTINO	ITA	2010	4:00.80	ALBERTO MONTINI	ITA	2009
2:06.45	TAKUMA YAMAOKA	JPN	2013	56.80	STEFAN HERBST	GER	2013	4:01.32	ERIK HOCHSTEIN	USA	2009
2:06.64	ANTONINO TRIPPEDO	ITA	2015	56.94	RON KARNAUGH	USA	2003	4:04.20	ERIC CHRISTENSEN	USA	2014
50 M. BRST				56.98	JEFF COMMINGS	USA	2009	4:04.69	NICOLAS GRANGER	FRA	2010
27.79	JEFF COMMINGS	USA	2009	57.03	BEN HARKIN	GBR	2014	4:05.30	F.SILVESTRI	ITA	2003
28.30	STEVE WEST	USA	2009	57.04	TAKAHIRO MORI	JPN	2015	4:05.34	FABIO CALMASINI	ITA	2012
28.57	RYOSUKE IMAI	JPN	2015	57.69	ISAMU TSUZUKI	JPN	2011	4:06.30	PATRICK BRUNDAGE	USA	2009
28.63	PER SVANBERG	SWE	2009	58.00	M.EROLI	ITA	2013	4:07.00	ALEJANDRO MORENO	MEX	2009
28.75	RON KARNAUGH	USA	2002	58.03	BRIAN JACOBSON	USA	2008	4:07.44	IGOR PIOVESAN	ITA	2014
28.77	WALLY DICKS	USA	1998	200 M. I.M.				800 M. FREE			
28.84	BEN HARKIN	GBR	2014	2:03.29	RON KARNAUGH	USA	2002	8:21.78	ALEX KOSTICH	USA	2011
28.86	RODRIGO BARDI	BRA	2015	2:04.89	DEREK GUFFEY	USA	2009	8:25.08	ERIK HOCHSTEIN	USA	2009
28.87	GERALD MORKEN	GER	1997	2:05.28	M.EROLI	ITA	2013	8:27.03	ERIC CHRISTENSEN	USA	2014
28.88	IVAN AGIRRE	ESP	2013	2:06.39	HIROYUKI KOSAKA	JPN	2011	8:28.16	ALEJANDRO MORENO	MEX	2009
100 M. BRST				2:06.88	BEN HARKIN	GBR	2014	8:28.23	DANIEL SERRA	ESP	2009
1:01.18	RYOSUKE IMAI	JPN	2013	2:07.06	JEFF COMMINGS	USA	2009	8:31.69	KAI DITZEL	GER	2005
1:01.47	JEFF COMMINGS	USA	2009	2:07.21	JIM HARVEY	USA	2001	8:31.86	MIKE SHAFFER	USA	2008
1:01.63	STEVE WEST	USA	2009	2:07.31	UWE VOLK	GER	2009	8:33.16	F.SILVESTRI	ITA	2003
1:02.57	RON KARNAUGH	USA	2002	2:07.31	NICOLAS GRANGER	FRA	2004	8:33.19	MICHAEL KLEIBER	GER	2003
1:02.62	NICK GILLINGHAM	GBR	2004	2:07.60	PETER BERMEI	GER	2002	8:33.40	FABIO CALMASINI	ITA	2012
1:02.67	STEPHAN PERROT	FRA	2015	400 M. I.M.				1500 M. FREE			
1:02.79	WALLY DICKS	USA	2000	4:24.36	RON KARNAUGH	USA	2003	16:07.46	DANIEL SERRA	ESP	2009
1:03.00	A.VYSOTSKIY	RUS	2012	4:30.09	CLAUS IVERSEN	DEN	2015	16:09.32	MIKE SHAFFER	USA	2009
1:03.25	BLAKE HOLDEN	USA	2014	4:30.81	DEREK GUFFEY	USA	2009	16:19.00	ERIC CHRISTENSEN	USA	2014
1:03.28	RYUTARO MORITA	JPN	2010	4:32.97	UWE VOLK	GER	2009	16:22.21	DINO SCHORN	ITA	2009
200 M. BRST				4:33.63	JULIEN BAILLOD	SUI	2015	16:23.60	IGOR PIOVESAN	ITA	2014
2:15.42	KAZUYA KOIKE	JPN	2014	4:34.06	JEROME FRENTSOS	USA	2000	16:23.95	F.SILVESTRI	ITA	2003
2:15.64	STEVE WEST	USA	2011	4:35.47	ANTONINO TRIPPEDO	ITA	2015	16:33.41	MARK THOMPSON	AUS	2011
2:16.49	NICK GILLINGHAM	GBR	2004	4:37.47	MARCEL RINZLER	USA	2006	16:34.84	ALEX KOSTICH	USA	2010
2:16.72	STEPHAN PERROT	FRA	2015	4:37.73	ROMAIN MARTY	FRA	2009	16:36.21	ERIK HOCHSTEIN	USA	2009
2:17.47	BLAKE HOLDEN	USA	2014	4:37.89	KEISUKE KUGA	JPN	2012	16:37.00	KAI DITZEL	GER	2005
2:17.96	RON KARNAUGH	USA	2002	*****				16:37.00	MICHAEL KLEIBER	GER	2003
2:18.62	HIROYUKI KOSAKA	JPN	2011	M E N 40-44				50 M. BACK			
2:18.68	V.KIRJANOV	LAT	2009	*****				25.53	MICHAEL ROSS	USA	2009
2:19.61	RODRIGO BARDI	BRA	2015	50 M. FREE				25.94	EDILSON JUNIOR	BRA	2012
2:20.24	MAXIM PODOPRIGORA	AUT	2013	23.06	M.GIALDI	ITA	2010	26.33	DANIEL LONNBERG	SWE	2015
50 M. FLY				23.13	BRIAN JACOBSON	USA	2013	26.56	CHRIS STEVENSON	USA	2008
22.97	LIONEL BRAHIM	FRA	2010	23.18	VLADIMIR PREDKIN	RUS	2013	26.59	TAKAYUKI MIYASAKA	JPN	2015
23.64	ADAM PINE	AUS	2011	23.25	ERIK HOCHSTEIN	USA	2008	26.59	GIUSEPPE TIANO	ITA	2009
23.72	LARS FROLANDER	SWE	2011	23.31	PAUL CLEMENCE	GBR	2014	26.80	SHUJI AZUMA	JPN	2009
24.03	EIJI NOMURA	JPN	2010	23.36	ISAMU TSUZUKI	JPN	2015	27.05	JEFF WELECHUK	CAN	2014
24.48	JAN KARLSSON	SWE	2003	23.45	MICHAEL ROSS	USA	2009	27.09	JIRKA LETZIN	GER	2012
24.87	GLENN COUNTS	USA	2012	23.62	JUAN BENAVIDES	ESP	2015	27.10	MARTIN ZUBERO	USA	2012
24.89	MAKIO ENDO	JPN	2010	23.67	GO KUWATA	JPN	2013	100 M. BACK			
25.11	BEN HARKIN	GBR	2014	23.68	R.ALVES SANTOS	BRA	2003	54.85	MICHAEL ROSS	USA	2008
25.14	IGOR MARCHENKO	USA	2011	100 M. FREE				55.90	CHRIS STEVENSON	USA	2008
25.17	MASATERU IKEDA	JPN	2010	50.43	MICHAEL ROSS	USA	2008	57.36	DANIEL LONNBERG	SWE	2015
100 M. FLY				50.45	ERIK HOCHSTEIN	USA	2009	57.66	ERIC ERICSON	USA	2002
52.24	ADAM PINE	AUS	2011	50.58	LARS FROLANDER	SWE	2015	57.72	JEFF COMMINGS	USA	2015
54.27	IGOR MARCHENKO	USA	2011	51.57	MIKE VAROZZA	USA	2009	57.73	GIUSEPPE TIANO	ITA	2009
54.56	EIJI NOMURA	JPN	2010	51.76	EIJI NOMURA	JPN	2012	57.80	TAKAYUKI MIYASAKA	JPN	2015
54.70	M.EROLI	ITA	2012	51.96	M.GIALDI	ITA	2010	57.80	JEFF WELECHUK	CAN	2011
54.99	GLENN COUNTS	USA	2014	51.98	ISAMU TSUZUKI	JPN	2015	57.89	ISAMU TSUZUKI	JPN	2015
55.20	STEFAN HERBST	GER	2013	52.03	VLADIMIR PREDKIN	RUS	2013	58.23	EDILSON JUNIOR	BRA	2012
55.22	MASATERU IKEDA	JPN	2010	52.07	KAI DITZEL	GER	2004	200 M. BACK			
55.24	STEPHANE MEYER	FRA	2009	52.07	CYRO DELGADO	BRA	2002	2:03.84	MICHAEL ROSS	USA	2008
55.45	BRENT CREAGER	USA	2014	200 M. FREE				2:04.96	CHRIS STEVENSON	USA	2008
55.68	ISAMU TSUZUKI	JPN	2012	1:50.08	MICHAEL ROSS	USA	2008	2:06.66	MARK VOGEL	DEN	2010
200 M. FLY				1:51.95	ERIK HOCHSTEIN	USA	2009	2:06.78	TAKAYUKI MIYASAKA	JPN	2015
2:02.98	BRENT CREAGER	USA	2014	1:53.03	KAI DITZEL	GER	2004	2:07.16	NICOLAS GRANGER	FRA	2010
2:03.05	M.EROLI	ITA	2012	1:54.62	ALBERTO MONTINI	ITA	2010	2:07.78	JEFF WELECHUK	CAN	2011
2:03.31	EIJI NOMURA	JPN	2009	1:55.11	F.SILVESTRI	ITA	2003	2:08.22	Y.NAKAHARA	JPN	2010
2:03.76	FERNANDO ALAEZ	ESP	2011	1:55.42	PATRICK BRUNDAGE	USA	2009	2:08.26	ERIC ERICSON	USA	2002
2:04.06	ISAMU TSUZUKI	JPN	2012	1:55.65	ISAMU TSUZUKI	JPN	2013	2:08.34	ERIC CHRISTENSEN	USA	2014
2:04.50	BOBBY PATTEN	USA	1999	1:55.87	DAVID WARREN	GBR	2014	2:09.24	MARTIN ZUBERO	USA	2012
2:05.84	MIKE SHAFFER	USA	2000	1:55.88	DANIEL SERRA	ESP	2010	50 M. BRST			
2:06.12	LOIC LEROY	FRA	2015	1:56.06	A.BORGIALLI	ITA	2015	28.34	JEFF COMMINGS	USA	2015
2:06.23	ERIK HOCHSTEIN	USA	2003	1:56.06	CYRO DELGADO	BRA	2005	28.52	STEVE WEST	USA	2014
2:06.48	WILLIAM SPECHT	USA	1994	400 M. FREE				28.76	ALBERTO MONTINI	ITA	2010
100 M. I.M.				4:00.67	KAI DITZEL	GER	2004	28.89	YOZO FUJII	JPN	2009
56.36	GLENN COUNTS	USA	2012					28.90	VLADIMIR BRAGIN	RUS	2011



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28.98	HIDEAKI TOGO	JPN	2013	200 M. I.M.		8:35.48	MARK THOMPSON	AUS	2015		
29.02	ANDREA AGOSTINONE	ITA	2010	2:05.46	ROQUE SANTOS	USA	2009	8:38.56	GREG STREPPPEL	CAN	2015
29.07	VAL BAGRI	USA	2015	2:06.97	NICOLAS GRANGER	FRA	2010	8:39.84	MICHAEL PRUFERT	GER	2009
29.08	HAROLD MATLA	NED	2009	2:07.52	JEFF COMMINGS	USA	2015	8:41.60	RICARDO VALDIVIA	USA	2013
29.16	ALAN PESSOTTI	BRA	2014	2:07.71	ERIK HOCHSTEIN	USA	2008	8:42.76	KAI DITZEL	GER	2008
100 M. BRST				2:07.88	UWE VOLK	GER	2010	8:42.85	KEITH SWITZER	USA	2010
1:01.42	STEVE WEST	USA	2014	2:07.96	PETER BERMEL	GER	2007	8:43.10	DINO SCHORN	ITA	2015
1:02.28	JEFF COMMINGS	USA	2014	2:08.13	ALBERTO MONTINI	ITA	2009	8:45.09	NICOLAS GRANGER	FRA	2015
1:02.42	ALBERTO MONTINI	ITA	2009	2:08.37	ERIC CHRISTENSEN	USA	2014	8:46.79	MICHAEL KLEIBER	GER	2008
1:03.08	VLADISLAV BRAGIN	RUS	2011	2:09.46	LORENZO BENUCCI	USA	2008	8:49.03	MICHAEL SCHMIDT	USA	2008
1:03.11	VAL BAGRI	USA	2015	2:09.65	ISAMU TSUZUKI	JPN	2014	1500 M. FREE			
1:03.33	ROQUE SANTOS	USA	2009	400 M. I.M.		16:13.34	FABIO CALMASINI	ITA	2015		
1:03.36	YOZO FUJII	JPN	2010	4:30.68	ERIC CHRISTENSEN	USA	2014	16:28.63	MICHAEL KLEIBER	GER	2008
1:03.89	DAISUKE MIYASAKA	JPN	2015	4:31.92	UWE VOLK	GER	2011	16:37.25	KEITH SWITZER	USA	2011
1:04.49	FABIO MARUSSIG	ITA	2010	4:32.05	ROQUE SANTOS	USA	2008	16:38.92	NICOLAS GRANGER	FRA	2015
1:04.50	MAKOTO ONODERA	JPN	2010	4:33.90	ALBERTO MONTINI	ITA	2009	16:43.02	MARCUS MATTIOLI	BRA	2006
200 M. BRST				4:35.15	ERIK HOCHSTEIN	USA	2008	16:51.21	JIM MCCONICA	USA	1999
2:13.72	STEVE WEST	USA	2014	4:35.57	NICOLAS GRANGER	FRA	2007	16:52.13	B.BORDONALI	ITA	2007
2:15.95	ALBERTO MONTINI	ITA	2009	4:37.02	DARIUSZ WOLNY	POL	2000	16:52.24	MIKE SHAFFER	USA	2010
2:16.03	ROQUE SANTOS	USA	2009	4:39.78	PATRICK BRUNDAGE	USA	2008	16:54.69	GERRY RODRIGUES	USA	2008
2:20.19	HAJIME MORIMOTO	JPN	2010	4:40.07	ISAMU TSUZUKI	JPN	2013	16:56.31	MARK DRENNEN	USA	2004
2:20.63	VAL BAGRI	USA	2015	4:40.38	A.BORGIALLI	ITA	2014	50 M. BACK			
2:21.12	VLADIMIR BRAGIN	RUS	2011					26.62	EDILSON JUNIOR	BRA	2015
2:21.76	DAISUKE MIYASAKA	JPN	2015	*****				27.02	CHRIS STEVENSON	USA	2009
2:22.89	ANDRE WRASSE	GER	2012	M E N 45-49				27.03	MICHAEL ROSS	USA	2014
2:23.16	VLADISLAV BRAGIN	RUS	2015	*****				27.08	HIROYOSHI MAETOGE	JPN	2010
2:24.17	YAMATO TAKAHASHI	JPN	2010	50 M. FREE				27.20	ANDERS RASMUSSEN	USA	2008
50 M. FLY				23.54	VLADIMIR PREDKIN	RUS	2014	27.21	NICOLAS GRANGER	FRA	2015
24.14	LARS FROLANDER	SWE	2014	23.65	MATTHEW BIONDI	USA	2012	27.24	J CLAY BRITT	USA	2006
24.72	EIJI NOMURA	JPN	2013	23.67	JOAKIM HOLMQUIST	SWE	2015	27.35	FRITZ BEDFORD	USA	2009
24.91	MICHAEL ROSS	USA	2008	23.69	M.GIALDI	ITA	2014	27.45	CRAIG NORREY	GBR	2009
24.99	MASATERU IKEDA	JPN	2012	23.77	PAUL CLEMENCE	GBR	2015	27.62	Y.NAKAHARA	JPN	2015
25.03	ISAMU TSUZUKI	JPN	2015	23.80	FRITZ BEDFORD	USA	2009	100 M. BACK			
25.13	HARTMUT BERNER	GER	2005	23.84	DAMIEN CUCUMEL	FRA	2015	57.00	CHRIS STEVENSON	USA	2009
25.29	JAN KARLSSON	SWE	2009	23.88	METELLO SAVINO	ITA	2009	58.20	HIROYOSHI MAETOGE	JPN	2010
25.35	MASATO SAKAI	JPN	2015	24.00	JOAKIM SJOHOLM	SWE	2008	58.45	NICOLAS GRANGER	FRA	2013
25.41	MIKE VAROZZA	USA	2009	24.01	NICOLAS GRANGER	FRA	2012	58.48	J CLAY BRITT	USA	2006
25.43	ROBERTO TARRICONE	ITA	2004	100 M. FREE				58.75	FELIPE BARRETO	MEX	2009
100 M. FLY				51.30	NICOLAS GRANGER	FRA	2012	58.89	ANDERS RASMUSSEN	USA	2008
53.81	LARS FROLANDER	SWE	2014	52.53	MARK THOMPSON	AUS	2015	59.17	EDWIN VAN NORDEN	NED	2009
54.98	EIJI NOMURA	JPN	2014	52.54	PAUL SMITH	USA	2007	59.68	MICHAEL ROSS	USA	2014
55.82	MICHAEL ROSS	USA	2008	52.55	VLADIMIR PREDKIN	RUS	2014	59.86	FRITZ BEDFORD	USA	2011
55.97	ISAMU TSUZUKI	JPN	2013	52.90	MARK REYNOLDS	GBR	2009	59.91	JAY YARID	USA	2008
56.18	WILLIAM SPECHT	USA	1998	52.92	KAI DITZEL	GER	2008	200 M. BACK			
56.31	MASATERU IKEDA	JPN	2012	52.93	DAVID SIMS	USA	2011	2:05.54	CHRIS STEVENSON	USA	2009
56.50	JIM HARVEY	USA	2007	53.04	MARCO COLOMBO	ITA	2005	2:06.66	NICOLAS GRANGER	FRA	2012
56.62	MIKE VAROZZA	USA	2009	53.21	FRITZ BEDFORD	USA	2009	2:10.28	Y.NAKAHARA	JPN	2015
56.62	HARTMUT BERNER	GER	2005	53.49	TOMMY RUNDGREN	FIN	2014	2:10.43	JAY YARID	USA	2008
56.64	ALBERTO MONTINI	ITA	2009	200 M. FREE				2:11.22	TAIHEI SAKA	JPN	2009
200 M. FLY				1:52.87	NICOLAS GRANGER	FRA	2012	2:12.10	WIESLAW MUSIAL	CAN	2003
2:02.97	WILLIAM SPECHT	USA	1998	1:54.73	KAI DITZEL	GER	2008	2:12.47	ROSS DAVIS	USA	2011
2:04.42	EIJI NOMURA	JPN	2012	1:55.88	FABIO CALMASINI	ITA	2013	2:12.87	EDWIN VAN NORDEN	NED	2008
2:05.72	TOSHIYUKI IBE	JPN	2010	1:55.91	MARK THOMPSON	AUS	2015	2:13.09	LEN GUSHE	CAN	2008
2:05.96	ISAMU TSUZUKI	JPN	2014	1:56.00	PAUL SMITH	USA	2007	2:13.30	KURT DICKSON	USA	2013
2:06.06	UWE VOLK	GER	2010	1:56.26	MARCUS MATTIOLI	BRA	2009	50 M. BRST			
2:06.48	DENNIS BAKER	USA	2005	1:56.62	KEITH SWITZER	USA	2009	28.87	RICO ROLLI	ITA	2010
2:06.68	DAVID WARREN	GBR	2014	1:56.93	MARCO COLOMBO	ITA	2008	28.88	TODD TORRES	USA	2013
2:07.03	MIKE SHAFFER	USA	2008	1:57.28	ALBERTO MONTINI	ITA	2013	29.11	NICOLAS GRANGER	FRA	2015
2:08.46	JAMES BELARDI	USA	1997	1:57.64	MARK REYNOLDS	GBR	2009	29.18	YOZO FUJII	JPN	2014
2:09.08	ALBERTO MONTINI	ITA	2008	400 M. FREE				29.83	CRAIG CRAWFORD	USA	2015
100 M. I.M.				4:03.10	FABIO CALMASINI	ITA	2015	29.85	CHRIS WEISSMAN	USA	2009
57.19	JEFF COMMINGS	USA	2014	4:03.81	NICOLAS GRANGER	FRA	2015	29.99	MICHAEL HODGSON	GBR	2015
57.39	ALBERTO MONTINI	ITA	2010	4:05.90	KAI DITZEL	GER	2008	29.99	F.SPINADIN	ITA	2015
57.71	MICHAEL ROSS	USA	2008	4:08.87	MARK THOMPSON	AUS	2015	30.02	MAKOTO ONODERA	JPN	2014
58.26	PETR GREGOR	CZE	2015	4:08.93	MARCUS MATTIOLI	BRA	2005	30.06	WALLY DICKS	USA	2009
58.30	ISAMU TSUZUKI	JPN	2013	4:09.19	KEITH SWITZER	USA	2009	100 M. BRST			
58.94	ROQUE SANTOS	USA	2008	4:11.02	MARCO COLOMBO	ITA	2007	1:03.23	NICOLAS GRANGER	FRA	2015
58.98	ERIK HOCHSTEIN	USA	2008	4:11.35	GREG STREPPPEL	CAN	2015	1:04.39	TODD TORRES	USA	2013
59.07	BRIAN JACOBSON	USA	2013	4:12.75	ALBERTO MONTINI	ITA	2014	1:04.62	RICO ROLLI	ITA	2011
59.25	KAZUHIKO YAMAKAWA	JPN	2010	4:13.42	LUDEK BURIAN	CZE	2009	1:04.69	CHRIS WEISSMAN	USA	2009
59.25	SHUJI AZUMA	JPN	2009	800 M. FREE				1:04.76	HAJIME MORIMOTO	JPN	2014



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1:04.80	YOZO FUJII	JPN 2013	400 M. I.M.	16:33.02	JIM MCCONICA	USA 2000		
1:05.09	MAKOTO ONODERA	JPN 2013	4:31.36	NICOLAS GRANGER	FRA 2012	16:52.78	ANDREW BRAY	USA 2011
1:05.48	DAVID GUTHRIE	USA 2009	4:39.19	ALBERTO MONTINI	ITA 2013	16:57.60	MICHAEL KLEIBER	GER 2013
1:05.74	GLENN MILLS	USA 2008	4:42.15	TAIHEI SAKA	JPN 2009	17:03.45	MARCUS MATTIOLI	BRA 2011
1:05.80	ALBERTO MONTINI	ITA 2013	4:43.36	GREG STREPPPEL	CAN 2015	17:14.75	MARK DRENNEN	USA 2007
200 M.	BRST		4:43.58	FABIO CALMASINI	ITA 2013	17:17.74	MIKE SHAFFER	USA 2015
2:18.91	NICOLAS GRANGER	FRA 2015	4:43.64	JEROME FRENTSOS	USA 2010	17:21.77	ARNALDO PEREZ	PUR 2015
2:20.41	ALBERTO MONTINI	ITA 2013	4:44.28	MARCUS MATTIOLI	BRA 2009	17:28.53	J.CARLOS FREITAS	POR 2015
2:21.92	HAJIME MORIMOTO	JPN 2013	4:46.48	PATRICK BRUNDAGE	USA 2013	17:32.20	JIM CLEMMONS	USA 2001
2:22.68	GLENN MILLS	USA 2008	4:46.48	MARCO TENDERINI	ITA 2012	17:32.74	DENNIS BAKER	USA 2012
2:23.74	DAVID GUTHRIE	USA 2009	4:46.68	CHRIS STEVENSON	USA 2009	50 M.	BACK	
2:25.62	RICO ROLLI	ITA 2011				26.69	FRITZ BEDFORD	USA 2015
2:25.80	SHUJI AZUMA	JPN 2012	*****			27.66	CRAIG NORREY	SUI 2011
2:26.24	MAKOTO ONODERA	JPN 2012		M E N 50-54		27.71	STEVE WOOD	USA 2011
2:27.64	ABRAHAM SOLANO	USA 2015	*****			27.73	HIROYOSHI MAETOGE	JPN 2015
2:27.65	ANDRE WRASSE	GER 2015	50 M.	FREE		28.37	JAMIE FOWLER	USA 2009
50 M.	FLY		23.38	ROWDY GAINES	USA 2009	28.40	MARCO COLOMBO	ITA 2010
25.58	JAN KARLSSON	SWE 2013	23.96	BRENT BARNES	JPN 2010	28.67	HIROSHI SHIBUYA	JPN 2010
25.74	FRITZ BEDFORD	USA 2009	24.26	PAUL TREVISAN	USA 2003	28.69	GIANNI BERTOLI	ITA 2010
25.78	CHRIS STEVENSON	USA 2009	24.64	FRITZ BEDFORD	USA 2015	28.75	CLAY BRITT	USA 2011
25.80	MATTHEW BIONDI	USA 2012	24.74	DMITRI KHODKO	SWE 2009	28.85	MARIO LLORET	ESP 2009
25.82	PAUL SMITH	USA 2007	24.74	V.GALAVTINE	FRA 2003	100 M.	BACK	
25.84	PAUL CARTER	USA 2003	24.77	PAUL SMITH	USA 2009	58.47	FRITZ BEDFORD	USA 2015
25.86	VLADIMIR PREDKIN	RUS 2014	24.80	RICO ROLLI	ITA 2015	59.79	HIROYOSHI MAETOGE	JPN 2015
25.96	STEVE HILTABIDDLE	USA 2011	24.80	DAN THOMPSON	CAN 2009	59.92	STEVE WOOD	USA 2011
25.99	BARRY SARETSKY	CAN 2015	24.86	PHILIPPE MORELLE	BEL 2006	1:00.38	JAMIE FOWLER	USA 2009
25.99	ANDERS RASMUSSEN	USA 2008	100 M.	FREE		1:01.47	EDWIN VAN NORDEN	NED 2014
100 M.	FLY		51.61	ROWDY GAINES	USA 2009	1:01.48	TOM WOLF	USA 2004
56.66	NICOLAS GRANGER	FRA 2014	53.87	BOB BUGG	USA 2009	1:01.86	WIESLAW MUSIAL	CAN 2009
56.78	DEKE BOTSFORD	CAN 2012	54.29	BRENT BARNES	JPN 2009	1:01.89	MARIO LLORET	ESP 2009
57.17	PAUL CARTER	USA 2003	54.40	RICHARD KAMMERER	USA 2009	1:01.90	CRAIG NORREY	SUI 2011
57.37	CHRIS STEVENSON	USA 2010	54.55	FRITZ BEDFORD	USA 2014	1:01.92	GIANNI BERTOLI	ITA 2009
58.02	PAUL SMITH	USA 2007	54.61	PAUL TREVISAN	USA 2003	200 M.	BACK	
58.03	ANDERS RASMUSSEN	USA 2009	54.65	PIERRE BLANC	FRA 2015	2:11.84	JAMIE FOWLER	USA 2009
58.10	WILLIAM SPECHT	USA 2004	54.73	DMITRI KHODKO	SWE 2009	2:13.05	WIESLAW MUSIAL	CAN 2009
58.29	MARCEL EKKELBOOM	GER 2009	54.74	MICHAEL GREEN	USA 2014	2:14.03	TOM WOLF	USA 2004
58.30	HIROSHI MIURA	JPN 2012	54.92	LAURENT NEUVILLE	FRA 2015	2:14.34	LEN GUSHE	CAN 2013
58.35	DENNIS BAKER	USA 2006	200 M.	FREE		2:15.10	SCOTT SHAKE	USA 2008
200 M.	FLY		1:54.61	ROWDY GAINES	USA 2011	2:15.14	JEROME FRENTSOS	USA 2015
2:06.40	DENNIS BAKER	USA 2006	1:56.75	BOB BUGG	USA 2009	2:15.53	HIROYOSHI MAETOGE	JPN 2015
2:09.06	WILLIAM SPECHT	USA 2003	1:57.37	DAVID SIMS	USA 2014	2:15.75	RAFAEL SEGARRA	PUR 2014
2:09.57	NICOLAS GRANGER	FRA 2015	1:58.37	JIM MCCONICA	USA 2000	2:15.90	FRITZ BEDFORD	USA 2013
2:09.58	MARCUS MATTIOLI	BRA 2006	2:00.31	PAUL SMITH	USA 2009	2:15.97	ERWIN KRATZ	USA 2015
2:09.65	CHRIS STEVENSON	USA 2009	2:00.87	MARCUS MATTIOLI	BRA 2014	50 M.	BRST	
2:09.92	ALBERTO MONTINI	ITA 2013	2:01.56	EDGARS OZOLINSH	LAT 2012	29.84	DAVID GUTHRIE	USA 2013
2:09.98	TOSHIYUKI IBE	JPN 2015	2:01.77	PETER MCKINNON	CAN 2015	30.59	THOMAS BOHM	AUT 2015
2:10.12	MIKE SHAFFER	USA 2012	2:02.29	TERRY DEBIASE	USA 2015	30.69	STUART MOFFATT	AUS 2013
2:10.72	DEKE BOTSFORD	CAN 2012	2:02.44	ROBERTO BRUNORI	ITA 2014	30.76	JENS LUTSCHIN	GER 2014
2:10.95	TAIHEI SAKA	JPN 2011	400 M.	FREE		30.91	GLEN CHRISTIANSEN	SWE 2009
100 M.	I.M.		4:07.99	JIM MCCONICA	USA 2000	31.06	RONNY OLTNER	SWE 2007
57.68	NICOLAS GRANGER	FRA 2012	4:12.12	BOB BUGG	USA 2009	31.08	BENN DOYLE	USA 2008
59.71	VLADIMIR PREDKIN	RUS 2014	4:13.01	MARCUS MATTIOLI	BRA 2011	31.10	GARY PATTERSON	USA 2009
1:00.13	EDWIN VAN NORDEN	NED 2009	4:17.25	ANDREW BRAY	USA 2011	31.14	BERNHARD AUNER	AUT 2015
1:00.14	ANDERS RASMUSSEN	USA 2009	4:18.96	MARK DRENNEN	USA 2006	31.14	ALEXANDR DERYABIN	RUS 2015
1:00.21	ALBERTO MONTINI	ITA 2013	4:19.98	RICARDO VALDIVIA	USA 2015	31.14	ANDREA FLORIT	ITA 2010
1:00.29	MARCO COLOMBO	ITA 2006	4:20.48	MICHAEL PRUFERT	GER 2014	100 M.	BRST	
1:00.44	JEROME FRENTSOS	USA 2010	4:20.59	MIKE SHAFFER	USA 2015	1:04.54	DAVID GUTHRIE	USA 2013
1:00.46	KAZUHIKO YAMAKAWA	JPN 2014	4:21.00	MICHAEL KLEIBER	GER 2013	1:08.27	BENN DOYLE	USA 2008
1:00.46	ALEX BAUMANN	CAN 2009	4:21.05	LEN GUSHE	CAN 2013	1:08.56	GLEN CHRISTIANSEN	SWE 2009
1:00.48	DEKE BOTSFORD	CAN 2014	800 M.	FREE		1:08.93	TAIHEI SAKA	JPN 2015
200 M.	I.M.		8:44.51	JIM MCCONICA	USA 2000	1:08.95	GARY PATTERSON	USA 2009
2:04.64	NICOLAS GRANGER	FRA 2012	8:49.96	ANDREW BRAY	USA 2011	1:08.97	RONNY OLTNER	SWE 2007
2:09.71	JEROME FRENTSOS	USA 2010	8:53.48	MARK DRENNEN	USA 2006	1:09.26	S.TAKAHASHI	JPN 2015
2:10.49	TAIHEI SAKA	JPN 2009	8:57.67	MICHAEL KLEIBER	GER 2013	1:09.27	NEWTON KAMINSKI	BRA 2015
2:11.28	ANDERS RASMUSSEN	USA 2009	8:58.29	MIKE SHAFFER	USA 2015	1:09.38	TADASHI FUJIMOTO	JPN 2014
2:11.84	ALBERTO MONTINI	ITA 2013	9:03.08	ARNALDO PEREZ	PUR 2015	1:09.40	BERNHARD AUNER	AUT 2015
2:11.92	EDWIN VAN NORDEN	NED 2009	9:04.68	FRANCIS CHRISTIAN	AUS 2008	1:09.40	G.HOFFMANN	USA 2009
2:12.01	ALEX BAUMANN	CAN 2009	9:08.38	MICHAEL PRUFERT	GER 2014	200 M.	BRST	
2:13.42	GLENN MILLS	USA 2008	9:08.43	LEN GUSHE	CAN 2013	2:21.65	DAVID GUTHRIE	USA 2013
2:13.67	FABIO CALMASINI	ITA 2013	9:10.06	K.DELLBRUGGE	GER 2012	2:31.22	TAIHEI SAKA	JPN 2015
2:14.17	CHRIS WEISSMAN	USA 2009	1500 M.	FREE		2:32.04	C.COENEY	USA 2013



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2:32.06 LINCOLN DJANG	USA 2009	4:55.39 DENNIS BAKER	USA 2012	18:14.38 WILLIAM PENN	USA 2009
2:32.78 BENN DOYLE	USA 2008	4:55.50 LINCOLN DJANG	USA 2009	50 M. BACK	
2:33.38 G.HOFFMANN	USA 2009			27.62 STEVE WOOD	USA 2015
2:33.71 LORENZO MARUGO	ITA 2004	*****		29.01 TOM BARTON	USA 2012
2:33.97 DANIEL PHILLIPS	USA 2014	M E N 55-59		29.02 HIROSHI SHIBUYA	JPN 2015
2:34.43 EDWIN VAN NORDEN	NED 2015	*****		29.07 PHILIPP DJANG	USA 2009
2:34.71 ROBERT STRAND	USA 1996	50 M. FREE		29.09 JAMIE FOWLER	USA 2014
50 M. FLY		24.51 BRENT BARNES	JPN 2015	29.33 MARCO COLOMBO	ITA 2015
25.49 DAN THOMPSON	CAN 2009	24.66 STEVE WOOD	USA 2015	29.41 ALISTAIR COCKBURN	USA 2008
26.04 FRITZ BEDFORD	USA 2014	24.70 PAUL TREVISAN	USA 2006	29.62 MARIO LLORET	ESP 2012
26.12 PAUL CARTER	USA 2007	24.91 JACK GROSELLE	USA 2009	29.66 BRUCE KONE	USA 2015
26.20 PAUL SMITH	USA 2009	25.00 RICH ABRAHAMS	USA 2001	29.88 JONATHAN KLEIN	USA 2014
26.45 WILLIAM SPECHT	USA 2009	25.25 DAN THOMPSON	CAN 2013	100 M. BACK	
26.78 FRITZ HOMANS	USA 2008	25.38 MIKE TENNANT	USA 2009	1:00.84 STEVE WOOD	USA 2015
26.79 GREG SHAW	USA 2003	25.42 BARRY ROTH	USA 2009	1:02.26 MARCO COLOMBO	ITA 2015
26.83 DAVID SIMS	USA 2013	25.43 BRUCE KONE	USA 2014	1:02.38 JAMIE FOWLER	USA 2014
26.94 ISAMU SHIBAZAKI	JPN 2010	25.44 AMBROSE GAINES	USA 2014	1:03.29 TOM BARTON	USA 2011
26.96 MARIO LLORET	ESP 2009	100 M. FREE		1:03.75 PHILIPP DJANG	USA 2009
100 M. FLY		54.50 JACK GROSELLE	USA 2009	1:04.36 HIROSHI SHIBUYA	JPN 2015
57.29 PAUL CARTER	USA 2007	55.12 PAUL TREVISAN	USA 2006	1:04.89 TIM BIRNIE	USA 2000
58.30 DAVID SIMS	USA 2012	56.05 STEVE WOOD	USA 2015	1:04.91 JONATHAN KLEIN	USA 2012
58.76 MARIO LLORET	ESP 2009	56.18 BRENT BARNES	JPN 2014	1:04.97 MARIO LLORET	ESP 2012
59.25 WILLIAM SPECHT	USA 2009	56.29 CHARLES LEMAISTRE	USA 2009	1:05.53 JIM ADAMS	IRL 2007
59.39 DAN THOMPSON	CAN 2009	56.51 RICH ABRAHAMS	USA 2001	200 M. BACK	
59.71 FRITZ BEDFORD	USA 2014	56.62 EDGARS OZOLINS	LAT 2015	2:15.79 JAMIE FOWLER	USA 2014
59.91 HUGO BREGMAN	NED 2008	56.74 STEVE BOROWSKI	USA 2002	2:17.04 TOM BARTON	USA 2011
59.92 TAIHEI SAKA	JPN 2015	56.75 LARRY FORSYTH	AUS 2015	2:19.42 PHILIPP DJANG	USA 2009
1:00.08 JORGE FARIA	POR 2014	57.04 MARCO COLOMBO	ITA 2015	2:19.63 STEVE WOOD	USA 2015
1:00.08 JOHN MCCALL	USA 2003	200 M. FREE		2:20.59 JAMES MCCONICA	USA 2005
200 M. FLY		1:59.08 MICHAEL MANN	USA 2009	2:21.80 TOD SPIEKER	USA 2003
2:11.15 MARCUS MATTIOLI	BRA 2014	2:03.40 S.D'ALESSANDRO	ITA 1995	2:22.01 WIESLAW MUSIAL	CAN 2013
2:11.70 DAVID SIMS	USA 2012	2:03.56 JACK GROSELLE	USA 2009	2:22.25 JIM ADAMS	NED 2006
2:12.26 MIKE SHAFFER	USA 2015	2:03.64 JAMES MCCONICA	USA 2005	2:23.81 MARCO COLOMBO	ITA 2015
2:12.41 DENNIS BAKER	USA 2011	2:04.97 JAMES RITTER	USA 2013	2:24.72 TIM BIRNIE	USA 2000
2:12.54 WILLIAM SPECHT	USA 2009	2:05.07 MARTEN DE GROOT	NED 2014	50 M. BRST	
2:12.90 HUGO BREGMAN	NED 2010	2:05.91 MARCO COLOMBO	ITA 2015	30.41 DAVID GUTHRIE	USA 2015
2:13.06 MAURO CAPPELLETTI	ITA 2015	2:06.14 EDGARS OZOLINS	LAT 2015	30.50 WALTER KUSCH	GER 2009
2:18.02 SCOTT LAUTMAN	USA 2004	2:06.20 TOD SPIEKER	USA 2003	31.65 OLIVIER BORIOS	FRA 2014
2:18.56 LEN GUSHE	CAN 2013	2:06.24 DAN STEPHENSON	USA 2012	31.82 TIMOTHY SHEAD	USA 2009
2:18.84 A.TIBERTI	ITA 2013	400 M. FREE		31.84 PATRICIO GOMEZ	ESP 2013
100 M. I.M.		4:16.03 MICHAEL MANN	USA 2009	31.96 BRUCE KONE	USA 2015
1:00.96 DAVID SIMS	USA 2012	4:24.92 JIM MCCONICA	USA 2006	32.06 G.HOFFMANN	USA 2011
1:01.21 JEROME FRENTSOS	USA 2015	4:28.73 TOD SPIEKER	USA 2003	32.17 STUART ELLICOTT	AUS 2009
1:01.21 EDWIN VAN NORDEN	NED 2014	4:28.97 J.CHATARD	FRA 2006	32.18 ROBERT STRAND	USA 2001
1:01.29 JAMIE FOWLER	USA 2009	4:30.73 MARTEN DE GROOT	NED 2014	32.38 ANDY DYER	USA 2013
1:01.54 PAUL SMITH	USA 2009	4:31.62 PAUL BLACKBEARD	AUS 2014	100 M. BRST	
1:01.58 FRITZ BEDFORD	USA 2015	4:31.95 STEVEN PRESCOTT	NZL 2009	1:07.25 DAVID GUTHRIE	USA 2015
1:01.68 ANDERS RASMUSSEN	USA 2013	4:32.83 TIM BIRNIE	USA 2000	1:08.13 WALTER KUSCH	GER 2009
1:02.25 DAVID GUTHRIE	USA 2013	4:32.85 LARRY WOOD	USA 2009	1:09.93 TIMOTHY SHEAD	USA 2009
1:02.27 MARIO LLORET	ESP 2009	4:33.06 DAN STEPHENSON	USA 2012	1:10.17 ANDREY KOMISSAROV	USA 2015
1:02.51 KEN SHILLING	USA 2008	800 M. FREE		1:10.56 G.HOFFMANN	USA 2011
200 M. I.M.		8:51.34 MICHAEL MANN	USA 2009	1:11.26 OLIVIER BORIOS	FRA 2014
2:12.85 JEROME FRENTSOS	USA 2015	9:03.00 JIM MCCONICA	USA 2006	1:11.39 SERGEY MOLODIN	RUS 2015
2:13.40 JAMIE FOWLER	USA 2009	9:07.40 G.SCARAMEL	ITA 2008	1:11.53 ROBERT STRAND	USA 2001
2:13.50 DAVID SIMS	USA 2014	9:13.15 TOD SPIEKER	USA 2003	1:11.67 TIMUR PODMARYOV	RUS 2012
2:14.53 KEN SHILLING	USA 2008	9:23.27 MARTEN DE GROOT	NED 2014	1:11.92 STEVE WOOD	USA 2015
2:15.16 TAIHEI SAKA	JPN 2014	9:25.93 JIM CLEMMONS	USA 2008	200 M. BRST	
2:16.09 DAVE TOWN	CAN 2012	9:26.04 R SCOTT TOWNSEND	USA 2009	2:27.00 DAVID GUTHRIE	USA 2015
2:16.73 MARCUS MATTIOLI	BRA 2011	9:26.87 GLENN CARLSEN	CAN 2012	2:33.79 TIMOTHY SHEAD	USA 2009
2:17.09 EDWIN VAN NORDEN	NED 2015	9:27.18 SERGE GUERIN	FRA 2011	2:35.73 G.HOFFMANN	USA 2012
2:17.48 PAUL CARTER	USA 2007	9:29.45 MARC JOUANDON	FRA 2013	2:36.10 TIMUR PODMARYOV	RUS 2012
2:17.78 RAFAEL SEGARRA	PUR 2014	1500 M. FREE		2:36.49 ANDREY KOMISSAROV	USA 2015
400 M. I.M.		17:14.15 JAMES MCCONICA	USA 2005	2:36.90 RALPH SCHALLON	SUI 2009
4:45.15 JEROME FRENTSOS	USA 2015	17:35.21 TOD SPIEKER	USA 2003	2:37.93 PATRICK ALLENDER	USA 2013
4:48.02 MARCUS MATTIOLI	BRA 2011	17:56.15 J.CHATARD	FRA 2006	2:38.76 ROBERT STRAND	USA 2001
4:49.34 TAIHEI SAKA	JPN 2014	17:58.95 STEVEN PRESCOTT	NZL 2009	2:39.45 BENN DOYLE	USA 2013
4:49.49 DAVID SIMS	USA 2014	18:02.40 JIM CLEMMONS	USA 2005	2:40.52 ROBERT WEYHENKE	NED 2007
4:51.57 JAMIE FOWLER	USA 2009	18:04.07 MARC JOUANDON	FRA 2012	50 M. FLY	
4:51.98 RICARDO VALDIVIA	USA 2015	18:10.34 GLENN CARLSEN	CAN 2012	26.45 DAN THOMPSON	CAN 2013
4:53.73 RAFAEL SEGARRA	PUR 2014	18:12.52 MARTEN DE GROOT	NED 2014	26.67 STEVE WOOD	USA 2015
4:54.69 LEN GUSHE	CAN 2013	18:13.36 LARRY WOOD	USA 2009	26.80 BRUCE KONE	USA 2015



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2015)

26.93	GREG SHAW	USA	2009	25.87	MARC MIDDLETON	USA	2012	31.50	JOSE LORO	BRA	2009
27.16	PAUL CARTER	USA	2014	26.18	BRUCE WILLIAMS	USA	2014	100 M.	BACK		
27.21	STEVE BOROWSKI	USA	2002	26.18	RAGNAR JENSEN	NOR	2008	1:05.62	PHILIPP DJANG	USA	2014
27.35	HUGO BREGMAN	NED	2013	26.25	DAVID CHANEY	GBR	2013	1:06.27	TIMOTHY SHEAD	USA	2012
27.58	KEVIN MCCORMACK	USA	2008	26.31	JEFF FARRELL	USA	2000	1:06.85	BRUCE WILLIAMS	USA	2014
27.74	RICH ABRAHAMS	USA	2001	26.33	MICHAEL BLATT	USA	2015	1:06.99	WES EDWARDS	USA	2013
27.76	DONALD GRAHAM	USA	2009	100 M.	FREE			1:07.31	HUGH WILDER	USA	2009
100 M.	FLY			55.87	JACK GROSELLE	USA	2014	1:08.49	FRED FERROGGIARO	USA	2013
59.80	DAN THOMPSON	CAN	2013	56.63	RICH ABRAHAMS	USA	2008	1:08.85	RICHARD BURNS	USA	2003
1:00.35	GREG SHAW	USA	2006	57.61	PAUL TREVISAN	USA	2012	1:09.10	DONALD GRAHAM	USA	2015
1:00.58	HUGO BREGMAN	NED	2013	57.77	BRUCE WILLIAMS	USA	2014	1:09.20	PETER O'BRIEN	CAN	2009
1:00.86	STEVE WOOD	USA	2015	58.43	MICHAEL BLATT	USA	2015	1:09.20	ROBERT SMITH	USA	2004
1:00.98	PAUL CARTER	USA	2014	58.87	BRYAN BATEMAN	USA	2008	200 M.	BACK		
1:02.13	STEVEN WALL	GBR	2009	58.97	LARRY KRAUSER	USA	2013	2:26.30	PHILIPP DJANG	USA	2014
1:02.64	JIM SAUER	USA	2012	59.47	LEONARD BIELICZ	SWE	2011	2:27.99	TIMOTHY SHEAD	USA	2012
1:02.74	KEVIN MCCORMACK	USA	2009	59.74	TERRY DOWNES	RSA	2009	2:28.90	WES EDWARDS	USA	2013
1:02.74	STEVE BOROWSKI	USA	2002	59.75	AKIRA IIDA	JPN	2015	2:29.60	JIM MC CONICA	USA	2010
1:02.81	BRUCE KONE	USA	2015	200 M.	FREE			2:30.96	JOHN CALVERT	USA	2005
200 M.	FLY			2:01.65	RICK COLELLA	USA	2015	2:31.42	ROBERT WEYHENKE	NED	2013
2:15.97	HUGO BREGMAN	NED	2013	2:05.07	JACK GROSELLE	USA	2014	2:32.37	FRED FERROGGIARO	USA	2013
2:19.72	JOHN CRAIG	USA	2009	2:07.96	LARRY KRAUSER	USA	2013	2:33.06	L.ETTORE	ITA	2014
2:21.90	GREG SHAW	USA	2007	2:09.50	JIM MC CONICA	USA	2010	2:34.17	RICHARD BURNS	USA	2003
2:22.13	JAMES MCCONICA	USA	2005	2:10.04	FRED SCHLICHER	USA	2008	2:34.65	FRANCK MAGE	FRA	2015
2:22.73	FRED SCHLICHER	USA	2003	2:11.78	DUNCAN MCCREADIE	GBR	2006	50 M.	BRST		
2:23.09	JIM SAUER	USA	2013	2:12.18	JOHN CALVERT	USA	2005	31.51	RICK COLELLA	USA	2015
2:24.30	MIKE LAMONICA	USA	2015	2:12.59	JAMES THORNTON	USA	2012	32.16	STUART ELLICOTT	AUS	2012
2:25.34	SEIICHI YARITA	JPN	2012	2:12.62	DIEGO ROJAS	ESP	2013	32.31	ROBERT STRAND	USA	2009
2:25.95	SCOTT LAUTMAN	USA	2008	2:13.43	MICHAEL BLATT	USA	2015	32.45	TIMOTHY SHEAD	USA	2012
2:26.26	DAVID VANDAM	USA	2010	400 M.	FREE			32.74	WALTER KUSCH	GER	2015
100 M.	I.M.			4:35.15	JACK GROSELLE	USA	2014	33.25	RANDY PARKER	USA	2014
1:01.76	STEVE WOOD	USA	2015	4:35.39	JIM MC CONICA	USA	2012	33.50	C.STARZEC	FRA	2012
1:03.13	MARCO COLOMBO	ITA	2015	4:39.58	ANDY KNOWLES	BAH	2015	33.64	YOSHIHIKO OSAKI	JPN	2000
1:03.14	JAMIE FOWLER	USA	2014	4:40.45	DUNCAN MCCREADIE	GBR	2006	33.67	STUART WATERBURY	USA	2014
1:03.48	TIMOTHY SHEAD	USA	2009	4:42.39	JIM CLEMMONS	USA	2010	33.71	PETER ANDERSEN	USA	2003
1:03.69	GREG SHAW	USA	2008	4:43.69	JOHN CALVERT	USA	2005	100 M.	BRST		
1:04.31	BRUCE KONE	USA	2014	4:45.97	LARRY KRAUSER	USA	2013	1:09.92	RICK COLELLA	USA	2015
1:04.34	ROBERT WEYHENKE	NED	2007	4:46.02	AKIRA IIDA	JPN	2014	1:11.08	TIMOTHY SHEAD	USA	2012
1:04.85	ANDREY KOMISSAROV	USA	2015	4:46.14	J.CHATARD	FRA	2013	1:12.09	ROBERT STRAND	USA	2009
1:05.07	RASTISLAV PAVLIK	SVK	2015	4:47.16	JEAN LESTIDEAU	FRA	2007	1:12.38	JACK GROSELLE	USA	2014
1:05.29	PAUL CARTER	USA	2014	800 M.	FREE			1:13.55	TOSHIHARU FUJII	JPN	2010
200 M.	I.M.			9:28.32	JIM MC CONICA	USA	2012	1:13.87	WALTER KUSCH	GER	2015
2:16.44	MICHAEL MANN	USA	2009	9:43.24	JIM CLEMMONS	USA	2010	1:14.31	RANDY PARKER	USA	2014
2:18.69	JAMIE FOWLER	USA	2014	9:43.83	DUNCAN MCCREADIE	GBR	2005	1:14.62	STUART WATERBURY	USA	2014
2:20.58	ANDREY KOMISSAROV	USA	2015	9:49.73	LARRY KRAUSER	USA	2013	1:14.67	STUART ELLICOTT	AUS	2015
2:21.00	JIM SAUER	USA	2012	9:51.72	SANDY GALLETLY	GBR	2002	1:14.91	C.STARZEC	FRA	2012
2:21.05	GREG SHAW	USA	2006	9:53.30	GEORGE WENDT	USA	2009	200 M.	BRST		
2:23.49	HUGO BREGMAN	NED	2015	9:56.38	RICK WALKER	USA	2010	2:37.61	RICK COLELLA	USA	2011
2:23.49	ROBERT WEYHENKE	NED	2007	9:58.02	VITTORIO ERMIRIO	ITA	2005	2:37.87	TIMOTHY SHEAD	USA	2012
2:23.60	PHILIPP DJANG	USA	2009	9:58.99	JAMES MCCLEERY	USA	2006	2:40.76	ROBERT STRAND	USA	2009
2:24.59	JACK GROSELLE	USA	2012	10:00.66	J.CHATARD	FRA	2013	2:43.53	LORENZO MARUGO	ITA	2012
2:24.64	TIM SHEAD	RSA	2007	1500 M.	FREE			2:46.21	TOSHIHARU FUJII	JPN	2010
400 M.	I.M.			18:24.21	JIM MC CONICA	USA	2010	2:47.32	JIM CLEMMONS	USA	2010
4:51.97	MICHAEL MANN	USA	2009	18:28.64	JIM CLEMMONS	USA	2010	2:48.65	C.STARZEC	FRA	2012
5:00.54	JIM SAUER	USA	2012	18:50.59	JAMES MCCLEERY	USA	2007	2:48.67	ALLEN STARK	USA	2011
5:05.40	LORENZO MARUGO	ITA	2007	18:54.07	JACK GROSELLE	USA	2015	2:49.04	STUART WATERBURY	USA	2014
5:07.99	HUGO BREGMAN	NED	2013	18:54.83	DUNCAN MCCREADIE	GBR	2005	2:49.27	GRAHAM PEARSON	GBR	2012
5:08.15	JAMES MCCONICA	USA	2005	18:55.42	ALAN BELL	USA	2010	50 M.	FLY		
5:11.49	GREG SHAW	USA	2007	18:59.27	RICK WALKER	USA	2010	27.53	DONALD GRAHAM	USA	2014
5:13.29	R TOD SPIEKER	USA	2003	19:00.25	GEORGE WENDT	USA	2009	27.87	RICHARD ABRAHAMS	USA	2008
5:13.35	JIM CLEMMONS	USA	2008	19:01.56	JOEL KRIGER	BRA	2013	28.22	DOUG MARTIN	USA	2013
5:14.85	JACK GROSELLE	USA	2012	19:01.87	SANDY GALLETLY	GBR	2002	28.26	MARC MIDDLETON	USA	2013
5:19.76	MASSIMO GIARDINO	ITA	2015	50 M.	BACK			28.30	TAKEO HIRAMOTO	JPN	2010
*****				29.64	PHILIPP DJANG	USA	2014	28.52	LEONARD BIELICZ	SWE	2013
*****				30.42	MARTTI LAAJUS	ESP	2014	28.59	GREG SHAW	USA	2011
*****				30.50	TAKEO HIRAMOTO	JPN	2010	28.80	KENJI NAKAMATSU	JPN	2009
*****				30.80	HUGH WILDER	USA	2009	28.85	JACK GROSELLE	USA	2015
50 M.	FREE			31.03	MARC MIDDLETON	USA	2011	29.04	JIM DRAGON	USA	2007
24.90	RICH ABRAHAMS	USA	2006	31.04	DONALD GRAHAM	USA	2015	100 M.	FLY		
25.40	PAUL TREVISAN	USA	2012	31.25	BRUCE WILLIAMS	USA	2014	1:03.67	TAKEO HIRAMOTO	JPN	2010
25.58	DOUG MARTIN	USA	2013	31.31	ROBERT SMITH	USA	2004	1:03.76	RICH ABRAHAMS	USA	2006
25.59	JACK GROSELLE	USA	2014	31.40	ALAIN VANACKER	FRA	2014	1:04.05	JACK GROSELLE	USA	2014

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2:45.27 J.LESTIDEAU	FRA 2011	2:26.61 TOM LANDIS	USA 2013	2:55.04 RICHARD TODD	USA 2012
2:46.70 HUBIE KERNS	USA 2014	2:28.30 KEEFE LODWIG	USA 2015	2:55.73 ROGER FRANKS	USA 1998
2:47.38 HORST LEHMANN	GER 2012	2:28.41 CAV CAVANAUGH	USA 2005	50 M. BRST	
2:48.60 KOJI IWAMOTO	JPN 2009	2:28.80 AKIRA FUJIMAKI	JPN 2013	35.85 YOSHIHIKO OSAKI	JPN 2009
2:48.78 RICHARD KITCHELL	USA 2005	2:29.28 MASATO YOSHINO	JPN 2009	35.98 DIETER HOFEL	GER 2015
2:49.43 FRED BAIRD	USA 2013	2:29.64 KOJI IWAMOTO	JPN 2012	36.16 DAVID GILDEA	USA 2013
2:53.24 FRANK MCELROY	USA 2013	400 M. FREE		37.03 ANTONIO ORSELLI	BRA 2014
100 M. I.M.		5:05.47 DAVID QUIGGIN	USA 2014	37.26 JEFF FARRELL	USA 2007
1:09.90 HUBIE KERNS	USA 2014	5:09.75 GRAHAM JOHNSTON	USA 2002	37.39 OSAMU MAEDA	JPN 2014
1:10.26 ROBERT STRAND	USA 2012	5:12.57 TOM LANDIS	USA 2012	37.43 KENNETH FROST	USA 2015
1:10.42 RICHARD ABRAHAMS	USA 2010	5:15.88 BURWELL JONES	USA 2003	37.44 HANS REICHEL	GER 2007
1:10.56 TAKEO HIRAMOTO	JPN 2015	5:18.28 DAVID RADCLIFF	USA 2007	37.47 NICK TEMPLEMAN	CAN 2001
1:10.67 RICHARD BURNS	USA 2008	5:22.81 DUNCAN MC CREADIE	GBR 2015	37.65 PETER ANDERSEN	USA 2014
1:11.71 GEORGE SCHMIDT	USA 2015	5:23.49 RUDOLF SMERDA	CZE 2013	100 M. BRST	
1:12.04 KOJI IWAMOTO	JPN 2009	5:24.38 TADANOBU YAMADA	JPN 2013	1:21.41 DAVID GILDEA	USA 2013
1:12.46 STEVEN HECK	USA 2014	5:26.04 YASUSHI YAMAGUCHI	JPN 2009	1:22.45 DIETER HOFEL	GER 2015
1:12.51 JEFF FARRELL	USA 2002	5:26.63 SUETAKA SAWADA	JPN 2013	1:23.63 BARRY YOUNG	NZL 2009
1:12.54 HUGH WILDER	USA 2012	800 M. FREE		1:23.70 HANS REICHEL	GER 2007
200 M. I.M.		10:52.68 GRAHAM JOHNSTON	USA 2001	1:24.13 TONY GOODWIN	AUS 2007
2:34.15 HUBIE KERNS	USA 2014	11:01.38 DAVID RADCLIFF	USA 2007	1:24.13 TETSUO NAKAMARU	JPN 2005
2:34.64 ALEK SHESTAKOV	USA 2014	11:04.40 DAVID QUIGGIN	USA 2014	1:24.15 KENNETH FROST	USA 2015
2:38.42 RICHARD BURNS	USA 2009	11:16.51 YASUSHI YAMAGUCHI	JPN 2009	1:24.31 YOSHIKI AOKI	JPN 2008
2:38.96 ROBERT STRAND	USA 2012	11:17.52 TOM LANDIS	USA 2012	1:24.37 ANTONIO ORSELLI	BRA 2014
2:39.62 J.LESTIDEAU	FRA 2011	11:23.10 ERNIE LESKOVITZ	USA 2006	1:25.02 JACK KELSO	CAN 2009
2:40.07 LEE CHILDS	USA 2013	11:25.65 JOHN CRISP	AUS 2005	200 M. BRST	
2:40.19 JIM CLEMMONS	USA 2015	11:26.47 GEOFF STOKES	GBR 2009	3:01.22 BARRY YOUNG	NZL 2009
2:41.64 BERND HORSTMANN	GER 2008	11:27.55 TONY RALPHS	USA 2015	3:04.51 DAVID GILDEA	USA 2013
2:42.68 KOJI IWAMOTO	JPN 2009	11:28.02 JOACHIM HINTZE	GER 2012	3:05.27 HANS REICHEL	GER 2007
2:43.31 STEVEN HECK	USA 2014	1500 M. FREE		3:05.42 MICHAEL MOLONEY	AUS 2009
400 M. I.M.		20:54.56 GRAHAM JOHNSTON	USA 2001	3:06.16 TONY GOODWIN	AUS 2007
5:34.78 HUBIE KERNS	USA 2014	21:07.23 TOM LANDIS	USA 2012	3:07.68 YOSHIKI AOKI	JPN 2009
5:34.91 ALEK SHESTAKOV	USA 2014	21:07.65 DAVID QUIGGIN	USA 2015	3:07.85 MIKE FRESHLEY	USA 2011
5:37.62 J.LESTIDEAU	FRA 2011	21:17.81 JOHN CRISP	AUS 2005	3:09.86 PETER BELL	CAN 2005
5:42.13 JIM CLEMMONS	USA 2015	21:24.18 DAVID RADCLIFF	USA 2007	3:10.40 JACK KELSO	CAN 2009
5:50.91 RICHARD BURNS	USA 2009	22:02.11 YASUSHI YAMAGUCHI	JPN 2009	3:10.58 RICHARD TODD	USA 2012
5:53.40 GEORGE WENDT	USA 2012	22:05.01 TONY RALPHS	USA 2015	50 M. FLY	
5:54.86 FRANK MCELROY	USA 2013	22:05.60 RICHARD BURNS	USA 2013	29.52 RICHARD ABRAHAMS	USA 2015
5:56.19 LEE CHILDS	USA 2013	22:08.91 GEOFF STOKES	GBR 2009	30.96 JIM DRAGON	USA 2014
5:57.90 BOB COUCH	USA 2012	22:12.38 MICK MARSHALL	GBR 2009	31.55 BERT PETERSEN	USA 2008
5:58.93 MIKE FRESHLEY	USA 2006	50 M. BACK		31.56 JOSEF CLARET	ESP 2014
*****		33.51 RICHARD BURNS	USA 2013	31.71 HIROSHI MATSUMOTO	JPN 2009
M E N 70-74		33.90 YOSHI OYAKAWA	USA 2003	31.79 RUDOLF SMERDA	CZE 2013
*****		34.15 VINUS VAN BAALEN	CAN 2012	31.83 RICHARD BURNS	USA 2013
50 M. FREE		34.66 BERND HORSTMANN	GER 2012	31.96 DAVID QUIGGIN	USA 2014
26.88 RICHARD ABRAHAMS	USA 2015	35.39 KATSUTAKA IZUMI	JPN 2015	32.36 BERND SCHRODER	GER 2013
27.70 JEFF FARRELL	USA 2008	35.40 ROBERT SMITH	USA 2013	32.48 KEEFE LODWIG	USA 2015
28.23 VINUS VAN BAALEN	CAN 2012	35.44 S.SEKIKAWA	JPN 2003	100 M. FLY	
28.28 PETER BERGENGREN	SWE 2008	35.60 JOAQUIN CANALES	ESP 2011	1:07.56 RICHARD ABRAHAMS	USA 2015
28.31 IAN SMITH	CAN 2011	35.65 YOSHIKATSU SAWADA	JPN 2014	1:12.02 JOSEF CLARET	ESP 2014
28.55 RON JOHNSON	USA 2003	35.71 FRANS VAN ENST	NED 2011	1:12.64 ROBERT POILETMAN	USA 2014
28.59 KATSUTAKA IZUMI	JPN 2015	35.71 PAUL HUTINGER	USA 1994	1:13.68 KOJI IWAMOTO	JPN 2013
28.76 CAV CAVANAUGH	USA 2008	100 M. BACK		1:15.96 T.TAKESHITA	JPN 2012
28.78 DAVID QUIGGIN	USA 2014	1:12.09 RICHARD BURNS	USA 2013	1:16.18 DEREK PARR	GBR 2014
28.89 RUDOLF SMERDA	CZE 2013	1:14.31 BARRY YOUNG	NZL 2009	1:16.42 RICHARD BURNS	USA 2013
100 M. FREE		1:15.08 BERND HORSTMANN	GER 2012	1:16.42 RUDOLF SMERDA	CZE 2013
1:01.70 RICHARD ABRAHAMS	USA 2015	1:15.85 YOSHI OYAKAWA	USA 2003	1:16.91 BARRY YOUNG	NZL 2009
1:02.87 DAVID QUIGGIN	USA 2014	1:16.22 JOZSEF CSIKANY	HUN 2015	1:18.38 HUGH RODDIN	USA 2012
1:03.33 JEFF FARRELL	USA 2007	1:16.73 BURWELL JONES	USA 2003	200 M. FLY	
1:04.57 RICHARD BURNS	USA 2013	1:18.00 LUCIEN GAUCHE	FRA 2012	2:51.32 BARRY YOUNG	NZL 2009
1:04.58 CAV CAVANAUGH	USA 2005	1:18.48 GERHARD WIELAND	AUT 2015	2:55.66 ROBERT POILETMAN	USA 2013
1:04.66 PETER BERGENGREN	SWE 2008	1:18.69 YOSHIKATSU SAWADA	JPN 2014	2:58.89 KOJI IWAMOTO	JPN 2013
1:05.08 AKIRA FUJIMAKI	JPN 2013	1:18.73 S.SEKIKAWA	JPN 2003	3:01.11 YASUTAKA KOIKE	JPN 2013
1:05.11 HIROSHI MARUYAMA	JPN 2012	200 M. BACK		3:03.11 RUDOLF SMERDA	CZE 2014
1:05.41 RUDOLF SMERDA	CZE 2013	2:38.01 RICHARD BURNS	USA 2013	3:05.05 DEREK PARR	GBR 2015
1:05.41 IAN SMITH	CAN 2011	2:40.17 BARRY YOUNG	NZL 2009	3:05.81 WILLIAM LETCH	GBR 2010
200 M. FREE		2:48.91 JOZSEF CSIKANY	HUN 2013	3:06.07 TATSUKE MIYAZAKI	JPN 2010
2:22.60 DAVID QUIGGIN	USA 2014	2:51.24 BURWELL JONES	USA 2003	3:08.60 TAKASHI HAYASHI	JPN 2003
2:23.30 RICHARD ABRAHAMS	USA 2015	2:51.82 LUCIEN GAUCHE	FRA 2012	3:09.56 TADANOBU YAMADA	JPN 2013
2:24.31 GRAHAM JOHNSTON	USA 2001	2:53.22 S.SEKIKAWA	JPN 2003	100 M. I.M.	
2:25.01 RICHARD BURNS	USA 2013	2:53.59 YOSHI OYAKAWA	USA 2003	1:13.09 RICHARD ABRAHAMS	USA 2015
		2:54.36 MARTY MENNEN	USA 2007	1:14.40 RICHARD BURNS	USA 2013



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2015)

1:14.73	JACK KELSO	CAN	2009	5:40.14	GRAHAM JOHNSTON	USA	2006	40.07	MANUEL SANGUILY	USA	2008
1:15.54	BARRY YOUNG	NZL	2009	5:45.47	HIROSHI YOSHIMURA	JPN	2004	40.17	ROBERT PFERSDORFF	GER	1999
1:15.60	KOJI IWAMOTO	JPN	2013	5:45.85	JOAQUIN CANALES	ESP	2015	100 M.	BRST		
1:15.92	RONALD JOHNSON	USA	2001	5:50.39	BURWELL JONES	USA	2008	1:26.76	HANS REICHELT	GER	2011
1:16.05	JEFF FARRELL	USA	2007	5:50.91	JOHN CRISP	AUS	2010	1:26.84	TONY GOODWIN	AUS	2012
1:17.19	DAVE COSTILL	USA	2008	5:51.31	GEOFF STOKES	GBR	2014	1:27.14	MASARU SHINKAI	JPN	2015
1:17.22	BURWELL JONES	USA	2003	5:53.05	WERNER SCHNABEL	GER	2012	1:27.76	TETSUO NAKAMARU	JPN	2010
1:17.58	DAVID GILDEA	USA	2013	800 M.	FREE			1:28.40	BELA FABIAN	HUN	2013
200 M.	I.M.			10:59.10	DAVID RADCLIFF	USA	2009	1:28.61	ROBERT PFERSDORFF	GER	1999
2:42.44	BARRY YOUNG	NZL	2009	11:07.83	GERHARD HOLE	GER	2012	1:28.72	SHUNSAKU TAKAHIRA	JPN	2007
2:44.81	RICHARD BURNS	USA	2013	11:38.56	BURWELL JONES	USA	2008	1:29.31	YOSHIKI AOKI	JPN	2014
2:49.43	JACK KELSO	CAN	2009	11:47.67	YASUSHI YAMAGUCHI	JPN	2014	1:29.66	JACK KELSO	CAN	2014
2:51.73	BURWELL JONES	USA	2003	12:00.94	GRAHAM JOHNSTON	USA	2006	1:30.02	TSUTOMU KAJIHARA	JPN	2008
2:52.63	KOJI IWAMOTO	JPN	2012	12:02.87	HIROSHI YOSHIMURA	JPN	2004	200 M.	BRST		
2:54.26	MIKE FRESHLEY	USA	2011	12:11.86	WERNER SCHNABEL	GER	2012	3:09.09	TONY GOODWIN	AUS	2012
2:55.18	TOM LANDIS	USA	2013	12:13.28	FRANK PIEMME	USA	2000	3:12.80	MASARU SHINKAI	JPN	2015
2:55.51	RON JOHNSON	USA	2002	12:18.32	JOAQUIN CANALES	ESP	2015	3:15.57	HANS REICHELT	GER	2011
2:55.58	GRAHAM JOHNSTON	USA	2002	12:24.91	GEOFF STOKES	GBR	2014	3:19.96	YOSHIKI AOKI	JPN	2014
2:56.43	RUDOLF SMERDA	CZE	2015	1500 M.	FREE			3:20.93	TSUTOMU KAJIHARA	JPN	2008
400 M.	I.M.			20:39.50	DAVID RADCLIFF	USA	2009	3:21.50	KARL HAUTER	GER	2000
5:48.67	BARRY YOUNG	NZL	2009	22:27.75	GRAHAM JOHNSTON	USA	2006	3:24.84	ROBERT PFERSDORFF	GER	1999
6:17.67	TOM LANDIS	USA	2013	22:28.06	BURWELL JONES	USA	2008	3:25.59	CHRISTIAN THIESS	AUS	2013
6:20.98	RUDOLF SMERDA	CZE	2014	22:52.00	HIROSHI YOSHIMURA	JPN	2003	3:26.24	MORIAKI SUGIURA	JPN	2014
6:21.46	BURWELL JONES	USA	2003	23:18.51	JOAQUIN CANALES	ESP	2015	3:26.71	SHUNSAKU TAKAHIRA	JPN	2008
6:21.47	JACK KELSO	CAN	2009	23:22.66	TASABURO HOSOKAWA	JPN	2010	50 M.	FLY		
6:22.65	MASAO KIJIMA	JPN	2011	23:32.47	FRANK WILLIAMS	USA	2015	32.93	HIROSHI MATSUMOTO	JPN	2012
6:23.43	GRAHAM JOHNSTON	USA	2002	23:35.18	MICK MARSHALL	GBR	2014	33.18	Y.FUNAHASHI	JPN	2015
6:23.60	KOJI IWAMOTO	JPN	2012	23:50.64	GERHARD HOLE	GER	2012	33.27	ARAM BOGHOSSIAN	BRA	2004
6:25.28	IKURO SHIMONO	JPN	2009	23:52.16	H.TAKAHASHI	JPN	2012	34.00	TSUTOMU EBIHARA	JPN	2015
6:29.34	RICHARD TODD	USA	2012	50 M.	BACK			34.53	JEAN LE DALL	FRA	2008
				35.51	YOSHI OYAKAWA	USA	2008	34.57	HELMUT RICHTER	GER	2014
*****				35.93	BURWELL JONES	USA	2009	34.83	FRANK PIEMME	USA	2000
M E N 75-79				36.58	S.SEKIKAWA	JPN	2008	35.02	TAISUKE MIYAZAKI	JPN	2014
*****				36.68	CLARKE MITCHELL	USA	2007	35.12	JOAQUIN CANALES	ESP	2015
50 M.	FREE			36.94	JOAQUIN CANALES	ESP	2015	35.20	CHITOSHI KONISHI	JPN	2015
30.15	DAVID RADCLIFF	USA	2009	37.47	KEIJIRO NAKAMURA	JPN	1998	100 M.	FLY		
30.77	DAVID PAINTER	USA	2015	37.79	MIKLOS KOVATS	HUN	2015	1:21.12	TAISUKE MIYAZAKI	JPN	2014
31.06	FRANK PIEMME	USA	2001	37.80	JOHN SMITH	USA	2013	1:24.03	CHITOSHI KONISHI	JPN	2015
31.08	BURWELL JONES	USA	2009	37.84	TOM VERTH	CAN	2013	1:24.38	TAKASHI HAYASHI	JPN	2009
31.10	HIROSHI MATSUMOTO	JPN	2011	37.87	FRANS VAN ENST	NED	2015	1:25.07	GUNTER SCHOPKE	GER	2015
31.15	JACK KELSO	CAN	2014	100 M.	BACK			1:26.48	JOAQUIN CANALES	ESP	2015
31.18	TSUTOMU EBIHARA	JPN	2015	1:18.47	BURWELL JONES	USA	2009	1:26.67	GENICHI IGARASHI	JPN	2011
31.30	HELMUT RICHTER	GER	2015	1:20.16	YOSHI OYAKAWA	USA	2008	1:26.86	HIROSHI MATSUMOTO	JPN	2011
31.30	TOM VERTH	CAN	2014	1:20.66	S.SEKIKAWA	JPN	2009	1:27.25	GIULIO DIVANO	ITA	2009
31.31	SHINGO YAMAMOTO	JPN	2009	1:23.39	HELMUT RICHTER	GER	2014	1:28.95	WILLIAM LETCH	GBR	2015
100 M.	FREE			1:23.55	T.HASHIMOTO	JPN	2015	1:30.09	MASAYASU KAMIYA	JPN	2007
1:05.13	DAVID RADCLIFF	USA	2009	1:23.59	J.DE CANALES	ESP	2015	200 M.	FLY		
1:08.90	BURWELL JONES	USA	2009	1:23.73	TOM VERTH	CAN	2013	3:16.99	TAKASHI HAYASHI	JPN	2009
1:09.15	JACK KELSO	CAN	2014	1:23.81	CLARKE MITCHELL	USA	2007	3:25.16	ALFRED SEEGER	GER	2015
1:09.83	HIROSHI MATSUMOTO	JPN	2011	1:24.21	KEIJIRO NAKAMURA	JPN	1998	3:26.72	ROBERT PFERSDORFF	GER	1999
1:10.17	WILL GOSNOLD	USA	2015	1:24.58	FRANS VAN ENST	NED	2015	3:27.58	KARL HAUTER	GER	2001
1:10.71	SHINGO YAMAMOTO	JPN	2006	200 M.	BACK			3:29.00	ERIVALDO LIMA	BRA	2008
1:11.15	HELMUT RICHTER	GER	2014	2:49.20	BURWELL JONES	USA	2009	3:29.28	CHRISTIAN THIESS	AUS	2013
1:11.47	JOAQUIN CANALES	ESP	2015	2:58.21	ROGER FRANKS	USA	2002	3:31.23	MAURICE LUSTEN	FRA	2001
1:11.53	GRAHAM JOHNSTON	USA	2007	3:00.92	S.SEKIKAWA	JPN	2008	3:32.06	ARTIE WOLFE	USA	2015
1:11.55	FRANK PIEMME	USA	2000	3:01.06	T.HASHIMOTO	JPN	2015	3:34.92	JOAQUIN CANALES	ESP	2015
200 M.	FREE			3:03.13	FRANS VAN ENST	NED	2015	3:36.25	CLAUDIO NEGRI	ITA	2012
2:27.53	DAVID RADCLIFF	USA	2009	3:04.84	KARL DONOGHUE	CAN	2015	100 M.	I.M.		
2:37.71	GRAHAM JOHNSTON	USA	2006	3:09.16	DAVID COSTILL	USA	2014	1:18.80	BURWELL JONES	USA	2009
2:38.07	IKURO SHIMONO	JPN	2013	3:09.22	KEIJIRO NAKAMURA	JPN	1999	1:20.43	JACK KELSO	CAN	2015
2:38.97	WERNER SCHNABEL	GER	2012	3:10.00	MAMPEI SEINO	JPN	2008	1:21.42	DAVID COSTILL	USA	2011
2:40.22	JOHN CRISP	AUS	2010	3:10.22	RAYMOND TAFT	USA	1994	1:22.11	JOAQUIN CANALES	ESP	2015
2:42.21	SHINGO YAMAMOTO	JPN	2006	50 M.	BRST			1:22.82	IKURO SHIMONO	JPN	2012
2:43.07	JOAQUIN CANALES	ESP	2015	39.04	TETSUO NAKAMARU	JPN	2010	1:23.53	HANS REICHELT	GER	2011
2:43.22	MASATO YOSHINO	JPN	2015	39.20	HANS REICHELT	GER	2011	1:24.42	FRANK PIEMME	USA	2000
2:45.31	CAV CAVANAUGH	USA	2013	39.36	TONY GOODWIN	AUS	2012	1:24.48	BELA FABIAN	HUN	2013
2:46.10	GEOFF STOKES	GBR	2014	39.76	TATSUO ASAI	JPN	2015	1:24.51	TOM VERTH	CAN	2014
400 M.	FREE			39.84	JACK KELSO	CAN	2015	1:24.71	DAVID RADCLIFF	USA	2009
5:15.10	DAVID RADCLIFF	USA	2009	39.85	YOSHIKI AOKI	JPN	2014	200 M.	I.M.		
5:30.95	GERHARD HOLE	GER	2012	39.97	TOSHIO TAJIMA	JPN	2000	2:59.26	BURWELL JONES	USA	2009
5:36.32	IKURO SHIMONO	JPN	2012	40.06	BELA FABIAN	HUN	2013	3:03.21	JACK KELSO	CAN	2015



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3:04.87 IKURO SHIMONO JPN 2013	12:59.22 ROBERTO ALBERICHE ESP 2013	1:40.37 BOB BEST USA 2012
3:07.80 JOAQUIN CANALES ESP 2015	13:01.70 GRAHAM JOHNSTON USA 2012	1:41.05 HIROFUMI HOSOTANI JPN 2015
3:10.06 KARL HAUTER GER 2000	13:02.25 GIULIO DIVANO ITA 2012	200 M. BRST
3:10.43 MASARU SHINKAI JPN 2015	13:29.27 RAYMOND TAFT USA 1999	3:34.21 ZENJI NAKAHARI JPN 2008
3:10.46 JAMES ZURCHER USA 2009	13:34.55 KARL HAUTER GER 2007	3:40.73 KARL HAUTER GER 2005
3:12.11 JOHN CRISP AUS 2011	13:35.75 KATSURA SUZUKI JPN 2011	3:40.74 PATRICK GALVIN AUS 2013
3:13.77 HOWARD ROLSTON USA 2015	13:41.19 FRANK PIEMME USA 2005	3:45.57 ROBERT MACDONALD USA 2009
3:14.70 KINICHI MURASE JPN 2015	1500 M. FREE	3:45.76 PETER BELL CAN 2015
400 M. I.M.	21:59.53 DAVID RADCLIFF USA 2014	3:46.93 TAKAO OKAMOTO JPN 2013
6:33.87 BURWELL JONES USA 2009	24:36.35 BURWELL JONES USA 2013	3:47.50 JAN ZIEGLER CZE 2006
6:52.62 KARL HAUTER GER 2001	24:36.75 GERHARD HOLE GER 2015	3:47.87 FRANK PIEMME USA 2005
6:54.31 JOAQUIN CANALES ESP 2015	25:18.69 HIROSHI YOSHIMURA JPN 2009	3:49.89 SHUJI KAWAKAMI JPN 2015
6:55.57 MASARU SHINKAI JPN 2015	25:25.94 GRAHAM JOHNSTON USA 2012	3:50.86 MAX VAN GELDER NED 2004
6:56.28 ARTIE WOLFE USA 2015	25:35.01 RAY TAFT USA 1999	50 M. FLY
6:59.38 IKURO SHIMONO JPN 2015	25:35.82 GIULIO DIVANO ITA 2012	37.77 TAKASHI HAYASHI JPN 2013
6:59.68 FRANK PIEMME USA 2000	26:24.53 WILL RAUCH USA 2014	38.92 CLARKE MITCHELL USA 2013
7:01.83 ALFRED SEEGER GER 2015	26:41.69 ALDO DA ROSA USA 1998	39.66 YOSHIO ISHIGURO JPN 2011
7:04.92 JOHN CRISP AUS 2010	26:51.46 THOMAS TAYLOR USA 2011	40.24 FRANK PIEMME USA 2005
7:07.64 GRAHAM JOHNSTON USA 2006	50 M. BACK	40.25 TOSHIO TAJIMA JPN 2005
*****	37.82 YOSHI OYAKAWA USA 2014	40.32 ROBERTO ALBERICHE ESP 2012
M E N 80-84	38.15 S.SEKIKAWA JPN 2013	40.40 TAMON YOSHIDA JPN 2007
*****	38.26 KEIJIRO NAKAMURA JPN 2003	40.46 GIULIO DIVANO ITA 2012
50 M. FREE	38.62 CLARKE MITCHELL USA 2013	40.48 MASARU IGARASHI JPN 2015
32.14 ROBERTO ALBERICHE ESP 2013	39.51 BURWELL JONES USA 2013	40.94 MASAYASU KAMIYA JPN 2012
32.61 KEIJIRO NAKAMURA JPN 2004	40.61 ILO FONSECA BRA 2010	100 M. FLY
32.80 FRANK PIEMME USA 2005	41.31 SHOICHI SHIDA JPN 2006	1:30.15 GIULIO DIVANO ITA 2012
32.90 CAV CAVANAUGH USA 2015	41.58 PAUL HUTINGER USA 2004	1:30.69 TAKASHI HAYASHI JPN 2013
33.23 B.SCHLURKE GER 2001	42.11 DALE WEBSTER USA 2006	1:36.53 KARL HAUTER GER 2005
33.26 DAVID RADCLIFF USA 2015	42.16 SHOICHI SAKAMOTO JPN 1998	1:41.82 JAN ZIEGLER CZE 2005
33.60 ILO FONSECA BRA 2010	100 M. BACK	1:42.85 WILLIAM LAUER USA 2014
33.62 ANDERS SODERQVIST SWE 2013	1:25.07 S.SEKIKAWA JPN 2013	1:43.20 MAX VAN GELDER NED 2004
33.73 SHINGO YAMAMOTO JPN 2011	1:25.77 KEIJIRO NAKAMURA JPN 2003	1:44.29 THOMAS MAINE USA 2007
33.79 FUJIO MYOJIN JPN 2008	1:28.01 YOSHI OYAKAWA USA 2014	1:46.05 BOB BEST USA 2012
100 M. FREE	1:28.47 CLARKE MITCHELL USA 2013	1:46.68 SILVANO DANIELI ITA 2008
1:11.26 DAVID RADCLIFF USA 2014	1:30.61 BURWELL JONES USA 2013	1:47.04 MASAYASU KAMIYA JPN 2012
1:12.84 ROBERTO ALBERICHE ESP 2012	1:31.94 GERHARD HOLE GER 2015	200 M. FLY
1:15.16 CAV CAVANAUGH USA 2015	1:33.27 PAUL HUTINGER USA 2004	3:30.11 GIULIO DIVANO ITA 2011
1:16.09 KEIJIRO NAKAMURA JPN 2003	1:33.58 RAY TAFT USA 1999	3:33.24 TAKASHI HAYASHI JPN 2013
1:16.30 SHOICHI SHIDA JPN 2006	1:34.16 ROGER FRANKS USA 2007	3:52.41 THOMAS MAINE USA 2007
1:17.02 FRANK PIEMME USA 2005	1:35.25 JAN ZIEGLER CZE 2005	4:00.64 ANTON CERER USA 1997
1:17.27 SHINGO YAMAMOTO JPN 2011	200 M. BACK	4:15.95 ANRI VERESHCHAGIN RUS 2015
1:17.49 AL WORTH USA 2015	3:10.06 KEIJIRO NAKAMURA JPN 2003	4:17.12 PAUL KRUP USA 1997
1:18.15 JAMES ZURCHER USA 2014	3:11.45 S.SEKIKAWA JPN 2013	4:17.29 MINORU NAGASHIMA JPN 2006
1:18.25 GRAHAM JOHNSTON USA 2011	3:15.61 GERHARD HOLE GER 2015	4:18.70 HIRONARI UEDA JPN 2002
200 M. FREE	3:19.77 BURWELL JONES USA 2013	4:20.52 KARL HAUTER GER 2008
2:38.25 DAVID RADCLIFF USA 2014	3:23.73 RAY TAFT USA 1999	4:22.65 CLAUDE SIBBILLE FRA 2015
2:45.24 ROBERTO ALBERICHE ESP 2012	3:24.71 BOB MILLER USA 2010	100 M. I.M.
2:52.14 CAV CAVANAUGH USA 2015	3:25.46 ROGER FRANKS USA 2007	1:28.47 GERHARD HOLE GER 2015
2:52.72 GERHARD HOLE GER 2015	3:31.93 CLARKE MITCHELL USA 2012	1:28.76 ROBERTO ALBERICHE ESP 2012
2:55.46 SHINGO YAMAMOTO JPN 2011	3:32.87 KARL HAUTER GER 2005	1:29.29 JAMES ZURCHER USA 2014
2:56.89 BURWELL JONES USA 2013	3:33.22 MAMPEI SEINO JPN 2012	1:30.18 ZENJI NAKAHARI JPN 2008
2:57.47 GRAHAM JOHNSTON USA 2011	50 M. BRST	1:31.23 GIULIO DIVANO ITA 2011
2:58.32 HIROSHI YOSHIMURA JPN 2008	41.42 TOSHIO TAJIMA JPN 2005	1:31.72 CLARKE MITCHELL USA 2013
2:59.43 TOSABURO HOSOKAWA JPN 2015	43.27 IWAMI IKEDA JPN 2014	1:31.77 SHOICHI SHIDA JPN 2006
3:00.21 KARL HAUTER GER 2005	43.42 BOB BEST USA 2012	1:31.83 MASAYASU KAMIYA JPN 2012
400 M. FREE	43.44 HIROFUMI HOSOTANI JPN 2015	1:32.00 YOSHINAO KAMEI JPN 2013
5:39.27 DAVID RADCLIFF USA 2014	43.64 ZENJI NAKAHARI JPN 2008	1:32.25 KARL HAUTER GER 2005
5:56.77 ROBERTO ALBERICHE ESP 2012	43.70 TETSUO NAKAMARU JPN 2015	200 M. I.M.
5:59.22 GIULIO DIVANO ITA 2011	43.89 PETER BELL CAN 2015	3:18.55 GIULIO DIVANO ITA 2011
6:03.16 TOSABURO HOSOKAWA JPN 2015	43.99 Y.KAWABATA JPN 2006	3:22.25 JAMES ZURCHER USA 2014
6:12.87 BURWELL JONES USA 2013	44.30 SAKAE OMORI JPN 2015	3:25.47 ROBERTO ALBERICHE ESP 2013
6:20.10 HIROSHI YOSHIMURA JPN 2008	44.56 Y.MIYAMOTO JPN 1997	3:26.48 KARL HAUTER GER 2006
6:23.47 GRAHAM JOHNSTON USA 2012	100 M. BRST	3:27.53 WILLIAM LAUER USA 2014
6:27.60 RAY TAFT USA 1999	1:35.96 ZENJI NAKAHARI JPN 2008	3:32.79 YOSHINAO KAMEI JPN 2013
6:30.21 KARL HAUTER GER 2006	1:36.60 TETSUO NAKAMARU JPN 2015	3:33.09 BOB BEST USA 2013
6:34.32 CLARKE MITCHELL USA 2012	1:36.91 KARL HAUTER GER 2005	3:34.08 BURWELL JONES USA 2013
800 M. FREE	1:38.11 TSUTOMU KAJIHARA JPN 2013	3:37.04 RAYMOND TAFT USA 1999
11:35.71 DAVID RADCLIFF USA 2014	1:38.22 PETER BELL CAN 2015	3:37.92 ANRI VERESHCHAGIN RUS 2014
12:43.58 BURWELL JONES USA 2013	1:38.61 PATRICK GALVIN AUS 2013	400 M. I.M.
12:50.97 HIROSHI YOSHIMURA JPN 2008	1:39.60 GIULIO DIVANO ITA 2012	6:58.11 GIULIO DIVANO ITA 2011
	1:39.85 TOSHIO TAJIMA JPN 2005	7:26.06 KARL HAUTER GER 2005



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7:33.77	WILLIAM LAUER	USA	2014	30:17.44	ROBERT BEACH	USA	2015	4:32.52	ROBERT MACDONALD	USA	2013
7:37.58	RAY TAFT	USA	1999	30:31.85	TOKUSHI KOMEDA	JPN	1999	4:32.75	WATARU ASAOKA	JPN	2011
7:46.85	ANRI VERESHCHAGIN	RUS	2014	31:05.09	RYUJI FUJIKAWA	JPN	2002	50	M. FLY		
7:49.23	FRANK PIEMME	USA	2005	32:11.96	HAROLD DODD	GBR	2004	43.35	MAX VON ISSER	USA	2004
7:49.67	BOB BEST	USA	2012	32:20.20	GUS LANGNER	USA	1988	44.10	TOSHIO TAJIMA	JPN	2010
7:53.88	ALDO DA ROSA	USA	1998	32:23.51	IRWIN STOLZ	USA	2014	44.69	TAMON YOSHIDA	JPN	2011
7:55.53	THOMAS MAINE	USA	2007	32:43.03	NILS FERM	SWE	2003	45.50	FRANK PIEMME	USA	2010
7:57.44	YOSHINAO KAMEI	JPN	2013	50	M. BACK			47.89	ANDREW HOLDEN	USA	2004
*****				40.59	KEIJIRO NAKAMURA	JPN	2009	50.51	Y.MIYAMOTO	JPN	2002
M E N 85-89				43.80	GORO KOBAYASHI	JPN	2001	51.28	THOMAS MAINE	USA	2010
*****				45.53	SHOICHI SHIDA	JPN	2012	51.85	SILVIO MANGANO	ITA	2015
50	M. FREE			46.08	TOSHIJI SATO	JPN	2000	52.71	SHIGERU KAMATA	JPN	2015
34.54	KEIJIRO NAKAMURA	JPN	2008	46.35	SHOICHI SAKAMOTO	JPN	2003	52.74	WALT PFEIFFER	USA	1998
36.26	FRANK PIEMME	USA	2010	47.17	R.REINSTADTLER	GER	1997	100	M. FLY		
36.31	TOSHIMI INATOMI	JPN	2011	47.34	ALDO DA ROSA	USA	2002	1:53.78	THOMAS MAINE	USA	2010
36.51	WILLARD LAMB	USA	2007	47.75	ROD BAKER	AUS	2014	1:54.07	FRANK PIEMME	USA	2010
36.61	TAKAHIKO NOMA	JPN	2013	48.07	HELMUT KUNZEL	GER	2013	2:01.65	ANDREW HOLDEN	USA	2004
36.61	JIM EUBANK	USA	2000	48.08	WILLARD LAMB	USA	2008	2:04.50	WALT PFEIFFER	USA	1998
37.08	SHOICHI SAKAMOTO	JPN	2003	100	M. BACK			2:11.49	KARL HAUTER	GER	2012
37.16	WOODROW BOWERSOCK	USA	1998	1:28.98	KEIJIRO NAKAMURA	JPN	2008	2:13.39	ALDO DA ROSA	USA	2002
37.85	ANDREW HOLDEN	USA	2004	1:39.08	GORO KOBAYASHI	JPN	2002	2:15.51	LUDWIG GEBURZI	GER	2007
37.96	WILLIAM JOHNSTON	USA	2003	1:40.25	TOSHIJI SATO	JPN	2000	2:15.74	PAUL KRUP	USA	2003
100	M. FREE			1:42.84	KARL HAUTER	GER	2010	2:15.82	GUILHERME SILVA	BRA	2014
1:19.42	KEIJIRO NAKAMURA	JPN	2008	1:47.93	WILLARD LAMB	USA	2009	2:17.41	PAUL HUTINGER	USA	2009
1:23.20	JIM EUBANK	USA	2000	1:48.79	ALDO DA ROSA	USA	2002	200	M. FLY		
1:24.32	ROD BAKER	AUS	2013	1:48.95	EDWARD SHEA	USA	1999	4:12.21	THOMAS MAINE	USA	2010
1:25.28	FRANK PIEMME	USA	2010	1:50.96	R.REINSTEDTLER	GER	2000	4:49.10	WALT PFEIFFER	USA	1998
1:25.28	WILLARD LAMB	USA	2007	1:50.99	NORIO HAYASHI	JPN	2015	5:01.50	PAUL KRUP	USA	2002
1:27.00	HIKOJI UEKI	JPN	2000	1:51.04	ROD BAKER	AUS	2015	5:15.25	PAUL HUTINGER	USA	2009
1:27.11	KARL HAUTER	GER	2012	200	M. BACK			5:29.72	DON LEADER	GBR	2009
1:29.62	WOODY BOWERSOCK	USA	1998	3:18.29	KEIJIRO NAKAMURA	JPN	2008	5:33.83	HIRONARI UEDA	JPN	2006
1:29.92	GORO KOBAYASHI	JPN	2003	3:37.45	GORO KOBAYASHI	JPN	2002	6:10.72	WILLIAM JOHNSTON	USA	2003
1:30.77	TOSHIMI INATOMI	JPN	2011	3:55.12	WILLARD LAMB	USA	2008	6:33.38	BOB DOUD	USA	2009
200	M. FREE			4:00.80	ALDO DA ROSA	USA	2002	7:59.16	JAY CHARLES	USA	2007
3:12.85	WILLARD LAMB	USA	2007	4:02.65	RYUJI FUJIKAWA	JPN	2002	8:26.16	ROY BODINE	USA	1997
3:13.45	JIM EUBANK	USA	2000	4:05.07	JOHN MERRILL	USA	2005	100	M. I.M.		
3:14.70	KARL HAUTER	GER	2010	4:05.25	C.SCHERER	GER	1999	1:32.47	HEINZ SIEGEL	GER	2003
3:15.87	HIKOJI UEKI	JPN	2000	4:06.86	EDWARD SHEA	USA	2000	1:40.78	KARL HAUTER	GER	2010
3:20.73	JIRO KOBAYASHI	JPN	2010	4:09.25	NILS FERM	SWE	2003	1:42.41	FRANK PIEMME	USA	2010
3:22.82	ROD BAKER	AUS	2013	4:09.66	R.REINSTADTLER	GER	1999	1:47.12	HIROSHI IMAIZUMI	JPN	2010
3:26.81	JURGEN SCHMIDT	USA	2009	50	M. BRST			1:48.23	ANDREW HOLDEN	USA	2004
3:29.01	TOKUSHI KOMEDA	JPN	2000	44.47	TOSHIO TAJIMA	JPN	2010	1:48.52	THOMAS MAINE	USA	2010
3:30.18	FRANK PIEMME	USA	2011	47.24	FRANK PIEMME	USA	2010	1:51.13	ROLF STELLRECHT	GER	2013
3:35.62	S.KROKOSZYNSKI	POL	2015	47.53	KARL HAUTER	GER	2012	1:51.67	SHOICHI SHIDA	JPN	2012
400	M. FREE			47.66	Y.KAWABATA	JPN	2010	1:52.47	YUJI SUZUKI	JPN	2014
6:56.12	ROD BAKER	AUS	2013	47.70	Y.MIYAMOTO	JPN	2002	1:52.78	SHIGERU KAMATA	JPN	2015
7:13.19	WILLARD LAMB	USA	2009	48.82	HIROMU YOSHIMOTO	JPN	2000	200	M. I.M.		
7:14.98	FRANK PIEMME	USA	2010	49.76	ROLF WALTHER	GER	2014	3:48.34	KARL HAUTER	GER	2010
7:19.56	THOMAS MAINE	USA	2010	50.04	SEIJI TAKAHASHI	JPN	2000	3:50.46	FRANK PIEMME	USA	2010
7:19.94	JIM EUBANK	USA	2000	50.25	R.REINSTÄDTLER	GER	2000	3:54.61	THOMAS MAINE	USA	2010
7:22.76	HIROSHI IMAIZUMI	JPN	2010	50.44	WALTER MINNICH	GER	2004	4:02.22	HIROSHI IMAIZUMI	JPN	2010
7:24.82	JURGEN SCHMIDT	USA	2008	100	M. BRST			4:07.59	ALDO DA ROSA	USA	2002
7:27.29	TOKUSHI KOMEDA	JPN	1999	1:43.72	KARL HAUTER	GER	2010	4:19.20	ANDREW HOLDEN	USA	2004
7:28.04	KARL HAUTER	GER	2013	1:47.97	TOSHIO TAJIMA	JPN	2010	4:20.08	JAN ZIEGLER	CZE	2013
7:46.62	GABRIEL GUIHO	FRA	2015	1:50.32	HIROMU YOSHIMOTO	JPN	2000	4:20.52	S.KROKOSZYNSKI	POL	2015
800	M. FREE			1:53.02	FRANK PIEMME	USA	2010	4:24.58	WALT PFEIFFER	USA	1998
14:04.48	WILLARD LAMB	USA	2008	1:55.50	ROLF STELLRECHT	GER	2013	4:32.34	JURGEN SCHMIDT	USA	2008
15:01.45	ROD BAKER	AUS	2013	1:56.21	ALDO DA ROSA	USA	2002	400	M. I.M.		
15:03.26	JURGEN SCHMIDT	USA	2008	1:59.53	ROBERT MACDONALD	USA	2013	8:12.94	THOMAS MAINE	USA	2010
15:05.68	HIROSHI IMAIZUMI	JPN	2010	1:59.82	Y.MIYAMOTO	JPN	2002	8:32.50	FRANK PIEMME	USA	2010
15:15.07	FRANK PIEMME	USA	2010	2:00.02	H.REITEMEYER	GER	2006	9:32.65	WALT PFEIFFER	USA	1998
15:15.68	JIM EUBANK	USA	2000	2:01.87	LUDWIG GEBURZI	GER	2006	9:36.09	ANDREW HOLDEN	USA	2004
16:00.39	ROBERT BEACH	USA	2015	200	M. BRST			9:48.58	JURGEN SCHMIDT	USA	2008
16:03.63	D.CASOLINO	ITA	2012	4:05.91	FRANK PIEMME	USA	2010	10:13.47	DON LEADER	GBR	2009
16:19.95	TOKUSHI KOMEDA	JPN	1999	4:13.03	THOMAS MAINE	USA	2010	10:26.11	HIRONARI UEDA	JPN	2006
16:28.13	HAROLD DODD	GBR	2001	4:15.02	KARL HAUTER	GER	2014	10:47.13	HERB EISENSCHMIDT	USA	1991
1500	M. FREE			4:16.20	ALDO DA ROSA	USA	2002	11:07.74	WILLIAM JOHNSTON	USA	2003
28:17.36	WILLARD LAMB	USA	2008	4:20.43	HIROMU YOSHIMOTO	JPN	2001	11:48.29	TOM MC CALL	USA	2007
29:16.62	JURGEN SCHMIDT	USA	2008	4:28.38	Y.MIYAMOTO	JPN	2002	*****			
29:55.69	JIM EUBANK	USA	2000	4:30.08	S.KROKOSZYNSKI	POL	2015	M E N 90-94			
				4:30.32	JOHN MONNE	CAN	2015				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2015)

*****			53.85	KAIZO WATANABE	JPN 2013	1:08.28	MAKOTO KAMIJO	JPN 2015
50	M. FREE		54.81	ANTON BIEDERMANN	BRA 2014	1:09.41	HEINZ SIEGEL	GER 2004
41.07	WOODY BOWERSOCK	USA 2003	55.25	JOHN MERRILL	USA 2007	100	M. FLY	
42.60	GORO KOBAYASHI	JPN 2006	55.30	JAN ZIEGLER	CZE 2015	2:21.82	WALT PFEIFFER	USA 2003
42.69	WILLARD LAMB	USA 2013	55.47	KAZUNAGA AKUTSU	JPN 2003	2:23.21	KARL HAUTER	GER 2015
42.76	GEORGE CORONES	AUS 2009	55.87	KARL HAUTER	GER 2015	2:24.00	THOMAS MAINE	USA 2015
42.93	TOKUSHI KOMEDA	JPN 2004	56.02	NILS FERM	SWE 2007	2:41.14	ALDO CAPUTI	ITA 2005
43.18	KARL HAUTER	GER 2015	100	M. BACK		3:40.42	ROBERT DOUD	USA 2013
43.89	KAZUNAGA AKUTSU	JPN 2002	1:47.66	GORO KOBAYASHI	JPN 2006	4:25.80	EUGENE LEHMAN	CAN 2003
43.91	ISAMU TAMURA	JPN 2009	1:58.27	TOSHIJI SATO	JPN 2005	4:50.20	BILL REEDER	USA 2001
45.03	R.REINSTADTLER	GER 2002	1:58.74	KARL HAUTER	GER 2015	200	M. FLY	
45.46	ANTON BIEDERMANN	BRA 2014	1:59.76	WILLARD LAMB	USA 2013	5:24.08	THOMAS MAINE	USA 2015
100	M. FREE		2:00.03	JOHN MERRILL	USA 2007	5:37.23	WALT PFEIFFER	USA 2003
1:35.17	KARL HAUTER	GER 2015	2:00.25	R.REINSTADTLER	GER 2002	8:21.40	ROBERT DOUD	USA 2013
1:39.26	WOODY BOWERSOCK	USA 2003	2:05.53	KAIZO WATANABE	JPN 2014	9:14.77	EUGENE LEHMAN	CAN 2003
1:39.27	WILLARD LAMB	USA 2014	2:05.76	NILS FERM	SWE 2009	100	M. I.M.	
1:41.47	TOKUSHI KOMEDA	JPN 2004	2:06.00	WOODY BOWERSOCK	USA 2003	1:53.75	KARL HAUTER	GER 2015
1:45.28	GORO KOBAYASHI	JPN 2007	2:09.05	MASAHISA KANEKO	JPN 2003	2:01.30	JAN ZIEGLER	CZE 2015
1:45.44	GEORGE CORONES	AUS 2009	200	M. BACK		2:08.35	THOMAS MAINE	USA 2015
1:47.51	MASAHISA KANEKO	JPN 2002	3:59.25	GORO KOBAYASHI	JPN 2007	2:08.86	TOKUSHI KOMEDA	JPN 2004
1:47.70	STEVE CARLSON	USA 2009	4:17.86	WILLARD LAMB	USA 2014	2:14.23	WALT PFEIFFER	USA 2003
1:48.31	JURGEN SCHMIDT	USA 2013	4:20.68	R.REINSTADTLER	GER 2002	2:15.51	JURGEN SCHMIDT	USA 2013
1:51.96	HEINZ SIEGEL	GER 2004	4:25.14	JOHN MERRILL	USA 2007	2:16.67	R.REINSTADTLER	GER 2002
200	M. FREE		4:29.54	NILS FERM	SWE 2007	2:18.93	ALDO CAPUTI	ITA 2005
3:31.01	KARL HAUTER	GER 2015	4:40.34	THOMAS MAINE	USA 2015	2:24.64	HEINZ SIEGEL	GER 2004
3:39.65	TOKUSHI KOMEDA	JPN 2004	4:45.91	ROGERS HOLMES	USA 2011	2:28.50	WOODY BOWERSOCK	USA 2003
3:46.17	WILLARD LAMB	USA 2014	4:47.45	WOODY BOWERSOCK	USA 2003	200	M. I.M.	
3:48.53	GORO KOBAYASHI	JPN 2007	4:47.65	KAIZO WATANABE	JPN 2013	4:18.30	KARL HAUTER	GER 2015
3:59.28	WOODY BOWERSOCK	USA 2003	4:54.70	ALFRED SCHULHOF	CAN 2010	4:37.27	THOMAS MAINE	USA 2015
4:01.58	JURGEN SCHMIDT	USA 2013	50	M. BRST		4:42.02	JAN ZIEGLER	CZE 2015
4:03.31	STEVE CARLSON	USA 2009	49.58	TOSHIO TAJIMA	JPN 2015	5:13.24	WALT PFEIFFER	USA 2003
4:13.88	JAMES TAR	BRA 2014	51.67	Y.KAWABATA	JPN 2015	5:21.93	JURGEN SCHMIDT	USA 2013
4:20.43	GASTAO FIGUEIREDO	BRA 2000	51.68	KARL HAUTER	GER 2015	6:10.00	JOHN HARRISON	GBR 2004
4:23.15	MASAHISA KANEKO	JPN 2003	53.23	HEINZ JAHR	GER 1997	7:18.74	ROMAN JEZEK	CAN 2004
400	M. FREE		55.68	HIROMU YOSHIMOTO	JPN 2005	7:32.22	EUGENE LEHMAN	CAN 2004
7:44.83	WILLARD LAMB	USA 2014	58.39	TAKESHI YASUKAWA	JPN 2013	7:45.88	ROBERT DOUD	USA 2013
8:32.09	JURGEN SCHMIDT	USA 2013	58.72	ISAMU TAMURA	JPN 2009	8:43.21	BILL REEDER	USA 2001
8:50.65	GUS LANGNER	USA 1993	58.80	JAN ZIEGLER	CZE 2015	400	M. I.M.	
8:52.99	STEVE CARLSON	USA 2009	1:00.00	JOHN HARRISON	GBR 2006	9:39.56	THOMAS MAINE	USA 2015
9:05.71	JOHN MERRILL	USA 2007	1:01.52	FRED SCHULHOF	CAN 2009	11:15.65	WALT PFEIFFER	USA 2003
9:05.85	JAMES DETAR	BRA 2014	100	M. BRST		15:21.15	ROBERT DOUD	USA 2013
9:16.99	NILS FERM	SWE 2007	1:56.64	KARL HAUTER	GER 2015	15:45.53	EUGENE LEHMAN	CAN 2003
9:23.13	AUSTIN NEWMAN	USA 2005	2:15.14	HIROMU YOSHIMOTO	JPN 2005	17:59.19	BILL REEDER	USA 2000
9:34.51	TOKUSHI KOMEDA	JPN 2006	2:23.92	RUSS WITTE	USA 2008	*****		
9:37.35	WOODY BOWERSOCK	USA 2003	2:32.59	SEITA INAYOSHI	JPN 2013	M E N 95-99		
800	M. FREE		2:32.87	MASAHISA KANEKO	JPN 2002	*****		
16:04.18	WILLARD LAMB	USA 2014	2:33.12	GEORGE CORONES	AUS 2008	50	M. FREE	
18:13.98	JURGEN SCHMIDT	USA 2013	2:33.67	ALFRED SCHULHOF	CAN 2010	47.16	GEORGE CORONES	AUS 2013
18:36.25	NILS FERM	SWE 2008	2:36.06	THOMAS MAINE	USA 2015	55.08	KAZUNAGA AKUTSU	JPN 2007
18:49.01	AUSTIN NEWMAN	USA 2005	2:37.51	M.GIAMPIETRO	ITA 2013	57.57	GUS LANGNER	USA 1998
19:19.87	JAMES TAR	BRA 2014	2:39.48	JURGEN SCHMIDT	USA 2013	1:00.40	R.REINSTADTLER	GER 2007
19:29.43	IZUMI MATSUDA	JPN 2015	200	M. BRST		1:01.65	GERSON SOBEL	USA 2005
19:31.83	WOODY BOWERSOCK	USA 2003	4:59.71	HIROMU YOSHIMOTO	JPN 2005	1:02.43	MASAO UEDA	JPN 2007
20:33.27	HUGH MCGREGOR	CAN 2009	5:19.20	THOMAS MAINE	USA 2015	1:05.82	ALFRED SCHULHOF	CAN 2014
20:42.60	KARL BAYERLEIN	GER 2011	5:32.15	DENZO WAKAYAMA	JPN 2015	1:06.95	JARING TIMMERMAN	CAN 2004
20:48.59	JOHN HARRISON	GBR 2004	5:32.73	GEORGE CORONES	AUS 2009	1:08.48	HUGH MCGREGOR	CAN 2014
1500	M. FREE		5:35.74	MASAHISA KANEKO	JPN 2003	1:10.32	ALFREDO CHERCHI	AUS 2002
30:41.82	WILLARD LAMB	USA 2014	5:37.31	JURGEN SCHMIDT	USA 2013	100	M. FREE	
35:20.36	AUSTIN NEWMAN	USA 2005	5:44.96	RUSS WITTE	USA 2008	1:54.60	GEORGE CORONES	AUS 2013
35:45.97	JURGEN SCHMIDT	USA 2014	5:46.96	E OLE LARSON	USA 2011	2:09.32	KAZUNAGA AKUTSU	JPN 2007
38:17.40	NILS FERM	SWE 2007	5:47.17	SEITA INAYOSHI	JPN 2013	2:19.51	GUS LANGNER	USA 1998
38:53.33	HUGH MCGREGOR	CAN 2009	5:58.17	WALT PFEIFFER	USA 2003	2:31.62	JARING TIMMERMAN	CAN 2004
39:27.89	JAMES TAR	BRA 2014	50	M. FLY		2:31.83	HUGH MCGREGOR	CAN 2014
39:33.78	WOODY BOWERSOCK	USA 2004	54.38	TOSHIO TAJIMA	JPN 2015	2:33.97	ALFRED SCHULHOF	CAN 2014
39:52.69	CALVIN BARNES	USA 2014	56.09	WALT PFEIFFER	USA 2003	2:43.76	JOHN HARRISON	GBR 2009
40:43.49	JOHN HARRISON	GBR 2004	1:00.39	KARL HAUTER	GER 2015	2:49.91	JEAN LEEMPUT	FRA 2010
42:51.20	JOHN BRICE	AUS 2009	1:00.40	JAN ZIEGLER	CZE 2015	3:06.54	R.REINSTADTLER	GER 2007
50	M. BACK		1:00.50	HEINZ JAHR	GER 1997	3:06.66	F.GIANNETTA	ITA 2012
52.49	GORO KOBAYASHI	JPN 2008	1:04.99	THOMAS MAINE	USA 2015	200	M. FREE	
53.24	R.REINSTADTLER	GER 2002	1:07.00	ALDO CAPUTI	ITA 2005	5:13.46	GUS LANGNER	USA 1998
53.32	TOSHIJI SATO	JPN 2005	1:08.25	R.REINSTADTLER	GER 2002			



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5:29.49	ALFRED SCHULHOF	CAN	2014	8:00.06	ROMAN JEZEK	CAN	2009
5:42.47	ALFREDO CHERCHI	AUS	2002	50 M. FLY			
5:46.73	HUGH MCGREGOR	CAN	2014	1:35.76	ALDO CAPUTI	ITA	2010
5:55.45	JOHN HARRISON	GBR	2009	3:02.06	EUGENE LEHMAN	CAN	2008
6:25.40	JEAN LEEMPUT	FRA	2010	100 M. FLY			
7:18.36	F.GIANNETTA	ITA	2012	6:04.41	WALTER PFEIFFER	USA	2008
8:00.06	ROMAN JEZEK	CAN	2009	100 M. I.M.			
8:12.83	EUGENE LEHMAN	CAN	2008	3:33.98	GUS LANGNER	USA	1998
8:27.62	JACK MATHESON	AUS	2013	5:45.94	BILL REEDER	USA	2005
400 M. FREE				200 M. I.M.			
10:51.93	GUS LANGNER	USA	1998	9:50.55	WALTER PFEIFFER	USA	2008
12:08.80	HUGH MCGREGOR	CAN	2014	400 M. I.M.			
12:24.23	JOHN HARRISON	GBR	2009	21:03.17	WALTER PFEIFFER	USA	2008
16:31.48	EUGENE LEHMAN	CAN	2008				
800 M. FREE				*****			
22:05.55	GUS LANGNER	USA	1998	M E N 100-104			
32:46.93	EUGENE LEHMAN	CAN	2008	*****			
1500 M. FREE				50 M. FREE			
41:29.87	GUS LANGNER	USA	1998	1:16.92	JARING TIMMERMAN	CAN	2009
50 M. BACK				1:27.67	JOHN HARRISON	GBR	2014
1:01.25	KAZUNAGA AKUTSU	JPN	2007	1:32.43	JEAN LEEMPUT	FRA	2014
1:03.77	HORVATH BANKI	HUN	2015	2:06.66	TOM LANE	USA	1995
1:05.82	ALFRED SCHULHOF	CAN	2014	2:07.41	HANS HAHN	GER	2008
1:06.23	GORO KOBAYASHI	JPN	2011	100 M. FREE			
1:09.22	TOSHIJI SATO	JPN	2012	3:02.22	JARING TIMMERMAN	CAN	2009
1:10.42	NORI YAMAMOTO	JPN	2004	3:27.79	JOHN HARRISON	GBR	2014
1:12.83	JEAN LEEMPUT	FRA	2010	4:32.29	TOM LANE	USA	1995
1:13.45	JOHN HARRISON	GBR	2009	50 M. BACK			
1:21.47	R.REINSTADTLER	GER	2007	1:26.68	JEAN LEEMPUT	FRA	2014
1:21.53	RUSS WITTE	USA	2011	1:45.59	JARING TIMMERMAN	CAN	2009
100 M. BACK				2:02.52	TOM LANE	USA	1995
2:21.73	TOSHIJI SATO	JPN	2010	2:09.37	HANS HAHN	GER	2008
2:23.12	KAZUNAGA AKUTSU	JPN	2007	4:17.99	NOBUO OTSUKI	JPN	2007
2:25.92	GORO KOBAYASHI	JPN	2012	100 M. BACK			
2:29.49	HORVATH BANKI	HUN	2015	3:26.09	JEAN LEEMPUT	FRA	2014
2:33.97	ALFRED SCHULHOF	CAN	2014	3:39.53	JOHN HARRISON	GBR	2014
2:43.41	JEAN LEEMPUT	FRA	2010	3:51.54	JARING TIMMERMAN	CAN	2009
2:46.68	JOHN HARRISON	GBR	2009	5:01.82	HANS HAHN	GER	2008
2:56.67	RUSS WITTE	USA	2011				
3:05.23	NORI YAMAMOTO	JPN	2005				
3:21.49	ROMAN JEZEK	CAN	2009				
200 M. BACK							
5:29.49	ALFRED SCHULHOF	CAN	2014				
6:18.51	JOHN HARRISON	GBR	2009				
7:01.87	ALFREDO CHERCHI	AUS	2002				
8:32.34	GUS LANGNER	USA	1998				
9:31.21	BILL REEDER	USA	2005				
50 M. BRST							
1:07.12	HIROMU YOSHIMOTO	JPN	2010				
1:09.34	GEORGE CORONES	AUS	2013				
1:11.36	ALFRED SCHULHOF	CAN	2014				
1:13.72	RUSS WITTE	USA	2011				
1:22.80	KAZUNAGA AKUTSU	JPN	2007				
1:28.78	HORVATH BANKI	HUN	2015				
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				
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				