



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

WOMEN 25-29

50 M. FREE		
25.42 ANNABEL KOSTEN	NED	2004
25.73 EMMA GAGE	GBR	2015
26.16 TATIANA BARBOSA	BRA	2007
26.20 ALISON SHEPPARD	GBR	1998
26.38 RIENEKE TERINK	NED	2013
26.47 JENNIFER THATER	GER	2015
26.56 MOTOMI NAKAMURA	JPN	2013
26.61 SANDRA KAZIKOVA	CZE	2005
26.64 MARIE BALLENGER	USA	2015
26.68 SARA SHAND	USA	1991
100 M. FREE		
56.87 TATIANA BARBOSA	BRA	2007
56.96 EMMA GAGE	GBR	2015
57.70 LAURA FERNANDEZ	ESP	2015
57.71 AIMEE RAMM	GBR	2008
57.76 SHEILA TAORMINA	USA	1995
58.22 ALISON SHEPPARD	GBR	1998
58.23 SARA SHAND	USA	1991
58.59 HITOMI MATSUDA	JPN	2006
58.65 SVETLANA KARPEEVA	RUS	2014
58.65 CAROLINE KILIAN	USA	2006
200 M. FREE		
2:02.06 SHEILA TAORMINA	USA	1996
2:02.44 RACHEL KOMISARZ	USA	2001
2:04.56 MEGAN JENDRICK	USA	2010
2:05.79 CAROLINE SAXBY	GBR	2012
2:06.37 KIM VAN KRUYSEN	BEL	2000
2:06.40 NADINE REICHERT	GER	2009
2:06.63 ANNA POLYAKOVA	RUS	2015
2:06.81 HITOMI MATSUDA	JPN	2005
2:07.08 SOPHIE CASSON	GBR	2011
2:07.11 SARA L SHAND	USA	1989
400 M. FREE		
4:13.03 SHEILA TAORMINA	USA	1996
4:16.31 RACHEL KOMISARZ	USA	2001
4:18.62 SOPHIE CASSON	GBR	2011
4:21.89 SWANN OBERSON	GER	2012
4:23.81 NADINE REICHERT	GER	2009
4:24.11 SILVIA VIDA	GER	2003
4:26.63 KIM VAN KRUYSEN	BEL	2000
4:27.53 SARA L SHAND	USA	1989
4:28.30 HITOMI MATSUDA	JPN	2006
4:29.96 JENNY WACHSMUTH	GER	2014
800 M. FREE		
8:45.89 SWANN OBERSON	GER	2012
8:47.44 RACHEL KOMISARZ	USA	2001
8:51.48 NADINE REICHERT	GER	2009
8:52.65 SOPHIE CASSON	GBR	2011
8:53.93 K.BISHOP	AUS	1989
9:15.29 PAULA WOOD	GBR	2007
9:17.09 MARIT BLOMER	GER	2009
9:17.97 JENNY WACHSMUTH	GER	2014
9:18.43 SARA L SHAND	USA	1989
9:18.74 MARY HOLMES	USA	1988
1500 M. FREE		
16:34.89 SWANN OBERSON	GER	2012
16:39.77 RACHEL KOMISARZ	USA	2001
16:53.78 SOPHIE CASSON	GBR	2011
17:26.88 PAULA WOOD	GBR	2007
17:27.96 SHEILA TAORMINA	USA	1995
17:38.09 S. PALMER-WHITE	AUS	1991
17:38.78 AMY POPE	USA	1988
17:41.64 LINDA GALLO	USA	2004
17:50.23 AMY LEPPING	USA	1987
17:54.78 HITOMI MATSUDA	JPN	2005
50 M. BACK		
28.99 YURIE OGA	JPN	2014

29.60 MAI NAKAMURA	JPN	2008
30.01 ANJA VAN DER HOUT	NED	2015
30.27 IRYNA BOLSHAKOVA	UKR	2011
30.27 ELENA PYATOVA	RUS	2008
30.42 OLGA KLYUCHNIKOVA	RUS	2015
30.43 AKIKO MIZUMOTO	JPN	2008
30.51 SVETLANA KARPEEVA	RUS	2012
30.52 NAHOMI ERIGUCHI	JPN	2004
30.73 KAORU ONO	JPN	1998
100 M. BACK		
1:03.26 YURIE OGA	JPN	2014
1:04.82 AKIKO MIZUMOTO	JPN	2007
1:04.88 KANA OHASHI	JPN	2007
1:05.02 ALISON SHEPPARD	GBR	1998
1:05.78 ELENA PYATOVA	RUS	2008
1:06.08 ANJA VAN DER HOUT	NED	2015
1:06.13 OLGA KLYUCHNIKOVA	RUS	2015
1:06.13 KAORU ONO	JPN	1998
1:06.37 LIA OBERSTAR	USA	2004
1:06.44 KELLY HARRIGAN	USA	2011
200 M. BACK		
2:17.30 KANA OHASHI	JPN	2007
2:17.56 SOPHIE CASSON	GBR	2011
2:19.97 DIANE GRANER	USA	1989
2:20.76 MONIQUE RODAHL	NZL	1989
2:20.88 ALISON SHEPPARD	GBR	1998
2:22.41 LIA OBERSTAR	USA	2004
2:24.15 PAMELA HANSON	USA	2005
2:24.90 MARIANGEL HIDALGO	CRC	2014
2:25.78 F.ALVARENGA	BRA	2012
2:25.98 J.ADAMS	GBR	1987
50 M. BRST		
31.60 MEGAN JENDRICK	USA	2010
32.01 S.SEMINATORE	ITA	1989
32.03 ANNA KUZMICHEVA	RUS	2015
32.65 NICOLE HEIDEMANN	GER	2009
32.75 YOSHIMI MIWA	JPN	2012
32.79 MANUELA NACKEL	GER	2000
32.83 SONJA SCHOBER	GER	2012
33.35 ANN GREVERS	USA	2014
33.39 MARIE BALLENGER	USA	2014
33.51 SUVI PULKKINEN	FIN	2015
100 M. BRST		
1:10.56 MEGAN JENDRICK	USA	2010
1:12.09 BRIGITTE BECUE	BEL	2000
1:12.37 NICOLE HEIDEMANN	GER	2011
1:12.65 HITOMI MATSUDA	JPN	2006
1:13.15 MANUELA NACKEL	GER	1999
1:13.19 KATIE HENDERSON	GBR	2009
1:13.30 BRITTA O'LEARY	USA	2012
1:13.56 ULRIKE GERNER	GER	2012
1:13.80 SUSANNE HOCK	GER	2012
1:14.13 LARISSA BRAK	NED	2015
200 M. BRST		
2:35.46 HITOMI MATSUDA	JPN	2006
2:35.82 NICOLE HEIDEMANN	GER	2009
2:37.68 ULRIKE GERNER	GER	2012
2:37.68 KATIE HENDERSON	GBR	2009
2:38.22 KATJA BRASCHOS	GER	2006
2:39.40 BRITTA O'LEARY	USA	2012
2:40.10 MARISSA CLAPP	USA	2015
2:40.43 DARYA BELOVA	RUS	2015
2:42.02 SHARRON DAVIES	GBR	1990
2:42.55 CAMILLE MARCHAND	FRA	2013
50 M. FLY		
27.10 EMMA GAGE	GBR	2015
27.28 YUKA KATO	JPN	2015
27.29 ANNA POLYAKOVA	RUS	2015
27.46 V.VLADYKINA	RUS	2015
27.55 ELZANNE WERTH	RSA	2015
27.63 MOTOMI NAKAMURA	JPN	2013

27.90 LINDA LUND TIETZE	DEN	2010
27.98 DARYA BELOVA	RUS	2015
28.09 MARJA PARSSINEN	FIN	1997
28.14 YUKO NAKANISHI	JPN	2010
100 M. FLY		
59.99 ANNA POLYAKOVA	RUS	2015
1:01.04 RACHEL KOMISARZ	USA	2001
1:01.93 EMMA GAGE	GBR	2015
1:02.10 B.STUDZINSKI	GER	2014
1:02.73 YUKO NAKANISHI	JPN	2010
1:03.18 SHELLY JOHNSTON	USA	2006
1:03.29 HITOMI MATSUDA	JPN	2006
1:03.43 SAYO TSUCHIYA	JPN	2014
1:03.47 MAYU MURAKAMI	JPN	2008
1:03.63 EMILY MILAK	USA	2011
200 M. FLY		
2:16.82 KIM VAN KRUYSEN	BEL	2000
2:17.51 SHEILA TAORMINA	USA	1996
2:17.56 YUKO NAKANISHI	JPN	2010
2:18.69 S.PALMERWHITE	AUS	1992
2:18.80 CHIZUKO UMIGUCHI	JPN	1997
2:20.72 HELEN SLATTER	GBR	1996
2:21.27 HITOMI MATSUDA	JPN	2006
2:21.57 JENNY WACHSMUTH	GER	2014
2:22.10 ERIKO KATO	JPN	2009
2:22.39 PRISCILLA MODROV	USA	2013
200 M. I.M.		
2:19.65 MARGOT JANDEL	GER	2003
2:20.71 HITOMI MATSUDA	JPN	2005
2:21.84 SVETLANA KARPEEVA	RUS	2012
2:21.98 ALLISON WAGNER	USA	2005
2:22.00 SHARRON DAVIES	GBR	1990
2:22.57 B.STUDZINSKI	GER	2014
2:22.89 MONIQUE RODAHL	NZL	1989
2:22.92 BRITTA O'LEARY	USA	2013
2:23.76 ALISON SHEPPARD	GBR	1998
2:24.65 MARION BLANCHARD	FRA	2012
400 M. I.M.		
5:02.78 HITOMI MATSUDA	JPN	2006
5:04.80 ANNA SPIETZACK	GER	2015
5:05.29 SHARRON DAVIES	GBR	1990
5:06.34 SARA L SHAND	USA	1989
5:07.04 MARIANGEL HIDALGO	CRC	2014
5:07.27 MAREN SPIETZACK	GER	2015
5:07.87 MARISSA CLAPP	USA	2015
5:08.31 ADRIENNE BROWN	USA	2013
5:08.47 JENNY WACHSMUTH	GER	2014
5:08.54 ERIKO KATO	JPN	2009

WOMEN 30-34

50 M. FREE		
25.74 MARTINA MORAVCOVA	USA	2009
25.99 TONI JEFFS	NZL	2002
26.02 IRINA SHLEMOVA	RUS	2015
26.12 S.KNYAGININA	RUS	2015
26.18 KATRINA RADKE	USA	2004
26.25 ANGEL MARTINO	USA	2000
26.37 S.NEILSON-BELL	USA	1988
26.38 PEGGY GROSS	USA	2002
26.46 KATJA OTTO	GER	2014
26.47 RUTH JONES	USA	2013
100 M. FREE		
55.24 ERIKA ERNDL	USA	2009
55.62 MARTINA MORAVCOVA	USA	2008
57.09 ANGEL MARTINO	USA	2000
57.65 IRINA SHLEMOVA	RUS	2015
58.01 PASCALE VERBAUWEN	BEL	1993
58.09 SANDY NEILSON	USA	1988
58.20 HITOMI MATSUDA	JPN	2010



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58.25	KATJA OTTO	GER	2014	2:17.73	KARLYN PIPES	USA	1996	2:22.57	HIDEKA KOSHIMIZU	JPN	1995
58.30	KATY SEXTON	GBR	2012	2:18.05	KANA YAMAGUCHI	JPN	2012	2:23.26	MARTIE MC KINNEY	USA	1995
58.37	RUTH JONES	USA	2013	2:21.26	DIANE GALLAS	USA	1996	2:23.35	MELISSA VARLAS	USA	2005
200 M. FREE				2:22.52	JOANNA CORBEN	GBR	2002	2:23.39	L. CARVALHO	AUS	2011
2:04.05	DAWN HECKMAN	USA	2011	2:23.47	DAPHNE FUCHS	GER	1993	200 M. I.M.			
2:04.62	HITOMI MATSUDA	JPN	2009	2:24.09	JO SWATTON	GBR	2001	2:13.89	ERIKA ERNDL	USA	2009
2:05.91	CAROLINE SAXBY	AUS	2013	2:24.25	MEGAN MELGAARD	USA	2012	2:19.28	HITOMI MATSUDA	JPN	2010
2:06.80	KARLYN PIPES	USA	1996	2:25.67	GITTE RAAGAARD	DEN	2004	2:21.28	N.VINOKURENKOVA	RUS	2013
2:06.91	MEGAN MELGAARD	USA	2012	2:26.56	ORIANA BURGIO	ITA	2010	2:23.12	KARLYN PIPES	USA	1996
2:07.84	BETH KNIGHT	USA	1989	50 M. BRST				2:23.50	SARABETH METZGER	USA	2009
2:07.87	KATJA TROSIEN	GER	2007	32.22	NICOLE HEIDEMANN	GER	2013	2:24.12	NADINE DAY	USA	2004
2:08.05	VERENA KLOCKER	AUT	2015	32.40	N.VINOKURENKOVA	RUS	2015	2:25.90	WENKE HANSEN	USA	2000
2:08.26	ANGEL MARTINO	USA	2000	32.42	HITOMI MATSUDA	JPN	2009	2:26.17	YVETTA HLAVACOVA	CZE	2005
2:08.29	KIRSTEN CAMERON	NZL	2007	32.77	YUKO SAKAGUCHI	JPN	2009	2:26.21	KATJA OTTO	GER	2014
400 M. FREE				33.20	KATIE MCCLELLAND	USA	2008	2:26.41	HIDEKA KOSHIMIZU	JPN	1995
4:18.63	DAWN HECKMAN	USA	2011	33.32	LAURA HOLT	USA	2014	400 M. I.M.			
4:25.60	HITOMI MATSUDA	JPN	2008	33.57	SUSANNE HOCK	GER	2014	4:56.08	HITOMI MATSUDA	JPN	2009
4:26.50	MEGAN MELGAARD	USA	2012	33.66	ISABEL FIGUEIRA	POR	2009	5:02.23	N.VINOKURENKOVA	RUS	2014
4:27.11	CAROLINE SAXBY	AUS	2013	33.84	WENKE HANSEN	USA	1999	5:03.97	KARLYN PIPES	USA	1996
4:27.11	KIRSTEN CAMERON	NZL	2007	33.92	LAURA GLASS	USA	2010	5:05.05	HIDEKA KOSHIMIZU	JPN	1995
4:28.33	PILAR GEIJO	ARG	2014	100 M. BRST				5:09.93	NADINE DAY	USA	2004
4:28.76	KARLYN PIPES	USA	1996	1:10.10	HITOMI MATSUDA	JPN	2009	5:09.95	A.JANITZKI	GER	2010
4:30.38	BETH L KNIGHT	USA	1991	1:11.49	N.VINOKURENKOVA	RUS	2015	5:11.39	KAREN BURTON	USA	1992
4:31.47	VERENA KLOCKER	AUT	2015	1:11.98	NICOLE HEIDEMANN	GER	2013	5:13.97	SUSAN PORTER	USA	1994
4:31.82	KELLY HIGGINS	AUS	2011	1:13.29	KATIE MCCLELLAND	USA	2008	5:14.75	ANNE VELEZ	FRA	2010
800 M. FREE				1:13.32	SUSANNE HOCK	GER	2014	5:15.13	SANDIE EASTON	USA	2002
8:46.47	DAWN HECKMAN	USA	2011	1:14.32	ULRIKE GERNER	GER	2013	*****			
9:13.22	KIRSTEN CAMERON	NZL	2007	1:14.53	WENKE HANSEN	USA	1999	WOMEN 35-39			
9:16.82	LYNN MARSHALL	CAN	1992	1:14.95	ISABEL FIGUEIRA	POR	2009	*****			
9:17.54	YVETTA HLAVACOVA	CZE	2005	1:15.18	A.JANITZKI	GER	2010	50 M. FREE			
9:19.96	SUSAN PORTER	USA	1994	1:15.18	YUKO SAKAGUCHI	JPN	2009	25.98	DARA TORRES	USA	2006
9:20.20	BETH L KNIGHT	USA	1991	200 M. BRST				26.53	EDITH OTTERMANN	RSA	2004
9:21.60	KELLY HIGGINS	AUS	2011	2:28.93	HITOMI MATSUDA	JPN	2009	26.63	EKATERINA YUDINA	RUS	2013
9:22.73	KAREN BURTON	USA	1996	2:35.90	N.VINOKURENKOVA	RUS	2014	26.65	ERIKA BRAUN	USA	2011
9:23.06	BROOKE BENNETT	USA	2012	2:39.37	SUSANNE HOCK	GER	2014	26.66	TRACIE MOLL	USA	1999
9:23.57	SUSANNE KELLER	SUI	2012	2:39.71	NICOLE HEIDEMANN	GER	2013	26.68	S.NEILSON-BELL	USA	1996
1500 M. FREE				2:40.90	A.JANITZKI	GER	2010	26.78	NORIKO INADA	USA	2014
17:11.25	HEIDI GEORGE	USA	2009	2:41.51	WENKE HANSEN	USA	1999	26.78	SANDRA KAZIKOVA	CZE	2012
17:32.48	DAWN HECKMAN	USA	2008	2:41.63	KATIE MCCLELLAND	USA	2008	26.85	PEGGY GROSS	USA	2004
17:38.70	KAREN BURTON	USA	1996	2:41.72	ULRIKE GERNER	GER	2013	27.05	OLESYA BOUROVA	ITA	2014
17:43.52	KIRSTEN CAMERON	NZL	2007	2:42.12	KATIE HENDERSON	GBR	2012	100 M. FREE			
17:48.42	YUREMA REQUENA	ESP	2014	2:44.61	CYNTHIA LEWIN	USA	2009	58.22	LAURA ROCA	ESP	2015
17:48.44	K.PIPES-NEILSEN	USA	1996	50 M. FLY				58.87	HITOMI MATSUDA	JPN	2012
17:48.60	LISA HAZEN	USA	1996	27.48	MARTINA MORAVCOVA	USA	2009	58.87	S.NEILSON-BELL	USA	1995
17:53.12	BROOKE BENNETT	USA	2012	27.59	ANGEL MARTINO	USA	2000	58.94	BETH KNIGHT	USA	1994
17:53.28	HITOMI MATSUDA	JPN	2007	27.61	NORIKO INADA	USA	2012	59.16	SHERI HART	USA	2006
17:55.58	BETH L KNIGHT	USA	1991	27.73	NADINE ROLLAND	CAN	2008	59.20	TRACIE MOLL	USA	1999
50 M. BACK				28.04	IRINA SHLEMOVA	RUS	2015	59.21	K.PIPES-NEILSEN	USA	1997
28.57	NORIKO INADA	USA	2012	28.06	S.KNYAGININA	RUS	2015	59.26	MEGAN OESTING	USA	2009
28.95	MAI NAKAMURA	JPN	2009	28.15	ANGELA TAVERNIER	FRA	2014	59.29	M DRUECKHAMMER	USA	2002
29.55	MARTINA MORAVCOVA	USA	2009	28.25	RUTH JONES	USA	2013	59.42	OLESYA BOUROVA	ITA	2014
29.70	KANA OHASHI	JPN	2009	28.38	MABI TSUKIOKA	JPN	2009	200 M. FREE			
29.84	KATY SEXTON	GBR	2013	28.40	PAULINE GOUWENS	NED	2015	2:06.62	K PIPES-NEILSEN	USA	1998
30.32	KANA YAMAGUCHI	JPN	2011	100 M. FLY				2:07.64	SHEILA TAORMINA	USA	2006
30.45	NADINE ROLLAND	CAN	2008	58.81	MARTINA MORAVCOVA	USA	2008	2:07.99	HITOMI MATSUDA	JPN	2012
30.65	IVANA GABRILO	SUI	2014	1:00.03	ANGEL MARTINO	USA	2000	2:08.71	TRACIE MOLL	USA	1999
30.82	NAHOMI SHIRATA	JPN	2006	1:01.19	L. CARVALHO	AUS	2010	2:08.75	KIRSTEN CAMERON	NZL	2009
30.94	DIANE GALLAS	USA	1996	1:01.79	HITOMI MATSUDA	JPN	2009	2:08.93	CLAUDIA POLL	CRC	2010
100 M. BACK				1:03.93	TRACIE MOLL	USA	1998	2:08.93	BETH KNIGHT	USA	1994
1:01.78	NORIKO INADA	USA	2011	1:04.06	VERENA KLOCKER	AUT	2015	2:09.33	SUSAN HALFACRE	USA	1988
1:03.30	KATY SEXTON	GBR	2012	1:04.08	LAURA BIANZANI	ITA	2004	2:09.70	MELANIA BUSSIÈRE	CAN	2008
1:03.78	SARABETH METZGER	USA	2009	1:04.43	KARLYN PIPES	USA	1996	2:09.77	LAURA ROCA	ESP	2015
1:04.40	KANA OHASHI	JPN	2009	1:04.51	NADINE ROLLAND	CAN	2005	400 M. FREE			
1:04.97	KELLY HARRIGAN	USA	2014	1:04.67	SARABETH METZGER	USA	2009	4:25.68	KIRSTEN CAMERON	NZL	2009
1:05.42	DIANE GALLAS	USA	1996	200 M. FLY				4:26.17	K.PIPES-NEILSEN	USA	1997
1:05.54	KARLYN PIPES	USA	1996	2:13.60	METTE JACOBSEN	DEN	2006	4:29.56	HITOMI MATSUDA	JPN	2012
1:06.63	KATIE BIRCHALL	GBR	2012	2:20.07	EVGUENIA OJOGUINA	RUS	1999	4:31.35	BETH KNIGHT	USA	1994
1:06.76	IVANA GABRILO	SUI	2014	2:20.12	KARLYN PIPES	USA	1996	4:32.57	SHEILA TAORMINA	USA	2006
1:06.81	MEGAN MELGAARD	USA	2012	2:21.24	YUKIE UBUKATA	JPN	2012	4:33.08	SUSAN HALFACRE	USA	1988
200 M. BACK				2:21.46	LAURA BIANZANI	ITA	2004	4:34.20	SUSAN PAMELIA	USA	1987
2:17.61	SARABETH METZGER	USA	2009	2:21.50	HITOMI MATSUDA	JPN	2007				

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

18:25.28	LYNN MARSHALL	CAN	2002	28.36	ERIKA BRAUN	USA	2013	57.40	MELANIE THOMAS	USA	2015
18:43.69	JANET EVANS	USA	2011	28.52	S.VON DER LIPPE	USA	2009	59.79	K.PIPES-NEILSEN	USA	2007
18:44.49	LESLEIGH MAYES	AUS	2001	28.97	ELIZABETH EMERY	USA	2002	1:00.05	M.FUZZATI	SUI	2013
50	M. BACK			29.02	EDITH OTTERMANN	RSA	2010	1:00.16	SUSAN WALSH	USA	2007
30.48	RAAKEL LUOTO	FIN	2015	29.13	SILVIA PAROCCHI	ITA	2007	1:00.23	BARBARA KEHBEIN	GER	2014
30.89	MARIA RIVERA	VEN	2013	29.24	MARIA RIVERA	VEN	2013	1:00.78	JENNIE BUCKNELL	AUS	2011
31.38	ERIKA BRAUN	USA	2015	29.29	MARIA DOELGER	USA	2003	1:00.95	BETH LUTZ KNIGHT	USA	2005
31.49	CINDY MABEE	CAN	2009	29.35	K PIPES-NEILSEN	USA	2002	1:01.03	REBECCA PERROTT	NZL	2008
31.52	GISELI PEREIRA	BRA	2013	29.40	K.RADKE GERRY	USA	2012	1:01.15	ANNA HAMMAR	SWE	2013
31.63	JODY SMITH	USA	2009	29.42	EKATERINA YUDINA	RUS	2015	1:01.19	ANETTE PHILIPSSON	SWE	2012
31.69	JUNKO NAKANO	JPN	2008	29.42	RAAKEL LUOTO	FIN	2015	200	M. FREE		
31.71	ANDREA KUTZ	GER	2013	100	M. FLY			2:10.09	K.PIPES-NEILSEN	USA	2009
31.90	MONICA SORO	ITA	2011	1:03.36	S.VON DER LIPPE	USA	2009	2:12.76	BETH LUTZ KNIGHT	USA	2005
31.95	ANA TEJEDA	DOM	2014	1:04.74	K PIPES-NEILSEN	USA	2003	2:13.17	SUZANN HEIM-BOWEN	USA	2003
100	M. BACK			1:05.33	SILVIA PAROCCHI	ITA	2007	2:13.27	ELENE JONES	USA	2009
1:06.67	RAAKEL LUOTO	FIN	2015	1:05.61	BETH BAKER	USA	2001	2:13.55	REBECCA PERROTT	NZL	2008
1:07.06	CINDY MABEE	CAN	2009	1:05.75	ERIKA BRAUN	USA	2015	2:13.85	JILL HERNANDEZ	USA	2005
1:07.21	JODY SMITH	USA	2009	1:05.80	BEVERLEY MCCARNEY	RSA	2004	2:13.87	BARBARA KEHBEIN	GER	2014
1:07.69	K PIPES-NEILSEN	USA	2003	1:06.27	LAURA VAL	USA	1992	2:14.84	SUSANNE SIMPSON	USA	2005
1:07.75	GISELI PEREIRA	BRA	2013	1:06.35	WENKE SEIDER	USA	2013	2:14.89	ELLEN REYNOLDS	USA	2013
1:08.21	SYLVIE ALLERY	FRA	2009	1:06.40	MARZENA KULIS	ITA	2007	2:15.10	M.FUZZATI	FRA	2014
1:08.32	HELEN WHITFORD	AUS	2008	1:06.41	MARIA DOELGER	USA	2003	400	M. FREE		
1:08.33	KRISTIN GARY	USA	2008	200	M. FLY			4:35.84	K.PIPES-NEILSEN	USA	2008
1:08.64	SILVIA PAROCCHI	ITA	2007	2:24.77	K PIPES-NEILSEN	USA	2003	4:37.74	ELENE JONES	USA	2009
1:08.75	JOANNA CORBEN	GBR	2012	2:24.78	S.VON DER LIPPE	USA	2006	4:39.20	SUZANN HEIM-BOWEN	USA	2003
200	M. BACK			2:25.15	SUSAN PRESTON	USA	2006	4:41.63	LYNN MARSHALL	CAN	2010
2:23.18	SILVIA PAROCCHI	ITA	2009	2:27.20	NICOLA LATY	GBR	2012	4:43.14	SUSANNE SIMPSON	USA	2008
2:23.18	JODY SMITH	USA	2009	2:29.11	KAREN HIGGISON	AUS	2009	4:44.23	C.PETERSEN	USA	2009
2:23.64	K PIPES-NEILSEN	USA	2003	2:29.37	SUSANNE SIMPSON	USA	2002	4:44.38	CLAUDIA KERN	GER	2009
2:27.11	HELEN WHITFORD	AUS	2008	2:29.81	BETH BAKER	USA	2001	4:44.49	BARBARA KEHBEIN	GER	2015
2:27.78	JOANNA CORBEN	GBR	2010	2:30.42	ANA PAULA GRILO	ESP	2009	4:45.57	JILL HERNANDEZ	USA	2005
2:28.36	KRISTIN GARY	USA	2008	2:30.47	BIRGIT LOHBERG	USA	2007	4:45.65	SUSANNA ROSEN	SWE	2009
2:30.17	ELLEN REYNOLDS	USA	2008	2:31.80	SANDIE EASTON	USA	2009	800	M. FREE		
2:30.37	GISELI PEREIRA	BRA	2012	200	M. I.M.			9:24.11	K.PIPES-NEILSEN	USA	2007
2:31.28	LISA WARD	USA	2008	2:25.03	S.VON DER LIPPE	USA	2007	9:24.53	SUZANN HEIM-BOWEN	USA	2003
2:31.34	LAURA SMITH	USA	2008	2:25.38	K PIPES-NEILSEN	USA	2003	9:36.86	ELENE JONES	USA	2008
50	M. BRST			2:25.81	LISA BLACKBURN	USA	2015	9:40.27	LYNN MARSHALL	CAN	2008
32.32	LINLEY FRAME	AUS	2013	2:29.80	CAROLINE KRATTLI	USA	2002	9:40.64	CLAUDIA KERN	GER	2009
33.25	S.VON DER LIPPE	USA	2006	2:30.25	CLAUDIA POLL	CRC	2014	9:43.99	SUSANNA ROSEN	SWE	2009
33.44	S.BONDARENKO	UKR	2011	2:30.33	HELEN GORMAN	GBR	2014	9:45.99	REBECCA PERROTT	NZL	2008
33.79	CAROLINE KRATTLI	USA	2002	2:30.33	SHEILA TRELEAVEN	CAN	2014	9:46.88	SUSANNE SIMPSON	USA	2008
33.86	LISA BLACKBURN	USA	2013	2:30.70	WENKE SEIDER	USA	2013	9:47.56	MARGE CURRAN	USA	2009
34.20	S.SEMINATORE	ITA	2004	2:30.89	ANA PAULA GRILO	ESP	2009	9:50.88	JILL GELLATLY	USA	2014
34.50	SARAH JAMES	AUS	2015	2:30.96	JILL HERNANDEZ	USA	2000	1500	M. FREE		
34.80	HELEN GORMAN	GBR	2015	400	M. I.M.			17:55.83	SUZANN HEIM-BOWEN	USA	2003
34.94	KAREN KEY	GBR	2014	5:09.83	K PIPES-NEILSEN	USA	2004	18:10.28	ELENE JONES	USA	2008
34.97	DAGMAR HILBIG	GER	2000	5:21.32	JILL HERNANDEZ	USA	2000	18:12.63	LYNN MARSHALL	CAN	2009
100	M. BRST			5:21.42	LISA BLACKBURN	USA	2014	18:40.27	LAURIE HUG	USA	2012
1:11.31	LINLEY FRAME	AUS	2013	5:21.87	MARZENA KULIS	ITA	2006	18:44.29	K.PIPES-NEILSEN	USA	2008
1:13.34	S.VON DER LIPPE	USA	2006	5:21.95	VALERIA VERGANI	ITA	2012	18:54.47	MAITE GARCIA	ESP	2011
1:13.55	CYNTHIA LEWIS	USA	2015	5:22.96	ANA PAULA GRILO	ESP	2009	18:55.86	JILL GELLATLY	USA	2012
1:13.82	CAROLINE KRATTLI	USA	2002	5:24.50	ANGELA DELISSEN	GER	2008	19:04.36	NORMA CAHILL	IRL	2013
1:14.12	S.BONDARENKO	UKR	2012	5:24.89	NADINE DAY	USA	2010	19:07.99	PAMELA NIX	AUS	2012
1:14.15	LISA BLACKBURN	USA	2014	5:25.78	SHEILA TRELEAVEN	CAN	2014	19:09.53	N.MUIR-COCHRANE	GBR	2009
1:14.71	HELEN GORMAN	GBR	2014	5:26.35	HELEN WHITFORD	AUS	2008	50	M. BACK		
1:14.90	MARZENA KULIS	ITA	2006	*****				31.35	CINDY MABEE	CAN	2014
1:15.83	H.MORRIS-EYTON	RSA	2010	*****				31.71	ELLEN REYNOLDS	USA	2012
1:16.81	DAGMAR HILBIG	GER	2000	*****				31.71	VALERIE JENKINS	USA	2008
200	M. BRST			*****				31.85	SUSAN WALSH	USA	2007
2:38.44	S.VON DER LIPPE	USA	2006	50	M. FREE			31.94	SYLVIE ALLERY	FRA	2014
2:40.76	H.MORRIS-EYTON	RSA	2010	26.59	EDITH OTTERMANN	RSA	2011	31.99	LESLIE LIVINGSTON	USA	2009
2:40.86	LINLEY FRAME	AUS	2014	27.04	M.FUZZATI	SUI	2013	32.02	FALL WILLEBOORDSE	USA	2013
2:42.06	CAROLINE KRATTLI	USA	2002	27.09	MELANIE THOMAS	USA	2015	32.08	SHIZUKO HIRAISHI	JPN	2009
2:42.90	HELEN GORMAN	GBR	2014	27.26	JENNIE BUCKNELL	AUS	2012	32.10	K.PIPES-NEILSEN	USA	2007
2:43.17	MARZENA KULIS	ITA	2006	27.44	SUSAN WALSH	USA	2007	32.14	FRANCA BOSISIO	ITA	2014
2:44.44	LISA BLACKBURN	USA	2013	27.67	FALL WILLEBOORDSE	USA	2011	100	M. BACK		
2:49.37	WENKE SEIDER	USA	2011	27.68	ANETTE PHILIPSSON	SWE	2012	1:08.11	CINDY MABEE	CAN	2015
2:49.46	KAREN KEY	GBR	2014	27.76	BRIGITTE HEUER	USA	2006	1:08.11	K.PIPES-NEILSEN	USA	2009
2:49.95	KEIKO OKAMOTO	JPN	2009	27.78	JUNKO NAKANO	JPN	2011	1:08.55	ELLEN REYNOLDS	USA	2010
2:49.95	DAGMAR HILBIG	GER	1999	27.78	BETH LUTZ KNIGHT	USA	2005	1:08.82	KRISTIN GARY	USA	2014
50	M. FLY			100	M. FREE			1:09.20	SYLVIE ALLERY	FRA	2014



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1:09.39	JOANNA CORBEN	GBR	2015	1:07.97	SILVIA PAROCCHI	ITA	2012	400 M. FREE			
1:09.41	SILVIA PAROCCHI	ITA	2012	200 M. FLY				4:40.66	JILL HERNANDEZ	USA	2013
1:09.51	FALL WILLEBOORDSE	USA	2013	2:24.34	K.PIPES-NEILSEN	USA	2009	4:41.19	LYNN MARSHALL	CAN	2011
1:09.66	SUSAN WALSH	USA	2007	2:30.37	FRANCA BOSISIO	ITA	2014	4:42.37	S.HEIM-BOWEN	USA	2008
1:10.64	M.FUZZATI	FRA	2014	2:31.37	LAURA VAL	USA	1998	4:47.34	MAITE GARCIA	ESP	2015
200 M. BACK				2:32.07	SUSANNE SIMPSON	USA	2006	4:47.93	LAURA VAL	USA	2002
2:26.06	K.PIPES-NEILSEN	USA	2009	2:32.38	TERESA GARCIA	ESP	2010	4:48.62	ENEY JONES	USA	2010
2:27.86	JOANNA CORBEN	GBR	2015	2:32.59	S. PALMER-WHITE	AUS	2009	4:50.37	JENNY WHITELEY	AUS	2008
2:29.68	ELLEN REYNOLDS	USA	2013	2:33.37	LYNN MARSHALL	CAN	2006	4:50.61	C.PETERSEN	USA	2015
2:30.68	STEPHANIE STONE	USA	2015	2:34.03	PAMELA NIX	AUS	2012	4:51.07	BARBARA GELLRICH	GER	2011
2:31.07	SILVIA PAROCCHI	ITA	2012	2:34.05	ANDREA BLOCK	USA	2006	4:51.73	SHANE GOULD	AUS	2008
2:31.93	LISA WARD	USA	2009	2:35.32	ARLENE DELMAGE	USA	2007	800 M. FREE			
2:32.08	KRISTIN GARY	USA	2014	200 M. I.M.				9:38.04	LYNN MARSHALL	CAN	2011
2:32.12	HELEN WHITFORD	AUS	2012	2:27.57	K.PIPES-NEILSEN	USA	2008	9:48.81	S.HEIM-BOWEN	USA	2008
2:33.51	SALLY BELL	AUS	2007	2:28.42	WENKE SEIDER	USA	2014	9:52.55	LAURA VAL	USA	2002
2:34.26	CINDY MABEE	CAN	2015	2:31.88	MARZENA KULIS	ITA	2009	9:54.50	MAITE GARCIA	ESP	2015
50 M. BRST				2:31.95	REBECCA PERROTT	NZL	2008	9:59.18	MARGEE CURRAN	USA	2013
33.66	S.VON DER LIPPE	USA	2010	2:32.43	BARBARA KEHBEIN	GER	2014	9:59.85	NORMA CAHILL	IRL	2015
33.98	CAROLINE KRATTLI	USA	2007	2:32.46	JILL HERNANDEZ	USA	2005	10:01.61	LAURIE HUG	USA	2015
34.05	MARZENA KULIS	ITA	2009	2:32.58	ELLEN REYNOLDS	USA	2012	10:02.92	TRIN CAMPBELL	USA	2014
34.20	MONICA CORO	ITA	2011	2:34.10	CAROLINE KRATTLI	USA	2007	10:05.05	SHANNON MCINTYRE	USA	2015
34.74	MAGGIE KELLY	GBR	2001	2:34.17	ANETTE PHILIPSSON	SWE	2010	10:05.22	JEANNE CARLSEN	CAN	2012
35.12	ALBENA POPOVA	ITA	2009	2:34.18	SILVIA PAROCCHI	ITA	2012	1500 M. FREE			
35.18	ANNA HAMMAR	SWE	2013	400 M. I.M.				18:29.28	LYNN MARSHALL	CAN	2011
35.60	KIM CROUCH	USA	2008	5:13.85	K.PIPES-NEILSEN	USA	2008	18:32.76	S.HEIM-BOWEN	USA	2008
35.64	SABINA VITALONI	ITA	2015	5:23.69	ELLEN REYNOLDS	USA	2013	19:01.37	ENEY JONES	USA	2010
35.69	FALL WILLEBOORDSE	USA	2011	5:27.67	JILL HERNANDEZ	USA	2005	19:03.05	NORMA CAHILL	IRL	2015
100 M. BRST				5:27.86	REBECCA PERROTT	NZL	2008	19:08.69	LAURA VAL	USA	2001
1:13.49	MARZENA KULIS	ITA	2009	5:29.68	MARZENA KULIS	ITA	2009	19:13.59	JEANNE CARLSEN	CAN	2010
1:14.41	S.VON DER LIPPE	USA	2010	5:30.74	STEPHANIE STONE	USA	2013	19:15.10	LAURIE HUG	USA	2015
1:15.65	CAROLINE KRATTLI	USA	2007	5:32.02	HELEN WHITFORD	AUS	2012	19:19.98	DENISE BROWN	USA	2009
1:15.95	WENKE SEIDER	USA	2014	5:32.27	JILL GELLATLY	USA	2014	19:35.54	ANDREA BLOCK	USA	2011
1:17.16	MONICA CORO	ITA	2011	5:32.69	ANGELA DELISSEN	GER	2012	19:37.26	JENNY WHITELEY	AUS	2008
1:18.19	MAGGIE KELLY	GBR	2001	5:33.11	LYNN MARSHALL	CAN	2009	50 M. BACK			
1:18.21	ANNA HAMMAR	SWE	2013					32.02	M.FUZZATI	FRA	2015
1:19.07	LAURA MOLINARI	ITA	2015	*****				32.41	LESLIE LIVINGSTON	USA	2013
1:19.08	H.MORRIS-EYTON	RSA	2013	*****	WOMEN 50-54			32.50	ELLEN REYNOLDS	USA	2014
1:19.18	SABINA VITALONI	ITA	2015	*****				32.87	J SWAGERTY-HILL	USA	2002
200 M. BRST				50 M. FREE				33.01	S.ZHIGUNOVA	RUS	2015
2:40.42	MARZENA KULIS	ITA	2009	27.09	M.FUZZATI	FRA	2015	33.26	K.ANDRUS-HUGHES	USA	2007
2:43.73	H.MORRIS-EYTON	RSA	2013	27.79	ANETTE PHILIPSSON	SWE	2015	33.30	HIROKO NOGUCHI	JPN	2015
2:45.20	CAROLINE KRATTLI	USA	2007	28.22	LAURA VAL	USA	2001	33.34	VALERIE JENKINS	USA	2013
2:48.13	WENKE SEIDER	USA	2014	28.25	JENNY WHITELEY	AUS	2009	33.41	SHIZUKO HIRAISHI	JPN	2012
2:50.94	CLAUDIA KERN	GER	2009	28.41	SARAH MACDONALD	CAN	2010	33.45	BONNIE BILICH	USA	2009
2:51.02	JUDIT HAJDU	AUT	2007	28.41	ANGELA ZINGLER	GER	2005	100 M. BACK			
2:53.27	K.PIPES-NEILSEN	USA	2008	28.46	DANIELA DE PONTI	ITA	2015	1:09.28	ELLEN REYNOLDS	USA	2014
2:53.69	LAURA MOLINARI	ITA	2015	28.46	JACKI HIRSTY	USA	2003	1:11.00	M.FUZZATI	FRA	2015
2:54.07	SABINA VITALONI	ITA	2015	28.54	MARIA NORBERG	SWE	2014	1:11.78	K.PIPES-NEILSEN	USA	2012
2:54.17	MONICA CORO	ITA	2011	28.55	KATHY GARNIER	USA	2010	1:12.69	ANETTE PHILIPSSON	SWE	2015
50 M. FLY				100 M. FREE				1:13.55	K.ANDRUS-HUGHES	USA	2008
28.97	EDITH OTTERMANN	RSA	2011	1:00.42	M.FUZZATI	FRA	2015	1:13.76	BONNIE BILICH	USA	2009
29.04	WENKE SEIDER	USA	2014	1:01.13	LAURA VAL	USA	2001	1:13.89	CATHY SHEEHAN	CAN	2010
29.12	S.VON DER LIPPE	USA	2010	1:01.51	ANETTE PHILIPSSON	SWE	2015	1:14.15	JANIS SHIRRIFF	CAN	2012
29.37	LAURIE DITOMMASO	USA	2009	1:02.08	LIZ DILLMANN	USA	2015	1:14.19	KAREN HUMPHREYS	USA	2005
29.52	K.PIPES-NEILSEN	USA	2008	1:02.31	S.HEIM-BOWEN	USA	2008	1:14.25	VALERIE JENKINS	USA	2013
29.57	LISA DAHL	USA	2009	1:02.49	DANIELA DE PONTI	ITA	2015	200 M. BACK			
29.74	LESLIE LIVINGSTON	USA	2009	1:02.95	SARAH MACDONALD	CAN	2010	2:26.64	ELLEN REYNOLDS	USA	2014
29.82	SUSAN WILLIAMS	USA	2015	1:02.95	SHANE GOULD	AUS	2008	2:33.03	LYNN MARSHALL	CAN	2011
29.84	SUSAN WALSH	USA	2007	1:02.99	JILL HERNANDEZ	USA	2011	2:35.55	K.PIPES-NEILSEN	FRA	2012
29.89	ANNA HAMMAR	SWE	2013	1:03.27	S.REIBEL-OBERLE	GER	2014	2:37.11	NAOKO SHIDE	JPN	2010
29.89	SHIZUKO HIRAISHI	JPN	2008	200 M. FREE				2:39.40	BONNIE BILICH	USA	2009
100 M. FLY				2:13.18	JILL HERNANDEZ	USA	2013	2:39.56	M.FUZZATI	FRA	2015
1:04.96	WENKE SEIDER	USA	2014	2:15.00	S.HEIM-BOWEN	USA	2008	2:41.59	CATHY SHEEHAN	CAN	2010
1:05.69	K.PIPES-NEILSEN	USA	2008	2:15.06	LIZ DILLMANN	USA	2015	2:41.88	C.PETERSEN	USA	2015
1:06.42	ARLENE DELMAGE	USA	2008	2:15.37	LAURA VAL	USA	2001	2:42.59	JANIS SHIRRIFF	CAN	2014
1:06.65	BIRGIT LOHBERG	USA	2010	2:16.01	MAITE GARCIA	ESP	2015	2:42.74	LISA WARD	USA	2014
1:06.91	FRANCA BOSISIO	ITA	2014	2:16.52	JENNY WHITELEY	AUS	2009	50 M. BRST			
1:07.18	NATALIYA MATVEEVA	RUS	2010	2:17.53	ENEY JONES	USA	2010	34.18	MONICA CORO	ITA	2012
1:07.30	JILL HERNANDEZ	USA	2005	2:17.65	LYNN MARSHALL	CAN	2011	35.42	JENNY WHITELEY	AUS	2009
1:07.62	SHIZUKO HIRAISHI	JPN	2008	2:17.74	M.FUZZATI	FRA	2015	35.70	UTE HASSE	ESP	2015
1:07.80	BARBARA KEHBEIN	GER	2014	2:17.81	SHANE GOULD	AUS	2008	36.36	MARJA BLOEMZAAD	NED	2011



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36.40	JUDY GARAY	CAN	2014	2:39.48	NAOKO SHIDE	JPN	2010	1500 M. FREE		
36.73	JAN CLARKSON	AUS	2008	400 M. I.M.				19:14.70	LAURA VAL	USA 2007
36.90	ALBENA POPOVA	ITA	2012	5:20.68	ELLEN REYNOLDS	USA	2014	19:30.77	JEANNE CARLSEN	CAN 2013
37.02	ELKE SCHMITZ	GER	2015	5:30.32	JILL HERNANDEZ	USA	2013	19:52.61	BARBARA DUNBAR	USA 2004
37.17	SARAH MACDONALD	CAN	2014	5:32.26	LYNN MARSHALL	CAN	2011	20:03.64	JENNY WHITELEY	AUS 2013
37.25	ANETTE PHILIPSSON	SWE	2015	5:32.41	K.PIPES-NEILSEN	FRA	2012	20:06.88	CHRISTIE CIRAULO	USA 2008
100 M. BRST				5:36.45	S.REIBEL-OBERLE	GER	2014	20:15.42	MARGUERITE MEYER	USA 2014
1:15.50	MONICA CORO	ITA	2012	5:37.60	CECILIA STANFORD	RSA	2011	20:16.34	BONNIE SPIVEY	USA 2013
1:18.73	UTE HASSE	ESP	2015	5:40.27	NAOKO SHIDE	JPN	2011	20:17.30	C.TARANTINO	ITA 2010
1:19.23	JENNY WHITELEY	AUS	2009	5:42.80	LAURA VAL	USA	2002	20:31.89	S.LOFTUS-CHARLEY	USA 2010
1:19.64	MARZENA KULIS	ITA	2014	5:43.43	RIEKO SHOJI	JPN	2010	20:37.27	MARY SWEAT	USA 2015
1:21.29	JAN CLARKSON	AUS	2008	5:45.88	PIERRETTE MICHEL	BEL	2014	50 M. BACK		
1:22.13	T.PROKOFIEVA	RUS	2015	*****				33.75	LAURA VAL	USA 2010
1:22.23	CORRIN POPPS	USA	2014					34.83	BONNIE BILICH	USA 2014
1:22.58	MARJA BLOEMZAAD	NED	2013					34.91	CATHY SHEEHAN	CAN 2015
1:22.70	KATE SORENSEN	DEN	2012					35.02	K.ANDRUS-HUGHES	USA 2012
1:23.02	ELKE SCHMITZ	GER	2014					35.13	BENEDICTE DUPREZ	FRA 2006
200 M. BRST								35.49	LIZ COSGRAVE	IRL 2014
2:50.92	MONICA CORO	ITA	2012					35.55	B BARNETT-SALLEE	USA 2002
2:55.15	JENNY WHITELEY	AUS	2008					35.66	DIANE COETZEE	RSA 2013
2:55.62	MARZENA KULIS	ITA	2014					35.77	KIM BRIGHTWELL	USA 2015
2:57.58	JAN CLARKSON	AUS	2008					35.90	NAOKO SHIDE	JPN 2015
2:58.60	CORRIN POPPS	USA	2014					100 M. BACK		
2:58.67	CYNTHIA PINCOTT	CAN	2012					1:14.41	LAURA VAL	USA 2008
2:59.29	UTE HASSE	ESP	2015					1:14.42	BONNIE BILICH	USA 2014
3:01.03	KATE SORENSEN	DEN	2011					1:16.78	CATHY SHEEHAN	CAN 2015
3:02.10	MARJA BLOEMZAAD	NED	2011					1:17.21	BENEDICTE DUPREZ	FRA 2006
3:02.29	T.PROKOFIEVA	RUS	2015					1:17.51	B BARNETT-SALLEE	USA 2002
50 M. FLY								1:17.52	K.ANDRUS-HUGHES	USA 2012
30.16	DANIELA DE PONTI	ITA	2015					1:17.84	NAOKO SHIDE	JPN 2015
30.24	ANGELA ZINGLER	GER	2004					1:18.03	LINDLEY FLEURY	USA 2014
30.29	ANETTE PHILIPSSON	SWE	2015					1:18.09	ZENA COURTNEY	USA 2014
30.29	LESLIE LIVINGSTON	USA	2013					1:18.12	LEIGH RODGERS	AUS 2014
30.34	LISA DAHL	USA	2012					200 M. BACK		
30.48	NATALIYA MATVEEVA	RUS	2015					2:41.50	BONNIE BILICH	USA 2014
30.65	LAURIE DITOMMASO	USA	2013					2:46.69	NAOKO SHIDE	JPN 2015
30.69	MARIA NORBERG	SWE	2014					2:47.52	N.STEADMAN-MARTIN	USA 2009
30.72	LAURA VAL	USA	2001					2:47.98	EVIE LYNCH	USA 2008
31.00	M.FUZZATI	FRA	2015					2:49.22	COLETTE CRABBE	BEL 2013
100 M. FLY								2:49.57	ZENA COURTNEY	USA 2014
1:07.80	JILL HERNANDEZ	USA	2011					2:49.78	C.TARANTINO	ITA 2010
1:07.81	LAURA VAL	USA	2001					2:50.01	JANET MCDONOUGH	USA 2015
1:08.63	DANIELA DE PONTI	ITA	2015					2:50.46	LAURA VAL	USA 2007
1:10.11	ANDREA BLOCK	USA	2012					2:50.50	MINDY DOUGHERTY	USA 2009
1:10.19	KARLYN PIPES	USA	2014					50 M. BRST		
1:10.31	CECILIA STANFORD	RSA	2011					37.04	JENNY WHITELEY	AUS 2013
1:10.38	JUDITH HATTLE	GBR	2012					37.80	DAGMAR FRESE	GER 2014
1:10.79	S.HEIM-BOWEN	USA	2008					38.24	ALISON NYE	GBR 2012
1:11.08	MELINDA MANN	USA	2006					38.30	JAN WICKS	AUS 2001
1:11.15	LYNN MARSHALL	CAN	2011					38.33	SARAH MACDONALD	CAN 2015
200 M. FLY								38.55	COLETTE CRABBE	USA 2013
2:31.55	LAURA VAL	USA	2001					38.81	SETSUKO MATSUI	JPN 2015
2:34.93	LYNN MARSHALL	CAN	2011					38.86	TORILL BERGESEN	NOR 2013
2:36.40	MAITE GARCIA	ESP	2015					38.88	MELINDA MANN	USA 2014
2:36.81	S. PALMER-WHITE	AUS	2015					39.01	MONIKA SENFTLEBEN	GER 2001
2:37.91	S.REIBEL-OBERLE	GER	2014					100 M. BRST		
2:40.57	JUDITH HATTLE	GBR	2012					1:23.16	JENNY WHITELEY	AUS 2013
2:42.16	A.BIAGGI	ECU	2012					1:24.78	DAGMAR FRESE	GER 2014
2:43.11	JENNY COOK	USA	2008					1:25.19	LO KNAPP	USA 2009
2:43.99	CECILIA STANFORD	RSA	2012					1:25.23	COLETTE CRABBE	BEL 2013
2:44.62	MARIA HUNG	VEN	2014					1:25.86	JENNY COOK	USA 2013
200 M. I.M.								1:26.17	AMANDA HEATH	GBR 2012
2:31.81	ELLEN REYNOLDS	USA	2014					1:26.50	TORILL BERGESEN	NOR 2012
2:34.32	K.PIPES-NEILSEN	FRA	2012					1:26.90	KAREN MAREB	USA 2014
2:36.62	CECILIA STANFORD	RSA	2011					1:27.12	AVILA RHODES	CAN 2014
2:36.97	JILL HERNANDEZ	USA	2011					1:27.12	BETH ESTEL	USA 2012
2:37.90	JENNY WHITELEY	AUS	2008					200 M. BRST		
2:37.94	DANIELA DE PONTI	ITA	2015					3:02.67	JENNY WHITELEY	AUS 2013
2:38.18	ANETTE PHILIPSSON	SWE	2015					3:04.04	ESTHER ISEPPI	SUI 2013
2:38.64	LYNN MARSHALL	CAN	2011					3:04.32	LO KNAPP	USA 2009
2:39.16	S.REIBEL-OBERLE	GER	2014					3:06.72	COLETTE CRABBE	BEL 2014

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1:18.61	LAURA VACA	MEX	2014	2:42.91	YOSHIKO OSAKI	JPN	2004	3:11.77	NORIKO YOSHIDA	JPN	2009
1:18.83	CHARLOTTE DAVIS	USA	2012	2:43.03	F.WILLIAMSON	USA	2013	50 M. BRST			
1:20.34	BARBARA DUNBAR	USA	2009	2:43.36	JEN THOMASSON	AUS	2008	40.51	GIURGIZA GABRILO	CRO	2012
1:20.92	CHRISTIE CIRAULO	USA	2013	2:43.92	CELESTE MILLER	USA	2015	41.52	MONIKA SENFTLEBEN	GER	2009
1:21.27	BRIGITTE MERTEN	GER	2009	2:45.42	JACKIE MARR	USA	2008	41.69	BONNIE PRONK	CAN	2007
1:21.31	HARRIET BERGER	GER	2004	2:46.93	CHRISTIE HAYES	USA	2014	42.15	JANETTE JEFFREY	AUS	2015
1:22.78	MARILYN EARP	AUS	2010	400 M. FREE				42.78	SHOKO YONEZAWA	JPN	2002
200 M. FLY				5:27.79	CHARLOTTE DAVIS	USA	2015	42.85	ANNEROSE TROBISCH	GER	2013
2:41.03	LAURA VAL	USA	2011	5:43.10	JEN THOMASSON	AUS	2008	42.97	DIANN UUSTAL	USA	2011
2:58.64	LAURA VACA	MEX	2014	5:45.43	CELESTE MILLER	USA	2015	43.04	HANNELORE ROSE	GER	2007
3:01.50	N.MARTIN	USA	2014	5:46.27	YOSHIKO OSAKI	JPN	2003	43.21	SHIZUKA HATTORI	JPN	2011
3:05.07	BARBARA DUNBAR	USA	2009	5:46.65	JACKIE MARR	USA	2008	43.34	NOBUKO YASUDA	JPN	2010
3:09.96	ANDRA JAUNZEME	USA	2015	5:50.35	F.WILLIAMSON	USA	2013	100 M. BRST			
3:10.31	M.NEUMEISTER	GER	2012	5:51.64	BARBARA DUNBAR	USA	2015	1:30.16	GIURGIZA GABRILO	CRO	2012
3:11.07	JUNKO SATO	JPN	2014	5:53.50	CHRISTIE HAYES	USA	2014	1:32.66	JANETTE JEFFREY	AUS	2015
3:12.48	JUDY WILSON	GBR	2004	5:54.90	LAVELLE STOINOFF	USA	1998	1:33.23	NOBUKO YASUDA	JPN	2010
3:12.51	CHRISTIE CIRAULO	USA	2014	5:55.11	CAROLYN BOAK	USA	2011	1:33.69	DIANE FORD	GBR	2008
3:12.52	SUSANA BARKLEY	ESP	2006	800 M. FREE				1:34.53	BONNIE PRONK	CAN	2008
200 M. I.M.				11:31.53	CHARLOTTE DAVIS	USA	2015	1:35.34	HANNELORE ROSE	GER	2007
2:47.99	LAURA VAL	USA	2013	11:48.60	CELESTE MILLER	USA	2015	1:35.75	STELLA HOLDSHTEIN	ISR	2012
2:52.67	CHARLOTTE DAVIS	USA	2010	11:52.87	BARBARA DUNBAR	USA	2014	1:35.83	ANNEROSE TROBISCH	GER	2013
2:58.08	BRIGITTE MERTEN	GER	2006	11:53.17	JEN THOMASSON	AUS	2008	1:36.29	JOANN LEILICH	USA	2007
2:59.34	LAURA VACA	MEX	2015	11:55.93	JACKIE MARR	USA	2008	1:36.41	LUISE KNOPFLE	GER	2004
3:00.52	BONNIE PRONK	CAN	2002	12:06.31	YOSHIKO OSAKI	JPN	2003	200 M. BRST			
3:00.74	CAROLYN BOAK	USA	2006	12:09.23	CAROL WANNELL	AUS	2008	3:21.27	JANETTE JEFFREY	AUS	2015
3:00.98	KIRA MAKAROVA	RUS	2009	12:10.69	CHRISTIE HAYES	USA	2014	3:24.25	GIURGIZA GABRILO	CRO	2012
3:01.55	B.STATKEVICIENE	LTU	2013	12:11.14	MARGARETA RAINER	SWE	2014	3:24.79	NOBUKO YASUDA	JPN	2010
3:01.71	AUDREY COOPER	GBR	2015	12:13.10	F.WILLIAMSON	USA	2014	3:26.88	HANNELORE ROSE	GER	2007
3:02.24	HARRIET BERGER	GER	2004	1500 M. FREE				3:26.98	JOANN LEILICH	USA	2005
400 M. I.M.				22:28.69	BARBARA DUNBAR	USA	2014	3:27.24	DIANE FORD	GBR	2008
5:56.27	LAURA VAL	USA	2011	22:40.65	JEN THOMASSON	AUS	2008	3:27.71	LUISE KNOPFLE	GER	2004
6:08.99	CHARLOTTE DAVIS	USA	2010	23:07.49	JACKIE MARR	USA	2008	3:28.43	MASAYO AZUMA	JPN	2001
6:18.55	LAURA VACA	MEX	2015	23:17.71	MARCIA BARRY	USA	2015	3:28.49	BONNIE PRONK	CAN	2008
6:22.61	BRIGITTE MERTEN	GER	2006	23:35.49	ANN CAMPBELL	AUS	2014	3:30.95	FLORA CONNOLLY	GBR	1998
6:24.05	N.MARTIN	USA	2014	23:42.01	LAVELLE STOINOFF	USA	1998	50 M. FLY			
6:26.86	S.LOFTUS-CHARLEY	USA	2013	23:51.75	JAN CROFT	AUS	2009	34.09	DIANN UUSTAL	USA	2014
6:27.26	ANDRA JAUNZEME	USA	2015	23:52.54	RITSUKO SUGIMURA	JPN	2010	34.19	CHARLOTTE DAVIS	USA	2015
6:27.74	AUDREY COOPER	GBR	2015	23:59.99	CONNY BOER-BUYS	NED	2015	35.63	SUMIKO KOBAYASHI	JPN	2015
6:31.49	JUNKO SATO	JPN	2014	24:03.63	LINDA SHOENBERGER	USA	2012	35.77	CHRISTEL SCHULZ	GER	2006
6:33.09	HANNELORE ROSE	GER	2002	50 M. BACK				36.03	RUTH SHAPS	USA	2012
*****				36.79	CECILIA MCCLOSKEY	USA	2015	36.14	YOSHIKO KADOSAKA	JPN	2014
*****				37.11	MARGIT OHLSSON	SWE	2011	36.50	MICHIE DOI	JPN	2008
*****				37.38	CLARY MUNNS	AUS	2009	36.55	KIRA MAKAROVA	RUS	2013
*****				37.44	DIANN UUSTAL	USA	2011	36.57	BRIGITTE MERTEN	GER	2013
*****				37.54	SATOKO TAKEUJI	JPN	2009	36.86	JUDY WILSON	FRA	2009
50 M. FREE				37.59	JEANNIE JOHNSON	AUS	2013	100 M. FLY			
30.72	SANDERINA KRUGER	RSA	2015	38.17	SILVANA ABREU	BRA	2006	1:20.09	CHARLOTTE DAVIS	USA	2015
30.88	CHARLOTTE DAVIS	USA	2015	38.85	PAM HUTCHINGS	AUS	2002	1:21.86	CECILIA MCCLOSKEY	USA	2015
31.84	CAROLYN BOAK	USA	2010	39.41	JANETTE JEFFREY	AUS	2015	1:26.13	BRIGITTE MERTEN	GER	2013
32.07	JANETTE JEFFREY	AUS	2015	39.46	SANDERINA KRUGER	RSA	2015	1:26.17	CAROLYN BOAK	USA	2010
32.45	RUTH SHAPS	USA	2013	100 M. BACK				1:27.73	YOSHIKO OSAKI	JPN	2003
32.49	DIANN UUSTAL	USA	2011	1:20.95	CECILIA MCCLOSKEY	USA	2015	1:28.62	KIRA MAKAROVA	RUS	2012
32.52	CHRISTEL SCHULZ	GER	2005	1:21.81	MARGIT OHLSSON	SWE	2010	1:29.47	CLARY MUNNS	AUS	2009
32.58	CLARY MUNNS	AUS	2009	1:22.30	DIANN UUSTAL	USA	2011	1:30.11	BARBARA DUNBAR	USA	2014
32.78	BITTE AXLING	SWE	2011	1:23.61	CLARY MUNNS	AUS	2009	1:30.29	A SUSAN TYLER	USA	2013
33.02	YOSHIKO KADOSAKA	JPN	2014	1:24.67	SATOKO TAKEUJI	JPN	2007	1:30.78	JUDY WILSON	FRA	2009
100 M. FREE				1:25.86	MARIA BALLA	HUN	2009	200 M. FLY			
1:09.23	SANDERINA KRUGER	RSA	2015	1:26.39	E.KETELSEN	DEN	2010	3:21.42	CAROLYN BOAK	USA	2010
1:09.52	CHARLOTTE DAVIS	USA	2015	1:26.61	BONNIE PRONK	CAN	2008	3:28.48	KIRA MAKAROVA	RUS	2013
1:12.00	CHRISTEL SCHULZ	GER	2005	1:27.08	JULIE GUNTHERP	NZL	2012	3:29.68	DANIELA BARNEA	USA	2009
1:12.10	CAROLYN BOAK	USA	2010	1:27.47	SANDERINA KRUGER	RSA	2015	3:29.68	HANNELORE ROSE	GER	2007
1:13.05	YOSHIKO OSAKI	JPN	2004	200 M. BACK				3:30.95	BARBARA DUNBAR	USA	2015
1:13.42	F.WILLIAMSON	USA	2013	2:57.78	CECILIA MCCLOSKEY	USA	2015	3:31.05	YOSHIKO OSAKI	JPN	2005
1:13.99	AIDA DAVIS	PER	2013	3:00.24	MARGIT OHLSSON	SWE	2011	3:32.63	SILVANA ABREU	BRA	2006
1:14.01	RUTH SHAPS	USA	2012	3:00.75	DIANN UUSTAL	USA	2013	3:33.04	FLORA CONNOLLY	GBR	1998
1:14.09	CONNY BOER-BUYS	NED	2015	3:06.41	BONNIE PRONK	CAN	2008	3:33.38	HELGA REICH	GER	2002
1:14.28	JEN THOMASSON	AUS	2008	3:08.20	SATOKO TAKEUJI	JPN	2007	3:34.51	S.MORCHE-BLOCH	GER	2015
200 M. FREE				3:10.02	TAKAKO NAKAMORI	JPN	2014	200 M. I.M.			
2:35.36	CHARLOTTE DAVIS	USA	2015	3:10.55	MARIA BALLA	HUN	2009	2:55.88	CHARLOTTE DAVIS	USA	2015
2:37.63	SANDERINA KRUGER	RSA	2015	3:10.66	CLARY MUNNS	AUS	2009	2:59.89	CECILIA MCCLOSKEY	USA	2015
2:39.05	CAROLYN BOAK	USA	2010	3:11.04	JULIE GUNTHERP	NZL	2012	3:05.32	BRIGITTE MERTEN	GER	2011
2:42.26	CHRISTEL SCHULZ	GER	2008								



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3:06.10	CAROLYN BOAK	USA	2010	12:59.41	HELGA REICH	GER	2006	1:42.73	TAMAE FURUYA	JPN	2015
3:07.68	KIRA MAKAROVA	RUS	2013	13:15.45	JUNE KRAUSER	USA	1996	200 M. BRST			
3:08.78	MARGIT OHLSSON	SWE	2011	13:16.51	REIKO ISHIZAKI	JPN	2008	3:30.66	DIANE FORD	GBR	2013
3:08.85	CHRISTEL SCHULZ	GER	2006	13:21.86	ASAKO MIYAKE	JPN	2012	3:34.32	SHOKO YONEZAWA	JPN	2005
3:11.94	YOSHIKO OSAKI	JPN	2003	13:22.25	JAN CROFT	AUS	2013	3:34.49	JOANN LEILICH	USA	2011
3:13.04	CLARY MUNNS	AUS	2011	13:24.65	MARIA PENNA	BRA	2011	3:36.13	NOBUKO YASUDA	JPN	2015
3:13.22	JEN THOMASSON	AUS	2009	1500 M. FREE				3:36.45	LUISE KNOPFLE	GER	2009
400 M. I.M.				24:06.48	JANE ASHER	GBR	2001	3:38.05	MASAYO AZUMA	JPN	2006
6:37.45	CAROLYN BOAK	USA	2010	24:24.13	LAVELLE STOINOFF	USA	2003	3:38.89	TAMAE FURUYA	JPN	2015
6:46.46	YOSHIKO OSAKI	JPN	2005	24:49.53	YOSHIKO OSAKI	JPN	2011	3:42.79	TAYO FUJIEDA	JPN	2009
6:50.17	BRIGITTE MERTEN	GER	2012	25:04.94	BARBARA FENTIMAN	AUS	2004	3:43.90	CLARY MUNNS	AUS	2015
6:54.46	JACKIE MARR	USA	2008	25:21.24	REIKO ISHIZAKI	JPN	2009	3:44.26	YOSHIKO OSAKI	JPN	2010
6:56.94	HANNELORE ROSE	GER	2007	25:25.26	JUNE KRAUSER	USA	1997	50 M. FLY			
6:57.33	BARBARA DUNBAR	USA	2014	25:40.43	CLARA WALKER	USA	1996	36.36	JUDY WILSON	GBR	2014
6:57.73	KIRA MAKAROVA	RUS	2012	25:49.86	MARIA PENNA	BRA	2009	37.93	CHRISTEL SCHULZ	GER	2010
6:59.04	CLARY MUNNS	AUS	2012	26:01.28	E.KETELSEN	DEN	2015	38.65	HARUMI SUGIMOTO	JPN	2008
7:06.05	KATHY SLIFER	USA	2014	26:11.02	PENNY WEBSTER	GBR	2012	39.30	YOSHIKO OSAKI	JPN	2008
7:06.75	FLORA CONNOLLY	GBR	1998	50 M. BACK				39.77	JANE ASHER	GBR	2002
				38.69	MARGIT OHLSSON	SWE	2015	40.02	CLAIRE O'DWYER	IRL	2013
*****				39.31	CLARY MUNNS	AUS	2014	40.14	MARGIT OHLSSON	SWE	2015
	WOMEN 70-74			39.67	SATOKO TAKEUJI	JPN	2012	40.43	CLARY MUNNS	AUS	2015
*****				40.60	E.KETELSEN	DEN	2013	40.78	HISAKO SATO	JPN	2005
50 M. FREE				40.84	PAM HUTCHINGS	AUS	2008	40.81	BARBARA FRID	USA	2012
33.57	CHRISTEL SCHULZ	GER	2010	41.37	HIROMI SATO	JPN	2012	100 M. FLY			
33.61	YOSHIKO OSAKI	JPN	2009	41.38	YOSHIKO OSAKI	JPN	2009	1:24.55	JUDY WILSON	GBR	2014
34.39	IKUKO OKADO	JPN	2013	41.77	SHOKO YONEZAWA	JPN	2009	1:34.51	YOSHIKO OSAKI	JPN	2008
34.64	JANE ASHER	GBR	2004	41.79	PENNY STEELE	AUS	2015	1:39.11	CLARY MUNNS	AUS	2014
34.78	CLARY MUNNS	AUS	2015	41.98	MARGARET WILDING	GBR	2009	1:40.85	JUNE KRAUSER	USA	1996
35.07	RENATA BASTEK	POL	2013	100 M. BACK				1:40.90	HELGA REICH	GER	2007
35.08	JEN THOMASSON	AUS	2013	1:25.20	MARGIT OHLSSON	SWE	2015	1:42.23	HAIKE HOELER	GER	2006
35.17	JEAN HOWARD-JONES	GBR	2014	1:26.15	SATOKO TAKEUJI	JPN	2012	1:42.81	JUDITH OLIVER	CAN	2002
35.22	BETH SCHREINER	USA	2011	1:28.60	CLARY MUNNS	AUS	2015	1:44.87	MARCELA STASTNA	CZE	2007
35.28	GAIL ROPER	USA	1999	1:30.08	E.KETELSEN	DEN	2015	1:44.98	DANIELA BARNEA	USA	2014
100 M. FREE				1:32.02	CHRISTEL SCHULZ	GER	2010	1:45.50	JANE ASHER	GBR	2001
1:14.28	YOSHIKO OSAKI	JPN	2009	1:32.14	NORIKO YOSHIDA	JPN	2014	200 M. FLY			
1:15.01	CHRISTEL SCHULZ	GER	2010	1:32.51	YOSHIKO OSAKI	JPN	2009	3:39.91	JUNE KRAUSER	USA	1996
1:17.94	JANE ASHER	GBR	2004	1:32.68	JOY WARD	USA	2012	3:40.14	JUDY WILSON	GBR	2014
1:18.19	JEN THOMASSON	AUS	2013	1:33.17	HIROMI SATO	JPN	2012	3:44.93	HELGA REICH	GER	2007
1:18.79	JUDY WILSON	GBR	2014	1:33.49	SHOKO YONEZAWA	JPN	2005	3:47.29	CLARY MUNNS	AUS	2014
1:19.45	CAROLYN BOAK	USA	2015	200 M. BACK				3:47.65	DANIELA BARNEA	USA	2014
1:19.94	GAIL ROPER	USA	1999	3:06.24	MARGIT OHLSSON	SWE	2015	3:52.01	SILVIA NEUHAUSER	AUT	2001
1:20.31	PAM HUTCHINGS	AUS	2008	3:11.54	SATOKO TAKEUJI	JPN	2012	3:54.39	JANE ASHER	GBR	2001
1:20.45	JEAN HOWARD-JONES	GBR	2014	3:16.54	NORIKO YOSHIDA	JPN	2014	3:58.81	GAIL ROPER	USA	2002
1:20.99	HELGA REICH	GER	2008	3:16.64	E.KETELSEN	DEN	2013	3:59.38	SEIKO HASEBE	JPN	2015
200 M. FREE				3:17.87	CLARY MUNNS	AUS	2015	4:01.36	IVANA FELGROVA	CZE	2012
2:48.03	CHRISTEL SCHULZ	GER	2010	3:18.02	JOY WARD	USA	2012	200 M. I.M.			
2:49.80	YOSHIKO OSAKI	JPN	2008	3:21.23	CHRISTEL SCHULZ	GER	2010	2:59.25	JANE ASHER	GBR	2002
2:50.27	JANE ASHER	GBR	2002	3:22.49	V.JOHANSSON	SWE	2005	3:13.19	YOSHIKO OSAKI	JPN	2008
2:52.42	JEN THOMASSON	AUS	2014	3:27.58	JANE ASHER	GBR	2002	3:14.07	CHRISTEL SCHULZ	GER	2010
2:53.32	CAROLYN BOAK	USA	2015	3:28.60	GERDA WILLIAMS	AUS	2012	3:16.45	MARGIT OHLSSON	SWE	2015
2:57.28	LAVELLE STOINOFF	USA	2003	50 M. BRST				3:22.05	CLARY MUNNS	AUS	2015
3:00.28	HELGA REICH	GER	2006	42.80	MONIKA SENFTLEBEN	GER	2012	3:27.49	NOBUKO YASUDA	JPN	2015
3:00.59	E.KETELSEN	DEN	2015	43.45	SHOKO YONEZAWA	JPN	2005	3:30.51	JUDITH OLIVER	CAN	2002
3:01.28	GAIL ROPER	USA	1999	43.98	EDITH BOEHM	GER	1999	3:32.07	SHOKO YONEZAWA	JPN	2006
3:03.22	PAM HUTCHINGS	AUS	2008	44.77	DIANE FORD	GBR	2013	3:32.94	GAIL ROPER	USA	1999
400 M. FREE				44.92	NOBUKO YASUDA	JPN	2015	3:33.62	DANIELA BARNEA	USA	2014
5:44.97	YOSHIKO OSAKI	JPN	2008	45.53	ELIANE PELLIS	BEL	2004	400 M. I.M.			
5:59.00	JEN THOMASSON	AUS	2013	45.67	JOANN LEILICH	USA	2009	6:54.93	YOSHIKO OSAKI	JPN	2008
6:05.25	JANE ASHER	GBR	2004	45.88	CLARY MUNNS	AUS	2015	7:14.67	CLARY MUNNS	AUS	2014
6:09.66	CAROLYN BOAK	USA	2015	46.14	RUTH MULLER	GER	2006	7:25.26	JANE ASHER	GBR	2001
6:11.92	LAVELLE STOINOFF	USA	2003	46.31	TAMAE FURUYA	JPN	2015	7:30.91	JUNE KRAUSER	USA	1996
6:22.10	HELGA REICH	GER	2006	100 M. BRST				7:32.26	DANIELA BARNEA	USA	2014
6:26.35	REIKO ISHIZAKI	JPN	2008	1:37.39	DIANE FORD	GBR	2013	7:35.30	HELGA REICH	GER	2006
6:29.01	RITSUKO SUGIMURA	JPN	2014	1:37.72	SHOKO YONEZAWA	JPN	2007	7:36.14	TAMAE FURUYA	JPN	2015
6:30.43	JAN CROFT	AUS	2013	1:37.89	NOBUKO YASUDA	JPN	2015	7:38.56	JUDITH OLIVER	CAN	2002
6:31.51	E.KETELSEN	DEN	2015	1:38.78	JOANN LEILICH	USA	2009	7:43.94	JOY WARD	USA	2012
800 M. FREE				1:39.15	MASAYO AZUMA	JPN	2005	7:49.44	GILLIAN TREGENNA	RSA	2012
12:13.07	YOSHIKO OSAKI	JPN	2009	1:41.04	ELIANE PELLIS	BEL	2004	*****			
12:15.81	JEN THOMASSON	AUS	2014	1:41.31	LUISE KNOPFLE	GER	2012		WOMEN 75-79		
12:32.21	JANE ASHER	GBR	2002	1:41.86	MONIKA SENFTLEBEN	GER	2012	*****			
12:35.14	LAVELLE STOINOFF	USA	2004	1:42.57	YOSHIKO OSAKI	JPN	2008				



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50	M. FREE		43.94	YOSHIKO OSAKI	JPN 2014	46.37	MARCELA STASTNA	CZE 2014
34.85	JANE ASHER	GBR 2006	44.43	DORIS STEADMAN	USA 1999	46.89	LUISE KNOPFLE	GER 2015
35.48	CHRISTEL SCHULZ	GER 2015	44.54	CHRISTEL SCHULZ	GER 2015	100	M. FLY	
35.90	YOSHIKO OSAKI	JPN 2013	45.77	GRETHE BENDTSEN	DEN 2007	1:47.40	JUDIE OLIVER	CAN 2007
36.87	GAIL ROPER	USA 2005	45.98	EVA JAROSOVA	CZE 2012	1:50.12	SYLVIA NEUHAUSER	AUT 2004
37.48	JEAN TROY	USA 2002	46.00	U.MEYER-TONNDORF	GER 2011	1:50.44	HELGA REICH	GER 2011
37.74	MASAKO KOHA	JPN 2015	46.17	KERSTIN GJORES	SWE 2002	1:50.99	JANE ASHER	GBR 2006
38.06	JOHNNIE DETRICK	USA 2013	100	M. BACK		1:51.04	MARCELA STASTNA	CZE 2012
38.19	PAM HUTCHINGS	AUS 2011	1:35.14	CHRISTEL SCHULZ	GER 2015	1:52.12	MARY ANN CASE	USA 2014
38.20	SHOKO YONEZAWA	JPN 2011	1:37.81	YOSHIKO OSAKI	JPN 2015	1:54.14	GAIL ROPER	USA 2004
38.28	SUSAN LEUNER	RSA 2014	1:38.62	JANE ASHER	GBR 2006	1:56.07	JUNE KRAUSER	USA 2001
38.28	ODETTE LUSIEN	FRA 2002	1:38.78	DORIS STEADMAN	USA 2000	1:56.65	ODETTE LUSIEN	FRA 2002
100	M. FREE		1:39.02	SHOKO YONEZAWA	JPN 2010	1:56.92	LOIS NOCHMAN	USA 1999
1:19.71	YOSHIKO OSAKI	JPN 2014	1:41.22	PAM HUTCHINGS	AUS 2011	200	M. FLY	
1:20.10	CHRISTEL SCHULZ	GER 2015	1:41.44	GRETHE BENDTSEN	DEN 2006	4:03.55	SYLVIA NEUHAUSER	AUT 2004
1:20.15	JANE ASHER	GBR 2006	1:42.69	BETTY LORENZI	USA 2002	4:06.08	HELGA REICH	GER 2011
1:26.34	SUSAN LEUNER	RSA 2014	1:42.73	EVA JAROSOVA	CZE 2011	4:10.69	JUNE KRAUSER	USA 2001
1:26.36	GAIL ROPER	USA 2005	1:42.81	JOAN PARNELL	CAN 2003	4:17.87	GAIL ROPER	USA 2004
1:27.20	JILL COMPLIN	GBR 2015	200	M. BACK		4:19.81	LOIS NOCHMAN	USA 1999
1:28.07	JEAN TROY	USA 2002	3:28.42	CHRISTEL SCHULZ	GER 2015	4:21.11	CHRISTA SVOBODOVA	CZE 2012
1:28.14	YURIKO NAGAMATSU	JPN 2010	3:31.81	YOSHIKO OSAKI	JPN 2015	4:21.39	JANE ASHER	GBR 2006
1:29.19	M. CUNNINGHAM	AUS 2001	3:34.35	JANE ASHER	GBR 2006	4:27.99	HIROKO KOBAYASHI	JPN 2015
1:29.30	SHOKO YONEZAWA	JPN 2011	3:37.48	DORIS STEADMAN	USA 2000	4:29.26	HARU TSUKINO	JPN 2015
200	M. FREE		3:40.21	GRETHE BENDTSEN	DEN 2006	4:29.94	ANN HIRSCH	USA 2006
2:54.26	YOSHIKO OSAKI	JPN 2013	3:44.55	BETTY LORENZI	USA 2002	200	M. I.M.	
2:56.57	JANE ASHER	GBR 2008	3:45.98	HELEN BIRD	AUS 2014	3:32.94	YOSHIKO OSAKI	JPN 2013
3:00.89	CHRISTEL SCHULZ	GER 2015	3:47.78	EVA JAROSOVA	CZE 2012	3:33.71	CHRISTEL SCHULZ	GER 2015
3:11.83	MARIA PENNA	BRA 2014	3:48.04	HARUMI SUGIMOTO	JPN 2013	3:38.46	JANE ASHER	GBR 2006
3:12.84	SUSAN LEUNER	RSA 2014	3:48.43	KAZU KOYAMA	JPN 2014	3:48.16	JUDIE OLIVER	CAN 2007
3:13.24	GAIL ROPER	USA 2005	50	M. BRST		3:48.34	JOANN LEILICH	USA 2014
3:15.62	REIKO ISHIZAKI	JPN 2013	43.95	SHOKO YONEZAWA	JPN 2010	3:48.59	JUNE KRAUSER	USA 2001
3:15.68	JILL COMPLIN	GBR 2015	46.69	ELIANE PELLIS	BEL 2009	3:51.28	HELGA REICH	GER 2011
3:15.74	LOTTIE GEURTS	NED 2010	47.10	JOANN LEILICH	USA 2014	3:53.24	MARCELA STASTNA	CZE 2013
3:16.19	DENISE ROBERTSON	AUS 2010	47.59	EDITH BOHM	GER 2003	3:53.65	GRETHE BENDTSEN	DEN 2006
400	M. FREE		47.76	KUMIE TOKUDA	JPN 2012	3:54.27	TAYO FUJIEDA	JPN 2012
6:12.25	YOSHIKO OSAKI	JPN 2013	47.77	GISELA GRUNER	GER 2012	400	M. I.M.	
6:13.20	JANE ASHER	GBR 2006	47.84	LUISE KNOPFLE	GER 2014	7:39.98	JANE ASHER	GBR 2006
6:29.37	CHRISTEL SCHULZ	GER 2015	47.89	A.VAN OBBERGHEN	BEL 2009	7:51.71	JUNE KRAUSER	USA 2001
6:43.02	REIKO ISHIZAKI	JPN 2013	48.69	SYLVIA EISELE	USA 2005	8:08.52	HELGA REICH	GER 2011
6:46.48	HELGA REICH	GER 2012	48.91	MASAYO AZUMA	JPN 2011	8:10.16	ANN HIRSCH	USA 2006
6:48.11	MARIA PENNA	BRA 2014	100	M. BRST		8:17.70	GAIL ROPER	USA 2005
6:50.41	SUSAN LEUNER	RSA 2014	1:38.81	SHOKO YONEZAWA	JPN 2010	8:26.53	URSULA FROHLICH	GER 2010
6:50.97	DENISE ROBERTSON	AUS 2010	1:42.18	JOANN LEILICH	USA 2014	8:28.79	SUE MAYNE	AUS 2011
6:51.62	JILL COMPLIN	GBR 2015	1:44.00	LUISE KNOPFLE	GER 2014	8:38.31	JUDIE OLIVER	CAN 2011
6:55.62	JEAN TROY	USA 2002	1:44.28	MASAYO AZUMA	JPN 2010	8:41.75	KAZU KOYAMA	JPN 2015
800	M. FREE		1:45.78	ELIANE PELLIS	BEL 2009	8:46.12	ANNEMARIE LUDICKE	GER 2015
12:58.94	JANE ASHER	GBR 2006	1:45.98	A.VAN OBBERGHEN	BEL 2008	*****		
13:34.69	YOSHIKO OSAKI	JPN 2014	1:47.73	KUMIE TOKUDA	JPN 2012	WOMEN 80-84		
13:57.01	MARIA PENNA	BRA 2014	1:48.15	TAYO FUJIEDA	JPN 2013	*****		
13:58.35	HELGA REICH	GER 2012	1:48.65	SYLVIA NEUHAUSER	AUT 2004	50	M. FREE	
13:58.84	JILL COMPLIN	GBR 2015	1:50.28	ANN HIRSCH	USA 2006	37.45	JANE ASHER	GBR 2011
14:05.80	DENISE ROBERTSON	AUS 2011	200	M. BRST		38.64	GAIL ROPER	USA 2009
14:10.50	JUNE KRAUSER	USA 2001	3:40.84	JOANN LEILICH	USA 2014	40.45	FLORENCE CARR	USA 2005
14:16.12	SUSAN LEUNER	RSA 2014	3:41.53	SHOKO YONEZAWA	JPN 2010	40.71	JOHNNIE DETRICK	USA 2015
14:16.35	ANNE WILLIAMS	USA 2013	3:43.29	LUISE KNOPFLE	GER 2014	40.75	JEAN TROY	USA 2007
14:16.39	JEAN TROY	USA 2003	3:44.29	MASAYO AZUMA	JPN 2011	41.21	OLGA JOHNSON	NZL 2001
1500	M. FREE		3:53.56	A.VAN OBBERGHEN	BEL 2008	41.31	HATSUHO SUGAYA	JPN 1994
24:41.76	JANE ASHER	GBR 2006	3:54.88	ELIANE PELLIS	BEL 2008	41.54	NAN BOHL	USA 2009
26:41.71	REIKO ISHIZAKI	JPN 2013	3:55.25	SYLVIA NEUHAUSER	AUT 2004	41.80	ELIANE PELLIS	BEL 2013
26:58.65	DENISE ROBERTSON	AUS 2013	3:55.99	KUMIE TOKUDA	JPN 2012	42.11	M. CUNNINGHAM	AUS 2005
27:09.75	JEAN TROY	USA 2003	3:56.14	ANNE WILLIAMS	USA 2013	100	M. FREE	
27:19.77	ANNE WILLIAMS	USA 2013	3:59.30	ANN HIRSCH	USA 2006	1:24.18	JANE ASHER	GBR 2011
27:28.06	MARIA PENNA	BRA 2015	50	M. FLY		1:27.55	GAIL ROPER	USA 2009
27:40.67	JUNE KRAUSER	USA 2001	40.06	CHRISTEL SCHULZ	GER 2015	1:34.43	MITSUKO KOMURO	JPN 2010
27:41.38	JANE OBERG	USA 2012	41.54	HARUMI SUGIMOTO	JPN 2013	1:34.95	NAN BOHL	USA 2009
27:43.98	MICHIKO OKUMURA	JPN 2006	41.99	JANE ASHER	GBR 2006	1:34.96	DENISE ROBERTSON	AUS 2015
27:54.35	LIZ WALLIS	AUS 2002	44.54	HISAKO KITAYAMA	JPN 2012	1:35.64	JEAN TROY	USA 2007
50	M. BACK		44.95	GAIL ROPER	USA 2004	1:36.14	M. CUNNINGHAM	AUS 2007
42.06	SHOKO YONEZAWA	JPN 2010	45.44	ODETTE LUSIEN	FRA 2002	1:36.56	LOTTIE GEURTS	NED 2015
43.16	PAM HUTCHINGS	AUS 2011	46.26	FUMIKO NAKAMURA	JPN 2013	1:37.04	JOHNNIE DETRICK	USA 2015
43.93	JANE ASHER	GBR 2006	46.27	HARU TSUKINO	JPN 2015			



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

1:37.18 ELIANE PELLIS	BEL 2013	3:59.73 BUNNY CEDERLUND	USA 2002	5:48.70 NADIR TAUBERT	BRA 2014
200 M. FREE		4:09.14 NANCY KINNEY	USA 2009	5:51.81 EDIE GRUENDER	USA 2008
3:07.40 JANE ASHER	GBR 2011	4:10.95 GRETHE BENDTSEN	DEN 2010	200 M. I.M.	
3:26.58 DENISE ROBERTSON	AUS 2015	4:11.24 KIMIKO OOKA	JPN 2009	3:54.07 JANE ASHER	GBR 2011
3:27.26 JEAN TROY	USA 2007	4:11.82 G.SCHOBEL-GRASS	GER 2006	3:59.70 JUDIE OLIVER	CAN 2012
3:32.12 GAIL ROPER	USA 2009	4:11.83 EDITH THEIN	ISR 2000	4:18.27 ANN HIRSCH	USA 2011
3:37.14 MARGERY MEYER	USA 2003	4:12.13 KERSTIN GJORES	SWE 2009	4:18.33 SYLVIA NEUHAUSER	AUT 2009
3:37.56 NAN BOHL	USA 2011	50 M. BRST		4:18.72 JEAN TROY	USA 2007
3:38.20 JUDIE OLIVER	CAN 2013	47.59 SHOKO YONEZAWA	JPN 2015	4:19.58 DENISE ROBERTSON	AUS 2015
3:38.32 URSULA FROHLICH	GER 2015	48.36 ELIANE PELLIS	BEL 2013	4:20.00 URSULA FROHLICH	GER 2015
3:40.08 AIKO HORII	JPN 2011	49.49 AGNES OBBERGHEN	BEL 2012	4:23.03 MITSUKO KOMURO	JPN 2010
3:41.00 DOROTHY DICKEY	AUS 2010	51.75 MASAYO AZUMA	JPN 2015	4:24.08 NANCY KINNEY	USA 2009
400 M. FREE		53.36 EDITH BOHM	GER 2008	4:25.05 M. CUNNINGHAM	AUS 2005
6:39.90 JANE ASHER	GBR 2012	53.40 ANN HIRSCH	USA 2011	400 M. I.M.	
7:12.90 DENISE ROBERTSON	AUS 2015	53.53 OLGA KOKORINA	RUS 2005	8:21.88 JANE ASHER	GBR 2011
7:24.53 JEAN TROY	USA 2007	54.30 NAN BOHL	USA 2009	8:23.81 JUDIE OLIVER	CAN 2012
7:30.34 MARGERY MEYER	USA 2003	56.29 ULLA-BRITT OBERG	SWE 2014	9:22.68 DENISE ROBERTSON	AUS 2015
7:39.84 URSULA FROHLICH	GER 2015	56.34 BETTY CHRISTIAN	USA 2001	9:32.43 JEAN TROY	USA 2007
7:40.93 AIKO HORII	JPN 2010	100 M. BRST		9:43.23 LOIS KIVI NOCHMAN	USA 2006
7:42.89 M. CUNNINGHAM	AUS 2005	1:45.71 SHOKO YONEZAWA	JPN 2015	9:45.48 GERTRUD MEERWALD	GER 2000
7:46.22 JUDIE OLIVER	CAN 2014	1:49.34 MASAYO AZUMA	JPN 2015	10:05.13 MAXINE MERLINO	USA 1992
7:47.03 DOROTHY DICKEY	AUS 2012	1:50.05 ELIANE PELLIS	BEL 2013	10:05.95 G.SCHOBEL-GRASS	GER 2006
7:49.19 NAN BOHL	USA 2012	1:50.94 A.VAN OBBERGHEN	BEL 2011	10:08.13 JEAN DURSTON	USA 1995
800 M. FREE		1:57.17 ANN HIRSCH	USA 2011	10:12.77 BETTY RUSS	USA 2008
13:51.21 JANE ASHER	GBR 2011	1:59.30 SYLVIA NEUHAUSER	AUT 2009	*****	
15:10.28 DENISE ROBERTSON	AUS 2015	2:01.21 OLGA KOKORINA	RUS 2005	WOMEN 85-89	
15:12.94 JEAN TROY	USA 2007	2:05.45 JANE ASHER	GBR 2011	*****	
15:21.62 MARGERY MEYER	USA 2003	2:06.17 NAN BOHL	USA 2009	50 M. FREE	
15:32.50 GAIL ROPER	USA 2009	2:06.20 JUDIE OLIVER	CAN 2012	44.70 OLGA JOHNSON	NZL 2006
15:44.39 DOROTHY DICKEY	AUS 2012	200 M. BRST		44.93 MIEKO KAMOSHITA	JPN 2012
15:51.29 NAN BOHL	USA 2012	3:59.60 MASAYO AZUMA	JPN 2015	44.97 JEAN TROY	USA 2012
16:04.82 BRITT GRILLI	SWE 2008	4:05.52 A.VAN OBBERGHEN	BEL 2012	46.08 NAN BOHL	USA 2014
16:05.85 RITA SIMONTON	USA 1998	4:17.64 ANN HIRSCH	USA 2011	46.20 OLGA KOKORINA	RUS 2012
16:09.70 MICHIKO OKUMURA	JPN 2011	4:17.76 SYLVIA NEUHAUSER	AUT 2009	46.72 MARGERY MEYER	USA 2009
1500 M. FREE		4:26.18 OLGA KOKORINA	RUS 2006	48.04 AIKO HORII	JPN 2015
26:29.87 JANE ASHER	GBR 2011	4:28.63 JANE ASHER	GBR 2011	48.12 DOROTHY DICKEY	AUS 2015
29:04.81 JEAN TROY	USA 2007	4:35.22 JUDIE OLIVER	CAN 2014	48.64 BRITT GRILLI	SWE 2013
29:35.03 MARGERY MEYER	USA 2002	4:37.64 SYLVIA EISELE	USA 2009	48.67 LIZ WALLIS	AUS 2012
30:27.88 BETTY LORENZI	USA 2008	4:40.09 EMMI PAULI	GER 1993	100 M. FREE	
30:35.70 FRANCA PARODI	ITA 2013	4:42.28 NAN BOHL	USA 2010	1:43.68 JEAN TROY	USA 2012
30:41.01 RITA SIMONTON	USA 1999	50 M. FLY		1:45.16 NAN BOHL	USA 2014
30:43.41 MICHIKO OKUMURA	JPN 2011	46.21 JANE ASHER	GBR 2011	1:46.13 OLGA KOKORINA	RUS 2009
30:46.79 DOROTHY DICKEY	AUS 2010	47.37 GAIL ROPER	USA 2009	1:46.78 DOROTHY DICKEY	AUS 2015
31:56.32 YOSHIKO KINOSHITA	JPN 2011	49.13 JUDIE OLIVER	CAN 2012	1:47.59 OLGA JOHNSON	NZL 2006
32:09.15 MARJORIE SHARPE	USA 1997	57.43 LOIS KIVI NOCHMAN	USA 2004	1:48.02 MARGERY MEYER	USA 2007
50 M. BACK		57.90 YONE MURATA	JPN 2002	1:48.59 BETTY LORENZI	USA 2012
46.39 BUNNY CEDERLUND	USA 2002	58.33 CHIE TANI	JPN 2007	1:48.75 RITA SIMONTON	USA 2003
46.51 JANE ASHER	GBR 2012	58.38 ANN HIRSCH	USA 2011	1:49.00 BRITT GRILLI	SWE 2013
47.94 SHOKO YONEZAWA	JPN 2015	58.61 M. CUNNINGHAM	AUS 2005	1:49.58 MIEKO KAMOSHITA	JPN 2012
48.77 ALYCE VOGEL	USA 2014	59.07 JEAN TROY	USA 2009	200 M. FREE	
49.25 KATHARINA FLORA	ROU 2014	59.25 YOSHIKO IKEUCHI	JPN 2011	3:49.67 JEAN TROY	USA 2012
49.40 MARGERY MEYER	USA 2002	100 M. FLY		3:52.97 DOROTHY DICKEY	AUS 2015
49.53 BETTY LORENZI	USA 2009	1:54.93 JUDIE OLIVER	CAN 2012	3:55.17 NAN BOHL	USA 2014
50.08 GRETHE BENDTSEN	DEN 2010	2:01.54 SYLVIA NEUHAUSER	AUT 2009	3:56.11 MARGERY MEYER	USA 2007
50.68 KIMIKO OOKA	JPN 2009	2:02.26 JANE ASHER	GBR 2011	3:59.07 LIZ WALLIS	AUS 2012
50.96 TAMAE KABURAGI	JPN 2014	2:06.55 LOIS KIVI NOCHMAN	USA 2004	3:59.68 RITA SIMONTON	USA 2003
100 M. BACK		2:14.91 Y.KAPLAN-BADER	FRA 2008	4:00.92 AIKO HORII	JPN 2015
1:46.11 JANE ASHER	GBR 2011	2:21.88 GERTRUD MEERWALD	GER 2000	4:01.97 G. MCKENZIE-HICKS	AUS 2012
1:47.29 BETTY LORENZI	USA 2009	2:22.05 DENISE ROBERTSON	AUS 2015	4:03.29 OLGA JOHNSON	NZL 2006
1:48.15 KATHARINA FLORA	ROU 2014	2:22.44 BETTY RUSS	USA 2007	4:06.65 BRITT GRILLI	SWE 2013
1:48.64 BUNNY CEDERLUND	USA 2002	2:25.58 CHIE TANI	JPN 2007	400 M. FREE	
1:49.52 GRETHE BENDTSEN	DEN 2010	2:27.91 JEAN DURSTON	USA 1994	8:06.04 JEAN TROY	USA 2012
1:54.18 JUDIE OLIVER	CAN 2013	200 M. FLY		8:06.45 NAN BOHL	USA 2014
1:54.49 KIMIKO OOKA	JPN 2009	4:15.19 JUDIE OLIVER	CAN 2012	8:14.05 MARGERY MEYER	USA 2007
1:56.12 NANCY KINNEY	USA 2009	4:22.66 SYLVIA NEUHAUSER	AUT 2009	8:17.82 RITA SIMONTON	USA 2003
1:56.36 KERSTIN GJORES	SWE 2009	4:34.86 LOIS KIVI NOCHMAN	USA 2004	8:18.58 DOROTHY DICKEY	AUS 2015
1:58.43 JOAN PARNELL	CAN 2008	5:11.67 Y.KAPLAN-BADER	FRA 2008	8:31.10 BETTY LORENZI	USA 2013
200 M. BACK		5:12.38 BETTY RUSS	USA 2008	8:35.33 AIKO HORII	JPN 2015
3:47.96 JANE ASHER	GBR 2012	5:24.52 JEAN DURSTON	USA 1994	8:43.79 OLGA JOHNSON	NZL 2006
3:53.25 BETTY LORENZI	USA 2009	5:29.93 MAXINE MERLINO	USA 1992	8:43.86 G. MCKENZIE-HICKS	AUS 2012
3:56.63 JUDIE OLIVER	CAN 2014	5:34.09 JAE HOWELL	USA 2003		



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

8:44.48 LIZ WALLIS	AUS	2012	2:22.94 M.KAPCAROVA	SVK	2012	12:16.14 KALIS RASMUSSEN	CAN	2009
800 M. FREE			2:26.89 SYLVIA EISELE	CAN	2014	12:29.83 NORA RONAI	BRA	2010
16:45.59 DOROTHY DICKEY	AUS	2015	2:28.48 KIMIE KANAI	JPN	2009	*****		
16:48.12 NAN BOHL	USA	2014	2:30.21 JEAN TROY	USA	2014	WOMEN 90-94		
17:09.73 MARGERY MEYER	USA	2007	2:30.30 MASAKO SHOJI	JPN	2014	*****		
17:10.20 BETTY LORENZI	USA	2013	2:31.14 MICHELE GUILLAIS	FRA	2006	50 M. FREE		
17:14.24 RITA SIMONTON	USA	2003	2:34.86 MARTI GOGNIAT	USA	1996	49.68 OLGA KOKORINA		
17:49.83 OLGA JOHNSON	NZL	2006	200 M. BRST			54.97 HISAKO KOGA		
18:01.24 G. MCKENZIE-HICKS	AUS	2012	4:43.93 OLGA KOKORINA	RUS	2009	55.48 MAURINE KORNFELD		
18:04.57 MARION BEULKE	AUS	2012	5:14.41 NAN BOHL	USA	2014	55.76 AILEEN SOULE		
18:12.09 AIKO HORII	JPN	2015	5:21.96 JEAN TROY	USA	2012	56.28 YONE MURATA		
18:24.60 MAURINE KORNFELD	USA	2008	5:23.25 BARBARA BOHM	GER	2006	56.87 RITA SIMONTON		
1500 M. FREE			5:24.11 EVA KOPLIKOVA	CZE	2012	58.80 JULIA DOLCE		
32:11.49 MARGERY MEYER	USA	2009	5:26.04 SYLVIA EISELE	CAN	2014	1:00.88 M. CUNNINGHAM		
32:32.53 BETTY LORENZI	USA	2012	5:26.82 TERUKO ONO	JPN	2013	1:01.78 NOEL MORROW		
32:33.60 RITA SIMONTON	USA	2003	5:27.60 BETTY CHRISTIAN	USA	2006	1:01.88 MARJORIE STONE		
35:43.52 AIKO HORII	JPN	2015	5:29.73 ETSUKO KIMURA	JPN	2014	100 M. FREE		
36:42.40 JEAN DURSTON	USA	1999	5:35.82 MICHIKO HAMURO	JPN	2004	1:59.86 OLGA KOKORINA		
36:42.79 JOAN CAMPBELL	USA	2015	50 M. FLY			2:00.12 HISAKO KOGA		
36:53.31 BETTY RUSS	USA	2012	1:01.94 LOIS KIVI NOCHMAN	USA	2009	2:03.52 RITA SIMONTON		
37:00.32 SHEILA NAIMAN	CAN	2015	1:06.40 YONE MURATA	JPN	2007	2:08.53 MAURINE KORNFELD		
37:38.80 Y.KAPLAN-BADER	FRA	2013	1:09.14 Y.KAPLAN-BADER	FRA	2013	2:19.14 AUDREY ETIENNE		
37:52.47 G. MCKENZIE-HICKS	AUS	2012	1:09.34 JEAN TROY	USA	2013	2:19.62 AILEEN SOULE		
50 M. BACK			1:09.57 NORA RONAI	BRA	2010	2:19.87 JULIA DOLCE		
51.81 BETTY LORENZI	USA	2012	1:10.06 AGNES KISS	HUN	2012	2:21.27 JOYCE O'FARRELL		
53.44 BUNNY CEDERLUND	USA	2006	1:11.58 JEAN DURSTON	USA	1999	2:25.03 CHIYOKO TAKIZAWA		
55.68 KIMIKO OOKA	JPN	2014	1:12.00 MARIA LENK	BRA	2000	2:25.17 MARJORIE STONE		
56.57 BETTY CHRISTIAN	USA	2006	1:12.55 E.LOBSIGER	ESP	2015	200 M. FREE		
57.14 KERSTIN GJORES	SWE	2012	1:13.84 MAXINE MERLINO	USA	1997	4:19.80 RITA SIMONTON		
58.27 NANCY KINNEY	USA	2015	100 M. FLY			4:22.57 OLGA KOKORINA		
58.34 MARGERY MEYER	USA	2008	2:23.89 LOIS KIVI NOCHMAN	USA	2009	4:30.03 MAURINE KORNFELD		
58.42 AILEEN SOULE	USA	1991	2:39.43 JEAN DURSTON	USA	2000	5:06.38 AUDREY ETIENNE		
58.87 YOKO KOBAYASHI	JPN	2011	2:40.97 Y.KAPLAN-BADER	FRA	2013	5:08.88 VALERIE LINCOLN		
59.06 SILVIA CRAVERI	ITA	2009	2:43.95 BETTY RUSS	USA	2015	5:11.52 CHIYOKO TAKIZAWA		
100 M. BACK			2:45.28 DOROTHY WESTON	GBR	1998	5:12.24 BETTY BRUSSEL		
1:54.22 BETTY LORENZI	USA	2012	2:52.47 JAE HOWELL	USA	2007	5:13.39 FUMI MURATA		
2:06.41 BUNNY CEDERLUND	USA	2006	2:58.82 THELMA BRYAN	AUS	2015	5:16.84 WILLY VAN RYSEL		
2:07.47 KERSTIN GJORES	SWE	2012	2:59.53 JUNE REYNOLDS	USA	2007	5:19.36 JULIA DOLCE		
2:08.11 KIMIKO OOKA	JPN	2014	2:59.55 MAXINE MERLINO	USA	1997	400 M. FREE		
2:09.37 NANCY KINNEY	USA	2015	3:01.14 KATHERINE PELTON	USA	1991	9:04.93 RITA SIMONTON		
2:10.44 EDITH THEIN	ISR	2004	200 M. FLY			9:30.36 MAURINE KORNFELD		
2:10.46 SILVIA CRAVERI	ITA	2009	5:07.64 LOIS KIVI NOCHMAN	USA	2009	10:30.72 HISAKO KOGA		
2:11.38 DOROTHY DICKEY	AUS	2015	5:41.48 BETTY RUSS	USA	2012	10:38.12 BETTY BRUSSEL		
2:12.48 WILLY VAN RYSEL	GBR	2001	5:49.75 JEAN DURSTON	USA	1999	10:38.46 VALERIE LINCOLN		
2:13.13 AILEEN SOULE	USA	1991	6:12.31 JAE HOWELL	USA	2007	10:41.86 CHIYOKO TAKIZAWA		
200 M. BACK			6:21.16 THELMA BRYAN	AUS	2015	10:55.81 FUMI MURATA		
4:11.77 BETTY LORENZI	USA	2012	6:35.26 MAXINE MERLINO	USA	1998	10:58.64 WILLY VAN RYSEL		
4:29.16 EDITH THEIN	ISR	2003	6:35.92 JUNE REYNOLDS	USA	2007	11:17.74 MAXINE MERLINO		
4:35.71 BUNNY CEDERLUND	USA	2006	7:18.41 KATHERINE PELTON	USA	1990	11:19.66 MARIA LENK		
4:38.46 G.SCHOBEL-GRASS	GER	2011	8:02.73 ELLA PECKHAM	USA	1985	800 M. FREE		
4:42.52 DOROTHY DICKEY	AUS	2015	8:02.91 KALIS RASMUSSEN	CAN	2009	18:53.58 RITA SIMONTON		
4:43.85 NANCY KINNEY	USA	2015	200 M. I.M.			19:28.25 MAURINE KORNFELD		
4:44.76 MARJORIE SHARPE	USA	2002	5:01.26 JEAN TROY	USA	2014	22:01.97 VALERIE LINCOLN		
4:45.60 KERSTIN GJORES	SWE	2012	5:07.89 AGNES KISS	HUN	2013	22:27.49 BETTY BRUSSEL		
4:46.20 PERSIS RAE	AUS	2007	5:10.11 Y.KAPLAN-BADER	FRA	2015	22:42.50 WILLY VAN RYSEL		
4:47.82 AILEEN SOULE	USA	1991	5:11.92 LOIS KIVI NOCHMAN	USA	2009	22:59.63 JOYCE O'FARRELL		
50 M. BRST			5:16.68 JEAN DURSTON	USA	1999	23:01.12 MARIA LENK		
57.24 OLGA KOKORINA	RUS	2009	5:25.65 RITA SIMONTON	USA	2004	23:04.42 MAXINE MERLINO		
1:01.08 M.KAPCAROVA	SVK	2012	5:27.56 MAXINE MERLINO	USA	1997	24:21.14 KALIS RASMUSSEN		
1:01.45 NAN BOHL	USA	2014	5:29.95 KALIS RASMUSSEN	CAN	2009	26:04.96 KATH JOHNSTONE		
1:02.35 SYLVIA EISELE	CAN	2014	5:39.68 MARIA LENK	BRA	2000	1500 M. FREE		
1:02.92 KIMIE KANAI	JPN	2009	5:40.85 JAE HOWELL	USA	2007	36:02.20 RITA SIMONTON		
1:03.16 MICHELE GUILLAIS	FRA	2006	400 M. I.M.			42:10.07 VALERIE LINCOLN		
1:03.39 YOKO KOBAYASHI	JPN	2011	10:41.24 BETTY RUSS	USA	2012	42:30.27 WILLY VAN RYSEL		
1:03.77 ETSUKO KIMURA	JPN	2015	10:45.77 JEAN TROY	USA	2012	43:09.97 JOYCE O'FARRELL		
1:06.48 BETTY CHRISTIAN	USA	2006	10:48.77 LOIS KIVI NOCHMAN	USA	2009	44:46.30 MAXINE MERLINO		
1:06.72 LIS KNUTZEN	DEN	2005	11:10.37 JEAN DURSTON	USA	1999	47:05.74 CHIYOKO TAKIZAWA		
100 M. BRST			11:16.32 Y.KAPLAN-BADER	FRA	2014	48:16.73 KALIS RASMUSSEN		
2:09.75 OLGA KOKORINA	RUS	2009	11:21.06 MAXINE MERLINO	USA	1997	49:40.76 KIKU ONO		
2:20.49 NAN BOHL	USA	2014	11:56.05 JAE HOWELL	USA	2007	50:26.49 JULIA DOLCE		
2:21.10 ETSUKO KIMURA	JPN	2015	12:10.25 THELMA BRYAN	AUS	2015			



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

51:19.79	KATH JOHNSTONE	NZL	2007	1:33.12	RITA SIMONTON	USA	2008	41:39.68	RITA SIMONTON	USA	2013
50 M. BACK				1:45.61	KALIS RASMUSSEN	CAN	2014	54:09.81	MIEKO NAGAOKA	JPN	2011
1:03.49	AILEEN SOULE	USA	1996	1:53.22	R.FLORES	MEX	2014	85:21.95	KATH JOHNSTONE	NZL	2015
1:04.78	NOEL MORROW	CAN	2009	2:29.08	GERTRUD ZINT	USA	2007	50 M. BACK			
1:05.08	WILLY VAN RYSEL	GBR	2006	4:42.00	HILDA BUEL	USA	2006	1:14.31	RITA SIMONTON	USA	2013
1:06.02	KALIS RASMUSSEN	CAN	2014	4:57.25	ANNA BAUSCHER	USA	1994	1:19.05	MIEKO NAGAOKA	JPN	2009
1:08.30	HANA ENATSU	JPN	2013	100 M. FLY				1:37.73	KIKU ONO	JPN	2013
1:10.29	AUDREY ETIENNE	USA	2006	3:39.01	NORA RONAI	BRA	2014	1:39.68	EDITH HENDRY	USA	2007
1:11.47	TRUDY BULLIVANT	AUS	2013	4:44.20	R.FLORES	MEX	2014	1:42.07	JULIA DOLCE	USA	2005
1:11.53	FUMI MURATA	JPN	2014	200 M. FLY				1:45.87	MASAKO MATSUNO	JPN	2012
1:12.15	PERSIS RAE	AUS	2011	8:52.22	NORA RONAI	BRA	2014	1:49.08	CLARICE ARTIS	AUS	2013
1:12.20	NORA KUTTI	EST	2013	10:39.85	R.FLORES	MEX	2014	1:56.24	LAURA OLIVEIRA	BRA	2014
100 M. BACK				200 M. I.M.				1:57.79	MARGE ANDERSON	CAN	1998
2:23.23	AILEEN SOULE	USA	1996	6:30.12	RITA SIMONTON	USA	2008	2:00.33	ROSA SELLARES	ESP	2005
2:25.93	WILLY VAN RYSEL	GBR	2006	6:32.52	NORA RONAI	BRA	2014	100 M. BACK			
2:30.63	MAURINE KORNFELD	USA	2011	6:35.70	MAXINE MERLINO	USA	2003	2:42.67	RITA SIMONTON	USA	2013
2:33.12	RITA SIMONTON	USA	2011	6:55.97	KALIS RASMUSSEN	CAN	2014	2:55.56	MIEKO NAGAOKA	JPN	2010
2:34.29	NOEL MORROW	CAN	2009	7:24.79	R.FLORES	MEX	2014	3:26.93	MASAKO MATSUNO	JPN	2011
2:37.52	TRUDY BULLIVANT	AUS	2013	8:11.91	CHARLOTTE SANDDAL	USA	2014	3:40.79	CLARICE ARTIS	AUS	2013
2:39.01	KALIS RASMUSSEN	CAN	2014	12:03.55	HILDA BUEL	USA	2004	3:42.90	EDITH HENDRY	USA	2007
2:41.94	NORA KUTTI	EST	2013	12:10.93	ANNA BAUSCHER	USA	1994	4:03.66	LAURA OLIVEIRA	BRA	2014
2:45.73	HANA ENATSU	JPN	2014	400 M. I.M.				4:16.79	MARGE ANDERSON	CAN	1998
2:47.05	MARIA LENK	BRA	2005	14:12.52	NORA RONAI	BRA	2014	4:18.07	ROSA SELLARES	ESP	2005
200 M. BACK				16:29.91	R.FLORES	MEX	2014	4:19.08	BERNARDA ANGULO	ESP	2009
5:17.36	WILLY VAN RYSEL	GBR	2006	*****				4:48.93	MARGO BATES	AUS	2005
5:28.09	KALIS RASMUSSEN	CAN	2014	*****				200 M. BACK			
5:29.07	AILEEN SOULE	USA	1997	*****				6:17.46	RITA SIMONTON	USA	2014
5:30.12	MAURINE KORNFELD	USA	2013	*****				6:29.99	MIEKO NAGAOKA	JPN	2010
5:38.48	TRUDY BULLIVANT	AUS	2013	*****				7:52.01	EDITH HENDRY	USA	2007
5:41.35	MARIA LENK	BRA	2005	50 M. FREE				8:49.98	BERNARDA ANGULO	ESP	2009
5:46.91	HANA ENATSU	JPN	2014	1:07.45	RITA SIMONTON	USA	2013	11:32.56	ANNE DUNIVIN	USA	2011
5:56.93	JULIA DOLCE	USA	2000	1:14.38	SHIZUE SHIMIZU	JPN	2006	50 M. BRST			
5:58.99	NORA KUTTI	EST	2013	1:14.72	MARGO BATES	AUS	2007	2:24.40	MIEKO NAGAOKA	JPN	2011
6:05.42	INGEBORG FRITZE	GER	2011	1:17.53	JULIA DOLCE	USA	2005	3:02.62	KATH JOHNSTONE	NZL	2014
50 M. BRST				1:20.84	CLARICE ARTIS	AUS	2013	3:13.99	MICHIKO HAMURO	JPN	2014
1:03.72	OLGA KOKORINA	RUS	2013	1:23.96	MIEKO NAGAOKA	JPN	2010	4:20.32	ROSA SELLARES	ESP	2005
1:13.20	INGEBORG FRITZE	GER	2012	1:24.39	AUDREY ETIENNE	USA	2012	100 M. BRST			
1:16.17	MARJORIE STONE	USA	2014	1:26.72	KIKU ONO	JPN	2012	8:00.98	MICHIKO HAMURO	JPN	2014
1:18.96	NORA RONAI	BRA	2015	1:37.38	KATH JOHNSTONE	NZL	2012	*****			
1:20.53	MICHELE GUILLAIS	FRA	2011	1:41.16	MASAKO MATSUNO	JPN	2011	*****			
1:25.91	MARIA LENK	BRA	2005	100 M. FREE				*****			
1:26.57	M.GOTTSCHALK	GER	1999	2:23.86	RITA SIMONTON	USA	2013	*****			
1:27.46	ANNELIESE POKER	GER	2011	2:56.83	MIEKO NAGAOKA	JPN	2009	*****			
1:29.56	KALIS RASMUSSEN	CAN	2014	3:08.43	JULIA DOLCE	USA	2005	50 M. FREE			
1:29.94	FUMI MURATA	JPN	2013	3:09.64	MARGO BATES	AUS	2006	1:41.88	MIEKO NAGAOKA	JPN	2014
100 M. BRST				3:15.49	AUDREY ETIENNE	USA	2011	5:10.84	MARY MAINA	AUS	1994
2:27.19	OLGA KOKORINA	RUS	2013	3:18.26	LAURA OLIVEIRA	BRA	2014	100 M. FREE			
2:55.27	MARJORIE STONE	USA	2013	3:32.02	KATH JOHNSTONE	NZL	2014	3:45.85	MIEKO NAGAOKA	JPN	2014
2:57.56	INGEBORG FRITZE	GER	2011	4:06.70	MARGE ANDERSON	CAN	1998	6:17.75	MARGO BATES	AUS	2010
3:04.80	NAKA FUKUOKA	JPN	2013	4:10.10	NANCY ANN DODSON	USA	2013	200 M. FREE			
3:06.14	NORA RONAI	BRA	2015	4:13.30	BERNARDA ANGULO	ESP	2009	7:48.76	MIEKO NAGAOKA	JPN	2014
3:09.14	KALIS RASMUSSEN	CAN	2014	200 M. FREE				400 M. FREE			
3:12.88	MARIA LENK	USA	2005	5:04.08	RITA SIMONTON	USA	2013	16:36.80	MIEKO NAGAOKA	JPN	2014
3:19.15	BARBARA BOHM	GER	2010	6:30.34	MIEKO NAGAOKA	JPN	2009	800 M. FREE			
3:21.95	M.GOTTSCHALK	GER	1999	7:34.27	MARGO BATES	AUS	2005	38:04.30	MIEKO NAGAOKA	JPN	2014
3:30.39	BETTY BRUSSEL	CAN	2014	7:48.08	LAURA OLIVEIRA	BRA	2014	1500 M. FREE			
200 M. BRST				7:59.19	KATH JOHNSTONE	NZL	2014	74:08.73	MIEKO NAGAOKA	JPN	2014
5:21.78	OLGA KOKORINA	RUS	2013	8:57.26	M.DE FROMONT	FRA	2006	50 M. BACK			
6:34.01	MARJORIE STONE	USA	2015	9:24.83	BERNARDA ANGULO	ESP	2007	1:33.89	MIEKO NAGAOKA	JPN	2014
6:38.72	KALIS RASMUSSEN	CAN	2014	11:15.91	ANNE DUNIVIN	USA	2012	2:52.85	MARGO BATES	AUS	2010
6:53.97	BARBARA BOHM	GER	2010	400 M. FREE				100 M. BACK			
6:54.46	INGEBORG FRITZE	GER	2012	10:47.07	RITA SIMONTON	USA	2013	3:39.81	MIEKO NAGAOKA	JPN	2014
6:57.76	MARIA LENK	USA	2005	13:52.13	MIEKO NAGAOKA	JPN	2011	6:36.82	MARGO BATES	AUS	2010
7:10.69	BETTY BRUSSEL	CAN	2014	15:43.16	KATH JOHNSTONE	NZL	2014	200 M. BACK			
7:45.45	MICHIKO HAMURO	JPN	2009	18:16.28	BERNARDA ANGULO	ESP	2007	8:05.64	MIEKO NAGAOKA	JPN	2014
7:59.99	M. CUNNINGHAM	AUS	2015	18:32.26	M.DE FROMONT	FRA	2006	*****			
8:00.51	GUDRUN KLOOS	RSA	2015	22:01.50	ANNE DUNIVIN	USA	2011	*****			
50 M. FLY				800 M. FREE				*****			
1:22.05	YONE MURATA	JPN	2012	21:53.69	RITA SIMONTON	USA	2013	*****			
1:22.77	NORA RONAI	BRA	2014	29:29.02	MIEKO NAGAOKA	JPN	2010	*****			
1:29.40	CHARLOTTE SANDDAL	USA	2013	33:53.37	KATH JOHNSTONE	NZL	2012	50 M. FREE			
				1500 M. FREE				22.34	A.LIUKKONEN	FIN	2014
								22.79	A.WADDELL	AUS	1992



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22.94	PAVEL ZINKEVICH	BLR	2015	26.58	JUNICHI MIYASHITA	JPN	2009	100 M. FLY			
22.97	SERGEY MUKHIN	RUS	2013	26.62	JANDER LAZARONI	BRA	2011	53.09	KOHEI KAWAMOTO	USA	2008
23.12	ALEXANDRE AGOSTIN	POR	2015	26.64	KEVIN DOAK	USA	2009	53.41	M. PATTERSON	AUS	2013
23.15	C.GRAHLEMANN	GER	2009	26.70	CHRIS KING	RSA	2012	54.07	GLAUBER SILVA	BRA	2015
23.21	YURI COSTA	BRA	2014	100 M. BACK				54.29	MATTHEW BOWE	GBR	2008
23.24	THIAGO REZZO	BRA	2014	55.87	KURT CROSLAND	NZL	2013	54.73	M.BABUCHOWSKI	POL	2012
23.26	KEN SORGI	BRA	2014	56.20	VITALIY BORISOV	RUS	2015	54.94	TAKATSUGU OGA	JPN	2014
23.34	YOSHIHIRO ASO	JPN	2014	56.80	CHRIS KING	RSA	2012	54.95	CARLOS NASCIMENTO	BRA	2009
23.34	DMITRIY KALENOV	RUS	2013	57.00	KEVIN DOAK	USA	2008	55.16	KEI NAKASHIMA	JPN	2009
100 M. FREE				57.39	HISAYOSHI SATO	JPN	2015	55.34	ANDREY DENISKO	RUS	2015
50.45	MATTHEW MCGINNIS	USA	2013	57.42	IKUMI HASEGAWA	JPN	2009	55.34	DANIEL BELINI	BRA	2009
50.74	NICK SHACKELL	USA	2000	57.45	JON WINTER	NZL	1997	200 M. FLY			
50.75	KOSUKE MAEDA	JPN	2015	57.53	LEONARDO SUMIDA	BRA	2015	2:03.26	SATOSHI TORATANI	JPN	2008
50.81	A.LIUKKONEN	FIN	2014	57.66	MATTHEW MCGINNIS	USA	2013	2:04.14	KIMITAKA MINOBE	JPN	2003
51.06	ADAM RITTER	USA	2013	57.69	MATTHEW BOWE	GBR	2008	2:05.26	PHILIPP GILGEN	SUI	2003
51.23	EDVALDO SILVA	BRA	2007	200 M. BACK				2:05.76	JASON EADDY	USA	2002
51.31	A.SCHONENBERGER	BRA	2014	2:03.62	CHRIS KING	RSA	2012	2:06.28	FREDERICO CASTRO	BRA	2015
51.36	SERGEY MUKHIN	RUS	2013	2:03.80	KAMIL KASPROWICZ	GER	2010	2:06.46	ANATOLIY POLYAKOV	RUS	2009
51.37	STEFAN OOSTING	NED	2009	2:06.30	ADRIANO NIZ	POR	2015	2:06.52	ARNAUD RONDAN	FRA	2013
51.63	KOHEI KAWAMOTO	JPN	2005	2:07.57	JOHN KEPPELER	USA	1992	2:06.53	MARCUS MATTIOLI	ITA	1988
200 M. FREE				2:08.02	MASAYA KANEKO	JPN	2012	2:07.09	K.GAYDAR	UKR	2012
1:51.00	JOHN KEPPELER	USA	1996	2:08.23	NICOLAS GRANGER	FRA	1994	2:07.14	HONZA VITAZKA	USA	2002
1:51.39	ADAM RITTER	USA	2013	2:08.59	HIROSHI NISHIMURA	JPN	2001	200 M. I.M.			
1:52.19	JOE TRISTAN	USA	2000	2:08.65	ROBERT HAUCK	USA	1993	2:04.40	ADAM RITTER	USA	2013
1:52.77	MARIO MONTOYA	CRC	2014	2:09.13	JEROME FAROUZE	FRA	2003	2:05.98	KAMIL KASPROWICZ	GER	2010
1:52.82	CHRIS KING	RSA	2012	2:09.19	DARRYL FOLLOWS	NZL	1993	2:06.33	HONZA VITAZKA	USA	2002
1:53.16	CHRISTIAN HEIN	GER	2007	50 M. BRST				2:06.45	YUTA SHOJI	JPN	2009
1:53.68	EDVALDO SILVA	BRA	2007	27.84	IGOR GOLOVIN	RUS	2015	2:06.59	TOBIAS ORIWOL	USA	2014
1:53.76	MICHAEL KIEDEL	USA	2000	27.96	MARK GANGLOFF	USA	2011	2:07.00	NICOLAS GRANGER	FRA	1994
1:53.86	STEVEN MELLOR	GBR	2001	28.13	A.VLADIMIROV	RUS	2015	2:07.02	ARNAUD RONDAN	FRA	2013
1:54.22	STEFAN OOSTING	NED	2009	28.18	OSSI OKSA	FIN	2015	2:09.21	CAMERON REID	USA	1987
400 M. FREE				28.29	C.BURCKLE	USA	2013	2:09.68	A.MIGUEL NIZ	POR	2015
4:00.98	HONZA VITAZKA	USA	2002	28.33	EDUARDO FISCHER	BRA	2008	2:10.44	KAZUYA KUROSU	JPN	2003
4:01.70	STEVE MELLOR	GBR	2001	28.43	YURI COSTA	BRA	2014	400 M. I.M.			
4:02.79	MARTIN HOHL	SUI	2009	28.44	RYO KOBAYASHI	JPN	2013	4:29.28	ARNAUD RONDAN	FRA	2013
4:02.95	BART REYEN	BEL	1998	28.59	VINCENT DASSIE	FRA	2014	4:30.05	DIOGO YABE	BRA	2009
4:03.32	MARIO MONTOYA	CRC	2014	28.62	A.LIUKKONEN	FIN	2014	4:31.47	NICOLAS GRANGER	FRA	1994
4:03.63	ALEX KOSTICH	USA	1997	100 M. BRST				4:32.19	HONZA VITAZKA	USA	2002
4:05.99	CHIP HOBSON	USA	1994	1:02.18	C.BURCKLE	USA	2013	4:32.45	DIRK ZINNOW	GER	2000
4:06.99	MARCUS MATTIOLI	ITA	1988	1:02.19	RYO KOBAYASHI	JPN	2013	4:32.96	ALEX KOSTICH	USA	1997
4:07.72	ROLAND LEE	GBR	1992	1:02.44	GARY MARSHALL	USA	2008	4:34.08	CAMERON REID	USA	1987
4:07.73	CAMERON REID	USA	1987	1:02.65	CHRISTOPHER JONES	GBR	2007	4:41.14	MARCUS MATTIOLI	ITA	1988
800 M. FREE				1:03.16	A.VLADIMIROV	RUS	2015	4:41.97	KOSHIRO IKEYA	JPN	2014
8:22.43	ROBERT NUSSLE	GER	2013	1:03.62	V.POLYAKOV	USA	2011	4:42.34	SATOSHI TORATANI	JPN	2008
8:24.67	ALEX KOSTICH	USA	1997	1:03.72	MAKOTO YAMASHITA	JPN	2010	*****			
8:27.48	MICHAEL DMITRIEV	GER	2012	1:03.76	VINCENT DASSIE	FRA	2014	M E N 30-34			
8:29.22	NICOLAS GRANGER	FRA	1994	1:03.84	MARCUS TITUS	USA	2014	*****			
8:32.92	NEIL TAIT	GBR	1996	1:03.98	WOLFGANG MAIER	GER	2014				
8:35.91	CHIP HOBSON	USA	1994	200 M. BRST				50 M. FREE			
8:36.83	ALEXANDR SHIMIN	RUS	2015	2:11.78	C.BURCKLE	USA	2013	22.13	ROLAND SCHOEMAN	USA	2013
8:36.83	JEFF ERWIN	USA	1992	2:16.70	GARY MARSHALL	USA	2008	22.53	SABIR MUHAMMAD	USA	2009
8:36.88	JOHN PEARSON	USA	1992	2:18.17	CHRISTOPHER JONES	GBR	2008	22.80	ROBERT PEEL	USA	1996
8:37.24	FRANK WERNER	GER	1996	2:19.73	DAISUKE KIMURA	JPN	2010	22.91	BRIAN JACOBSON	USA	2005
1500 M. FREE				2:19.96	VINCENT DASSIE	FRA	2014	23.12	SERGEY MUKHIN	RUS	2015
16:13.78	RAFAEL CABANILLAS	ESP	2015	2:20.07	AHMED BAYOUMY	EGY	2014	23.12	FRANCISCO PINTO	BRA	2014
16:13.89	ALEX KOSTICH	USA	1997	2:20.25	SIMON LEIGHFIELD	AUS	2002	23.19	M.BILDOSOLA	ESP	2013
16:26.06	MARTIN HOHL	SUI	2012	2:22.05	ANDREA CAVALLETTI	ITA	2013	23.21	ROWDY GAINES	USA	1991
16:28.63	C.HANSMANN	GER	2002	2:22.17	JIRI VLCEK	CZE	2009	23.25	S.KUNZELMANN	GER	2009
16:28.69	CAMERON REID	USA	1987	2:22.58	CHIKAHIDE ENDO	JPN	2015	23.27	TODD PACE	USA	1998
16:31.20	JOHN CALNAN	CAN	2006	50 M. FLY				100 M. FREE			
16:32.95	ROBERT NUSSLE	GER	2012	23.58	M. PATTERSON	AUS	2013	50.23	DARIAN TOWNSEND	USA	2014
16:36.87	NICKY LANGE	GER	2009	23.71	KOHEI KAWAMOTO	USA	2008	50.34	ADAM RITTER	USA	2015
16:38.86	JULIEN BAILLOD	SUI	2009	24.01	RYO ISHII	JPN	2015	50.84	S.KUNZELMANN	GER	2009
16:39.99	AKIRA OTANI	JPN	2014	24.35	SERGEY MUKHIN	RUS	2013	51.06	ADAM PINE	AUS	2009
50 M. BACK				24.46	HISAYOSHI SATO	JPN	2015	51.24	P.KUTSCHER	GER	2009
26.05	ADAM MANIA	USA	2011	24.65	Y.MURAMATSU	JPN	2015	51.32	SERGEY MUKHIN	RUS	2015
26.09	YURI COSTA	BRA	2014	24.67	CARLOS NASCIMENTO	BRA	2009	51.34	HIDEAKI HARA	JPN	2008
26.12	VITALIY BORISOV	RUS	2015	24.72	RUDY TED DE HAAN	NED	2009	51.46	STEFAN HERBST	GER	2011
26.18	HIDEAKI AOKI	JPN	2010	24.75	ERIK TOLMACHOFF	USA	2009	51.50	ROWDY GAINES	USA	1991
26.40	TOMOYA FUKUI	JPN	2015	24.88	M.BABUCHOWSKI	POL	2012	51.53	JOSE JUNIOR	BRA	2015
26.44	LEONARDO SUMIDA	BRA	2015	24.88	JON WINTER	NZL	1998	200 M. FREE			



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1:51.91	DARIAN TOWNSEND	USA	2015	2:08.11	MARK VOGEL	DEN	2000	200 M. I.M.			
1:52.13	ADAM RITTER	USA	2015	2:08.21	ROSTISLAV VITEK	CZE	2009	2:03.54	DIOGO YABE	BRA	2011
1:53.15	DANIEL KOWALSKI	AUS	2009	2:09.47	JEROME FAROUZE	FRA	2006	2:04.91	KEITH BEAVERS	CAN	2014
1:53.33	JACOB CARSTENSEN	DEN	2010	2:09.72	MARCO MACCIANTI	ITA	2012	2:05.52	ISTVAN BATHAZI	USA	2009
1:53.46	TAMAS KEREKJARTO	USA	2009	2:09.81	LEONARDO GOMES	BRA	2006	2:05.60	TAMAS KEREKJARTO	USA	2010
1:54.18	D.STOCKINGER	AUT	2012	50 M. BRST				2:07.38	JACOB CARSTENSEN	DEN	2010
1:54.25	YURIY UFIMTSEV	RUS	2014	27.97	RYO KOBAYASHI	JPN	2015	2:07.83	ALEXEY ZATSEPIN	RUS	2015
1:54.33	JOSH DAVIS	USA	2006	28.24	SERGEY GEYBEL	RUS	2015	2:07.96	ADAM RITTER	USA	2015
1:55.20	DIOGO YABE	BRA	2011	28.59	CARLOS ALENCAR	BRA	2009	2:07.97	KOSUKE KOJIMA	USA	2009
1:55.28	ROWDY GAINES	USA	1991	28.63	OLEG LISOGOR	UKR	2010	2:08.89	NICOLAS GRANGER	FRA	2000
400 M. FREE				28.86	RYOSUKE IMAI	JPN	2009	2:09.34	C.SORRENTINO	ITA	2008
3:58.42	DANIEL KOWALSKI	AUS	2009	29.01	JEFF COMMINGS	USA	2006	400 M. I.M.			
4:00.33	R.MONASTERIO	VEN	2010	29.15	DMITRIY BYCHKOV	RUS	2015	4:24.11	LUKASZ WOJT	GER	2013
4:01.06	JAN WOLFGARTEN	GER	2012	29.15	BRIAN JACOBSON	USA	2005	4:31.36	DIOGO YABE	BRA	2012
4:01.70	JACOB CARSTENSEN	DEN	2012	29.19	BASTIAN KAMPMANN	GER	2010	4:32.74	KEITH BEAVERS	CAN	2014
4:04.37	THOMAS LURZ	GER	2012	29.25	GARY MARSHALL	USA	2012	4:33.91	THOMAS LURZ	GER	2012
4:05.01	ROSTISLAV VITEK	CZE	2009	100 M. BRST				4:35.41	ASUKA KOIZUMI	JPN	2010
4:05.19	CARLOS PAVAO	BRA	2007	1:02.39	RYO KOBAYASHI	JPN	2015	4:38.28	JULIEN BAILLOD	SUI	2012
4:05.61	ERIK HOCHSTEIN	USA	2002	1:02.71	ED MOSES	USA	2011	4:38.36	C.SORRENTINO	ITA	2008
4:07.04	ROWDY GAINES	USA	1994	1:02.90	EDUARDO FISCHER	BRA	2011	4:38.92	ANDREY KRYLOV	RUS	2015
4:08.53	SEBASTIAN WIESE	GER	2003	1:03.16	ADAM RITTER	USA	2015	4:39.92	NICOLAS GRANGER	FRA	2000
800 M. FREE				1:03.59	GARY MARSHALL	USA	2013	4:40.22	SEAN MURPHY	USA	1994
8:08.68	JAN WOLFGARTEN	GER	2012	1:03.67	RYOSUKE IMAI	JPN	2011	*****			
8:10.78	THOMAS LURZ	GER	2012	1:03.92	WOLFGANG MAIER	GER	2015	M E N 35-39			
8:16.52	R.MONASTERIO	VEN	2010	1:04.38	TAKAHIRO NETSU	JPN	2015	*****			
8:18.76	DANIEL KOWALSKI	AUS	2009	1:04.91	JACOB CARSTENSEN	DEN	2010	50 M. FREE			
8:26.26	CARLOS PAVAO	BRA	2007	1:05.02	NICK GILLINGHAM	GBR	1999	22.76	MARK FOSTER	GBR	2005
8:27.41	ROSTISLAV VITEK	CZE	2009	200 M. BRST				23.19	EDUARD LORENTE	ESP	2014
8:35.16	IGOR PIOVESAN	ITA	2008	2:18.04	GARY MARSHALL	USA	2012	23.20	ROWDY GAINES	JPN	1994
8:35.87	A.STUDZINSKI	GER	2014	2:19.67	ED MOSES	USA	2011	23.28	RYK NEETHLING	RSA	2012
8:40.19	ROWDY GAINES	USA	1994	2:20.43	NICK GILLINGHAM	GBR	1999	23.28	M.GIALDI	ITA	2004
8:40.66	JULIEN BAILLOD	SUI	2014	2:21.25	HIROYUKI KOSAKA	JPN	2009	23.37	BRIAN JACOBSON	USA	2012
1500 M. FREE				2:21.28	TOMASZ DUSZYNSKI	POL	2008	23.53	SVEN GUSKE	GER	2009
15:25.79	JAN WOLFGARTEN	GER	2012	2:21.43	JACOB CARSTENSEN	DEN	2012	23.59	ALEKSEI MANZHULA	RUS	2015
16:30.41	ASUKA KOIZUMI	JPN	2009	2:22.36	TAKAHIRO MORI	JPN	2012	23.59	STEFAN VOLERY	SUI	1996
16:30.57	MARTIN HOHL	SUI	2013	2:22.62	KAZUYA KOIKE	JPN	2009	23.60	FELIPE DELGADO	USA	2009
16:33.70	IGOR PIOVESAN	ITA	2008	2:22.70	F.PAQUOT	FRA	2013	100 M. FREE			
16:34.31	DAVID GENET	FRA	2012	2:22.79	ADAM RITTER	USA	2015	50.78	HIDEAKI HARA	JPN	2009
16:35.67	SEBASTIAN WIESE	GER	2003	50 M. FLY				51.49	ROWDY GAINES	USA	1995
16:36.06	BOBBY PATTEN	USA	1993	23.26	ROLAND SCHOEMAN	USA	2013	51.98	SVEN LODZIEWSKI	GER	2004
16:38.24	JEFF ERWIN	USA	1998	24.59	KEVIN DOAK	USA	2012	52.15	RICHARD SAEGER	USA	2001
16:42.28	RON NEUGENT	USA	1991	24.61	ADAM PINE	AUS	2009	52.22	VLAD PYSHNENKO	USA	2006
16:42.60	ANDREA MARCATO	ITA	2005	24.73	OSWALDO QUEVEDO	USA	2006	52.23	MICHAEL ROSS	USA	2004
50 M. BACK				24.80	SERGEY MUKHIN	RUS	2015	52.27	TODD ROBINSON	AUS	2009
25.98	DARIAN TOWNSEND	USA	2014	24.84	DARIAN TOWNSEND	USA	2014	52.36	TAMAS KEREKJARTO	USA	2015
26.02	STEFAN HERBST	GER	2011	24.91	GARY HALL	USA	2005	52.55	CLAUS IVERSON	DEN	2015
26.42	KEVIN DOAK	USA	2012	25.02	OLEG LISOGOR	UKR	2011	52.68	R.LOCOCIOLO	ITA	2009
26.54	R.FLOREA	ROM	2010	25.02	ALEXANDER KAHL	GER	2007	200 M. FREE			
26.59	DERYA BUYUKUNCU	USA	2009	25.03	MATTEO SALOMONI	ITA	2015	1:52.84	VLAD PYSHNENKO	USA	2006
26.64	MARTIN HARRIS	GBR	2002	100 M. FLY				1:54.86	RICHARD SAEGER	USA	2001
26.68	V.SHIRSHOV	UKR	2011	53.11	ADAM PINE	AUS	2009	1:55.36	ROWDY GAINES	JPN	1994
26.77	RODRIGO TRIVINO	BRA	2015	53.65	DARIAN TOWNSEND	USA	2014	1:55.62	MICHAEL ROSS	USA	2006
26.89	VIKTOR AREFYEV	UKR	2005	54.19	I.GHERGHEL	ROM	2010	1:55.63	IOAN GHERGHEL	ROU	2015
26.99	ALEXEY ZATSEPIN	RUS	2015	54.83	KEVIN DOAK	USA	2012	1:55.68	JOCHEN BRUHA	GER	2004
100 M. BACK				55.01	TAMAS KEREKJARTO	USA	2009	1:55.77	CLAUS IVERSON	DEN	2015
55.93	DARIAN TOWNSEND	USA	2014	55.39	HIROKI NAKAZONO	JPN	2009	1:56.02	RONALD KARNAUGH	USA	2003
56.55	STEFAN HERBST	GER	2011	55.67	MATT HAUPT	USA	2010	1:56.31	HIDEAKI HARA	JPN	2012
57.24	MARTIN HARRIS	GBR	2000	55.92	MARIO MARSHALL	USA	2015	1:56.45	GUSTAVO HELENO	BRA	2011
57.46	R.FLOREA	ROM	2010	56.23	MARCO MACCIANTI	ITA	2013	400 M. FREE			
57.58	KEVIN DOAK	USA	2012	56.25	RAZVAN PETCU	USA	2004	4:05.91	PETAR STOYCHEV	GER	2012
57.67	ENRICO CATALANO	ITA	2015	200 M. FLY				4:06.73	GUSTAVO HELENO	BRA	2011
58.13	ALEXEY ZATSEPIN	RUS	2015	2:00.33	MIGUEL ALCALDE	ESP	2007	4:07.64	ROWDY GAINES	USA	1995
58.46	NAOYUKI WATANABE	JPN	2014	2:03.76	MATT HAUPT	USA	2010	4:09.74	DANIEL VERDAGUER	ESP	2006
58.61	MARCO MACCIANTI	ITA	2014	2:03.85	BOBBY PATTEN	USA	1995	4:10.15	CLAUS IVERSEN	DEN	2012
58.66	SEAN MURPHY	USA	1994	2:06.79	ASUKA KOIZUMI	JPN	2009	4:10.31	ERIK HOCHSTEIN	USA	2003
200 M. BACK				2:06.82	PHILIPPE MEYER	SUI	2005	4:10.54	IGOR PIOVESAN	ITA	2009
2:02.75	ROGERIO ROMERO	BRA	2000	2:06.84	IAN BECK	GBR	1996	4:12.44	SAMUELE PAMPANA	ITA	2015
2:04.43	R.FLOREA	ROM	2010	2:07.71	JAMES BELARDI	USA	1987	4:12.48	CHRIS FYDLER	AUS	2009
2:05.62	SEAN MURPHY	USA	1994	2:08.03	LOIC LEROY	FRA	2012	4:12.56	ANDREA MARCATO	ITA	2009
2:06.30	MARTIN HARRIS	GBR	2000	2:08.06	JULIEN BAILLOD	SUI	2011	800 M. FREE			
2:06.61	KEITH BEAVERS	CAN	2014	2:08.25	TAMAS KEREKJARTO	USA	2010				



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8:18.44	PETAR STOYCHEV	GER	2012	1:05.07	ALBERTO MONTINI	ITA	2004	4:46.79	DARIUSZ WOLNY	POL	1998
8:35.29	GUSTAVO HELENO	BRA	2011	1:05.38	VLADISLAV BRAGIN	RUS	2010				
8:38.73	ROWDY GAINES	USA	1996	1:05.58	ANDREY IVANOV	RUS	2015				
8:39.37	ANDREA MARCATO	ITA	2009	1:05.63	RONALD KARNAUGH	USA	2003				
8:39.49	IGOR PIOVESAN	ITA	2009	1:05.67	DAVID GUTHRIE	USA	1995				
8:41.16	DANIEL VERDAGUER	ESP	2006	200 M. BRST				50 M. FREE			
8:41.53	R SEAN JUSTICE	USA	2011	2:20.29	NICK GILLINGHAM	GBR	2004	23.30	STEPHAN VOLERY	SUI	2001
8:42.82	SAMUELE PAMPANA	ITA	2015	2:20.34	STEVE WEST	USA	2011	23.31	BRIAN JACOBSON	USA	2014
8:43.21	JULIEN BAILLOD	SUI	2015	2:21.87	RON KARNAUGH	USA	2001	23.47	LARS FROLANDER	SWE	2015
8:46.26	JIMMY FURRER	SUI	1996	2:22.80	KRASIMIR ZAHOV	BUL	2014	23.86	M.GIALDI	ITA	2008
1500 M. FREE				2:23.03	ANDREY IVANOV	RUS	2015	24.02	ISAMU TSUZUKI	JPN	2015
16:00.04	PETAR STOYCHEV	GER	2012	2:24.26	ALBERTO MONTINI	ITA	2004	24.02	VLADIMIR PREDKIN	RUS	2013
16:32.72	CHRISTOPHER DERKS	USA	2008	2:24.37	DAVID GUTHRIE	USA	1995	24.12	TOMMY RUNDGREN	FIN	2009
16:36.50	ANDREA MARCATO	ITA	2009	2:24.42	HIROYUKI KOSAKA	JPN	2011	24.14	DAVID BOATWRIGHT	USA	2003
16:37.34	ROWDY GAINES	USA	1995	2:24.44	STEPHAN PERROT	FRA	2015	24.23	TODD PACE	USA	2011
16:38.48	R SEAN JUSTICE	USA	2011	2:25.94	KAZUYA KOIKE	JPN	2015	24.24	ERIK HOCHSTEIN	USA	2008
16:40.90	IGOR PIOVESAN	ITA	2009	50 M. FLY				100 M. FREE			
16:45.04	MIKE SHAFFER	USA	2002	24.14	KOHEI KAWAMOTO	USA	2015	51.59	HIDEAKI HARA	JPN	2015
16:50.83	ERIK HOCHSTEIN	USA	2003	24.69	RYK NEETHLING	RSA	2012	51.72	VLAD PYSHNENKO	USA	2010
16:59.46	DANIEL VEATCH	USA	2001	24.75	MARK FOSTER	GBR	2005	52.10	ERIK HOCHSTEIN	USA	2009
16:59.50	GUSTAVO HELENO	BRA	2015	25.00	WADE KING	USA	2002	52.42	MICHAEL ROSS	USA	2009
50 M. BACK				25.10	LEONARDO GOMES	BRA	2009	52.55	CHRIS FYDLER	AUS	2012
26.99	STEV THELOKE	GER	2013	25.18	GLENN COUNTS	USA	2012	53.19	STEFAN OPATRIL	AUT	2009
27.03	EDILSON SILVA	USA	2009	25.22	MAKIO ENDO	JPN	2009	53.30	BRIAN JACOBSON	USA	2013
27.11	LEONARDO GOMES	BRA	2009	25.23	EIJI NOMURA	JPN	2010	53.31	TOMMY RUNDGREN	FIN	2009
27.21	OSAMU ITOI	JPN	2009	25.31	JAN KARLSSON	SWE	2005	53.45	RICH SAEGER	USA	2006
27.42	SIMON THIRSK	RSA	2013	25.41	DENIS SILANTJEV	UKR	2011	53.66	JOAKIM SJOHOLM	SWE	2004
27.44	ALEKSANDR SHILIN	RUS	2015	100 M. FLY				200 M. FREE			
27.45	KENICHI KANEKO	JPN	2015	55.35	IOAN GHERGHEL	ROU	2015	1:53.65	VLAD PYSHNENKO	USA	2010
27.47	VIKTOR AREFIEV	UKR	2012	55.43	TAMAS KEREKJARTO	USA	2015	1:55.06	MICHAEL ROSS	USA	2009
27.50	MICHAEL ROSS	USA	2004	55.62	BRENT CREAGER	USA	2015	1:55.06	RICH SAEGER	USA	2006
27.60	J CLAY BRITT	USA	1999	55.82	HIDEAKI HARA	JPN	2011	1:55.70	ERIK HOCHSTEIN	USA	2008
100 M. BACK				55.84	EIJI NOMURA	JPN	2009	1:58.50	KAI DITZEL	GER	2004
58.86	IOAN GHERGHEL	ROU	2015	56.07	MICHAEL ROSS	USA	2004	1:58.60	ROSS DAVIS	USA	2006
59.04	STEV THELOKE	GER	2013	56.28	STEPHEN MAVIN	GBR	2012	1:58.61	PAUL SMITH	USA	2001
59.18	MICHAEL ROSS	USA	2006	56.39	TYLER JOURDONNAIS	USA	2000	1:58.66	JOCHEN BRUHA	GER	2009
59.50	OSAMU ITOI	JPN	2009	56.41	BERNIE ZERUHN	USA	2006	1:58.66	JEFFREY UTSCH	USA	2008
59.53	MAURIZIO TERSAR	ITA	2015	56.60	JEFF STUART	USA	1996	1:58.74	JURE BUCAR	SLO	2006
59.65	JEFF COMMINGS	USA	2012	200 M. FLY				400 M. FREE			
59.91	ERIC ERICSON	USA	2000	2:04.76	BRENT CREAGER	USA	2015	4:06.74	ERIK HOCHSTEIN	USA	2009
1:00.00	RICK GOULD	USA	2006	2:05.98	TAMAS KEREKJARTO	USA	2015	4:11.55	DENNIS BAKER	USA	2004
1:00.07	SIMON THIRSK	RSA	2012	2:06.74	JEFF STUART	USA	1996	4:12.99	IGOR PIOVESAN	ITA	2014
1:00.13	J CLAY BRITT	USA	1999	2:07.13	BERNIE ZERUHN	USA	2006	4:13.65	MARK THOMPSON	AUS	2009
200 M. BACK				2:08.13	KIMITAKA MINOBE	JPN	2011	4:13.82	JURE BUCAR	SLO	2006
2:07.16	RON KARNAUGH	USA	2001	2:08.51	WILLIAM SPECHT	USA	1994	4:14.37	MICHAEL PRUFERT	GER	2006
2:09.26	DANIEL VEATCH	USA	2000	2:08.65	MIKE SHAFFER	USA	2002	4:14.54	PAUL LEMMON	AUS	2009
2:09.65	DARRYL FOLLOWS	NZL	2002	2:09.03	PHILIPPE MEYER	SUI	2006	4:15.57	BRETT PHILLIPS	USA	2001
2:09.67	A.PONTALTI	ITA	2012	2:09.10	FRANK WATTLES	USA	2007	4:15.71	MICHAEL KLEIBER	GER	2004
2:10.38	NICHOLAS GRANGER	FRA	2002	2:09.18	LOIC LEROY	FRA	2015	4:15.78	KAI DITZEL	GER	2004
2:10.59	RICK GOULD	USA	2006	2:09.18	JAMES BELARDI	USA	1992	800 M. FREE			
2:10.99	MAURIZIO TERSAR	ITA	2015	200 M. I.M.				8:37.81	ALEX KOSTICH	USA	2010
2:11.60	TAKAYUKI MIYASAKA	JPN	2012	2:05.64	RONALD KARNAUGH	USA	2003	8:41.65	JEFF ERWIN	USA	2005
2:12.18	DEREK GUFFEY	USA	2009	2:11.23	NICOLAS GRANGER	FRA	2002	8:44.89	DANIEL SERRA	ESP	2008
2:12.39	SIMON THIRSK	RSA	2012	2:11.54	ANTONINO TRIPPODO	ITA	2015	8:46.51	MICHAEL KLEIBER	GER	2005
50 M. BRST				2:12.03	TAMAS KEREKJARTO	USA	2014	8:46.61	MICHAEL PRUFERT	GER	2005
28.53	JEFF COMMINGS	USA	2009	2:12.11	JOCHEN HANZ	GER	2015	8:47.75	FREDERIK HVIID	USA	2014
28.80	VLADISLAV BRAGIN	RUS	2009	2:12.25	R.LOCOCIOLO	ITA	2010	8:48.69	JOSEPH RHYNE	USA	1999
29.09	WALLY DICKS	USA	1998	2:12.37	CLAUS IVERSEN	DEN	2012	8:49.38	RYAN COX	USA	2013
29.19	ANDRIY KULYK	UKR	2012	2:13.02	JEROME FRENTSOS	USA	2000	8:51.28	A.CHAMBERLAIN	GBR	2014
29.21	TIMO NOLTE	GER	2010	2:13.04	HIROYUKI KOSAKA	JPN	2011	8:51.45	STUART CROMARTY	USA	2004
29.40	KRASIMIR ZAHOV	BUL	2014	2:13.27	ALBERTO MONTINI	ITA	2007	1500 M. FREE			
29.40	SATORU UMEZAKI	JPN	2014	400 M. I.M.				16:36.91	ALEX KOSTICH	USA	2010
29.40	GERALD MORKEN	GER	1996	4:34.10	RON KARNAUGH	USA	2001	16:39.60	JEFF ERWIN	USA	2008
29.56	RODRIGO BARDI	BRA	2014	4:38.50	JULIEN BAILLOD	SUI	2015	16:45.53	MICHAEL KLEIBER	GER	2003
29.57	PETTERI LEHTINEN	FIN	2009	4:42.19	ANTONINO TRIPPODO	ITA	2015	16:48.68	TIMOTHY GALLAUDET	USA	2008
100 M. BRST				4:42.45	NICOLAS GRANGER	FRA	2002	16:51.19	FREDERIK HVIID	USA	2014
1:03.76	JEFF COMMINGS	USA	2013	4:43.17	JEROME FRENTSOS	USA	2000	16:54.95	MICHAEL PRUFERT	GER	2006
1:04.73	NICK GILLINGHAM	GBR	2004	4:44.98	JOCHEN HANZ	GER	2015	16:55.07	IGOR PIOVESAN	ITA	2014
1:04.91	STEVE WEST	USA	2011	4:45.47	DEREK GUFFEY	USA	2009	16:55.84	RYAN COX	USA	2013
1:04.97	KRASIMIR ZAHOV	BUL	2014	4:45.98	SANDRO TOMAS	CRO	2008	16:57.85	DAVID MECA	ESP	2014
1:05.00	WALLY DICKS	USA	2000	4:46.12	ASUKA KOIZUMI	JPN	2014	16:58.52	HESS YNTEMA	USA	1995



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50	M. BACK		25.57	MICHAEL ROSS	USA 2009	54.22	JAMES MONTGOMERY	USA 2002
27.30	OSAMU ITOI	JPN 2014	25.58	MASATO SAKAI	JPN 2015	54.39	VLADIMIR PREDKIN	RUS 2014
27.35	SERKAN ATASAY	TUR 2012	25.63	PETR GREGOR	CZE 2015	54.62	M.GIALDI	ITA 2013
27.38	EDILSON SILVA	BRA 2010	25.73	JAN KARLSSON	SWE 2010	54.78	STEFAN OPATRIL	AUT 2012
27.47	MICHAEL ROSS	USA 2008	25.73	STEVE HILTABIDDLE	USA 2009	54.79	KEITH SWITZER	USA 2009
27.81	ALEXEY KHOVRIN	RUS 2015	25.87	PAUL SMITH	USA 2000	200	M. FREE	
27.84	TAKATOSHI NUMATA	JPN 2015	100	M. FLY		1:57.75	NICOLAS GRANGER	FRA 2014
27.88	CLAY BRITT	USA 2002	56.17	SERKAN ATASAY	TUR 2011	1:57.89	KEITH SWITZER	USA 2009
27.95	CHRIS STEVENSON	USA 2008	56.43	MICHAEL ROSS	USA 2008	1:59.34	DENNIS BAKER	USA 2009
28.01	VLADIMIR SELKOV	RUS 2012	56.98	EIJI NOMURA	JPN 2015	1:59.37	KAI DITZEL	GER 2008
28.03	EDILSON JUNIOR	BRA 2013	57.22	MATA SANGUINETTY	VEN 2015	1:59.56	MARCUS MATTIOLI	BRA 2006
100	M. BACK		57.30	PETR GREGOR	CZE 2015	1:59.60	MARCO COLOMBO	ITA 2007
59.08	MICHAEL ROSS	USA 2009	57.41	MASATERU IKEDA	JPN 2012	2:00.09	FABIO CALMASINI	ITA 2014
59.36	SERKAN ATASAY	TUR 2012	57.57	PAUL CARTER	USA 2001	2:00.44	PAUL SMITH	USA 2006
59.81	JEFF COMMINGS	USA 2014	57.62	HENRY CLARK	USA 2005	2:00.68	EDUARDO MAROCCO	BRA 2013
1:00.39	OSAMU ITOI	JPN 2014	57.67	ALBERTO MONTINI	ITA 2009	2:00.89	DAN STEPHENSON	USA 2002
1:00.56	CHRIS STEVENSON	USA 2008	57.68	HIDEAKI HARA	JPN 2015	400	M. FREE	
1:00.62	EDILSON SILVA	BRA 2010	200	M. FLY		4:09.20	DENNIS BAKER	USA 2008
1:00.64	RICH SAEGER	USA 2006	2:05.55	DENNIS BAKER	USA 2004	4:11.07	KEITH SWITZER	USA 2009
1:00.83	RENE SAEZ	PUR 2014	2:09.47	WILLIAM SPECHT	USA 1998	4:13.86	NICOLAS GRANGER	FRA 2012
1:00.91	CLAY BRITT	USA 2002	2:10.20	MIKE SHAFFER	USA 2006	4:14.81	MARCUS MATTIOLI	BRA 2006
1:00.95	SEAN MURPHY	USA 2006	2:11.16	TOSHIYUKI IBE	JPN 2010	4:14.92	FABIO CALMASINI	ITA 2014
200	M. BACK		2:11.21	EIJI NOMURA	JPN 2012	4:16.20	MICHAEL PRUFERT	GER 2009
2:11.13	FREDERIK HVIID	USA 2014	2:11.49	ISAMU TSUZUKI	JPN 2014	4:17.21	MARK THOMPSON	AUS 2014
2:12.77	MARK VOGEL	DEN 2010	2:11.53	JAMES BELARDI	USA 1997	4:17.73	GREG STREPPPEL	CAN 2014
2:12.82	EDUARDO MAROCCO	BRA 2012	2:12.04	ANDREA MARCATO	ITA 2015	4:18.78	MICHAEL KLEIBER	GER 2009
2:13.31	RENE SAEZ	PUR 2014	2:12.36	UWE VOLK	GER 2012	4:18.93	JEFF ERWIN	USA 2009
2:13.37	SEAN MURPHY	USA 2006	2:12.43	HESS YNTEMA	USA 1996	800	M. FREE	
2:13.48	CHRIS STEVENSON	USA 2008	200	M. I.M.		8:40.79	FABIO CALMASINI	ITA 2015
2:14.37	ERIK HOCHSTEIN	USA 2009	2:10.63	ALBERTO MONTINI	ITA 2009	8:42.85	MARCUS MATTIOLI	BRA 2006
2:14.61	JOHN ENGS	USA 2006	2:12.41	PETER BERMEL	GER 2007	8:50.06	MICHAEL KLEIBER	GER 2009
2:14.71	DEKE BOTSFORD	CAN 2010	2:12.73	UWE VOLK	GER 2010	8:51.98	JEFF ERWIN	USA 2010
2:14.83	DANIEL VEATCH	USA 2006	2:14.13	ERIK HOCHSTEIN	USA 2009	8:52.20	MICHAEL PRUFERT	GER 2009
50	M. BRST		2:14.29	JEFF COMMINGS	USA 2014	8:57.10	MARK THOMPSON	AUS 2014
28.84	ALBERTO MONTINI	ITA 2009	2:14.39	LORENZO BENUCCI	USA 2007	8:58.50	RICARDO VALDIVIA	USA 2009
29.02	JEFF COMMINGS	USA 2014	2:15.10	JENS-PETER BERNDT	USA 2004	8:58.84	JIM MCCONICA	USA 1999
29.16	VLADISLAV BRAGIN	RUS 2012	2:15.36	BRIAN JACOBSON	USA 2014	8:59.81	GREG STREPPPEL	CAN 2014
29.32	SERGEY FIRICHENKO	RUS 2015	2:15.53	JAMES SORENSEN	USA 1998	9:00.43	PAUL LEMMON	AUS 2012
29.38	STEVE WEST	USA 2012	2:15.75	MICHAEL ROSS	USA 2009	1500	M. FREE	
29.46	ANDRIY KULYK	NCA 2014	400	M. I.M.		16:38.81	JEFF ERWIN	USA 2009
29.53	HIDEAKI TOGO	JPN 2012	4:43.00	UWE VOLK	GER 2012	16:57.17	RICARDO VALDIVIA	USA 2009
29.56	YOZO FUJII	JPN 2009	4:46.90	A.BORGIALLI	ITA 2014	16:58.68	MICHAEL KLEIBER	GER 2009
29.61	ALAN PESSOTTI	BRA 2014	4:47.01	PETER BERMEL	GER 2007	17:10.90	GEORGE TIDMARSH	USA 2005
29.81	YASUHIRO KOMORI	JPN 2013	4:48.32	ALBERTO MONTINI	ITA 2012	17:11.41	MICHAEL PRUFERT	GER 2009
100	M. BRST		4:49.34	DAVID MECA	ESP 2014	17:12.28	MARCUS MATTIOLI	BRA 2008
1:03.60	VLADISLAV BRAGIN	RUS 2012	4:49.42	DENNIS BAKER	USA 2005	17:16.00	FABIO CALMASINI	ITA 2015
1:03.76	STEVE WEST	USA 2012	4:49.62	DARIUSZ WOLNY	POL 2000	17:23.73	CALUM MCKINLAY	GBR 2009
1:05.04	ALBERTO MONTINI	ITA 2009	4:50.74	GUNTER GOTTFRIED	GER 2000	17:26.41	GREG STREPPPEL	CAN 2015
1:05.28	JEFF COMMINGS	USA 2014	4:50.95	DAVID WARREN	GBR 2012	17:28.77	BOBBY PATTEN	USA 2009
1:05.97	RICO ROLLI	ITA 2009	4:50.97	LORENZO BENUCCI	USA 2007	50	M. BACK	
1:06.15	SERGEY FIRICHENKO	RUS 2014	*****	*****	*****	28.05	STEVE WOOD	USA 2008
1:06.16	YOZO FUJII	JPN 2009		M E N 45-49		28.14	ANDE RASMUSSEN	USA 2008
1:06.37	VAL BAGRI	USA 2015	*****	*****	*****	28.25	FRITZ BEDFORD	USA 2011
1:06.60	MAKOTO ONODERA	JPN 2009	50	M. FREE		28.32	J CLAY BRITT	USA 2008
1:06.67	HIDEAKI TOGO	JPN 2012	23.98	VLADIMIR PREDKIN	RUS 2014	28.44	CHRIS STEVENSON	USA 2009
200	M. BRST		24.26	BRENT BARNES	JPN 2004	28.47	NICOLAS GRANGER	FRA 2015
2:18.94	ALBERTO MONTINI	ITA 2009	24.29	PAUL SMITH	USA 2006	28.59	EDILSON JUNIOR	BRA 2015
2:19.01	STEVE WEST	USA 2012	24.34	M.GIALDI	ITA 2013	28.60	EDUARDO MAROCCO	BRA 2014
2:23.09	VLADISLAV BRAGIN	RUS 2012	24.40	STEVE WOOD	USA 2008	28.77	JAY YARID	USA 2008
2:24.19	ROQUE SANTOS	USA 2008	24.50	ANDREA NICOLAO	ITA 2009	28.82	Y.NAKAHARA	JPN 2015
2:27.67	VAL BAGRI	USA 2015	24.50	ANDE RASMUSSEN	USA 2008	100	M. BACK	
2:28.25	DAISUKE MIYASAKA	JPN 2015	24.63	RICO ROLLI	ITA 2010	1:00.13	STEVE WOOD	USA 2008
2:28.54	DAVID GUTHRIE	USA 2000	24.69	GREG TULL	USA 2013	1:00.55	CHRIS STEVENSON	USA 2009
2:29.66	MAKOTO ONODERA	JPN 2010	24.72	METELLO SAVINO	ITA 2008	1:01.12	EDUARDO MAROCCO	BRA 2014
2:29.77	RON SCHAFER	USA 1998	100	M. FREE		1:01.40	RICK GOULD	USA 2015
2:29.99	TIMOUR PODMARER	RUS 1998	53.77	MARCO COLOMBO	ITA 2005	1:01.71	NICOLAS GRANGER	FRA 2012
50	M. FLY		53.90	JACK GROSELLE	USA 1999	1:02.07	J CLAY BRITT	USA 2006
25.06	EIJI NOMURA	JPN 2015	53.93	NICOLAS GRANGER	FRA 2015	1:02.22	RICH SAEGER	USA 2012
25.07	SERKAN ATASAY	TUR 2011	54.10	MATTHEW BIONDI	USA 2014	1:02.43	DEREK BOTSFORD	CAN 2014
25.51	JOHN BATES	AUS 2011	54.15	PAUL SMITH	USA 2008	1:02.44	HIROYOSHI MAETOGE	JPN 2012
25.54	MASATERU IKEDA	JPN 2012				1:02.59	Y.NAKAHARA	JPN 2015



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200 M. BACK		2:11.02 WILLIAM SPECHT	USA 2003	4:20.71 BOB BUGG	USA 2009
2:11.56 EDUARDO MAROCCO	BRA 2013	2:13.45 TOSHIYUKI IBE	JPN 2015	4:22.79 JOSEPH RHYNE	USA 2009
2:13.37 RICH SAEGER	USA 2012	2:13.69 M.CACCIAMANI	ITA 2011	4:24.31 DANIEL MACHEK	CZE 2009
2:14.32 NICOLAS GRANGER	FRA 2015	2:13.93 MIKE SHAFFER	USA 2014	4:24.41 FRANCIS CHRISTIAN	AUS 2008
2:15.83 CHRIS STEVENSON	USA 2011	2:14.96 JIM BELARDI	USA 2002	4:24.57 DARREN PHELAN	USA 2013
2:16.06 PAUL LEMMON	AUS 2012	2:15.24 A.LAVEGLIA	ITA 2012	4:27.07 MARK DRENNEN	USA 2006
2:16.78 TAIHEI SAKA	JPN 2009	2:15.72 FABIO CALMASINI	ITA 2014	800 M. FREE	
2:17.13 MARK VOGEL	DEN 2015	200 M. I.M.		8:55.05 MARCUS MATTIOLI	BRA 2010
2:17.37 KURT DICKSON	USA 2013	2:10.24 NICOLAS GRANGER	FRA 2015	8:56.31 RICARDO VALDIVIA	USA 2014
2:17.40 MICHAEL SODERLUND	USA 2010	2:14.90 JEROME FRENTSOS	USA 2010	9:00.39 KEITH SWITZER	USA 2013
2:17.54 Y.NAKAHARA	JPN 2015	2:15.07 ALBERTO MONTINI	ITA 2014	9:03.84 JIM MC CONICA	USA 2001
50 M. BRST		2:16.12 DENNIS BAKER	USA 2006	9:06.61 DAN STEPHENSON	USA 2007
29.63 RICO ROLLI	ITA 2011	2:16.21 SERGEY MARINIUK	USA 2014	9:11.16 MICHAEL KLEIBER	GER 2013
29.70 V.ZAGREBENKO	RUS 2009	2:16.32 TAIHEI SAKA	JPN 2009	9:11.84 BOB BUGG	USA 2009
29.90 JENS LUTSCHIN	GER 2009	2:16.83 LORENZO BENUCCI	USA 2014	9:13.23 DANIEL MACHEK	CZE 2009
29.96 YOZO FUJII	JPN 2014	2:17.04 PAUL LEMMON	AUS 2012	9:13.36 ARNALDO PEREZ	PUR 2014
30.06 NICOLAS GRANGER	FRA 2015	2:17.21 VLASENKO ALEXEI	RUS 2010	9:13.39 JOSEPH RHYNE	USA 2009
30.11 MAKOTO ONODERA	JPN 2012	2:18.58 MARCO COLOMBO	ITA 2007	1500 M. FREE	
30.27 RICHARD SCHROEDER	USA 2006	400 M. I.M.		17:08.33 JIM MCCONICA	USA 2000
30.41 F.SPINADIN	ITA 2014	4:43.83 NICOLAS GRANGER	FRA 2014	17:33.87 MICHAEL KLEIBER	GER 2014
30.41 GLEN CHRISTIANSEN	SWE 2002	4:47.65 JEROME FRENTSOS	USA 2010	17:34.04 MARCUS MATTIOLI	BRA 2011
30.49 V.PYLYPCHENKO	UKR 2009	4:48.36 ALBERTO MONTINI	ITA 2014	17:40.70 MARK DRENNEN	USA 2006
100 M. BRST		4:50.27 MARCUS MATTIOLI	BRA 2008	17:44.07 ARNALDO PEREZ	PUR 2015
1:05.95 NICOLAS GRANGER	FRA 2015	4:50.73 DENNIS BAKER	USA 2006	17:51.93 J.CARLOS FREITAS	POR 2015
1:06.35 V.PYLYPCHENKO	UKR 2009	4:55.26 SERGEY MARINIUK	USA 2014	17:52.24 LORENZO MARUGO	ITA 2004
1:06.67 RICO ROLLI	ITA 2010	4:55.65 FABIO CALMASINI	ITA 2014	17:59.45 MICHAEL PRUFERT	GER 2014
1:07.38 DAVID GUTHRIE	USA 2008	4:55.83 TAIHEI SAKA	JPN 2010	18:00.54 FRANCIS CHRISTIAN	AUS 2007
1:07.65 YOZO FUJII	JPN 2014	4:56.57 GREG STREPPPEL	CAN 2014	18:01.17 BUZZ HARPER	USA 2013
1:07.71 MAKOTO ONODERA	JPN 2014	4:56.92 PAUL LEMMON	AUS 2012	50 M. BACK	
1:07.75 HAJIME MORIMOTO	JPN 2014	*****		28.02 MARCUS MATTIOLI	BRA 2013
1:07.94 ALBERTO MONTINI	ITA 2015	M E N 50-54		28.60 STEVE WOOD	USA 2011
1:08.56 V.ZAGREBENKO	RUS 2009	*****		28.77 CLAY BRITT	USA 2014
1:08.74 ALEXEY VLASENKO	RUS 2012	*****		28.84 FRITZ BEDFORD	USA 2014
200 M. BRST		50 M. FREE		29.02 CRAIG NORREY	SUI 2014
2:24.39 ALBERTO MONTINI	ITA 2013	24.08 BRENT BARNES	JPN 2009	29.16 HIROYOSHI MAETOGE	JPN 2015
2:24.91 V.PYLYPCHENKO	UKR 2009	24.34 CALVIN MAUGHAN	RSA 2015	29.39 BRYAN JENNINGS	USA 2013
2:27.79 DAVID GUTHRIE	USA 2008	24.58 ROWDY GAINES	USA 2009	29.43 JAMIE FOWLER	USA 2009
2:30.67 ABRAHAM SOLANO	ECU 2014	24.60 RICHARD ABRAHAMS	USA 1998	29.51 MINAKOV VALERIJS	LAT 2010
2:31.97 MAKOTO ONODERA	JPN 2014	24.88 RICK ABBOTT	USA 2008	29.54 ANDERS RASMUSSEN	USA 2013
2:33.24 NICOLAS GRANGER	FRA 2014	24.89 JACK GROSELLE	USA 2004	100 M. BACK	
2:33.74 THOMAS LIGL	GER 2006	24.94 TRIP HEDRICK	USA 2006	1:01.89 STEVE WOOD	USA 2011
2:33.97 HAJIME MORIMOTO	JPN 2013	25.03 GARY SCHATZ	USA 2005	1:02.77 CLAY BRITT	USA 2014
2:34.32 TIMUR PODMAREV	RUS 2006	25.19 RICO ROLLI	ITA 2015	1:02.93 JAMIE FOWLER	USA 2009
2:35.03 RICARDO TORRES	PAN 2012	25.21 PAUL SMITH	USA 2009	1:03.44 MINAKOV VALERIJS	LAT 2010
50 M. FLY		100 M. FREE		1:03.48 HIROYOSHI MAETOGE	JPN 2015
25.65 NICHOLAS DECKER	USA 2012	54.61 ROWDY GAINES	JPN 2011	1:03.50 FRITZ BEDFORD	USA 2014
25.90 PAUL SMITH	USA 2006	54.80 CALVIN MAUGHAN	RSA 2015	1:03.71 CHRIS STEVENSON	USA 2014
26.03 ANDE RASMUSSEN	USA 2008	54.93 JACK GROSELLE	USA 2004	1:03.83 MICHAEL SODERLUND	USA 2012
26.09 JOHN CUNNINGHAM	IRL 2015	54.94 BOB BUGG	USA 2009	1:03.92 BRYAN JENNINGS	USA 2013
26.12 PAUL CARTER	USA 2002	55.11 DAN STEPHENSON	USA 2007	1:04.58 ANDERS RASMUSSEN	USA 2013
26.23 RICO ROLLI	ITA 2011	55.13 RICK ABBOTT	USA 2008	200 M. BACK	
26.26 VLADIMIR PREDKIN	RUS 2014	55.38 TRIP HEDRICK	USA 2006	2:17.57 MICHAEL SODERLUND	USA 2012
26.34 JOHN BATES	AUS 2015	55.42 PAUL SMITH	USA 2009	2:17.74 JAMIE FOWLER	USA 2009
26.35 WADE KING	USA 2012	55.49 STEVE WOOD	USA 2012	2:20.04 MATTHEW NANCE	USA 2015
26.38 TODD DREITZLER	USA 2015	55.68 AHMET NAKKAS	TUR 2015	2:20.51 TOM WOLF	USA 2004
26.38 STEVE HILTABIDDLE	USA 2011	200 M. FREE		2:20.53 BRYAN JENNINGS	USA 2013
100 M. FLY		2:00.34 DAN STEPHENSON	USA 2007	2:21.11 LEN GUSHE	CAN 2013
56.42 PAUL CARTER	USA 2002	2:01.40 BOB BUGG	USA 2009	2:21.78 ERWIN KRATZ	USA 2015
57.60 PAUL SMITH	USA 2008	2:02.14 MARCUS MATTIOLI	BRA 2012	2:21.85 DJAN MADRUGA	BRA 2010
58.35 NICOLAS GRANGER	FRA 2015	2:02.16 KEITH SWITZER	USA 2013	2:22.02 JIM TUCHLER	USA 2015
58.47 C.LUTOVOICH	ARG 2009	2:02.50 JIM MCCONICA	USA 2000	2:22.26 SCOTT SHAKE	USA 2009
58.97 NICHOLAS DECKER	USA 2012	2:03.31 RICH SAEGER	USA 2015	50 M. BRST	
59.10 CHRIS STEVENSON	USA 2009	2:03.51 ROWDY GAINES	JPN 2010	30.48 DAVID GUTHRIE	USA 2013
59.20 DENNIS BAKER	USA 2009	2:03.66 JACK GROSELLE	USA 2004	30.88 RICHARD SCHROEDER	USA 2012
59.38 WILLIAM SPECHT	USA 2003	2:03.95 MICHAEL SODERLUND	USA 2012	30.93 S.TAKAHASHI	JPN 2015
59.40 ANDERS RASMUSSEN	USA 2009	2:04.34 DANIEL MACHEK	CZE 2009	30.97 OLIVIER BORIOS	FRA 2009
59.60 ALBERTO MONTINI	ITA 2013	400 M. FREE		30.97 GARY PATTERSON	USA 2009
200 M. FLY		4:16.61 DAN STEPHENSON	USA 2007	31.37 DOUG MALCOLM	USA 2007
2:04.07 DENNIS BAKER	USA 2008	4:18.03 RICARDO VALDIVIA	USA 2014	31.49 STUART MOFFATT	AUS 2013
2:08.34 MARCUS MATTIOLI	BRA 2006	4:19.05 MARCUS MATTIOLI	BRA 2014	31.50 GLEN CHRISTIANSEN	SWE 2009
2:10.97 PAUL CARTER	USA 2002	4:19.47 JIM MCCONICA	USA 2000	31.52 ANDREY BARZHAK	RUS 2015



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31.64	ALEXANDR DERYABIN	RUS	2015	4:57.93	DARREN PHELAN	USA	2013	18:21.59	MARC JOUANDON	FRA	2012
31.64	ANDREA FLORIT	ITA	2010	5:02.51	DENNIS BAKER	USA	2013	18:27.25	SCOTT SHAKE	USA	2013
100 M. BRST				5:03.27	LORENZO MARUGO	ITA	2004	18:31.80	BRUCE THOMAS	USA	2015
1:06.98	DAVID GUTHRIE	USA	2014	5:03.76	DJAN MADRUGA	BRA	2010	18:33.99	GLENN CARLSEN	CAN	2013
1:09.23	RICHARD SCHROEDER	USA	2012	5:04.32	JAMIE FOWLER	USA	2009	18:35.85	J.CHATARD	FRA	2006
1:09.36	GARY PATTERSON	USA	2009	5:05.82	RICK COLELLA	USA	2001	18:40.63	PAUL BLACKBEARD	AUS	2014
1:09.57	JIM TUCHLER	USA	2015	5:06.27	IGNACIO JIMENEZ	USA	2015	18:41.25	MARTEN DE GROOT	NED	2014
1:09.85	S.TAKAHASHI	JPN	2015	5:06.60	HUGO BREGMAN	NED	2009	50 M. BACK			
1:10.08	V.PYLYPCHENKO	UKR	2014					29.01	CARLOS SILVA	BRA	2013
1:10.09	GLEN CHRISTIANSEN	SWE	2009	*****				29.07	STEVE WOOD	USA	2015
1:10.96	C.COENEY	USA	2015		M E N 55-59			30.01	TOM BARTON	USA	2011
1:11.45	ANDREA FLORIT	ITA	2010	*****				30.06	GLENN PATCHING	USA	2015
1:11.49	JACK GROSELLE	USA	2004		50 M. FREE			30.09	GARY HALL	USA	2009
200 M. BRST				24.45	BRENT BARNES	JPN	2015	30.48	ANDRE STEYNBERG	RSA	2012
2:27.91	DAVID GUTHRIE	USA	2013	25.01	JACK GROSELLE	USA	2009	30.56	VLADIMIR OSIPOV	UKR	2013
2:33.54	V.PYLYPCHENKO	UKR	2014	25.31	MIKE TENNANT	USA	2008	30.78	HUGH WILDER	USA	2004
2:34.62	JIM TUCHLER	USA	2015	25.53	RICHARD ABRAHAMS	USA	2002	30.79	ALISTAIR COCKBURN	USA	2008
2:34.70	TIMUR PODMAREV	RUS	2007	25.59	DOUG MARTIN	USA	2009	30.83	PHILIPP DJANG	USA	2009
2:35.08	LORENZO MARUGO	ITA	2004	25.74	PAUL TREVISAN	USA	2006	100 M. BACK			
2:37.20	C.COENEY	USA	2014	25.77	STEVE WOOD	USA	2015	1:03.50	STEVE WOOD	USA	2015
2:37.77	DAVE MILBURN	GBR	2012	25.98	BARRY ROTH	USA	2009	1:05.46	TOM BARTON	USA	2011
2:39.08	RICK COLELLA	USA	2001	25.99	LEONARD BIELICZ	SWE	2007	1:06.14	GARY HALL	USA	2009
2:39.35	NEWTON KAMINSKI	BRA	2015	26.00	JOHN FIELDS	USA	2012	1:07.27	JONATHAN KLEIN	USA	2014
2:39.43	PODMAREV TIMUR	RUS	2010	100 M. FREE				1:07.29	TIMOTHY SHEAD	RSA	2008
50 M. FLY				56.08	JACK GROSELLE	USA	2009	1:07.77	RASTISLAV PAVLIK	SVK	2015
25.88	PAUL CARTER	USA	2008	57.08	MICHAEL MANN	USA	2009	1:07.81	HUGH WILDER	USA	2002
26.23	TRIP HEDRICK	USA	2004	57.60	BRAD HORNER	USA	2009	1:07.90	IGOR KRAVKOV	ISR	2015
26.56	PAUL SMITH	USA	2009	57.76	BOB BUGG	USA	2012	1:07.91	SCOTT SHAKE	USA	2013
26.80	RAMON VOLCAN	VEN	2009	57.77	DAN STEPHENSON	USA	2014	1:08.20	SERGEY KOROTAEV	RUS	2015
26.83	RICK ABBOTT	USA	2008	57.83	CHARLES LEMAISTRE	USA	2009	1:08.20	WES EDWARDS	USA	2008
26.89	FRTZ BEDFORD	USA	2014	57.85	ALEXANDER MILLS	NOR	2006	200 M. BACK			
27.04	ANDERS RASMUSSEN	USA	2013	58.07	PAUL TREVISAN	USA	2006	2:22.68	CRAIG PETERSEN	USA	2015
27.08	CALVIN MAUGHAN	RSA	2015	58.11	PAUL BLACKBEARD	AUS	2013	2:23.84	TOM BARTON	USA	2011
27.10	HUGO BREGMAN	NED	2009	58.15	DOUG MARTIN	USA	2009	2:25.89	JIM MC CONICA	USA	2005
27.11	TAIHEI SAKA	JPN	2015	200 M. FREE				2:26.58	JIM SAUER	USA	2014
100 M. FLY				2:04.01	MICHAEL MANN	USA	2009	2:27.49	FRED FERROGGIARO	USA	2008
57.23	PAUL CARTER	USA	2008	2:04.02	MARCUS MATTIOLI	BRA	2015	2:27.99	SCOTT SHAKE	USA	2013
59.49	TRIP HEDRICK	USA	2004	2:05.82	JACK GROSELLE	USA	2009	2:28.85	WIESLAW MUSIAL	CAN	2012
59.67	HUGO BREGMAN	NED	2009	2:06.26	DAN STEPHENSON	USA	2012	2:29.06	HUGO BREGMAN	NED	2013
59.87	MARCUS MATTIOLI	BRA	2010	2:08.03	JIM MC CONICA	USA	2005	2:29.27	DJAN MADRUGA	BRA	2014
1:00.55	WILLIAM SPECHT	USA	2009	2:08.40	BOB BUGG	USA	2012	2:29.60	JOHN MARCH	AUS	2008
1:00.66	MAURO CAPPELLETTI	ITA	2015	2:08.59	PAUL BLACKBEARD	AUS	2013	50 M. BRST			
1:01.20	MIKE SHAFFER	USA	2015	2:08.65	JAMES RITTER	USA	2013	31.05	WALTER KUSCH	GER	2009
1:01.43	JOHN VAN BUUREN	CAN	2004	2:08.67	BRAD HORNER	USA	2009	31.10	DAVID GUTHRIE	USA	2015
1:01.46	JORGE FARIA	POR	2014	2:09.25	PHIL DODSON	USA	2008	32.07	TIMOTHY SHEAD	RSA	2008
1:01.48	CHRIS STEVENSON	USA	2014	400 M. FREE				32.23	GLEN CHRISTIANSEN	SWE	2012
200 M. FLY				4:22.49	MICHAEL MANN	USA	2009	32.43	LARRY GOLDEN	USA	2015
2:13.39	MARCUS MATTIOLI	BRA	2010	4:25.34	JIM MC CONICA	USA	2005	32.44	JACK GROSELLE	USA	2009
2:13.80	DENNIS BAKER	USA	2011	4:25.65	MARCUS MATTIOLI	BRA	2015	32.68	J.KOCHENDORFER	USA	2015
2:14.63	MAURO CAPPELLETTI	ITA	2015	4:32.87	DAN STEPHENSON	USA	2012	32.72	STUART ELLICOTT	AUS	2009
2:15.06	HUGO BREGMAN	NED	2009	4:33.42	STEVE PRESCOTT	NZL	2009	32.74	RANDY PARKER	USA	2009
2:16.38	MIKE SHAFFER	USA	2015	4:36.73	CRAIG PETERSEN	USA	2015	32.78	SERGEY PAKHOMOV	RUS	2015
2:18.57	PAUL CARTER	USA	2008	4:37.94	J.CHATARD	FRA	2006	100 M. BRST			
2:19.16	FRANCIS CHRISTIAN	AUS	2008	4:38.19	BOB BUGG	USA	2012	1:07.97	DAVID GUTHRIE	USA	2015
2:19.35	JOSEPH RHYNE	USA	2009	4:38.81	R TOD SPIEKER	USA	2003	1:11.13	TIMOTHY SHEAD	RSA	2008
2:20.46	WILLIAM SPECHT	USA	2009	4:39.18	MARTEN DE GROOT	NED	2013	1:12.15	TIMUR PODMARYOV	RUS	2015
2:21.28	ARNALDO PEREZ	PUR	2012	800 M. FREE				1:12.85	WALTER KUSCH	GER	2009
200 M. I.M.				9:00.09	MICHAEL MANN	USA	2009	1:12.87	G.HOFFMANN	USA	2011
2:18.05	JAMIE FOWLER	USA	2009	9:06.86	JIM MCCONICA	USA	2006	1:13.11	JACK GROSELLE	USA	2009
2:19.45	DARREN PHELAN	USA	2013	9:22.02	STEVE PRESCOTT	NZL	2009	1:13.42	GLEN CHRISTIANSEN	SWE	2012
2:19.79	MARCUS MATTIOLI	BRA	2010	9:32.37	DAN STEPHENSON	USA	2013	1:13.69	GREG SCOTT	USA	2015
2:20.02	MICHAEL MANN	USA	2008	9:35.87	TODD BRYAN	USA	2006	1:14.00	SERGEY PAKHOMOV	RUS	2015
2:20.48	JEROME FRENTSOS	USA	2015	9:37.39	CRAIG PETERSEN	USA	2015	1:14.11	SERGEY MOLODIN	RUS	2015
2:20.60	TAIHEI SAKA	JPN	2015	9:37.49	J.CHATARD	FRA	2006	200 M. BRST			
2:20.99	KEN SHILLING	USA	2008	9:38.61	SCOTT SHAKE	USA	2013	2:31.10	DAVID GUTHRIE	USA	2015
2:21.77	DENNIS BAKER	USA	2013	9:39.03	MARTEN DE GROOT	NED	2014	2:38.66	RICK COLELLA	USA	2008
2:22.41	ANDERS RASMUSSEN	USA	2013	9:39.82	BRUCE THOMAS	USA	2015	2:39.28	TIMUR PODMARYOV	RUS	2012
2:22.95	AHMET NAKKAS	TUR	2014	1500 M. FREE				2:41.54	TIMOTHY SHEAD	RSA	2008
400 M. I.M.				17:22.61	MICHAEL MANN	USA	2009	2:42.40	PATRICK ALLENDER	USA	2013
4:53.69	MARCUS MATTIOLI	BRA	2010	17:40.10	JIM MC CONICA	USA	2005	2:42.88	G.HOFFMANN	USA	2011
4:56.71	RICARDO VALDIVIA	USA	2014	18:19.49	STEVE PRESCOTT	NZL	2009	2:43.68	GLEN CHRISTIANSEN	SWE	2012



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2:44.22	RALPH SCHALLON	SUI	2009	26.88	BRUCE WILLIAMS	USA	2015	1:10.90	PHILIPP DJANG	USA	2014
2:44.30	ANDREY KOMISSAROV	USA	2015	26.92	STEVE BAXTER	USA	2014	1:11.02	DONALD GRAHAM	USA	2014
2:44.38	SERGEY MOLODIN	RUS	2015	100 M. FREE				1:11.18	TIMOTHY SHEAD	USA	2012
50 M. FLY				57.79	JACK GROSELLE	USA	2014	1:11.48	FRED FERROGGIARO	USA	2013
26.86	GARY HALL	USA	2009	58.61	RICHARD ABRAHAM	USA	2005	1:11.52	WES EDWARDS	USA	2013
27.08	GREG SHAW	USA	2007	59.04	RICK COLELLA	USA	2014	1:11.66	JEFFREY PEROUT	USA	2013
27.26	DAN THOMPSON	CAN	2014	59.57	DOUG MARTIN	USA	2014	1:11.89	RICHARD BURNS	USA	2006
27.31	PAUL CARTER	USA	2012	59.60	BRUCE WILLIAMS	USA	2014	1:11.90	GEOFF MYKLEBY	USA	2014
27.43	RICHARD ABRAHAM	USA	2002	59.66	TRIP HEDRICK	USA	2014	200 M. BACK			
27.47	HUGO BREGMAN	NED	2013	59.66	JAMES DE LACY	USA	2006	2:33.09	FRED FERROGGIARO	USA	2013
27.49	DAVID HAGUE	USA	2009	1:00.11	JEFF FARRELL	USA	1998	2:33.94	JIM MC CONICA	USA	2012
27.52	BRUCE KONE	USA	2015	1:00.15	PAUL TREVISAN	USA	2013	2:34.00	TIMOTHY SHEAD	RSA	2012
27.62	LARRY GOLDEN	USA	2015	1:00.27	DAVID QUIGGIN	USA	2004	2:35.28	ETTORE BOSCHETTI	ITA	2014
27.64	DOUG MARTIN	USA	2009	200 M. FREE				2:37.20	STEVEN HECK	USA	2009
100 M. FLY				2:09.24	JACK GROSELLE	USA	2014	2:37.55	ROBERT WEYHENKE	NED	2012
1:00.56	PAUL CARTER	USA	2012	2:12.57	JIM MC CONICA	USA	2010	2:39.01	JOHN CALVERT	USA	2006
1:01.05	GREG SHAW	USA	2006	2:12.69	FRED SCHLICHER	USA	2008	2:39.16	PHILIPP DJANG	USA	2014
1:01.29	HUGO BREGMAN	NED	2013	2:13.32	JAMES DE LACY	USA	2006	2:39.36	PETER O'BRIEN	CAN	2009
1:01.31	MARCUS MATTIOLI	BRA	2015	2:13.94	GRAHAM CROFT	AUS	2008	2:39.50	BARRY YOUNG	NZL	2002
1:01.83	BRAD HORNER	USA	2009	2:14.52	LARRY KRAUSER	USA	2013	50 M. BRST			
1:01.97	DAN THOMPSON	CAN	2014	2:15.35	DUNCAN MCCREADIE	FRA	2006	32.80	STUART ELLICOTT	AUS	2012
1:03.03	JIM SAUER	USA	2014	2:16.84	JAMES THORNTON	USA	2014	32.87	TIMOTHY SHEAD	USA	2012
1:03.24	LEONARD BIELICZ	SWE	2006	2:17.01	TERRY DOWNES	RSA	2009	33.41	ROBERT STRAND	USA	2008
1:03.33	STEVE WOOD	USA	2015	2:17.26	AKIRA IIDA	JPN	2014	33.67	WALTER KUSCH	GER	2015
1:03.33	BOB BUGG	USA	2012	400 M. FREE				33.71	RICK COLELLA	USA	2014
200 M. FLY				4:40.00	JIM MC CONICA	USA	2012	33.89	NEAL VESTAL	USA	2014
2:16.78	MARCUS MATTIOLI	BRA	2015	4:42.94	JACK GROSELLE	USA	2014	34.17	RANDY PARKER	USA	2015
2:18.97	BRAD HORNER	USA	2009	4:48.25	GRAHAM CROFT	AUS	2008	34.25	C.STARZEC	FRA	2011
2:19.18	HUGO BREGMAN	NED	2013	4:48.80	STEVEN PRESCOTT	NZL	2014	34.28	TOSHIHARU FUJII	JPN	2010
2:25.35	GREG SHAW	USA	2006	4:49.83	GEORGE WENDT	USA	2008	34.35	DIETER HOEFEL	GER	2009
2:25.52	JIM SAUER	USA	2014	4:50.99	DICK WORREL	USA	2014	100 M. BRST			
2:26.37	SCOTT LAUTMAN	USA	2008	4:51.23	DUNCAN MCCREADIE	GBR	2005	1:13.38	RICK COLELLA	USA	2013
2:26.76	PAUL BLACKBEARD	AUS	2013	4:51.99	M.CAFFERY	USA	2013	1:14.14	TIMOTHY SHEAD	USA	2012
2:27.22	JOHN MARCH	AUS	2008	4:52.10	RICK WALKER	USA	2010	1:15.42	ROBERT STRAND	USA	2008
2:27.59	FRANCIS CHRISTIAN	AUS	2012	4:52.88	LORENZO MARUGO	ITA	2012	1:15.50	STUART ELLICOTT	AUS	2012
2:28.62	JIM MC CONICA	USA	2006	800 M. FREE				1:16.37	JACK GROSELLE	USA	2014
200 M. I.M.				9:35.50	JIM MC CONICA	USA	2012	1:16.53	TOSHIHARU FUJII	JPN	2010
2:20.83	MICHAEL MANN	USA	2009	9:48.47	STEVEN PRESCOTT	NZL	2014	1:16.83	ALLEN STARK	USA	2009
2:22.50	JIM SAUER	USA	2014	9:55.71	LORENZO MARUGO	ITA	2012	1:17.21	RANDY PARKER	USA	2015
2:24.12	RICK COLELLA	USA	2008	9:59.99	SCOTT TOWNSEND	USA	2013	1:17.27	ROBERT WRIGHT	USA	2010
2:24.16	TIMOTHY SHEAD	RSA	2008	10:01.23	M.CAFFERY	USA	2013	1:17.50	KENNETH FROST	USA	2007
2:24.65	MARCUS MATTIOLI	BRA	2015	10:02.40	DUNCAN MCCREADIE	GBR	2005	200 M. BRST			
2:25.49	HUGO BREGMAN	NED	2013	10:06.75	SANDY GALLETLY	GBR	2002	2:40.46	RICK COLELLA	USA	2014
2:26.93	ANDREY KOMISSAROV	USA	2015	10:06.76	RICK WALKER	USA	2010	2:45.67	LORENZO MARUGO	ITA	2012
2:27.18	PAUL CARTER	USA	2012	10:06.94	GRAHAM CROFT	AUS	2008	2:45.71	TIMOTHY SHEAD	USA	2012
2:27.46	SERGEY MOLODIN	RUS	2015	10:09.12	JOHN CALVERT	USA	2006	2:50.44	ALLEN STARK	USA	2011
2:27.60	GREG SHAW	USA	2006	1500 M. FREE				2:50.77	ROBERT STRAND	USA	2008
400 M. I.M.				18:12.09	JIM MC CONICA	USA	2010	2:51.07	ROBERT WRIGHT	USA	2011
5:01.81	MARCUS MATTIOLI	BRA	2015	19:01.70	SCOTT TOWNSEND	USA	2013	2:51.68	RALPH SCHALLON	SUI	2014
5:04.07	MICHAEL MANN	USA	2009	19:06.93	M.CAFFERY	USA	2013	2:52.51	TOSHIHARU FUJII	JPN	2010
5:07.81	JIM SAUER	USA	2014	19:07.93	GEORGE WENDT	USA	2008	2:53.17	JIM CLEMMONS	USA	2010
5:17.10	JIM MC CONICA	USA	2005	19:16.50	BEN VAN DYKE	NZL	2010	2:53.69	GRAHAM PEARSON	GBR	2013
5:19.49	DJAN MADRUGA	BRA	2014	19:25.68	SANDY GALLETLY	GBR	2002	50 M. FLY			
5:22.27	HUGO BREGMAN	NED	2015	19:26.67	DUNCAN MCCREADIE	GBR	2005	27.92	RICHARD ABRAHAM	USA	2005
5:24.00	SERGEY MOLODIN	RUS	2015	19:27.55	DICK WORREL	USA	2014	28.14	DONALD GRAHAM	USA	2014
5:26.08	ANDREAS SEIBT	USA	2013	19:28.84	LARRY KRAUSER	USA	2013	28.45	DOUG MARTIN	USA	2015
5:26.63	JOHN CALVERT	USA	2000	19:30.32	JOEL KRIGER	BRA	2014	28.45	TRIP HEDRICK	USA	2014
5:26.70	DAN STEPHENSON	USA	2012	50 M. BACK				28.55	DINO BERNARDI	ITA	2008
				31.46	HUGH WILDER	USA	2007	28.58	STEVE BAXTER	USA	2014
				31.71	DONALD GRAHAM	USA	2014	28.69	GREG SHAW	USA	2012
				31.77	MARC MIDDLETON	USA	2011	28.79	JOEL BURNS	USA	2007
				31.88	BRUCE WILLIAMS	USA	2015	28.83	LAWRENCE DAY	USA	2011
				32.01	PHILIPP DJANG	USA	2014	28.87	MARC MIDDLETON	USA	2011
				32.11	RICHARD BURNS	USA	2003	100 M. FLY			
				32.20	TIMOTHY SHEAD	USA	2012	1:03.03	RICHARD ABRAHAM	USA	2005
				32.41	JEFFREY PEROUT	USA	2013	1:03.98	FRED SCHLICHER	USA	2008
				32.55	STEVEN HECK	USA	2009	1:05.82	LAWRENCE DAY	USA	2011
				32.58	YURY CHIRKOV	RUS	2009	1:06.03	KEVIN MCCORMACK	USA	2013
				100 M. BACK				1:06.63	ROBERT POILETMAN	USA	2003
				1:08.77	HUGH WILDER	USA	2007	1:06.65	JOEL BURNS	USA	2009
				1:10.45	BRUCE WILLIAMS	USA	2013	1:06.76	JACK GROSELLE	USA	2015



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1:06.91 DONALD GRAHAM USA 2014	2:22.72 CHRIS DUNN GBR 2012	34.69 C.STARZEC FRA 2015
1:07.15 GREG SHAW USA 2012	2:22.90 JEFF FARRELL USA 2002	34.95 ROBERT WRIGHT USA 2015
1:07.27 LEONARD BIELICZ SWE 2014	400 M. FREE	35.00 KENNETH FROST USA 2009
200 M. FLY	4:56.47 JIM MC CONICA USA 2015	35.30 JIM DRAGON USA 2009
2:29.05 LAWRENCE DAY USA 2011	4:58.71 RICK WALKER USA 2015	35.35 TOSHIHARU FUJII JPN 2015
2:31.58 FRED SCHLICHER USA 2008	5:00.26 TOM LANDIS USA 2007	35.56 YOSHIHIKO OSAKI JPN 2004
2:33.72 ROBERT POILETMAN USA 2003	5:01.81 FABRIZIO MOMONI ITA 2003	35.60 PETER ANDERSEN USA 2009
2:35.33 SCOTT LAUTMAN USA 2012	5:03.36 GRAHAM JOHNSTON USA 1996	35.78 ALLEN STARK USA 2014
2:39.84 PATRICK BERGER FRA 2014	5:03.77 CHRIS DUNN GBR 2011	100 M. BRST
2:40.12 JEAN LESTIDEAU FRA 2008	5:04.88 GLENN GRUBER USA 2014	1:18.11 KENNETH FROST USA 2009
2:40.23 STEVEN PRESCOTT NZL 2014	5:05.59 FRANK MCELROY USA 2013	1:18.49 C.STARZEC FRA 2015
2:40.70 TAKEO HIRAMOTO JPN 2014	5:06.57 DAVID QUIGGIN USA 2009	1:18.87 ROBERT STRAND USA 2012
2:42.39 PHIL DODSON USA 2013	5:06.67 JOEL WILSON USA 2014	1:19.16 ROBERT WRIGHT USA 2015
2:43.98 JEAN-MARIE CADIAT BEL 2013	800 M. FREE	1:19.88 ALLEN STARK USA 2014
200 M. I.M.	10:11.30 JIM MC CONICA USA 2015	1:19.89 DAVID GILDEA USA 2009
2:21.99 RICK COLELLA USA 2014	10:24.48 RICK WALKER USA 2015	1:20.28 TOSHIHARU FUJII JPN 2015
2:30.05 TIMOTHY SHEAD USA 2012	10:25.94 TOM LANDIS USA 2007	1:21.25 OSAMU MAEDA JPN 2009
2:30.72 FRED SCHLICHER USA 2008	10:26.60 FABRIZIO MOMONI ITA 2003	1:21.75 GERSHON SHEFA ISR 2008
2:32.63 TIM BRODERICK USA 2011	10:29.26 GRAHAM JOHNSTON USA 1997	1:21.84 HUBIE KERNS USA 2014
2:32.65 LAWRENCE DAY USA 2011	10:37.17 FRANK MCELROY USA 2013	200 M. BRST
2:34.23 ROBERT WEYHENKE NED 2012	10:39.24 DAN KIRKLAND USA 2014	2:56.96 ALLEN STARK USA 2014
2:34.86 STEVEN HECK USA 2009	10:39.76 GLENN GRUBER USA 2014	2:58.10 ROBERT WRIGHT USA 2015
2:35.15 LORENZO MARUGO ITA 2012	10:41.86 CHRIS DUNN GBR 2013	2:58.13 ROBERT STRAND USA 2012
2:36.07 JOHN CALVERT USA 2006	10:43.53 GRAHAM CROFT AUS 2013	2:58.34 TOSHIHARU FUJII JPN 2015
2:36.20 TOM REUDY USA 2014	1500 M. FREE	2:59.54 KENNETH FROST USA 2009
400 M. I.M.	19:33.36 JIM MC CONICA USA 2015	2:59.99 GERSHON SHEFA ISR 2008
5:08.20 RICK COLELLA USA 2014	19:52.62 RICK WALKER USA 2015	3:00.88 JIM CLEMMONS USA 2015
5:28.25 LAWRENCE DAY USA 2011	20:00.97 TOM LANDIS USA 2008	3:01.93 C.STARZEC FRA 2015
5:29.55 LORENZO MARUGO ITA 2012	20:04.28 GEORGE WENDT USA 2012	3:02.13 MICHAEL MOLONEY AUS 2004
5:30.46 TIMOTHY SHEAD USA 2012	20:08.74 FABRIZIO MOMONI ITA 2004	3:02.85 RICHARD TODD USA 2008
5:30.99 FRED SCHLICHER USA 2008	20:16.54 GRAHAM JOHNSTON USA 1996	50 M. FLY
5:36.75 STEVEN PRESCOTT NZL 2014	20:23.74 CHRIS DUNN GBR 2012	28.54 JOSEF CLARET ESP 2009
5:37.64 JIM CLEMMONS USA 2010	20:27.72 VICTOR PAUL AUS 2009	28.68 KEEFE LODWIG USA 2008
5:40.42 J.LESTIDEAU FRA 2007	20:29.15 DAN KIRKLAND USA 2014	28.69 JIM DRAGON USA 2009
5:41.07 JOHN CALVERT USA 2006	20:29.63 JOEL WILSON USA 2013	29.25 RICHARD ABRAHAMS USA 2010
5:43.77 GEORGE WENDT USA 2008	50 M. BACK	30.13 ROBERT OLSON USA 2009
*****	30.95 HUGH WILDER USA 2012	30.23 BORIS RUZHITSKY RUS 2009
M E N 65-69	32.19 RICHARD BURNS USA 2009	30.33 TOMOYASU IIDA JPN 2006
*****	33.50 BERND HORSTMANN GER 2008	30.47 ROBERT WRIGHT USA 2015
50 M. FREE	33.54 YOSHI OYAKAWA USA 1999	30.49 LEE CHILDS USA 2013
26.33 RICHARD ABRAHAMS USA 2010	33.58 VINUS VAN BAALEN USA 2007	30.51 DAVID QUIGGIN USA 2009
27.15 JEFF FARRELL USA 2002	33.72 JOZSEF CSIKANY HUN 2008	100 M. FLY
27.31 VINUS VAN BAALEN USA 2007	33.75 TAKEO HIRAMOTO JPN 2015	1:07.34 RICHARD ABRAHAMS USA 2010
27.37 KEEFE LODWIG USA 2008	33.87 ROBERT SMITH USA 2008	1:07.78 JOSEF CLARET ESP 2009
27.50 IAN SMITH CAN 2009	33.98 JOSE LORO BRA 2015	1:09.60 ROBERT POILETMAN USA 2009
27.60 DAVID QUIGGIN USA 2009	34.07 LUIZ FIGUEIREDO BRA 2007	1:09.98 FRED BAIRD USA 2013
27.63 JAMES ELDER USA 2008	100 M. BACK	1:10.12 TAKEO HIRAMOTO JPN 2015
27.65 ROBERT SMITH USA 2008	1:09.79 HUGH WILDER USA 2012	1:10.22 BORIS RUZHITSKIY RUS 2009
27.67 BRYAN BATEMAN USA 2012	1:11.32 RICHARD BURNS USA 2009	1:10.80 DEREK PARR GBR 2009
27.78 LEE CHILDS USA 2013	1:13.82 BERND HORSTMANN GER 2009	1:12.27 HUBIE KERNS USA 2014
100 M. FREE	1:14.96 JOZSEF CSIKANY HUN 2009	1:12.78 BARRY YOUNG NZL 2004
1:00.38 RICHARD ABRAHAMS USA 2010	1:15.69 LUIZ FIGUEIREDO BRA 2006	1:12.93 TOMOYASU IIDA JPN 2006
1:01.05 DAVID QUIGGIN USA 2009	1:15.74 JOSE LORO BRA 2015	200 M. FLY
1:01.30 KEEFE LODWIG USA 2009	1:16.76 DIETER SEIFERT GER 2013	2:41.92 TAKEO HIRAMOTO JPN 2015
1:02.33 LEE CHILDS USA 2013	1:16.78 YOSHI OYAKAWA USA 1999	2:47.60 DEREK PARR GBR 2009
1:02.62 TOM LANDIS USA 2008	1:17.23 BARRY YOUNG NZL 2006	2:49.73 JOEL WILSON USA 2015
1:02.79 GERHARD SCHILLER GER 2015	1:17.36 MIKLOS KOVATS HUN 2005	2:50.18 ROBERT POILETMAN USA 2009
1:02.79 JEFF FARRELL USA 2002	200 M. BACK	2:50.38 HUBIE KERNS USA 2014
1:02.81 IAN SMITH CAN 2009	2:40.95 BERND HORSTMANN GER 2008	2:51.07 BARRY YOUNG NZL 2004
1:02.84 JAMES ELDER USA 2008	2:41.76 RICHARD BURNS USA 2009	2:51.83 J.LESTIDEAU FRA 2012
1:02.93 CAV CAVANAUGH USA 2001	2:42.96 JOZSEF CSIKANY HUN 2008	2:52.19 FRED BAIRD USA 2013
200 M. FREE	2:44.37 HUGH WILDER USA 2012	2:54.46 RUDOLF SMERDA CZE 2008
2:18.53 TOM LANDIS USA 2008	2:48.99 DAN KIRKLAND USA 2015	2:55.11 FRANK MCELROY USA 2013
2:20.37 DAVID QUIGGIN USA 2009	2:49.70 JOSE LORO BRA 2015	200 M. I.M.
2:21.74 ROBERTO ALBERICHE ESP 1996	2:49.82 GEORGE SCHMIDT USA 2015	2:39.23 HUBIE KERNS USA 2014
2:22.04 GLENN GRUBER USA 2014	2:50.38 HUBIE KERNS USA 2014	2:41.20 ALEK SHESTAKOV USA 2014
2:22.18 GRAHAM JOHNSTON USA 1996	2:50.44 MIKLOS KOVATS HUN 2005	2:43.37 RICHARD BURNS USA 2009
2:22.26 KEEFE LODWIG USA 2009	2:50.79 DANNY WALMSLEY CAN 2014	2:44.41 LEE CHILDS USA 2013
2:22.51 RICHARD BURNS USA 2009	50 M. BRST	2:44.44 GERSHON SHEFA ISR 2008
2:22.71 GRAHAM CROFT AUS 2013	34.61 OSAMU MAEDA JPN 2009	2:44.53 JIM CLEMMONS USA 2015
	34.66 ROBERT STRAND USA 2012	2:45.17 BARRY YOUNG NZL 2004



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2:45.64	J. LESTIDEAU	FRA	2011	11:34.12	MASATO YOSHINO	JPN	2009	3:07.93	KENNETH FROST	USA	2014
2:45.64	BERND HORSTMANN	GER	2009	11:35.33	DAVID HARRISON	USA	2007	3:09.27	TONY GOODWIN	AUS	2008
2:47.65	ROBERT WRIGHT	USA	2015	1500 M. FREE				3:11.67	CLAUDIO NEGRI	ITA	2006
400 M. I.M.				20:36.56	GRAHAM JOHNSTON	USA	2001	3:12.61	HANS REICHEL	GER	2008
5:50.98	ALEK SHESTAKOV	USA	2014	21:07.50	DAVID RADCLIFF	USA	2008	3:14.76	THOMAS WALKER	GBR	2006
5:51.91	HUBIE KERNS	USA	2014	21:12.56	TOM LANDIS	USA	2012	3:15.07	DAVID GILDEA	USA	2013
5:52.50	GEORGE WENDT	USA	2012	21:49.74	WERNER SCHNABEL	GER	2006	3:15.21	MASARU SHINKAI	JPN	2013
5:52.79	BARRY YOUNG	NZL	2004	21:50.53	DAVID QUIGGIN	USA	2015	3:15.70	YOSHIKI AOKI	JPN	2008
5:55.49	GERSHON SHEFA	ISR	2008	21:53.77	BURWELL JONES	USA	2005	50 M. FLY			
6:01.74	FRANK MCELROY	USA	2013	22:01.12	JOHN CRISP	AUS	2005	30.06	RICHARD ABRAHAMS	USA	2015
6:02.99	JIM CLEMMONS	USA	2015	22:03.95	MASATO YOSHINO	JPN	2010	31.20	RICHARD BURNS	USA	2015
6:03.31	TOM LANDIS	USA	2007	22:06.67	YASUSHI YAMAGUCHI	JPN	2009	31.28	JOSEF CLARET	ESP	2014
6:04.24	J. LESTIDEAU	FRA	2012	22:08.77	VICTOR PAUL	AUS	2014	31.37	JIM DRAGON	USA	2014
6:05.15	ROBERTO ALBERICHE	ESP	1996	50 M. BACK				31.49	HIROSHI MATSUMOTO	JPN	2007
*****				33.59	RICHARD BURNS	USA	2013	31.91	HARRY GREENFIELD	USA	2015
M E N 70-74				34.90	BERND HORSTMANN	GER	2012	31.95	BORIS RUZHITSKIY	RUS	2014
*****				35.31	YOSHI OYAKAWA	USA	2003	31.95	BERND SCHRODER	GER	2013
50 M. FREE				35.54	JOZSEF CSIKANY	HUN	2013	31.95	Y. FUNAHASHI	JPN	2010
27.71	RICHARD ABRAHAMS	USA	2015	35.83	S. SEKIKAWA	JPN	2003	31.97	DAVID QUIGGIN	USA	2014
28.35	IAN SMITH	CAN	2011	36.20	RICHARD ALEXANDER	USA	2014	100 M. FLY			
28.46	DAVID QUIGGIN	USA	2015	36.23	MIKLOS KOVATS	HUN	2010	1:12.66	RICHARD ABRAHAMS	USA	2015
28.46	WOLFRAM GOTTFRIED	GER	2004	36.46	KATSUYUKI SUZUKI	JPN	2015	1:14.20	ROBERT POILETMAN	USA	2013
28.53	JEFF FARRELL	USA	2007	36.49	FRANS VAN ENST	NED	2011	1:14.47	JOSEF CLARET	ESP	2014
28.55	JAMES ELDER	USA	2013	36.57	GERHARD WIELAND	AUT	2015	1:15.79	RICHARD BURNS	USA	2015
28.65	CAV CAVANAUGH	USA	2005	100 M. BACK				1:16.04	KOJI IWAMOTO	JPN	2012
28.66	RONALD JOHNSON	USA	2001	1:15.13	RICHARD BURNS	USA	2013	1:16.18	BARRY YOUNG	NZL	2009
28.85	PETER BERGEGREN	SWE	2008	1:15.24	BARRY YOUNG	NZL	2009	1:16.80	DEREK PARR	GBR	2014
28.94	B. SCHLURIKE	GER	1991	1:16.14	BERND HORSTMANN	GER	2013	1:17.41	RUDOLF SMERDA	CZE	2013
100 M. FREE				1:18.29	JOZSEF CSIKANY	HUN	2015	1:18.02	AKIRA TAKAKURA	JPN	2014
1:03.32	DAVID QUIGGIN	USA	2015	1:19.12	YOSHI OYAKAWA	USA	2004	1:18.18	T. TAKESHITA	JPN	2012
1:03.71	RICHARD ABRAHAMS	USA	2015	1:19.14	BURWELL JONES	USA	2003	200 M. FLY			
1:04.85	RICHARD BURNS	USA	2013	1:19.69	GERHARD WIELAND	AUT	2015	2:53.26	BARRY YOUNG	NZL	2009
1:05.40	CAV CAVANAUGH	USA	2005	1:20.74	MIKLOS KOVATS	HUN	2010	2:59.21	ROBERT POILETMAN	USA	2013
1:05.57	GERHARD WIELAND	AUT	2015	1:20.93	S. SEKIKAWA	JPN	2003	3:04.35	GUNTER SCHOPKE	GER	2010
1:05.79	JAMES ELDER	USA	2014	1:22.13	MARTY MENNEN	USA	2009	3:08.06	TAISUKE MIYAZAKI	JPN	2009
1:05.81	WOLFRAM GOTTFRIED	GER	2002	200 M. BACK				3:08.50	RUDOLF SMERDA	CZE	2013
1:05.86	KEEFE LODWIG	USA	2013	2:44.59	RICHARD BURNS	USA	2013	3:10.53	RICHARD KITCHELL	USA	2010
1:05.92	AKIRA FUJIMAKI	JPN	2014	2:48.10	BARRY YOUNG	NZL	2009	3:12.79	DEREK PARR	GBR	2014
1:06.18	RONALD JOHNSON	USA	2001	2:49.85	BERND HORSTMANN	GER	2013	3:13.74	CLAUDIO NEGRI	ITA	2008
200 M. FREE				2:53.46	JOZSEF CSIKANY	HUN	2015	3:13.81	JOACHIM HINTZE	GER	2012
2:24.41	DAVID QUIGGIN	USA	2014	2:55.19	BURWELL JONES	USA	2005	3:14.18	DAVID MCLACHLAN	RSA	2008
2:26.20	DAVID RADCLIFF	USA	2008	2:58.62	S. SEKIKAWA	JPN	2003	200 M. I.M.			
2:27.83	RICHARD BURNS	USA	2013	2:58.88	MARTY MENNEN	USA	2006	2:44.36	BARRY YOUNG	NZL	2009
2:28.37	CAV CAVANAUGH	USA	2005	2:59.52	MIKLOS KOVATS	HUN	2010	2:55.13	RICHARD BURNS	USA	2013
2:28.42	TOM LANDIS	USA	2012	3:01.03	KARL DONOGHUE	CAN	2010	2:56.72	TOM LANDIS	USA	2012
2:29.15	KEEFE LODWIG	USA	2013	3:01.26	YOSHI OYAKAWA	USA	2003	2:57.68	ED REED	USA	2014
2:29.45	GRAHAM JOHNSTON	USA	2001	50 M. BRST				2:58.06	BURWELL JONES	USA	2003
2:30.11	KARL-LUDWIG REHN	GER	2010	36.86	DIETER HOEFEL	GER	2015	2:58.31	KENNETH FROST	USA	2014
2:31.54	AKIRA FUJIMAKI	JPN	2015	37.23	YOSHIHIKO OSAKI	JPN	2009	2:58.81	JACK KELSO	CAN	2010
2:31.76	MASATO YOSHINO	JPN	2010	37.34	KENNETH FROST	USA	2014	2:59.75	GERSHON SHEFA	ISR	2013
400 M. FREE				37.47	KARL WIEDAMANN	USA	2008	2:59.90	RONALD JOHNSON	USA	2001
5:12.05	GRAHAM JOHNSTON	USA	2001	37.68	PETER ANDERSEN	USA	2013	2:59.95	BERND HORSTMANN	GER	2013
5:17.20	DAVID RADCLIFF	USA	2008	37.93	AKIO SUGIYAMA	JPN	2004	400 M. I.M.			
5:19.29	DAVID QUIGGIN	USA	2015	37.96	CHARLES BALDWIN	USA	2000	5:57.81	BARRY YOUNG	NZL	2009
5:21.27	TOM LANDIS	USA	2012	37.98	JOHN KORTHEUER	USA	2001	6:24.76	TOM LANDIS	USA	2012
5:24.85	JOHN CRISP	AUS	2006	37.99	JAN JOHANSEN	DEN	2012	6:30.58	RUDOLF SMERDA	CZE	2014
5:25.70	WERNER SCHNABEL	GER	2006	38.06	YURII MARENKOV	RUS	2013	6:31.03	ED REED	USA	2014
5:26.46	KEEFE LODWIG	USA	2013	100 M. BRST				6:32.11	BURWELL JONES	USA	2003
5:28.64	BURWELL JONES	USA	2005	1:23.65	KENNETH FROST	USA	2014	6:32.30	MASAO KIJIMA	JPN	2011
5:29.04	BARRY YOUNG	NZL	2009	1:24.12	DAVID GILDEA	USA	2013	6:34.43	GRAHAM JOHNSTON	USA	2001
5:29.24	CAV CAVANAUGH	USA	2005	1:24.71	KARL WIEDAMANN	USA	2008	6:41.36	IKURO SHIMONO	JPN	2009
800 M. FREE				1:25.25	ANTONIO ORSELLI	BRA	2012	6:43.66	JURGEN ALTENHOFEN	GER	2014
10:45.92	GRAHAM JOHNSTON	USA	2002	1:25.53	TONY GOODWIN	AUS	2007	6:43.80	MIKE FRESHLEY	USA	2012
10:49.02	DAVID RADCLIFF	USA	2006	1:26.25	BARRY YOUNG	NZL	2009	*****			
11:19.41	JOHN CRISP	AUS	2005	1:26.40	DIETER HOEFEL	GER	2015	M E N 75-79			
11:19.55	BURWELL JONES	USA	2005	1:26.41	TETSUO NAKAMARU	JPN	2005	*****			
11:20.69	TOM LANDIS	USA	2012	1:26.70	THOMAS WALKER	GBR	2005	50 M. FREE			
11:25.71	ERNIE LESKOVITZ	USA	2006	1:26.78	MICHAEL MOLONEY	AUS	2009	30.28	DAVID RADCLIFF	USA	2009
11:26.75	DAVID QUIGGIN	USA	2015	200 M. BRST				30.40	TSUTOMU EBIHARA	JPN	2015
11:33.11	WERNER SCHNABEL	GER	2006	3:04.79	MICHAEL MOLONEY	AUS	2009	30.63	SHINGO YAMAMOTO	JPN	2008
				3:07.50	KARL WIEDAMANN	USA	2008				



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30.78	HIROSHI MATSUMOTO	JPN	2011	38.83	HELMUT RICHTER	GER	2014	1:26.41	GUNTER SCHOPKE	GER	2015
30.82	DONALD HILL	USA	2009	39.24	PAUL HUTINGER	USA	2000	1:27.82	JOAQUIN CANALES	ESP	2015
31.14	ALDO EMINENTE	FRA	2006	100 M. BACK				1:28.30	GIULIO DIVANO	ITA	2009
31.19	HELMUT RICHTER	GER	2015	1:20.98	BURWELL JONES	USA	2009	1:28.44	CHITOSHI KONISHI	JPN	2015
31.19	FRANK PIEMME	USA	2000	1:21.52	YOSHI OYAKAWA	USA	2008	1:28.67	DAVID MCLACHLAN	RSA	2012
31.32	JOHN SMITH	USA	2013	1:22.05	S.SEKIKAWA	JPN	2009	1:28.72	WERNER MULLER	GER	2008
31.33	ETTORE FARDELLO	ITA	2012	1:25.84	FRANS VAN ENST	NED	2015	1:29.16	GENICHI IGARASHI	JPN	2011
100 M. FREE				1:26.00	CLARKE MITCHELL	USA	2007	1:29.31	RICHARD KITCHELL	USA	2015
1:06.63	DAVID RADCLIFF	USA	2009	1:26.00	KEIJIRO NAKAMURA	JPN	1998	200 M. FLY			
1:10.02	SHINGO YAMAMOTO	JPN	2008	1:26.55	MARTY MENNEN	USA	2011	3:18.12	RICHARD KITCHELL	USA	2015
1:10.38	GRAHAM JOHNSTON	USA	2006	1:26.59	MIKLOS KOVATS	HUN	2015	3:22.72	GUNTER SCHOPKE	GER	2015
1:10.49	HIROSHI MATSUMOTO	JPN	2012	1:27.13	T.HASHIMOTO	JPN	2015	3:26.21	DAVID MCLACHLAN	RSA	2012
1:11.62	WILL GOSNOLD	USA	2015	1:27.24	MAMPEI SEINO	JPN	2007	3:26.28	TAKASHI HAYASHI	JPN	2008
1:11.78	HELMUT RICHTER	GER	2014	200 M. BACK				3:31.90	WERNER MULLER	GER	2009
1:11.83	BURWELL JONES	USA	2008	2:57.72	BURWELL JONES	USA	2010	3:33.34	GIULIO DIVANO	ITA	2010
1:12.63	MASATO YOSHINO	JPN	2013	3:04.07	S.SEKIKAWA	JPN	2010	3:33.50	LAURI MALK	FIN	2012
1:12.78	WERNER SCHNABEL	GER	2011	3:07.08	MARTY MENNEN	USA	2011	3:34.30	MAURICE LUSIEN	FRA	2001
1:13.18	H.TAKAHASHI	JPN	2011	3:10.15	T.HASHIMOTO	JPN	2015	3:34.82	CLAUDIO NEGRI	ITA	2012
200 M. FREE				3:10.25	ROGER FRANKS	USA	2002	3:35.90	KARL HAUTER	GER	2001
2:25.66	DAVID RADCLIFF	USA	2009	3:10.36	KARL DONOGHUE	CAN	2015	200 M. I.M.			
2:35.32	BURWELL JONES	USA	2009	3:10.53	FRANS VAN ENST	NED	2015	3:06.58	BURWELL JONES	USA	2009
2:36.30	GRAHAM JOHNSTON	USA	2006	3:10.64	KEIJIRO NAKAMURA	JPN	1998	3:07.29	GERHARD HOLE	GER	2010
2:40.79	MASATO YOSHINO	JPN	2013	3:13.03	YOSHI OYAKAWA	USA	2008	3:09.33	IKURO SHIMONO	JPN	2012
2:41.06	IKURO SHIMONO	JPN	2013	3:13.56	BARRY YOUNG	NZL	2014	3:11.78	JOAQUIN CANALES	ESP	2015
2:41.39	WERNER SCHNABEL	GER	2012	50 M. BRST				3:12.48	DAVID MCLACHLAN	RSA	2012
2:43.81	IGOR BROVIN	RUS	2009	39.65	HANS REICHELT	GER	2011	3:13.53	GRAHAM JOHNSTON	USA	2006
2:43.98	LAURI MALK	FIN	2012	39.92	TONY GOODWIN	AUS	2012	3:16.31	BELA FABIAN	HUN	2012
2:44.40	YASUSHI YAMAGUCHI	JPN	2014	40.01	TETSUO NAKAMARU	JPN	2010	3:18.35	FRANK PIEMME	USA	2000
2:44.97	ANRI VERESHCHAGIN	RUS	2009	40.20	MIKHAIL FARAFONOV	RUS	2012	3:18.74	HOWARD ROLSTON	USA	2015
400 M. FREE				40.38	TOSHIO TAJIMA	JPN	2000	3:18.81	GIULIO DIVANO	ITA	2010
5:17.77	DAVID RADCLIFF	USA	2009	40.41	DON BIDWELL	NZL	2009	400 M. I.M.			
5:32.06	GRAHAM JOHNSTON	USA	2006	40.44	WERNER MULLER	GER	2008	6:48.48	BURWELL JONES	USA	2009
5:33.42	BURWELL JONES	USA	2009	40.49	HIROFUMI HOSOTANI	JPN	2010	6:57.53	MASARU SHINKAI	JPN	2015
5:39.94	JOHN CRISP	AUS	2010	40.56	BELA FABIAN	HUN	2012	6:58.19	GIULIO DIVANO	ITA	2009
5:43.90	IKURO SHIMONO	JPN	2013	40.61	MASARU SHINKAI	JPN	2015	7:03.86	JOAQUIN CANALES	ESP	2015
5:43.91	WERNER SCHNABEL	GER	2011	100 M. BRST				7:08.74	GRAHAM JOHNSTON	USA	2007
5:44.68	MASATO YOSHINO	JPN	2014	1:29.35	TONY GOODWIN	AUS	2012	7:10.29	DAVID MCLACHLAN	RSA	2012
5:48.71	YASUSHI YAMAGUCHI	JPN	2014	1:29.55	TETSUO NAKAMARU	JPN	2010	7:12.95	IKURO SHIMONO	JPN	2015
5:49.23	IGOR BROVIN	RUS	2009	1:29.92	HANS REICHELT	GER	2011	7:14.22	ANRI VERESHCHAGIN	RUS	2009
5:50.16	JOAQUIN CANALES	ESP	2015	1:30.06	MASARU SHINKAI	JPN	2015	7:18.01	KARL HAUTER	GER	2001
800 M. FREE				1:31.65	BELA FABIAN	HUN	2012	7:19.30	JOSEF KREJCI	SUI	2008
11:07.90	DAVID RADCLIFF	USA	2009	1:31.90	TSUTOMU KAJIHARA	JPN	2008	*****			
11:25.95	GRAHAM JOHNSTON	USA	2006	1:32.06	SHUNSAKU TAKAHIRA	JPN	2007	M E N 80-84			
11:59.76	JOHN CRISP	AUS	2010	1:32.17	YOSHIKI AOKI	JPN	2013	*****			
11:59.91	MASATO YOSHINO	JPN	2013	1:32.46	PETER BELL	CAN	2010	50 M. FREE			
12:04.82	IGOR BROVIN	RUS	2009	1:33.29	WERNER MULLER	GER	2008	31.96	ROBERTO ALBERICHE	ESP	2012
12:08.69	IKURO SHIMONO	JPN	2012	200 M. BRST				32.73	B.SCHLURIKE	GER	2002
12:14.79	WERNER SCHNABEL	GER	2011	3:17.54	TONY GOODWIN	AUS	2012	32.92	CAV CAVANAUGH	USA	2015
12:17.40	GIULIO DIVANO	ITA	2009	3:20.59	MASARU SHINKAI	JPN	2015	33.08	SHINGO YAMAMOTO	JPN	2012
12:29.76	GERHARD HOLE	GER	2010	3:24.08	HANS REICHELT	GER	2011	33.09	FRANK PIEMME	USA	2005
12:32.78	JOSEF KREJCI	SUI	2009	3:28.51	SHUNSAKU TAKAHIRA	JPN	2007	33.12	KEIJIRO NAKAMURA	JPN	2004
1500 M. FREE				3:28.63	TSUTOMU KAJIHARA	JPN	2008	33.18	CLARKE MITCHELL	USA	2013
21:03.06	DAVID RADCLIFF	USA	2009	3:28.79	BELA FABIAN	HUN	2012	33.27	DAVID RADCLIFF	USA	2014
22:48.56	JOHN CRISP	AUS	2010	3:28.90	CLAUDIO NEGRI	ITA	2012	33.58	YASUTAKA OTSUKA	JPN	2015
23:02.25	GRAHAM JOHNSTON	USA	2006	3:29.31	YOSHIKI AOKI	JPN	2013	33.58	ANDERS SODERQVIST	SWE	2013
23:16.89	MASATO YOSHINO	JPN	2014	3:30.58	PETER BELL	CAN	2010	100 M. FREE			
23:30.55	YASUSHI YAMAGUCHI	JPN	2014	3:31.13	ERIVALDO LIMA	BRA	2008	1:11.82	DAVID RADCLIFF	USA	2014
23:31.64	WERNER SCHNABEL	GER	2012	50 M. FLY				1:13.12	ROBERTO ALBERICHE	ESP	2011
23:34.20	HIROSHI YOSHIMURA	JPN	2005	32.61	Y.FUNAHASHI	JPN	2014	1:16.04	GRAHAM JOHNSTON	USA	2011
23:50.80	GIULIO DIVANO	ITA	2009	32.76	HIROSHI MATSUMOTO	JPN	2012	1:16.22	CAV CAVANAUGH	USA	2015
23:52.87	JOAQUIN CANALES	ESP	2015	33.83	JOHN SMITH	USA	2013	1:17.11	KEIJIRO NAKAMURA	JPN	2003
24:02.91	FRANK WILLIAMS	USA	2015	33.94	TSUTOMU EBIHARA	JPN	2015	1:17.64	GERHARD HOLE	GER	2015
50 M. BACK				34.82	TAISUKE MIYAZAKI	JPN	2015	1:17.85	KELLEY LEMMON	PUR	1993
36.14	YOSHI OYAKAWA	USA	2008	35.06	JOAQUIN CANALES	ESP	2015	1:17.93	SHINGO YAMAMOTO	JPN	2011
36.38	S.SEKIKAWA	JPN	2008	35.21	HELMUT RICHTER	GER	2015	1:17.96	SHOICHI SHIDA	JPN	2006
36.90	BURWELL JONES	USA	2010	35.27	CHITOSHI KONISHI	JPN	2015	1:18.77	FRANK PIEMME	USA	2005
37.51	KEIJIRO NAKAMURA	JPN	1998	35.66	FRANK PIEMME	USA	2000	200 M. FREE			
37.68	Y.FUNAHASHI	JPN	2015	35.68	JEAN LE DALL	FRA	2008	2:40.22	DAVID RADCLIFF	USA	2014
38.08	CLARKE MITCHELL	USA	2007	100 M. FLY				2:48.76	ROBERTO ALBERICHE	ESP	2011
38.54	MIKLOS KOVATS	HUN	2015	1:25.60	TAISUKE MIYAZAKI	JPN	2014	2:52.91	GRAHAM JOHNSTON	USA	2013
38.57	FRANS VAN ENST	NED	2015	1:26.04	TAKASHI HAYASHI	JPN	2008				

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15:11.24	D.CASOLINO	ITA	2012	1:58.07	ROBERT MACDONALD	USA	2013	*****		
15:24.45	JIM EUBANK	USA	2001	2:00.89	ALDO DAROSA	USA	2003	50	M. FREE	
15:24.97	HIROSHI IMAIZUMI	JPN	2010	200	M. BRST			39.19	WOODY BOWERSOCK	USA 2003
15:30.95	ROBERT BEACH	USA	2015	4:10.75	AL CRAIG	USA	2012	41.93	GEORGE CORONES	AUS 2008
15:32.70	JURGEN SCHMIDT	USA	2008	4:13.81	KARL HAUTER	GER	2010	42.17	ROGER HALIMI	FRA 2012
15:53.00	KARL HAUTER	GER	2010	4:15.11	FRANK PIEMME	USA	2010	43.03	TOKUSHI KOMEDA	JPN 2004
15:59.86	TOKUSHI KOMEDA	JPN	1999	4:16.56	THOMAS MAINE	USA	2010	43.50	WILLARD LAMB	USA 2015
1500	M. FREE			4:16.96	ROBERT MACDONALD	USA	2013	43.78	KAZUNAGA AKUTSU	JPN 2002
28:35.24	WILLARD LAMB	USA	2008	4:20.59	FREDERICK HOPPE	USA	2012	44.07	MIRIO VINCENTIN	ARG 2009
29:00.17	ROD BAKER	AUS	2013	4:22.99	HIROMU YOSHIMOTO	JPN	2000	44.71	GORO KOBAYASHI	JPN 2006
29:12.85	JURGEN SCHMIDT	USA	2008	4:25.31	ALDO DAROSA	USA	2003	45.31	MASAHISA KANEKO	JPN 2002
29:29.44	ROBERT BEACH	USA	2015	4:26.74	H.REITEMEYER	GER	2006	45.87	MASAO UEDA	JPN 2002
29:53.88	JIM EUBANK	USA	2000	4:36.86	HAROLD PERRY	USA	1996	100	M. FREE	
30:10.16	HIROSHI IMAIZUMI	JPN	2010	50	M. FLY			1:37.69	KARL HAUTER	GER 2015
30:14.52	TOKUSHI KOMEDA	JPN	1999	45.63	FRANK PIEMME	USA	2010	1:38.05	GORO KOBAYASHI	JPN 2006
31:17.64	ALDO DA ROSA	USA	2002	46.48	ANDREW HOLDEN	USA	2004	1:40.54	TOKUSHI KOMEDA	JPN 2004
31:18.17	THOMAS MAINE	USA	2010	46.85	TOSHIO TAJIMA	JPN	2010	1:41.87	WILLARD LAMB	USA 2014
32:32.53	HAROLD DODD	GBR	2004	47.88	TAMON YOSHIDA	JPN	2011	1:43.22	WOODY BOWERSOCK	USA 2003
50	M. BACK			50.30	THOMAS MAINE	USA	2010	1:45.51	GEORGE CORONES	AUS 2009
39.89	KEIJIRO NAKAMURA	JPN	2008	50.64	MAX VON ISSER	USA	2006	1:48.50	ANTON BIEDERMANN	BRA 2014
42.17	GORO KOBAYASHI	JPN	2001	51.12	PAUL KRUP	USA	2002	1:50.28	JURGEN SCHMIDT	USA 2013
44.52	FRED VAN DYKE	USA	2006	51.26	ROBERT MACDONALD	USA	2013	1:50.30	KAZUNAGA AKUTSU	JPN 2002
45.16	TOSHIJI SATO	JPN	2000	51.81	Y.MIYAMOTO	JPN	2002	1:50.66	YOSHIRO OBATA	JPN 2014
45.33	SHOICHI SAKAMOTO	JPN	2004	52.20	SILVIO MANGANO	ITA	2015	200	M. FREE	
45.45	ILO FONSECA	BRA	2015	100	M. FLY			3:41.77	WILLARD LAMB	USA 2013
45.60	K.KLAUSTERMEYER	GER	2013	1:55.18	THOMAS MAINE	USA	2010	3:44.29	KARL HAUTER	GER 2015
46.89	SHOICHI SHIDA	JPN	2012	2:02.53	ANDREW HOLDEN	USA	2004	3:54.89	TOKUSHI KOMEDA	JPN 2004
47.06	ALDO DA ROSA	USA	2002	2:05.21	KARL HAUTER	GER	2010	4:02.49	JURGEN SCHMIDT	USA 2013
47.30	ROD BAKER	AUS	2013	2:05.39	FRANK PIEMME	USA	2010	4:10.40	WOODY BOWERSOCK	USA 2003
100	M. BACK			2:10.28	WALTER PFEIFFER	USA	1999	4:19.52	MASAHISA KANEKO	JPN 2002
1:31.65	KEIJIRO NAKAMURA	JPN	2008	2:11.44	ANTON CERER	USA	2002	4:24.46	ANTON BIEDERMANN	BRA 2014
1:36.34	GORO KOBAYASHI	JPN	2001	2:12.47	MAX VAN GELDER	NED	2009	4:25.48	JAMES TAR	BRA 2014
1:41.25	TOSHIJI SATO	JPN	2000	2:17.29	PAUL KRUP	USA	2002	4:28.34	GUS LANGNER	USA 1993
1:48.22	ROD BAKER	AUS	2014	2:17.55	PAUL HUTINGER	USA	2009	4:28.88	NILS FERM	SWE 2008
1:48.68	HIKOJI UEKI	JPN	2000	2:20.76	FRANK GRANNIS	USA	2009	400	M. FREE	
1:49.24	WILLARD LAMB	USA	2008	200	M. FLY			8:01.57	WILLARD LAMB	USA 2014
1:49.54	ALDO DA ROSA	USA	2002	4:15.86	THOMAS MAINE	USA	2010	8:13.45	TOKUSHI KOMEDA	JPN 2004
1:49.88	HELMUT KUNZEL	GER	2013	4:46.99	KARL HAUTER	GER	2010	8:48.73	JURGEN SCHMIDT	USA 2013
1:50.23	NORIO HAYASHI	JPN	2015	4:47.63	ANDREW HOLDEN	USA	2004	9:31.51	THOMAS MAINE	USA 2015
1:51.56	ALAN WEEDEN	USA	2009	4:57.41	ANTON CERER	USA	2002	9:35.43	ARTHUR THOMAS	AUS 2007
200	M. BACK			5:06.00	WALTER PFEIFFER	USA	1999	9:38.67	JAMES TAR	BRA 2014
3:28.59	KEIJIRO NAKAMURA	JPN	2008	5:07.93	PAUL KRUP	USA	2002	9:39.37	WOODY BOWERSOCK	USA 2003
3:41.06	GORO KOBAYASHI	JPN	2002	5:25.02	ALDO CAPUTI	ITA	2001	9:40.04	ALFREDO CHERCHI	AUS 1997
3:48.38	TOSHIJI SATO	JPN	2000	5:42.31	HIRONARI UEDA	JPN	2006	9:40.14	CARLOS VINCENTIN	ARG 2009
3:54.81	ROD BAKER	AUS	2013	5:54.28	FRANK GRIFFITHS	AUS	1993	9:43.35	JULIUS FEICHT	GER 2011
3:56.39	NORIO HAYASHI	JPN	2015	5:55.76	DON LEADER	GBR	2009	800	M. FREE	
3:56.47	KARL HAUTER	GER	2010	200	M. I.M.			16:28.37	WILLARD LAMB	USA 2013
3:59.04	HELMUT KUNZEL	GER	2014	3:51.20	THOMAS MAINE	USA	2010	17:54.42	TOKUSHI KOMEDA	JPN 2005
4:04.33	WILLARD LAMB	USA	2008	3:51.88	FRANK PIEMME	USA	2010	17:58.02	JURGEN SCHMIDT	USA 2013
4:04.99	JAN ZIEGLER	CZE	2010	3:57.74	KARL HAUTER	GER	2010	19:35.42	THOMAS MAINE	USA 2015
4:07.72	ALDO DA ROSA	USA	2002	4:07.75	HIROSHI IMAIZUMI	JPN	2010	19:36.32	NILS FERM	SWE 2007
50	M. BRST			4:13.14	ANTON CERER	USA	2001	20:09.22	JOHN HARRISON	GBR 2004
45.58	TOSHIO TAJIMA	JPN	2011	4:14.16	S.KROKOSZYNSKI	POL	2015	20:13.74	GUS LANGNER	USA 1993
46.23	Y.MIYAMOTO	JPN	2002	4:15.59	ANDREW HOLDEN	USA	2004	20:16.94	ELI KITAY	AUS 2014
48.94	GERHARD GIERA	GER	2013	4:16.31	ALDO DAROSA	USA	2003	20:28.49	BELA BANKI	HUN 2011
49.46	HIROMU YOSHIMOTO	JPN	2000	4:20.63	JAN ZIEGLER	CZE	2013	20:43.98	JULIUS FEICHT	GER 2011
49.49	FRANK PIEMME	USA	2010	4:29.94	MAX VAN GELDER	NED	2009	1500	M. FREE	
49.69	ROLF WALTHER	GER	2014	400	M. I.M.			31:12.82	WILLARD LAMB	USA 2014
49.90	SEIJI TAKAHASHI	JPN	2000	8:21.81	THOMAS MAINE	USA	2010	36:22.20	JURGEN SCHMIDT	USA 2013
50.57	BARTON GREENBERG	USA	2009	8:34.82	KARL HAUTER	GER	2010	36:47.02	GUS LANGNER	USA 1993
50.74	PAUL KRUP	USA	2002	9:21.90	ANTON CERER	USA	2001	37:21.89	NILS FERM	SWE 2007
50.83	FREDERICK HOPPE	USA	2012	9:42.77	WALTER PFEIFFER	USA	1999	38:18.63	THOMAS MAINE	USA 2015
100	M. BRST			10:28.43	FRANK GRIFFITHS	AUS	1994	38:53.18	ELI KITAY	AUS 2014
1:51.79	FRANK PIEMME	USA	2010	10:38.32	DON LEADER	GBR	2009	38:56.19	JOHN HARRISON	GBR 2004
1:53.27	BARTON GREENBERG	USA	2009	10:57.84	HIRONARI UEDA	JPN	2006	39:36.67	WALTER PFEIFFER	USA 2004
1:53.70	HIROMU YOSHIMOTO	JPN	2000	11:23.79	WILLIAM JOHNSTON	USA	2003	40:41.55	JAMES TAR	BRA 2014
1:54.19	Y.MIYAMOTO	JPN	2002	11:52.88	ALDO CAPUTI	ITA	2000	40:59.21	RICHARD SMITH	USA 2010
1:56.64	H.REITEMEYER	GER	2006	11:59.54	JESSE COON	USA	1997	50	M. BACK	
1:57.18	KARL HAUTER	GER	2010	*****				46.82	GORO KOBAYASHI	JPN 2006
1:57.36	TOSHIO TAJIMA	JPN	2010					51.94	ALAN WEEDEN	USA 2014
1:57.78	GERHARD GIERA	GER	2013					53.26	KAZUNAGA AKUTSU	JPN 2002



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53.81	KAIZO WATANABE	JPN	2014	1:12.66	ALDO CAPUTI	ITA	2005	12:11.73	HORVATH BANKI	HUN	2015
53.99	R.REINSTADTLER	GER	2002	1:21.55	JOHN HARRISON	GBR	2004	13:19.19	HUGH MCGREGOR	CAN	2014
54.07	TOSHIJI SATO	JPN	2005	100 M.	FLY			13:43.10	GARY WEISENTHAL	USA	2008
54.39	BELA BANKI	HUN	2010	2:23.56	THOMAS MAINE	USA	2015	19:16.97	JACK MATHIESON	AUS	2012
54.41	MASAHISA KANEKO	JPN	2003	2:31.03	WALTER PFEIFER	USA	2003	20:38.12	JEAN STORZ	FRA	2009
54.65	ANTON BIEDERMANN	BRA	2014	2:38.92	KARL HAUTER	GER	2015	21:45.34	JOHN BRICE	AUS	2014
54.96	WILLARD LAMB	USA	2013	2:46.91	ALDO CAPUTI	ITA	2005	800 M.	FREE		
100 M.	BACK			2:49.34	FRANK GRANNIS	USA	2014	22:28.28	GUS LANGNER	USA	1998
1:45.46	GORO KOBAYASHI	JPN	2006	3:29.53	JESSE COON	USA	2000	24:21.10	HORVATH BANKI	HUN	2015
1:59.92	WILLARD LAMB	USA	2014	4:11.06	ROBERT DOUD	USA	2014	28:18.13	GARY WEISENTHAL	USA	2008
2:01.03	JAN ZIEGLER	CZE	2015	200 M.	FLY			28:40.69	HUGH MCGREGOR	CAN	2014
2:02.90	KARL HAUTER	GER	2015	5:19.18	THOMAS MAINE	USA	2015	42:55.70	JACK MATHIESON	AUS	2012
2:04.48	TOSHIJI SATO	JPN	2006	5:51.79	WALTER PFEIFER	USA	2003	1500 M.	FREE		
2:04.94	R.REINSTADTLER	GER	2002	6:05.42	ALDO CAPUTI	ITA	2005	47:30.40	GUS LANGNER	USA	1999
2:06.63	BELA BANKI	HUN	2010	8:22.48	JESSE COON	USA	2000	82:25.34	JACK MATHIESON	AUS	2012
2:07.20	JOHN MERRILL	USA	2007	9:44.64	ROBERT DOUD	USA	2013	50 M.	BACK		
2:07.33	KAIZO WATANABE	JPN	2014	200 M.	I.M.			1:01.61	TOSHIJI SATO	JPN	2010
2:07.37	NILS FERM	SWE	2008	4:27.72	KARL HAUTER	GER	2015	1:02.35	HORVATH BANKI	HUN	2015
200 M.	BACK			4:35.62	THOMAS MAINE	USA	2015	1:03.32	KAZUNAGA AKUTSU	JPN	2007
4:05.77	GORO KOBAYASHI	JPN	2007	4:51.03	JAN ZIEGLER	CZE	2015	1:07.47	ALFRED SCHULHOF	CAN	2014
4:20.06	WILLARD LAMB	USA	2014	5:02.64	TOKUSHI KOMEDA	JPN	2004	1:10.06	NORI YAMAMOTO	JPN	2005
4:24.15	JAN ZIEGLER	CZE	2015	5:08.02	FRANK GRANNIS	USA	2014	1:10.49	JEAN LEEMPUT	FRA	2009
4:32.63	NILS FERM	SWE	2009	5:12.11	WALTER PFEIFER	USA	2003	1:12.29	JOHN HARRISON	GBR	2009
4:33.77	BELA BANKI	HUN	2010	5:43.35	ALDO CAPUTI	ITA	2005	1:16.30	TOM LANE	USA	1989
4:34.60	R.REINSTADTLER	GER	2002	6:10.88	JOHN HARRISON	GBR	2005	1:20.41	SHOGORO AZUMA	JPN	2007
4:40.87	KAIZO WATANABE	JPN	2013	6:25.78	JESSE COON	USA	2000	1:23.77	ALFREDO CHERCHI	AUS	2002
4:41.28	TOSHIJI SATO	JPN	2005	7:02.80	JIM PENFIELD	USA	1998	100 M.	BACK		
4:42.14	JOHN HARRISON	GBR	2004	400 M.	I.M.			2:22.83	TOSHIJI SATO	JPN	2010
4:46.15	JOHN MERRILL	USA	2008	9:56.43	THOMAS MAINE	USA	2015	2:31.61	KAZUNAGA AKUTSU	JPN	2007
50 M.	BRST			11:19.91	WALTER PFEIFER	USA	2003	2:32.01	HORVATH BANKI	HUN	2015
50.71	TOSHIO TAJIMA	JPN	2015	13:52.72	JESSE COON	USA	2000	2:41.42	ALFRED SCHULHOF	CAN	2014
57.20	HIROMU YOSHIMOTO	JPN	2005	17:53.58	ROBERT DOUD	USA	2013	2:42.01	JOHN HARRISON	GBR	2009
1:00.75	SEIJI TAKAHASHI	JPN	2005	*****				2:54.90	NORI YAMAMOTO	JPN	2005
1:00.98	H.REITEMEYER	GER	2011	*****				3:04.37	GARY WEISENTHAL	USA	2008
1:01.55	M.GIAMPIETRO	ITA	2013	M E N 95-99				3:15.35	ALDO CAPUTI	ITA	2010
1:01.64	BRUD CLEVELAND	USA	2007	*****				3:19.14	TOM LANE	USA	1992
1:01.79	GEORGE CORONES	AUS	2009	50 M.	FREE			3:19.24	JARING TIMMERMAN	CAN	2005
1:02.08	BRUNO HAMPEL	GER	2014	47.30	GEORGE CORONES	AUS	2013	200 M.	BACK		
1:02.56	ALFRED SCHULHOF	CAN	2010	48.66	HIDEKAZU TAMURA	JPN	2015	5:24.20	HORVATH BANKI	HUN	2015
1:04.60	BELA BANKI	HUN	2010	55.88	GUS LANGNER	USA	1998	5:30.07	TOSHIJI SATO	JPN	2010
100 M.	BRST			56.99	KAZUNAGA AKUTSU	JPN	2007	6:00.99	JEAN LEEMPUT	FRA	2011
2:05.18	KARL HAUTER	GER	2015	1:03.14	JARING TIMMERMAN	CAN	2005	6:10.65	JOHN HARRISON	GBR	2010
2:15.43	HIROMU YOSHIMOTO	JPN	2005	1:06.06	COLLISTER WHEELER	USA	1988	6:38.69	GARY WEISENTHAL	USA	2008
2:20.73	H.REITEMEYER	GER	2011	1:06.93	ALFREDO CHERCHI	AUS	2003	8:19.55	ALFREDO CHERCHI	AUS	2002
2:23.53	RAYMOND HAKOMAKI	USA	2010	1:07.47	ALFRED SCHULHOF	CAN	2014	8:23.02	JACK MATHESON	AUS	2012
2:28.24	BRUD CLEVELAND	USA	2007	1:14.72	JOHN HARRISON	GBR	2009	50 M.	BRST		
2:30.45	ALFRED SCHULHOF	CAN	2010	1:16.19	HUGH MCGREGOR	CAN	2014	1:10.01	GEORGE CORONES	AUS	2013
2:30.49	GEORGE CORONES	AUS	2008	100 M.	FREE			1:10.83	HIROMU YOSHIMOTO	JPN	2010
2:31.40	MASAHISA KANEKO	JPN	2002	1:57.54	GEORGE CORONES	AUS	2013	1:16.52	ALFRED SCHULHOF	CAN	2014
2:33.07	DENZO WAKAYAMA	JPN	2015	2:17.59	KAZUNAGA AKUTSU	JPN	2007	1:26.15	KAZUNAGA AKUTSU	JPN	2007
2:33.83	A.LISITSKIY	RUS	2015	2:29.32	GUS LANGNER	USA	1998	1:26.61	GUS LANGNER	USA	1998
200 M.	BRST			2:31.44	JARING TIMMERMAN	CAN	2005	1:31.06	BUD JACKSON	USA	2014
5:12.25	THOMAS MAINE	USA	2015	2:41.42	ALFRED SCHULHOF	CAN	2014	1:35.45	ROMAN JEZEK	CAN	2009
5:17.47	HIROMU YOSHIMOTO	JPN	2005	2:41.83	HUGH MCGREGOR	CAN	2014	1:35.94	ALDO CAPUTI	ITA	2010
5:26.11	GEORGE CORONES	AUS	2009	2:44.63	JOHN HARRISON	GBR	2009	1:36.87	TOM LANE	USA	1989
5:26.75	H.REITEMEYER	GER	2011	2:52.51	HORVATH BANKI	HUN	2015	1:36.92	JACK MATHESON	AUS	2012
5:35.18	MASAHISA KANEKO	JPN	2002	2:56.86	BUD JACKSON	USA	2014	100 M.	BRST		
5:46.62	DENZO WAKAYAMA	JPN	2015	3:02.33	F.GIANNETTA	ITA	2012	2:40.08	HIROMU YOSHIMOTO	JPN	2010
5:46.95	G.CHIZHEVSKIY	UKR	2015	200 M.	FREE			2:57.35	GEORGE CORONES	AUS	2013
5:49.32	BELA BANKI	HUN	2010	5:13.23	GUS LANGNER	USA	1998	3:16.56	BUD JACKSON	USA	2014
5:53.77	JURGEN SCHMIDT	USA	2014	5:56.17	JARING TIMMERMAN	CAN	2005	3:36.50	ROMAN JEZEK	CAN	2009
5:55.72	BRUD CLEVELAND	USA	2007	5:58.59	HORVATH BANKI	HUN	2015	3:37.59	HORVATH BANKI	HUN	2015
50 M.	FLY			6:21.53	HUGH MCGREGOR	CAN	2014	3:38.45	GUS LANGNER	USA	1998
1:00.30	WALTER PFEIFER	USA	2003	6:28.25	BUD JACKSON	USA	2014	3:54.74	JACK MATHESON	AUS	2012
1:03.95	FRANK GRANNIS	USA	2014	6:30.80	GARY WEISENTHAL	USA	2008	4:58.20	F.GIANNETTA	ITA	2012
1:05.38	JAN ZIEGLER	CZE	2015	7:27.16	F.GIANNETTA	ITA	2012	200 M.	BRST		
1:05.95	ANDREW HOLDEN	USA	2009	7:54.76	ROMAN JEZEK	CAN	2009	5:47.31	HIROMU YOSHIMOTO	JPN	2010
1:09.14	THOMAS MAINE	USA	2015	10:17.12	JOHN BRICE	AUS	2014	7:11.65	BUD JACKSON	USA	2014
1:10.34	HEINZ SIEGEL	GER	2004	10:27.88	J.STORZ	FRA	2010	7:29.12	HORVATH BANKI	HUN	2015
1:11.54	R.REINSTADTLER	GER	2002	400 M.	FREE			7:37.17	GUS LANGNER	USA	1998
1:11.57	TOKUSHI KOMEDA	JPN	2004	11:30.53	GUS LANGNER	USA	1998	7:54.76	ROMAN JEZEK	CAN	2009



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8:11.63 JACK MATHESON AUS 2012
12:08.37 F.GIANNETTA ITA 2012
50 M. FLY
1:37.18 ALDO CAPUTI ITA 2010
2:01.41 WALTER PFEIFFER USA 2008
2:40.49 EUGENE LEHMAN CAN 2008
100 M. FLY
4:09.52 WALTER PFEIFFER USA 2008
200 M. FLY
14:05.25 WALTER PFEIFFER USA 2008
200 M. I.M.
8:55.97 WALTER PFEIFFER USA 2008
400 M. I.M.
17:29.20 WALTER PFEIFFER USA 2008

M E N 100-104

50 M. FREE
1:40.46 TOM LANE USA 1994
1:47.82 JEAN LEEMPUT FRA 2015
2:15.51 HANS HAHN GER 2008
3:22.65 EDWIN THOMAS USA 1994
100 M. FREE
3:23.10 JOHN HARRISON GBR 2014
4:05.98 TOM LANE USA 1994
50 M. BACK
1:29.13 JEAN LEEMPUT FRA 2014
1:32.20 JOHN HARRISON GBR 2014
1:50.73 TOM LANE USA 1994
2:25.23 HANS HAHN GER 2008
100 M. BACK
4:13.84 TOM LANE USA 1994
6:01.50 HANS HAHN GER 2008
200 M. BACK
9:04.31 TOM LANE USA 1994