



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2012)

WOMEN 25-29

50 M. FREE
25.42 ANNABEL KOSTEN NED 2004
26.16 TATIANA BARBOSA BRA 2007
26.20 ALISON SHEPPARD GBR 1998
26.61 SANDRA KAZIKOVA CZE 2005
26.68 SARA SHAND USA 1991
26.77 C. MARGRISON AUS 2012
26.82 HEATHER HAGEMAN USA 1997
26.89 ANTJE WIPPICH GER 2007
26.90 SVETLANA KARPEEVA RUS 2012
26.90 HITOMI NAKAYAMA JPN 2011
100 M. FREE
56.87 TATIANA BARBOSA BRA 2007
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 CAROLINE KILIAN USA 2006
58.66 HITOMI NAKAYAMA JPN 2011
58.72 MONICA BENVENUTI ITA 2003
58.75 SONJA SCHOBER GER 2012
58.75 KATATIN QUELENNEC FRA 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
2:06.81 HITOMI MATSUDA JPN 2005
2:07.08 SOPHIE CASSON GBR 2011
2:07.11 SARA L SHAND USA 1989
2:07.14 SHARRON DAVIES GBR 1990
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
4:30.24 CRISTINA TEUSCHER GBR 2004
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
9:18.43 SARA L SHAND USA 1989
9:18.74 MARY HOLMES USA 1988
9:18.78 JUDY FORD 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
29.60 MAI NAKAMURA JPN 2008
30.27 IRYNA BOLSHAKOVA UKR 2011
30.27 ELENA PYATOVA RUS 2008
30.43 AKIKO MIZUMOTO JPN 2008
30.51 SVETLANA KARPEEVA RUS 2012
30.52 NAHOMI ERIGUCHI JPN 2004
30.73 KAORU ONO JPN 1998
30.74 TAKAMI IGARASHI JPN 2010
30.80 DIANE GRANER USA 1989
31.01 FANNY LECLERCQ FRA 2011
100 M. BACK
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
1:06.13 KAORU ONO JPN 1998
1:06.37 LIA OBERSTAR USA 2004
1:06.44 KELLY HARRIGAN USA 2011
1:06.46 MONIQUE RODAHL NZL 1989
1:06.59 BRITTA O'LEARY USA 2012
1:06.70 TAKAMI IGARASHI JPN 2010
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
2:25.78 F.ALVARENGA BRA 2012
2:25.98 J.ADAMS GBR 1987
2:26.27 C.GIBSON CAN 1986
50 M. BRST
31.60 MEGAN JENDRICK USA 2010
32.01 S.SEMINATORE ITA 1989
32.65 NICOLE HEIDEMANN GER 2009
32.75 YOSHIMI MIWA JPN 2012
32.79 MANUELA NACKEL GER 2000
32.83 SONJA SCHOBER GER 2012
33.54 SILKE HORNER GER 1994
33.60 PETRA MARTIN USA 2005
33.63 LAURA GLASS USA 2009
33.68 HITOMI MATSUDA JPN 2006
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
1:14.97 KATJA BRASCHOS GER 2006
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
2:42.02 SHARRON DAVIES GBR 1990
2:43.06 CLAIRE DESDOIT FRA 2010
2:43.17 A.JANITZKI GER 2009
2:43.69 LOUISE HENLEY GBR 2010

50 M. FLY
27.90 LINDA LUND TIETZE DEN 2010
28.09 MARJA PARSSINEN FIN 1997
28.14 YUKO NAKANISHI JPN 2010
28.19 C. MARGRISON AUS 2012
28.19 JENNIFER BROOKS USA 2003
28.24 MABI TSUKIOKA JPN 2008
28.29 MEGAN JENDRICK USA 2010
28.30 C.SIEVERT GER 2000
28.56 PAULINE GOUWENS NED 2011
28.67 LINDSEY URBATCHKA USA 2011
100 M. FLY
1:01.04 RACHEL KOMISARZ USA 2001
1:02.73 YUKO NAKANISHI JPN 2010
1:03.18 SHELLY JOHNSTON USA 2006
1:03.29 HITOMI MATSUDA JPN 2006
1:03.47 MAYU MURAKAMI JPN 2008
1:03.63 EMILY MILAK USA 2011
1:03.67 SHEILA TAORMINA USA 1995
1:03.89 JENNIFER BROOKS USA 2003
1:03.91 ROSEMARIE SEAMAN USA 1987
1:03.95 AIMEE RAMM GBR 2008
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
2:22.10 ERIKO KATO JPN 2009
2:22.42 JUNE FORD USA 1987
2:23.87 MAYU MURAKAMI JPN 2008
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
2:22.89 MONIQUE RODAHL NZL 1989
2:23.76 ALISON SHEPPARD GBR 1998
2:23.85 BRITTA O'LEARY USA 2012
2:24.65 MARION BLANCHARD FRA 2012
2:24.99 ANDREA SIMAKOVA CZE 2003
400 M. I.M.
5:02.78 HITOMI MATSUDA JPN 2006
5:05.29 SHARRON DAVIES GBR 1990
5:06.34 SARA L SHAND USA 1989
5:08.54 ERIKO KATO JPN 2009
5:10.54 CRISTINA TEUSCHER GBR 2004
5:11.02 S.PALMERWHITE AUS 1992
5:11.68 ALLISON WAGNER USA 2005
5:11.74 MARION BLANCHARD FRA 2012
5:11.82 MARIT BLOEMER GER 2009
5:12.22 LYNNE BLOMBERG USA 1989

WOMEN 30-34

50 M. FREE
25.74 MARTINA MORAVCOVA USA 2009
25.99 TONI JEFFS NZL 2002
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
26.59 PASCALE VERBAUWEN BEL 1993
26.72 NORIKO INADA USA 2012



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26.75	TRACIE MOLL	USA	1998	100 M. BACK		1:00.03	ANGEL MARTINO	USA	2000		
26.94	DOMINIQUE DIEZI	USA	2008	1:01.78	NORIKO INADA	USA	2011	1:01.19	L. CARVALHO	AUS	2010
100 M. FREE				1:03.30	KATY SEXTON	GBR	2012	1:01.79	HITOMI MATSUDA	JPN	2009
55.24	ERIKA ERNDL	USA	2009	1:03.78	SARABETH METZGER	USA	2009	1:03.93	TRACIE MOLL	USA	1998
55.62	MARTINA MORAVCOVA	USA	2008	1:04.40	KANA OHASHI	JPN	2009	1:04.08	LAURA BIANZANI	ITA	2004
57.09	ANGEL MARTINO	USA	2000	1:05.42	DIANE GALLAS	USA	1996	1:04.43	KARLYN PIPES	USA	1996
58.01	PASCALE VERBAUWEN	BEL	1993	1:05.45	KANA YAMAGUCHI	JPN	2010	1:04.51	NADINE ROLLAND	CAN	2005
58.09	SANDY NEILSON	USA	1988	1:05.54	KARLYN PIPES	USA	1996	1:04.67	SARABETH METZGER	USA	2009
58.20	HITOMI MATSUDA	JPN	2010	1:06.63	KATIE BIRCHALL	GBR	2012	1:04.80	PASCALE VERBAUWEN	BEL	1996
58.30	KATY SEXTON	GBR	2012	1:06.81	MEGAN MELGAARD	USA	2012	200 M. FLY			
58.38	TRACIE MOLL	USA	1998	1:07.10	FLORENCE RIERA	FRA	2012	2:13.60	METTE JACOBSEN	DEN	2006
58.85	HANNAH CALDAS	USA	2011	200 M. BACK				2:20.07	EVGUENIA OJOGUINA	RUS	1999
58.87	DOMINIQUE DIEZI	USA	2008	2:17.61	SARABETH METZGER	USA	2009	2:20.12	KARLYN PIPES	USA	1996
200 M. FREE				2:17.73	KARLYN PIPES	USA	1996	2:21.24	YUKIE UBUKATA	JPN	2012
2:04.05	DAWN HECKMAN	USA	2011	2:18.05	KANA YAMAGUCHI	JPN	2012	2:21.46	LAURA BIANZANI	ITA	2004
2:04.62	HITOMI MATSUDA	JPN	2009	2:18.26	KANA OHASHI	JPN	2009	2:21.50	HITOMI MATSUDA	JPN	2007
2:06.80	KARLYN PIPES	USA	1996	2:21.26	DIANE GALLAS	USA	1996	2:22.57	HIDEKA KOSHIMIZU	JPN	1995
2:06.91	MEGAN MELGAARD	USA	2012	2:22.52	JOANNA CORBEN	GBR	2002	2:23.26	MARTIE MC KINNEY	USA	1995
2:07.84	BETH KNIGHT	USA	1989	2:23.47	DAPHNE FUCHS	GER	1993	2:23.35	MELISSA VARLAS	USA	2005
2:07.87	KATJA TROSIEN	GER	2007	2:24.09	JO SWATTON	GBR	2001	2:23.39	L. CARVALHO	AUS	2011
2:08.26	ANGEL MARTINO	USA	2000	2:24.25	MEGAN MELGAARD	USA	2012	200 M. I.M.			
2:08.29	KIRSTEN CAMERON	NZL	2007	2:25.67	GITTE RAAGAARD	DEN	2004	2:13.89	ERIKA ERNDL	USA	2009
2:09.12	LYNN MARSHALL	CAN	1992	50 M. BRST				2:19.28	HITOMI MATSUDA	JPN	2010
2:09.14	NADINE DAY	USA	2004	32.42	HITOMI MATSUDA	JPN	2009	2:23.12	KARLYN PIPES	USA	1996
400 M. FREE				32.66	NICOLE HEIDEMANN	GER	2012	2:23.50	SARABETH METZGER	USA	2009
4:18.63	DAWN HECKMAN	USA	2011	32.77	YUKO SAKAGUCHI	JPN	2009	2:24.12	NADINE DAY	USA	2004
4:25.60	HITOMI MATSUDA	JPN	2008	33.20	KATIE MCCLELLAND	USA	2008	2:25.90	WENKE HANSEN	USA	2000
4:26.50	MEGAN MELGAARD	USA	2012	33.66	ISABEL FIGUEIRA	POR	2009	2:26.17	YVETTA HLAVACOVA	CZE	2005
4:27.11	KIRSTEN CAMERON	NZL	2007	33.84	WENKE HANSEN	USA	1999	2:26.41	HIDEKA KOSHIMIZU	JPN	1995
4:28.76	KARLYN PIPES	USA	1996	33.92	LAURA GLASS	USA	2010	2:26.44	KANA YAMAGUCHI	JPN	2012
4:30.38	BETH L KNIGHT	USA	1991	34.19	HANNAH CALDAS	USA	2011	2:26.56	MEGAN MELGAARD	USA	2012
4:31.82	KELLY HIGGINS	AUS	2011	34.33	SILVA PULFRICH	GER	2009	400 M. I.M.			
4:31.93	SUSAN PORTER	USA	1994	34.41	FIONA MARSHALL	GBR	2009	4:56.08	HITOMI MATSUDA	JPN	2009
4:32.52	LISA HAZEN	USA	1995	100 M. BRST				5:03.97	KARLYN PIPES	USA	1996
4:33.02	HEIDI GEORGE	USA	2009	1:10.10	HITOMI MATSUDA	JPN	2009	5:05.05	HIDEKA KOSHIMIZU	JPN	1995
800 M. FREE				1:13.13	NICOLE HEIDEMANN	GER	2012	5:09.93	NADINE DAY	USA	2004
8:46.47	DAWN HECKMAN	USA	2011	1:13.29	KATIE MCCLELLAND	USA	2008	5:09.95	A.JANITZKI	GER	2010
9:13.22	KIRSTEN CAMERON	NZL	2007	1:14.53	WENKE HANSEN	USA	1999	5:11.39	KAREN BURTON	USA	1992
9:16.82	LYNN MARSHALL	CAN	1992	1:14.95	ISABEL FIGUEIRA	POR	2009	5:13.97	SUSAN PORTER	USA	1994
9:17.54	YVETTA HLAVACOVA	CZE	2005	1:15.18	A.JANITZKI	GER	2010	5:14.75	ANNE VELEZ	FRA	2010
9:19.96	SUSAN PORTER	USA	1994	1:15.18	YUKO SAKAGUCHI	JPN	2009	5:15.13	SANDIE EASTON	USA	2002
9:20.20	BETH L KNIGHT	USA	1991	1:15.45	NADINE DAY	USA	2004	5:15.37	VALERIE HADD	CAN	2010
9:21.60	KELLY HIGGINS	AUS	2011	1:15.50	CYNTHIA LEWIN	USA	2009	*****			
9:22.73	KAREN BURTON	USA	1996	1:15.55	KATIE HENDERSON	GBR	2012	WOMEN 35-39			
9:23.06	BROOKE BENNETT	USA	2012	200 M. BRST				*****			
9:23.57	SUSANNE KELLER	SUI	2012	2:28.93	HITOMI MATSUDA	JPN	2009	50 M. FREE			
1500 M. FREE				2:40.42	NICOLE HEIDEMANN	GER	2012	25.98	DARA TORRES	USA	2006
17:11.25	HEIDI GEORGE	USA	2009	2:40.90	A.JANITZKI	GER	2010	26.53	EDITH OTTERMANN	RSA	2004
17:32.48	DAWN HECKMAN	USA	2008	2:41.51	WENKE HANSEN	USA	1999	26.65	ERIKA BRAUN	USA	2011
17:38.70	KAREN BURTON	USA	1996	2:41.63	KATIE MCCLELLAND	USA	2008	26.66	TRACIE MOLL	USA	1999
17:43.52	KIRSTEN CAMERON	NZL	2007	2:42.12	KATIE HENDERSON	GBR	2012	26.68	S.NEILSON-BELL	USA	1996
17:48.44	K.PIPES-NEILSEN	USA	1996	2:44.61	CYNTHIA LEWIN	USA	2009	26.78	SANDRA KAZIKOVA	CZE	2012
17:48.60	LISA HAZEN	USA	1996	2:45.20	KYLA STEENHART	NZL	2008	26.85	PEGGY GROSS	USA	2004
17:53.12	BROOKE BENNETT	USA	2012	2:45.22	SATSUKI HIRUKAWA	JPN	2011	27.04	EKATERINA YUDINA	RUS	2012
17:53.28	HITOMI MATSUDA	JPN	2007	2:45.80	KAREN JACKSON	GBR	2004	27.09	SHERI HART	USA	2006
17:55.58	BETH L KNIGHT	USA	1991	50 M. FLY				27.09	M DRUECKHAMMER	USA	2002
18:02.01	AMY POPE	USA	1991	27.48	MARTINA MORAVCOVA	USA	2009	100 M. FREE			
50 M. BACK				27.59	ANGEL MARTINO	USA	2000	58.87	HITOMI MATSUDA	JPN	2012
28.57	NORIKO INADA	USA	2012	27.61	NORIKO INADA	USA	2012	58.87	S.NEILSON-BELL	USA	1995
28.95	MAI NAKAMURA	JPN	2009	27.73	NADINE ROLLAND	CAN	2008	58.94	BETH KNIGHT	USA	1994
29.55	MARTINA MORAVCOVA	USA	2009	28.38	MABI TSUKIOKA	JPN	2009	59.16	SHERI HART	USA	2006
29.70	KANA OHASHI	JPN	2009	28.72	E.BELLINGER	GBR	2008	59.20	TRACIE MOLL	USA	1999
29.92	KATY SEXTON	GBR	2012	28.77	TRACIE MOLL	USA	1998	59.21	K.PIPES-NEILSEN	USA	1997
30.32	KANA YAMAGUCHI	JPN	2011	28.82	JUNKO ONISHI	JPN	2006	59.26	MEGAN OESTING	USA	2009
30.45	NADINE ROLLAND	CAN	2008	28.95	HITOMI MATSUDA	JPN	2007	59.29	M DRUECKHAMMER	USA	2002
30.82	NAHOMI SHIRATA	JPN	2006	29.01	MISTY HYMAN	USA	2012	59.46	EKATERINA YUDINA	RUS	2012
30.94	DIANE GALLAS	USA	1996	100 M. FLY				59.47	MELINDA MAROSI	HUN	2005
31.03	KIKKI MYHRBRO	NED	1994	58.81	MARTINA MORAVCOVA	USA	2008				



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200 M. FREE		2:22.07 JODY SMITH	USA 2008	2:26.36 SHEILA TAORMINA	USA 2006
2:06.62 K PIPES-NEILSEN	USA 1998	2:22.92 SHERI HART	USA 2006	2:26.38 LAURA B VAL	USA 1989
2:07.64 SHEILA TAORMINA	USA 2006	2:23.47 JOANNA CORBEN	GBR 2005	2:26.71 KRISTINA ULVELING	USA 2008
2:07.99 HITOMI MATSUDA	JPN 2012	2:24.52 PASCALE VERBAUWEN	BEL 1998	2:27.21 NICOLA LATTY	GBR 2007
2:08.71 TRACIE MOLL	USA 1999	2:26.32 TERRY RADAM	USA 2000	2:27.36 ANA PAULA GRILO	POR 2006
2:08.75 KIRSTEN CAMERON	NZL 2009	2:26.44 SILVIA PAROCCHI	ITA 2003	2:27.55 DEBBIE YOUNGER	CAN 2005
2:08.93 CLAUDIA POLL	CRC 2010	2:26.58 C.J-SPONCELLER	SWE 2010	2:27.70 EVGENIYA OZHOGINA	RUS 2004
2:08.93 BETH KNIGHT	USA 1994	2:26.66 ZENA HERRMANN	USA 1994	2:27.73 NADINE DAY	USA 2007
2:09.33 SUSAN HALFACRE	USA 1988	2:27.38 GISELI PEREIRA	BRA 2011	200 M. I.M.	
2:09.70 MELANIA BUSSIÈRE	CAN 2008	50 M. BRST		2:21.47 HITOMI MATSUDA	JPN 2012
2:10.14 LAUREEN WELTING	USA 2001	33.10 R.CRESCENTINI	ITA 2011	2:22.42 K.PIPES-NEILSEN	USA 1997
400 M. FREE		33.24 HITOMI MATSUDA	JPN 2012	2:27.53 CYNTHIA LEWIS	USA 2011
4:25.68 KIRSTEN CAMERON	NZL 2009	33.52 LINLEY FRAME	AUS 2010	2:28.07 CAROLINE KRATTLI	USA 2001
4:26.17 K.PIPES-NEILSEN	USA 1997	33.64 SYLVIA GERASCH	GER 2004	2:28.51 CLAUDIA POLL	CRC 2010
4:29.56 HITOMI MATSUDA	JPN 2012	33.85 ANNA-KARIN LUNDIN	SWE 2011	2:28.83 SILVIA PAROCCHI	ITA 2004
4:31.35 BETH KNIGHT	USA 1994	33.91 CAROLINE KRATTLI	USA 2001	2:28.93 JUDITH LALLIER	USA 1994
4:32.57 SHEILA TAORMINA	USA 2006	34.36 KELLY LEGASPI	USA 2009	2:28.97 KATHERINE VEALE	GBR 2001
4:33.08 SUSAN HALFACRE	USA 1988	34.41 L.WETZEL-OSBORNE	USA 1989	2:29.17 KARIN SEICK	GER 1996
4:34.20 SUSAN PAMELIA	USA 1987	34.51 MARIT BREITFELD	GER 2010	2:29.18 NADINE DAY	USA 2006
4:35.19 VALERIA VERGANI	ITA 2006	34.54 RIE TAKASE	JPN 2012	400 M. I.M.	
4:35.74 ANA PAULA GRILO	POR 2006	100 M. BRST		4:59.59 HITOMI MATSUDA	JPN 2012
4:35.89 JACQUI ROBINSON	AUS 2008	1:12.77 HITOMI MATSUDA	JPN 2012	5:02.67 K PIPES-NEILSEN	USA 1998
800 M. FREE		1:13.81 CAROLINE KRATTLI	USA 2001	5:15.05 LAUREEN WELTING	USA 2001
9:05.15 KIRSTEN CAMERON	NZL 2009	1:14.65 LINLEY FRAME	AUS 2010	5:16.17 CYNTHIA LEWIS	USA 2011
9:13.49 SHEILA TAORMINA	USA 2006	1:14.84 ANNA-KARIN LUNDIN	SWE 2011	5:16.83 NADINE DAY	USA 2007
9:16.20 K.PIPES-NEILSEN	USA 1997	1:14.87 CYNTHIA LEWIS	USA 2010	5:18.43 JILL HERNANDEZ	USA 1999
9:20.62 BETH KNIGHT	USA 1994	1:15.11 S VON DER LIPPE	USA 2004	5:19.77 KATHERINE VEALE	GBR 2001
9:24.54 SUSAN HALFACRE	USA 1988	1:15.36 SYLVIA GERASCH	GER 2004	5:20.69 ASA NEIJ	SWE 2010
9:25.54 PENNY BOND	AUS 1998	1:15.65 KELLY LEGASPI	USA 2009	5:21.23 CINDY BERTELINK	CAN 2012
9:26.17 JACQUI ROBINSON	AUS 2008	1:16.09 R.CRESCENTINI	ITA 2010	5:22.15 K.WULFF-HOPPE	GER 2003
9:27.41 HITOMI MATSUDA	JPN 2012	1:16.43 KAREN KEY	GBR 2012	*****	
9:27.70 VALERIA VERGANI	ITA 2006	200 M. BRST		*****	
9:29.55 JILL HERNANDEZ	USA 1999	2:35.40 HITOMI MATSUDA	JPN 2012	*****	
1500 M. FREE		2:41.51 YUKO MORITA	JPN 2012	*****	
17:31.97 KIRSTEN CAMERON	AUS 2012	2:41.76 CAROLINE KRATTLI	USA 2001	50 M. FREE	
17:46.58 K PIPES-NEILSEN	USA 2000	2:45.98 CYNTHIA LEWIS	USA 2010	25.68 DARA TORRES	USA 2011
17:54.74 HITOMI MATSUDA	JPN 2012	2:46.59 KAREN KEY	GBR 2012	26.44 EDITH OTTERMANN	RSA 2009
17:59.12 BETH KNIGHT	USA 1994	2:46.73 KELLY LEGASPI	USA 2009	26.88 MARIA DOELGER	USA 2003
18:07.43 LYNN MARSHALL	CAN 1996	2:47.19 SYLVIA GERASCH	GER 2004	26.95 JUNKO NAKANO	JPN 2008
18:09.36 LISA HAZEN	USA 1999	2:47.34 MARIT BREITFELD	GER 2010	26.97 ELIZABETH EMERY	USA 2002
18:12.11 SUSAN PAMELIA	USA 1987	2:47.83 YUKA KAWAI	JPN 2011	27.18 JENNIE BUCKNELL	AUS 2009
18:13.21 ALISON ZAMANIAN	USA 2008	2:47.95 ANNETT REX	GER 2004	27.28 ANN WORTHINGTON	USA 2006
18:15.93 LAURIE DODD	USA 2011	50 M. FLY		27.39 S.NEILSON-BELL	USA 1996
18:17.10 VALERIA VERGANI	ITA 2006	28.03 LYNNE HAYES	AUS 2009	27.53 MELINDA MAROSI	HUN 2011
50 M. BACK		28.25 R.CRESCENTINI	ITA 2011	27.55 SABINE LEIDING	GER 2011
30.17 SHERI HART	USA 2010	28.32 TRACIE MOLL	USA 1999	100 M. FREE	
31.22 MARIA RIVERA	VEN 2010	28.67 JUNKO ONISHI	JPN 2010	58.43 MARIA DOELGER	USA 2003
31.24 GISELI PEREIRA	BRA 2011	28.73 PASCALE VERBAUWEN	BEL 2001	59.13 ELIZABETH EMERY	USA 2002
31.27 PASCALE VERBAUWEN	BEL 2001	28.75 KRISTINA ULVELING	USA 2009	59.59 K PIPES-NEILSEN	USA 2004
31.28 CINDY MABEE	CAN 2008	28.92 SANDRA KAZIKOVA	CZE 2012	1:00.39 BEVERLEY MCCARNEY	RSA 2004
31.31 K PIPES-NEILSEN	USA 1999	29.06 EKATERINA YUDINA	RUS 2012	1:00.40 S.VON DER LIPPE	USA 2009
31.50 NAHOMI SHIRATA	JPN 2011	29.09 MELANIA BUSSIÈRE	CAN 2008	1:00.41 FALL WILLEBOORDSE	USA 2009
31.58 MARIANNE KRIEL	RSA 2006	29.27 SUSAN HALFACRE	USA 1988	1:00.50 ANA FORTIN	HON 2012
31.71 JODY SMITH	USA 2008	29.27 M DRUECKHAMMER	USA 2002	1:00.63 S.NEILSON-BELL	USA 1996
31.73 ERIKA BRAUN	USA 2011	100 M. FLY		1:00.73 KIMBERLY STEVENS	USA 2009
100 M. BACK		1:02.44 LYNNE HAYES	AUS 2009	1:00.88 BARBARA KEHBEIN	GER 2012
1:04.99 SHERI HART	USA 2010	1:03.52 MELANIA BUSSIÈRE	CAN 2008	200 M. FREE	
1:05.41 K.PIPES-NEILSEN	USA 1997	1:03.79 TRACIE MOLL	USA 1999	2:09.00 K PIPES-NEILSEN	USA 2003
1:06.34 GISELI PEREIRA	BRA 2011	1:03.97 KRISTINA ULVELING	USA 2009	2:10.50 S.VON DER LIPPE	USA 2007
1:06.91 JODY SMITH	USA 2008	1:04.34 K PIPES-NEILSEN	USA 1998	2:12.24 AMANDA PICARD	SUI 2008
1:07.44 C.J-SPONCELLER	SWE 2010	1:04.91 DEBBIE YOUNGER	CAN 2005	2:12.75 SUSANNE SIMPSON	USA 2002
1:07.79 JOANNA CORBEN	GBR 2005	1:05.02 PEGGY GROSS	USA 2004	2:13.09 JODY SMITH	USA 2009
1:07.93 MARIA RIVERA	VEN 2010	1:05.39 SUSAN HALFACRE	USA 1988	2:13.10 JILL HERNANDEZ	USA 2000
1:07.94 CINDY MABEE	CAN 2008	1:05.87 PASCALE VERBAUWEN	BEL 1998	2:13.15 VALERIA VERGANI	ITA 2012
1:08.11 MARIANNE KRIEL	RSA 2006	1:05.90 SILVIA PAROCCHI	ITA 2005	2:13.29 KATLIN VOLK	GER 2012
1:08.33 NAHOMI SHIRATA	JPN 2011	200 M. FLY		2:13.38 C PETERSEN	USA 2004
200 M. BACK		2:20.21 K.PIPES-NEILSEN	USA 1997	2:13.48 ANA PAULA GRILO	ESP 2009
2:18.20 K.PIPES-NEILSEN	USA 1997	2:22.05 HITOMI MATSUDA	JPN 2012	400 M. FREE	



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2012)

4:22.87	JANET EVANS	USA	2011	33.44	S.BONDARENKO	UKR	2011	2:30.96	JILL HERNANDEZ	USA	2000
4:28.24	K PIPES-NEILSEN	USA	2002	33.79	CAROLINE KRATTLI	USA	2002	2:31.45	ANGELA DELISSEN	GER	2009
4:34.33	AMANDA PICARD	SUI	2008	34.20	S.SEMINATORE	ITA	2004	2:31.57	GISELI PEREIRA	BRA	2012
4:34.33	SUSAN PRESTON	USA	2006	34.97	DAGMAR HILBIG	GER	2000	2:31.71	CLAUDIA POLL	CRC	2012
4:35.74	PENNY PALFREY	AUS	2002	35.05	ANNA HAMMAR	SWE	2012	2:31.84	MARZENA KULIS	ITA	2006
4:36.26	SUSAN DOMBKOWSKI	USA	2006	35.12	SABINA VITALONI	ITA	2012	2:31.91	FALL WILLEBOORDSE	USA	2010
4:38.69	ALISON ZAMANIAN	USA	2011	35.13	MARZENA KULIS	ITA	2008	400 M. I.M.			
4:38.69	JILL HERNANDEZ	USA	2000	35.46	KEIKO OKAMOTO	JPN	2009	5:09.83	K PIPES-NEILSEN	USA	2004
4:39.24	VALERIA VERGANI	ITA	2012	100 M. BRST				5:21.32	JILL HERNANDEZ	USA	2000
4:39.66	LISA HAZEN	USA	2006	1:12.74	LINLEY FRAME	AUS	2012	5:21.87	MARZENA KULIS	ITA	2006
8:59.06	JANET EVANS	USA	2011	1:13.34	S.VON DER LIPPE	USA	2006	5:21.95	VALERIA VERGANI	ITA	2012
9:24.77	K PIPES-NEILSEN	USA	2002	1:13.82	CAROLINE KRATTLI	USA	2002	5:22.96	ANA PAULA GRILO	ESP	2009
9:24.90	PENNY PALFREY	AUS	2002	1:14.12	S.BONDARENKO	UKR	2012	5:24.50	ANGELA DELISSEN	GER	2008
9:25.95	SUSAN PRESTON	USA	2006	1:14.90	MARZENA KULIS	ITA	2006	5:24.89	NADINE DAY	USA	2010
9:25.95	SUZAN HEIM-BOWEN	USA	2001	1:15.83	H.MORRIS-EYTON	RSA	2010	5:26.35	HELEN WHITFORD	AUS	2008
9:28.33	AMANDA PICARD	SUI	2008	1:16.81	DAGMAR HILBIG	GER	2000	5:26.74	CAROLINE KRATTLI	USA	2002
9:31.64	JILL HERNANDEZ	USA	2000	1:17.14	WENKE SEIDER	USA	2012	5:27.97	S.REIBEL-OBERLE	GER	2006
9:33.31	VALERIA VERGANI	ITA	2012	1:17.27	S.SEMINATORE	ITA	2004				
9:34.55	N.MUIR-COCHRANE	GBR	2004	1:18.18	HELEN GORMAN	GBR	2012				
9:36.13	SUSAN DOMBKOWSKI	USA	2006	200 M. BRST							
1500 M. FREE				2:38.44	S.VON DER LIPPE	USA	2006				
17:56.52	K PIPES-NEILSEN	USA	2003	2:40.76	H.MORRIS-EYTON	RSA	2010				
18:02.60	AMANDA PICARD	SUI	2008	2:41.53	LINLEY FRAME	AUS	2012				
18:14.34	SUZ HEIM-BOWEN	USA	1998	2:42.06	CAROLINE KRATTLI	USA	2002				
18:15.98	N.MUIR-COCHRANE	GBR	2004	2:43.17	MARZENA KULIS	ITA	2006				
18:25.26	JILL HERNANDEZ	USA	2000	2:47.83	HELEN GORMAN	GBR	2012				
18:25.28	LYNN MARSHALL	CAN	2002	2:49.37	WENKE SEIDER	USA	2011				
18:43.69	JANET EVANS	USA	2011	2:49.95	KEIKO OKAMOTO	JPN	2009				
18:44.49	LESLEIGH MAYES	AUS	2001	2:49.95	DAGMAR HILBIG	GER	1999				
18:45.43	GALEN RINALDI	USA	2011	2:50.47	ANNA HAMMAR	SWE	2012				
18:46.06	JILL GELLATLY	USA	2010	50 M. FLY							
50 M. BACK				28.52	S.VON DER LIPPE	USA	2009				
31.49	CINDY MABEE	CAN	2009	28.97	ELIZABETH EMERY	USA	2002				
31.63	JODY SMITH	USA	2009	29.02	EDITH OTTERMANN	RSA	2010				
31.69	JUNKO NAKANO	JPN	2008	29.13	SILVIA PAROCCHI	ITA	2007				
31.76	GISELI PEREIRA	BRA	2012	29.29	MARIA DOELGER	USA	2003				
31.90	MONICA SORO	ITA	2011	29.35	K PIPES-NEILSEN	USA	2002				
31.97	SYLVIE ALLERY	FRA	2009	29.40	K.RADKE GERRY	USA	2012				
31.99	BEVERLEY MCCARNEY	RSA	2004	29.59	YOKO YAMAGUCHI	JPN	2010				
32.11	FALL WILLEBOORDSE	USA	2010	29.59	BETH BAKER	USA	2001				
32.14	FRANCA BOSISIO	ITA	2009	29.64	NATALIYA MATVEEVA	RUS	2007				
32.15	HELEN WHITFORD	AUS	2008	100 M. FLY							
100 M. BACK				1:03.36	S.VON DER LIPPE	USA	2009				
1:07.06	CINDY MABEE	CAN	2009	1:04.74	K PIPES-NEILSEN	USA	2003				
1:07.21	JODY SMITH	USA	2009	1:05.33	SILVIA PAROCCHI	ITA	2007				
1:07.69	K PIPES-NEILSEN	USA	2003	1:05.61	BETH BAKER	USA	2001				
1:07.78	GISELI PEREIRA	BRA	2012	1:05.80	BEVERLEY MCCARNEY	RSA	2004				
1:08.21	SYLVIE ALLERY	FRA	2009	1:06.27	LAURA VAL	USA	1992				
1:08.32	HELEN WHITFORD	AUS	2008	1:06.40	MARZENA KULIS	ITA	2007				
1:08.33	KRISTIN GARY	USA	2008	1:06.41	MARIA DOELGER	USA	2003				
1:08.64	SILVIA PAROCCHI	ITA	2007	1:06.73	DANIELA DE PONTI	ITA	2006				
1:08.75	JOANNA CORBEN	GBR	2012	1:06.88	BARBARA GELLRICH	GER	2003				
1:08.87	FALL WILLEBOORDSE	USA	2010	200 M. FLY							
2:23.18	SILVIA PAROCCHI	ITA	2009	2:24.77	K PIPES-NEILSEN	USA	2003				
2:23.18	JODY SMITH	USA	2009	2:24.78	S.VON DER LIPPE	USA	2006				
2:23.64	K PIPES-NEILSEN	USA	2003	2:25.15	SUSAN PRESTON	USA	2006				
2:27.11	HELEN WHITFORD	AUS	2008	2:27.20	NICOLA LATTY	GBR	2012				
2:27.78	JOANNA CORBEN	GBR	2010	2:29.11	KAREN HIGGISON	AUS	2009				
2:28.36	KRISTIN GARY	USA	2008	2:29.37	SUSANNE SIMPSON	USA	2002				
2:30.17	ELLEN REYNOLDS	USA	2008	2:29.81	BETH BAKER	USA	2001				
2:30.37	GISELI PEREIRA	BRA	2012	2:30.42	ANA PAULA GRILO	ESP	2009				
2:31.28	LISA WARD	USA	2008	2:30.47	BIRGIT LOHBERG	USA	2007				
2:31.34	LAURA SMITH	USA	2008	2:31.80	SANDIE EASTON	USA	2009				
50 M. BRST				200 M. I.M.							
33.09	LINLEY FRAME	AUS	2012	2:25.03	S.VON DER LIPPE	USA	2007				
33.25	S.VON DER LIPPE	USA	2006	2:25.38	K PIPES-NEILSEN	USA	2003				
				2:29.80	CAROLINE KRATTLI	USA	2002				
				2:30.89	ANA PAULA GRILO	ESP	2009				

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50 M. FREE

26.59	EDITH OTTERMANN	RSA	2011
27.26	JENNIE BUCKNELL	AUS	2012
27.44	SUSAN WALSH	USA	2007
27.67	FALL WILLEBOORDSE	USA	2011
27.68	ANETTE PHILIPSSON	SWE	2012
27.76	BRIGITTE HEUER	USA	2006
27.78	JUNKO NAKANO	JPN	2011
27.78	BETH LUTZ KNIGHT	USA	2005
27.81	LISA DAHL	USA	2006
28.07	BERGER-TALLOCHINO	FRA	2002
100 M. FREE			
59.79	K.PIPES-NEILSEN	USA	2007
1:00.16	SUSAN WALSH	USA	2007
1:00.78	JENNIE BUCKNELL	AUS	2011
1:00.95	BETH LUTZ KNIGHT	USA	2005
1:01.03	REBECCA PERROTT	NZL	2008
1:01.19	ANETTE PHILIPSSON	SWE	2012
1:01.39	SARAH MACDONALD	CAN	2005
1:01.60	FALL WILLEBOORDSE	USA	2011
1:01.92	KATHY GARNIER	USA	2006
1:02.11	SUZANN HEIM-BOWEN	USA	2003
200 M. FREE			
2:10.09	K.PIPES-NEILSEN	USA	2009
2:12.76	BETH LUTZ KNIGHT	USA	2005
2:13.17	SUZANN HEIM-BOWEN	USA	2003
2:13.27	ELENE JONES	USA	2009
2:13.55	REBECCA PERROTT	NZL	2008
2:13.85	JILL HERNANDEZ	USA	2005
2:14.84	SUSANNE SIMPSON	USA	2005
2:15.21	SUSANNA ROSEN	SWE	2009
2:15.69	JENNIE BUCKNELL	AUS	2011
2:15.77	MAITE GARCIA	ESP	2012
400 M. FREE			
4:35.84	K.PIPES-NEILSEN	USA	2008
4:37.74	ELENE JONES	USA	2009
4:39.20	SUZANN HEIM-BOWEN	USA	2003
4:41.63	LYNN MARSHALL	CAN	2010
4:43.14	SUSANNE SIMPSON	USA	2008
4:44.23	C.PETERSEN	USA	2009
4:44.38	CLAUDIA KERN	GER	2009
4:45.57	JILL HERNANDEZ	USA	2005
4:45.65	SUSANNA ROSEN	SWE	2009
4:46.14	MARGE CURRAN	USA	2009
800 M. FREE			
9:24.11	K.PIPES-NEILSEN	USA	2007
9:24.53	SUZANN HEIM-BOWEN	USA	2003



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9:36.86	ELENE JONES	USA	2008	1:18.19	MAGGIE KELLY	GBR	2001	5:32.69	ANGELA DELISSEN	GER	2012
9:40.27	LYNN MARSHALL	CAN	2008	1:19.49	JENNY WHITELEY	AUS	2003	5:33.11	LYNN MARSHALL	CAN	2009
9:40.64	CLAUDIA KERN	GER	2009	1:20.12	ELKE SCHMITZ	GER	2012	5:35.38	VIBEKE SWANSON	USA	2007
9:43.99	SUSANNA ROSEN	SWE	2009	1:20.89	K.PIPES-NEILSEN	USA	2009	5:36.19	LAURIE HUG	USA	2012
9:45.99	REBECCA PERROTT	NZL	2008	1:20.96	CHRISTEL DEBRUYNE	FRA	2012	*****			
9:46.88	SUSANNE SIMPSON	USA	2008	1:20.99	CORRIN POPPS	USA	2009	*****			
9:47.56	MARGEE CURRAN	USA	2009	200 M. BRST				*****			
9:52.94	TERESA GARCIA	ESP	2010	2:40.42	MARZENA KULIS	ITA	2009	*****			
1500 M. FREE				2:45.20	CAROLINE KRATTLI	USA	2007	*****			
17:55.83	SUZANN HEIM-BOWEN	USA	2003	2:50.94	CLAUDIA KERN	GER	2009	50 M. FREE			
18:10.28	ELENE JONES	USA	2008	2:51.02	JUDIT HAJDU	AUT	2007	28.22	LAURA VAL	USA	2001
18:12.63	LYNN MARSHALL	CAN	2009	2:53.27	K.PIPES-NEILSEN	USA	2008	28.25	JENNY WHITELEY	AUS	2009
18:40.27	LAURIE HUG	USA	2012	2:54.17	MONICA CORO	ITA	2011	28.41	SARAH MACDONALD	CAN	2010
18:44.29	K.PIPES-NEILSEN	USA	2008	2:54.36	H.MORRIS-EYTON	RSA	2012	28.41	ANGELA ZINGLER	GER	2005
18:54.47	MAITE GARCIA	ESP	2011	2:55.96	JENNY WHITELEY	AUS	2003	28.46	JACKI HIRSTY	USA	2003
18:55.86	JILL GELLATLY	USA	2012	2:57.24	COLETTE CRABBE	USA	2001	28.55	KATHY GARNIER	USA	2010
19:07.99	PAMELA NIX	AUS	2012	2:57.38	ULRIKE URBANIAK	GER	1998	28.58	LISA DAHL	USA	2012
19:09.25	NORMA CAHILL	IRL	2010	50 M. FLY				28.77	J SWAGERTY-HILL	USA	2002
19:09.53	N.MUIR-COCHRANE	GBR	2009	28.97	EDITH OTTERMANN	RSA	2011	28.85	ANN SENNY	USA	2009
50 M. BACK				29.12	S.VON DER LIPPE	USA	2010	28.95	LIZ HOBBS	USA	2011
31.71	ELLEN REYNOLDS	USA	2012	29.37	LAURIE DITOMMASO	USA	2009	100 M. FREE			
31.71	VALERIE JENKINS	USA	2008	29.52	K.PIPES-NEILSEN	USA	2008	1:01.13	LAURA VAL	USA	2001
31.85	SUSAN WALSH	USA	2007	29.57	LISA DAHL	USA	2009	1:02.31	S.HEIM-BOWEN	USA	2008
31.99	LESLIE LIVINGSTON	USA	2009	29.74	LESLIE LIVINGSTON	USA	2009	1:02.95	SARAH MACDONALD	CAN	2010
32.08	SHIZUKO HIRAISHI	JPN	2009	29.84	SUSAN WALSH	USA	2007	1:02.95	SHANE GOULD	AUS	2008
32.10	K.PIPES-NEILSEN	USA	2007	29.89	SHIZUKO HIRAISHI	JPN	2008	1:02.99	JILL HERNANDEZ	USA	2011
32.53	SUSAN WILLIAMS	USA	2011	29.90	NATALIYA MATVEEVA	RUS	2010	1:03.31	CAROL OLSON	USA	2012
32.56	FALL WILLEBOORDSE	USA	2011	30.01	LISA WARD	USA	2009	1:03.32	JENNY WHITELEY	AUS	2009
32.65	VERA CAPKOVA	BEL	2006	100 M. FLY				1:03.58	JACKI HIRSTY	USA	2003
32.73	HIROKO NOGUCHI	JPN	2010	1:05.69	K.PIPES-NEILSEN	USA	2008	1:03.70	KATHY GARNIER	USA	2010
100 M. BACK				1:06.42	ARLENE DELMAGE	USA	2008	1:03.78	ENEY JONES	USA	2010
1:08.11	K.PIPES-NEILSEN	USA	2009	1:06.65	BIRGIT LOHBERG	USA	2010	200 M. FREE			
1:08.55	ELLEN REYNOLDS	USA	2010	1:07.18	NATALIYA MATVEEVA	RUS	2010	2:15.00	S.HEIM-BOWEN	USA	2008
1:09.41	SILVIA PAROCCHI	ITA	2012	1:07.30	JILL HERNANDEZ	USA	2005	2:15.37	LAURA VAL	USA	2001
1:09.53	KRISTIN GARY	USA	2012	1:07.62	SHIZUKO HIRAISHI	JPN	2008	2:16.52	JENNY WHITELEY	AUS	2009
1:09.66	SUSAN WALSH	USA	2007	1:07.97	SILVIA PAROCCHI	ITA	2012	2:17.53	ENEY JONES	USA	2010
1:11.18	VERA CAPKOVA	BEL	2006	1:08.02	LAURA VAL	USA	1998	2:17.65	LYNN MARSHALL	CAN	2011
1:11.29	FALL WILLEBOORDSE	USA	2011	1:08.09	MARZENA KULIS	ITA	2009	2:17.81	SHANE GOULD	AUS	2008
1:11.34	LISA WARD	USA	2009	1:08.56	SUSANNE SIMPSON	USA	2005	2:18.09	BARBARA GELLRICH	GER	2011
1:11.68	JENNIE BUCKNELL	AUS	2011	200 M. FLY				2:18.49	K.PIPES-NEILSEN	FRA	2012
1:11.68	SALLY BELL	AUS	2007	2:24.34	K.PIPES-NEILSEN	USA	2009	2:20.53	K.PALACE	USA	2011
200 M. BACK				2:31.37	LAURA VAL	USA	1998	2:21.64	DEBRA SCOTT	RSA	2012
2:26.06	K.PIPES-NEILSEN	USA	2009	2:32.07	SUSANNE SIMPSON	USA	2006	400 M. FREE			
2:29.82	ELLEN REYNOLDS	USA	2012	2:32.38	TERESA GARCIA	ESP	2010	4:41.19	LYNN MARSHALL	CAN	2011
2:31.07	SILVIA PAROCCHI	ITA	2012	2:32.59	S. PALMER-WHITE	AUS	2009	4:42.37	S.HEIM-BOWEN	USA	2008
2:31.93	LISA WARD	USA	2009	2:33.37	LYNN MARSHALL	CAN	2006	4:47.93	LAURA VAL	USA	2002
2:32.12	HELEN WHITFORD	AUS	2012	2:34.03	PAMELA NIX	AUS	2012	4:48.62	ENEY JONES	USA	2010
2:33.20	KRISTIN GARY	USA	2012	2:34.05	ANDREA BLOCK	USA	2006	4:49.27	JILL HERNANDEZ	USA	2011
2:33.51	SALLY BELL	AUS	2007	2:35.32	ARLENE DELMAGE	USA	2007	4:50.37	JENNY WHITELEY	AUS	2008
2:34.80	SUSAN WALSH	USA	2007	2:35.38	ROBIN KLESTINEC	USA	2006	4:51.07	BARBARA GELLRICH	GER	2011
2:35.39	STEPHANIE STONE	USA	2012	200 M. I.M.				4:51.73	SHANE GOULD	AUS	2008
2:36.03	LESLEY WILDE	GBR	2004	2:27.57	K.PIPES-NEILSEN	USA	2008	4:57.19	JEANNE CARLSEN	CAN	2008
50 M. BRST				2:31.88	MARZENA KULIS	ITA	2009	4:57.20	DENISE BROWN	USA	2009
33.66	S.VON DER LIPPE	USA	2010	2:31.95	REBECCA PERROTT	NZL	2008	800 M. FREE			
33.98	CAROLINE KRATTLI	USA	2007	2:32.46	JILL HERNANDEZ	USA	2005	9:38.04	LYNN MARSHALL	CAN	2011
34.05	MARZENA KULIS	ITA	2009	2:32.58	ELLEN REYNOLDS	USA	2012	9:48.81	S.HEIM-BOWEN	USA	2008
34.20	MONICA CORO	ITA	2011	2:34.10	CAROLINE KRATTLI	USA	2007	9:52.55	LAURA VAL	USA	2002
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	10:09.28	ENEY JONES	USA	2012
35.60	KIM CROUCH	USA	2008	2:35.13	LISA WARD	USA	2009	10:10.10	K.PALACE	USA	2011
35.69	FALL WILLEBOORDSE	USA	2011	2:35.64	CECILIA STANFORD	RSA	2006	10:10.11	JENNY WHITELEY	AUS	2008
35.99	JENNY WHITELEY	AUS	2003	400 M. I.M.				10:14.15	C.TARANTINO	ITA	2005
36.08	K.PIPES-NEILSEN	USA	2007	5:13.85	K.PIPES-NEILSEN	USA	2008	10:14.16	DENISE BROWN	USA	2009
100 M. BRST				5:27.67	JILL HERNANDEZ	USA	2005	10:17.70	CELESTE MILLER	USA	2000
1:13.49	MARZENA KULIS	ITA	2009	5:27.86	REBECCA PERROTT	NZL	2008	1500 M. FREE			
1:14.41	S.VON DER LIPPE	USA	2010	5:29.68	MARZENA KULIS	ITA	2009	18:29.28	LYNN MARSHALL	CAN	2011
1:15.65	CAROLINE KRATTLI	USA	2007	5:32.02	HELEN WHITFORD	AUS	2012	18:32.76	S.HEIM-BOWEN	USA	2008
1:17.16	MONICA CORO	ITA	2011	5:32.20	ELLEN REYNOLDS	USA	2012	19:01.37	ENEY JONES	USA	2010
								19:08.69	LAURA VAL	USA	2001



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19:13.59	JEANNE CARLSEN	CAN	2010	3:02.47	AMANDA HEATH	GBR	2009	29.89	BARBARA JONES	USA	2012
19:19.98	DENISE BROWN	USA	2009	3:02.58	JUDITH HATTLE	GBR	2012	29.94	JACKI HIRSTY	USA	2010
19:35.54	ANDREA BLOCK	USA	2011	3:03.23	ULRIKE URBANIAK	GER	2004	29.97	REGULA STEIGER	SUI	2009
19:37.26	JENNY WHITELEY	AUS	2008	3:04.41	JENNIFER MERRITT	GBR	2002	30.03	CONNY BOER-BUIJS	NED	2005
19:39.40	C.TARANTINO	ITA	2005	50 M. FLY				30.12	LYNN MORRISON	USA	2009
19:40.24	BARBARA DUNBAR	USA	2002	30.24	ANGELA ZINGLER	GER	2004	30.27	K.ANDRUS-HUGHES	USA	2012
50 M. BACK				30.34	LISA DAHL	USA	2012	100 M. FREE			
32.43	LESLIE LIVINGSTON	USA	2012	30.47	LESLIE LIVINGSTON	USA	2012	1:02.02	LAURA VAL	USA	2008
32.87	J SWAGERTY-HILL	USA	2002	30.71	JUDY OLIVER	CAN	1985	1:03.99	HEATHER CAMPBELL	NZL	2008
33.26	K.ANDRUS-HUGHES	USA	2007	30.72	LAURA VAL	USA	2001	1:05.78	LYNN MORRISON	USA	2009
33.41	SHIZUKO HIRAIISHI	JPN	2012	31.16	HARUMI SUGINUMA	JPN	2009	1:06.17	K.ANDRUS-HUGHES	USA	2012
33.45	BONNIE BILICH	USA	2009	31.16	JENNY WHITELEY	AUS	2008	1:06.40	CONNY BOER-BUYS	NED	2009
33.62	CATHY SHEEHAN	CAN	2010	31.41	SHIZUKO HIRAIISHI	JPN	2012	1:06.66	PAT SARGEANT	USA	2008
33.67	KAREN HUMPHREYS	USA	2005	31.42	CAROL OLSON	USA	2012	1:06.97	JACKI HIRSTY	USA	2010
33.67	LAURA VAL	USA	2002	31.50	MELINDA MANN	USA	2006	1:07.15	CHARLOTTE DAVIS	USA	2006
33.78	AROMA MARTORELL	BRA	2011	100 M. FLY				1:07.26	BARBARA JONES	USA	2011
34.18	LISA HILGER	USA	2012	1:07.80	JILL HERNANDEZ	USA	2011	1:07.36	HEATHER CAMPBELL	RSA	2012
100 M. BACK				1:07.81	LAURA VAL	USA	2001	200 M. FREE			
1:11.78	K.PIPES-NEILSEN	USA	2012	1:10.11	ANDREA BLOCK	USA	2012	2:16.28	LAURA VAL	USA	2009
1:13.55	K.ANDRUS-HUGHES	USA	2008	1:10.21	K.PIPES-NEILSEN	FRA	2012	2:24.47	N.STEADMAN-MARTIN	USA	2009
1:13.76	BONNIE BILICH	USA	2009	1:10.31	CECILIA STANFORD	RSA	2011	2:26.28	LO KNAPP	USA	2009
1:13.89	CATHY SHEEHAN	CAN	2010	1:10.38	JUDITH HATTLE	GBR	2012	2:26.43	HEATHER CAMPBELL	NZL	2008
1:14.15	JANIS SHIRRIFF	CAN	2012	1:10.54	CECILIA STANFORD	RSA	2012	2:26.64	JACKI HIRSTY	USA	2010
1:14.19	KAREN HUMPHREYS	USA	2005	1:10.79	S.HEIM-BOWEN	USA	2008	2:27.49	PAT SARGEANT	USA	2008
1:14.30	LYNN MARSHALL	CAN	2011	1:11.08	MELINDA MANN	USA	2006	2:28.56	BARBARA DUNBAR	USA	2004
1:14.44	J SWAGERTY-HILL	USA	2002	1:11.15	LYNN MARSHALL	CAN	2011	2:28.93	CONNY BOER-BUYS	NED	2009
1:14.63	LAURA VAL	USA	2001	200 M. FLY				2:29.52	VERONICA HIBBEN	USA	2011
1:14.64	CECILIA STANFORD	RSA	2011	2:31.55	LAURA VAL	USA	2001	2:29.54	CAROLYN BATTIN	USA	2009
200 M. BACK				2:34.93	LYNN MARSHALL	CAN	2011	400 M. FREE			
2:33.03	LYNN MARSHALL	CAN	2011	2:40.57	JUDITH HATTLE	GBR	2012	4:50.13	LAURA VAL	USA	2009
2:35.55	K.PIPES-NEILSEN	FRA	2012	2:42.16	ANA MARIA BIAG	ECU	2012	5:04.48	N.STEADMAN-MARTIN	USA	2009
2:37.11	NAOKO SHIDE	JPN	2010	2:43.11	JENNY COOK	USA	2008	5:08.19	C.TARANTINO	ITA	2010
2:39.40	BONNIE BILICH	USA	2009	2:43.99	CECILIA STANFORD	RSA	2012	5:08.91	BARBARA DUNBAR	USA	2004
2:41.59	CATHY SHEEHAN	CAN	2010	2:44.93	BARBARA DUNBAR	USA	1999	5:09.03	CHRISTIE CIRAULO	USA	2008
2:42.91	AHELEE SUE OSBORN	USA	2009	2:45.17	ANDREA BLOCK	USA	2011	5:12.78	SUSANNA SORDELLI	ITA	2012
2:43.14	PATY LANDERS	USA	2006	2:45.65	RIEKO SHOJI	JPN	2010	5:14.52	JACKI HIRSTY	USA	2010
2:43.56	MARIA ALWINE EDER	ITA	2012	2:46.47	JENNY WHITELEY	AUS	2009	5:15.29	DI COETZEE	RSA	2010
2:44.06	JANIS SHIRRIFF	CAN	2012	200 M. I.M.				5:15.48	GAIL AMUNDUD	CAN	2012
2:45.00	C.TARANTINO	ITA	2005	2:34.32	K.PIPES-NEILSEN	FRA	2012	5:16.34	SUSAN SKIFF	USA	2010
50 M. BRST				2:36.62	CECILIA STANFORD	RSA	2011	800 M. FREE			
34.18	MONICA CORO	ITA	2012	2:36.97	JILL HERNANDEZ	USA	2011	10:05.28	LAURA VAL	USA	2008
35.42	JENNY WHITELEY	AUS	2009	2:37.90	JENNY WHITELEY	AUS	2008	10:29.20	C.TARANTINO	ITA	2010
36.36	MARJA BLOEMZAAD	NED	2011	2:38.58	CECILIA STANFORD	RSA	2012	10:38.30	CHRISTIE CIRAULO	USA	2009
36.73	JAN CLARKSON	AUS	2008	2:38.64	LYNN MARSHALL	CAN	2011	10:40.54	CAROLYN BATTIN	USA	2009
36.90	ALBENA POPOVA	ITA	2012	2:39.48	NAOKO SHIDE	JPN	2010	10:41.10	BARBARA DUNBAR	USA	2004
37.46	SARAH MACDONALD	CAN	2010	2:39.49	JENNY COOK	USA	2008	10:48.54	DI COETZEE	RSA	2010
37.51	MELINDA MANN	USA	2006	2:41.31	LAURA VAL	USA	2002	10:54.51	S.LOFTUS-CHARLEY	USA	2010
37.61	LOLI BALBUENA	ESP	2009	2:41.57	CYNTHIA PINCOTT	CAN	2012	10:55.15	SUSAN SKIFF	USA	2012
37.64	KATE SORENSEN	DEN	2011	400 M. I.M.				10:57.82	KATHI LINDSTROM	USA	2008
37.75	DAGMAR FRESE	GER	2006	5:32.26	LYNN MARSHALL	CAN	2011	10:58.80	CELESTE MILLER	USA	2005
100 M. BRST				5:32.41	K.PIPES-NEILSEN	FRA	2012	1500 M. FREE			
1:15.50	MONICA CORO	ITA	2012	5:37.60	CECILIA STANFORD	RSA	2011	19:14.70	LAURA VAL	USA	2007
1:19.23	JENNY WHITELEY	AUS	2009	5:40.27	NAOKO SHIDE	JPN	2011	19:52.61	BARBARA DUNBAR	USA	2004
1:21.29	JAN CLARKSON	AUS	2008	5:42.80	LAURA VAL	USA	2002	20:06.88	CHRISTIE CIRAULO	USA	2008
1:22.70	KATE SORENSEN	DEN	2012	5:43.43	RIEKO SHOJI	JPN	2010	20:17.30	C.TARANTINO	ITA	2010
1:23.15	MARJA BLOEMZAAD	NED	2011	5:46.34	JENNY WHITELEY	AUS	2008	20:31.89	S.LOFTUS-CHARLEY	USA	2010
1:23.21	MELINDA MANN	USA	2009	5:49.32	JENNY COOK	USA	2008	20:38.99	LO KNAPP	USA	2009
1:23.47	DAGMAR FRESE	GER	2006	5:49.43	JUDITH HATTLE	GBR	2012	20:53.20	KAREN EINSIDLER	USA	2012
1:23.67	AVILA RHODES	CAN	2006	5:49.58	DANIELLE OGIER	USA	2002	21:09.91	ARDETH MUELLER	USA	1997
1:24.05	CECILIA STANFORD	RSA	2011	*****				21:10.21	CAROLYN BATTIN	USA	2010
1:24.06	JENNY COOK	USA	2010	*****				21:18.31	ANNE BOURNE	GBR	2011
200 M. BRST				WOMEN 55-59				50 M. BACK			
2:50.92	MONICA CORO	ITA	2012	*****				33.75	LAURA VAL	USA	2010
2:55.15	JENNY WHITELEY	AUS	2008	50 M. FREE				35.02	K.ANDRUS-HUGHES	USA	2012
2:57.58	JAN CLARKSON	AUS	2008	28.69	LAURA VAL	USA	2008	35.13	BENEDICTE DUPREZ	FRA	2006
2:58.67	CYNTHIA PINCOTT	CAN	2012	29.36	HEATHER CAMPBELL	NZL	2008	35.55	B BARNETT-SALLEE	USA	2002
3:01.03	KATE SORENSEN	DEN	2011	29.46	PAT SARGEANT	USA	2008	36.08	SATOKO TAKEUJI	JPN	1998
3:02.10	MARJA BLOEMZAAD	NED	2011	29.87	CHERYL GOMMERS	AUS	2003	36.16	MINDY DOUGHERTY	USA	2009



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36.24	MARY ANNE MYERS	CAN	2010	32.89	MELINDA MANN	USA	2012	1:09.29	F.WILLIAMSON	USA	2008
36.28	MICHIKO KIHARA	JPN	2003	32.89	JANIE COLE	USA	2008	1:10.29	CONNY BOER-BUYS	NED	2010
36.40	CYNTHIA MALTRY	USA	2009	100 M. FLY				1:10.29	CHRISTEL SCHULZ	GER	2004
36.43	BARBARA STUBBE	GER	2009	1:09.47	LAURA VAL	USA	2009	1:10.51	RUTH SHAPS	USA	2008
100 M. BACK				1:13.71	JUDY WILSON	GBR	2000	1:10.60	CAROLYN BOAK	USA	2006
1:14.41	LAURA VAL	USA	2008	1:14.29	HARUMI SUGINUMA	JPN	2012	200 M. FREE			
1:17.21	BENEDICTE DUPREZ	FRA	2006	1:14.73	COLETTE CRABBE	USA	2012	2:21.48	LAURA VAL	USA	2012
1:17.51	B BARNETT-SALLEE	USA	2002	1:15.70	LEIGH RODGERS	AUS	2012	2:29.54	SANDERINA KRUGER	RSA	2010
1:17.52	K.ANDRUS-HUGHES	USA	2012	1:15.71	N.STEADMAN-MARTIN	USA	2009	2:31.50	ROSARIO VIVANCO	PER	2009
1:18.55	HEATHER CAMPBELL	RSA	2012	1:16.18	PAT SARGEANT	USA	2008	2:31.63	JACKI HIRSTY	USA	2012
1:18.93	EVIE LYNCH	USA	2008	1:16.67	MELINDA MANN	USA	2012	2:31.98	B.BARNETT-SALLEE	USA	2006
1:19.45	MINDY DOUGHERTY	USA	2009	1:17.14	CHRISTIE CIRAULO	USA	2008	2:36.64	CONNY BOER-BUYS	NED	2012
1:19.65	SATOKO TAKEUJI	JPN	1997	1:17.61	ELAINE VALDEZ	USA	2010	2:37.19	BARBARA DUNBAR	USA	2006
1:20.36	DI COETZEE	RSA	2010	200 M. FLY				2:37.91	F.WILLIAMSON	USA	2008
1:20.58	CYNTHIA MALTRY	USA	2009	2:41.51	LAURA VAL	USA	2007	2:38.09	CELESTE MILLER	USA	2011
200 M. BACK				2:44.16	N.STEADMAN-MARTIN	USA	2009	2:38.49	SUSAN HAIGH	GBR	2012
2:47.52	N.STEADMAN-MARTIN	USA	2009	2:52.21	LEIGH RODGERS	AUS	2012	400 M. FREE			
2:47.98	EVIE LYNCH	USA	2008	2:53.74	BARBARA DUNBAR	USA	2004	4:59.82	LAURA VAL	USA	2012
2:49.78	C.TARANTINO	ITA	2010	2:55.05	COLETTE CRABBE	BEL	2012	5:21.79	B.BARNETT-SALLEE	USA	2006
2:50.46	LAURA VAL	USA	2007	2:55.50	HARUMI SUGINUMA	JPN	2012	5:26.95	ROSARIO VIVANCO	PER	2009
2:50.50	MINDY DOUGHERTY	USA	2009	2:56.09	SUSAN SKIFF	USA	2012	5:27.37	BARBARA DUNBAR	USA	2009
2:50.54	K.ANDRUS-HUGHES	USA	2012	2:58.86	MIRA GUGLIELMI	ITA	2007	5:27.98	SUSAN HAIGH	GBR	2012
2:51.07	B BARNETT-SALLEE	USA	2002	2:58.89	JUDY WILSON	GBR	2002	5:30.07	CELESTE MILLER	USA	2011
2:51.54	BENEDICTE DUPREZ	FRA	2009	3:00.95	SUSANA BARKLEY	ESP	2000	5:32.20	S.LOFTUS-CHARLEY	USA	2011
2:53.41	SUSANNA SORDELLI	ITA	2012	200 M. I.M.				5:32.53	HEIDI ERNST	USA	2012
2:54.56	BARBARA STUBBE	GER	2009	2:43.45	LAURA VAL	USA	2008	5:32.67	CONNY BOER-BUYS	NED	2012
50 M. BRST				2:46.79	COLETTE CRABBE	USA	2012	5:33.08	F.WILLIAMSON	USA	2008
38.24	ALISON NYE	GBR	2012	2:46.91	LO KNAPP	USA	2009	800 M. FREE			
38.30	JAN WICKS	AUS	2001	2:49.12	HEATHER CAMPBELL	NZL	2008	10:27.71	LAURA VAL	USA	2011
38.34	DAGMAR FRESE	GER	2011	2:51.88	TORILL BERGESEN	NOR	2012	11:16.81	BARBARA DUNBAR	USA	2009
39.01	MONIKA SENFTLEBEN	GER	2001	2:52.53	PAT SARGEANT	USA	2009	11:16.86	ROSARIO VIVANCO	PER	2009
39.16	BETH ESTEL	USA	2012	2:53.15	CHARLOTTE DAVIS	USA	2006	11:17.57	HEIDI ERNST	USA	2012
39.17	TORILL BERGESEN	NOR	2012	2:53.41	C.STIEFENHOFER	GER	2000	11:18.87	CELESTE MILLER	USA	2011
39.18	REGULA STEIGER	SUI	2009	2:53.54	LEIGH RODGERS	AUS	2012	11:22.22	S.LOFTUS-CHARLEY	USA	2011
39.27	PETRA SCHROER	GER	2008	2:53.72	BRIGITTE MERTEN	GER	2003	11:24.14	BETTYANN BARNETT	USA	2008
39.37	LO KNAPP	USA	2009	400 M. I.M.				11:26.08	ANN CAMPBELL	AUS	2009
39.57	AMANDA HEATH	GBR	2012	5:49.40	LAURA VAL	USA	2009	11:26.49	CONNY BOER-BUYS	NED	2012
100 M. BRST				5:55.53	COLETTE CRABBE	USA	2011	11:27.02	SUSAN HAIGH	GBR	2012
1:25.19	LO KNAPP	USA	2009	5:58.55	N.STEADMAN-MARTIN	USA	2009	1500 M. FREE			
1:25.38	COLETTE CRABBE	BEL	2012	6:07.72	CHARLOTTE DAVIS	USA	2006	19:52.85	LAURA VAL	USA	2011
1:25.43	DAGMAR FRESE	GER	2012	6:09.10	SUSANNA SORDELLI	ITA	2012	21:16.05	BARBARA DUNBAR	USA	2009
1:26.17	AMANDA HEATH	GBR	2012	6:13.20	LAURA VACA	MEX	2010	21:25.50	S.LOFTUS-CHARLEY	USA	2011
1:26.50	TORILL BERGESEN	NOR	2012	6:13.21	AMANDA HEATH	GBR	2012	21:36.83	CELESTE MILLER	USA	2010
1:27.12	BETH ESTEL	USA	2012	6:14.28	M.PUJALET-DEVITT	USA	2012	22:02.26	ANN CAMPBELL	AUS	2009
1:27.40	JENNIFER MERRITT	GBR	2006	6:14.34	MIRA GUGLIELMI	ITA	2008	22:05.65	JACKIE MARR	USA	2005
1:27.44	PETRA SCHROER	GER	2008	6:14.40	BRIGITTE MERTEN	GER	2004	22:09.84	TERRY SUE GAULT	USA	2010
1:27.70	RICHIKO SEKISHITA	JPN	2012	*****				22:10.65	SUSAN HAIGH	GBR	2012
1:27.81	KEIKO UTSUMI	JPN	2011	*****				22:29.56	CONNY BOER-BUYS	NED	2010
200 M. BRST				*****				22:32.06	JEN THOMASSON	AUS	2003
3:04.32	LO KNAPP	USA	2009	*****				50 M. BACK			
3:07.00	AMANDA HEATH	GBR	2012	50 M. FREE				34.30	LAURA VAL	USA	2012
3:07.07	COLETTE CRABBE	BEL	2012	29.31	LAURA VAL	USA	2011	35.79	B.BARNETT-SALLEE	USA	2006
3:08.12	KEIKO UTSUMI	JPN	2011	30.11	CHARLOTTE DAVIS	USA	2012	36.61	SATOKO TAKEUJI	JPN	2004
3:09.28	JENNIFER MERRITT	GBR	2006	30.19	SANDERINA KRUGER	RSA	2011	36.93	L.YNETTE STEVENSON	AUS	2009
3:09.57	IRINA SHANGINA	RUS	2011	30.42	LYNETTE STEVENSON	AUS	2009	36.94	RACHEL BARTON	GBR	2008
3:09.85	FRANCES PENWARDEN	GBR	2009	30.55	ROSARIO VIVANCO	PER	2009	37.06	MARIA BALLA	HUN	2004
3:10.15	BETH ESTEL	USA	2012	31.31	JACKI HIRSTY	USA	2012	37.12	SILVANA ABREU	BRA	2002
3:11.46	INEKE WEEKERS	NED	2009	31.39	CONNY BOER-BUYS	NED	2010	37.14	MARGIT OHLSSON	SWE	2009
3:12.03	ULRIKE URBANIAK	GER	2009	31.55	CHRISTEL SCHULZ	GER	2004	37.37	BENEDICTE DUPREZ	FRA	2012
50 M. FLY				31.60	CAROLYN BOAK	USA	2006	37.56	PENNY STEELE	AUS	2005
31.42	LAURA VAL	USA	2009	31.66	REGULA STEIGER	SUI	2012	100 M. BACK			
32.07	HARUMI SUGINUMA	JPN	2012	31.66	JUDY WILSON	GBR	2004	1:16.08	LAURA VAL	USA	2012
32.24	JUDY WILSON	GBR	2000	100 M. FREE				1:18.91	B.BARNETT-SALLEE	USA	2006
32.38	HEATHER CAMPBELL	NZL	2008	1:03.83	LAURA VAL	USA	2011	1:20.43	SATOKO TAKEUJI	JPN	2002
32.46	HEATHER CAMPBELL	RSA	2012	1:06.63	SANDERINA KRUGER	RSA	2009	1:20.78	BENEDICTE DUPREZ	FRA	2012
32.49	LEIGH RODGERS	AUS	2012	1:07.33	CHARLOTTE DAVIS	USA	2010	1:22.07	MARGARET WILDING	GBR	2000
32.57	CHRISTIE CIRAULO	USA	2008	1:08.08	ROSARIO VIVANCO	PER	2009	1:22.28	MARGIT OHLSSON	SWE	2009
32.59	PAT SARGEANT	USA	2009	1:08.50	JACKI HIRSTY	USA	2012	1:22.85	MARIA BALLA	HUN	2006



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1:23.63	DIANN UUSTAL	USA	2010	1:25.58	TERRY SUE GAULT	USA	2010	2:50.89	SUZANNE DILLS	USA	2012
1:23.96	SANDERINA KRUGER	RSA	2010	200 M. FLY				2:51.49	BRIGITTE MERTEN	GER	2011
1:24.34	RUTH SHAPS	USA	2008	2:41.03	LAURA VAL	USA	2011	2:52.12	STELLA HOLDSSTEIN	ISR	2012
200 M. BACK				3:05.07	BARBARA DUNBAR	USA	2009	400 M. FREE			
2:48.78	LAURA VAL	USA	2011	3:10.31	M.NEUMEISTER	GER	2012	5:43.10	JEN THOMASSON	AUS	2008
2:50.16	B.BARNETT-SALLEE	USA	2006	3:12.48	JUDY WILSON	GBR	2004	5:46.27	YOSHIKO OSAKI	JPN	2003
2:55.53	BENEDICTE DUPREZ	FRA	2012	3:12.52	SUSANA BARKLEY	ESP	2006	5:46.65	JACKIE MARR	USA	2008
2:58.02	SATOKO TAKEUJI	JPN	2002	3:14.44	MIRA GUGLIELMI	ITA	2012	5:54.90	LAVELLE STOINOFF	USA	1998
2:59.01	BONNIE PRONK	CAN	2002	3:17.81	SUSAN HAIGH	GBR	2012	5:55.11	CAROLYN BOAK	USA	2011
3:00.06	MARGIT OHLSSON	SWE	2005	3:20.95	KIRA MAKAROVA	RUS	2010	6:00.15	SUZANNE DILLS	USA	2012
3:01.74	MARIA BALLA	HUN	2005	3:22.22	HANNELORE ROSE	GER	2003	6:00.59	CHRISTEL SCHULZ	GER	2006
3:04.19	DEB WALKER	USA	2011	3:22.68	CATHY MANCINO	USA	2011	6:03.43	HANNELORE ROSE	GER	2008
3:04.66	JULIE GUNTHORP	NZL	2008	200 M. I.M.				6:03.93	CARROL WANNELL	AUS	2008
3:06.23	BETSY JORDAN	USA	1997	2:50.00	LAURA VAL	USA	2012	6:05.22	CLARA WALKER	USA	1991
50 M. BRST				2:52.67	CHARLOTTE DAVIS	USA	2010	800 M. FREE			
38.48	MONIKA SENFTLEBEN	GER	2002	2:58.08	BRIGITTE MERTEN	GER	2006	11:53.17	JEN THOMASSON	AUS	2008
39.16	BONNIE PRONK	CAN	2002	3:00.52	BONNIE PRONK	CAN	2002	11:55.93	JACKIE MARR	USA	2008
39.25	JAN WICKS	AUS	2006	3:00.74	CAROLYN BOAK	USA	2006	12:06.31	YOSHIKO OSAKI	JPN	2003
40.80	DEB COELLNER	USA	2012	3:00.98	KIRA MAKAROVA	RUS	2009	12:09.23	CARROL WANNELL	AUS	2008
40.87	DEB WALKER	USA	2011	3:02.24	HARRIET BERGER	GER	2004	12:22.54	JAN CROFT	AUS	2008
40.93	HARRIET BERGER	GER	2004	3:03.05	KRISSY MACCUDY	USA	2012	12:23.32	LAVELLE STOINOFF	USA	1998
41.05	CORNELIA NEUBERT	GER	2012	3:03.33	MARGIT OHLSSON	SWE	2006	12:23.88	HANNELORE ROSE	GER	2008
41.12	HANNELORE ROSE	GER	2002	3:03.86	MIRA GUGLIELMI	ITA	2012	12:27.60	CLARA WALKER	USA	1992
41.16	NOBUKO YASUDA	JPN	2009	400 M. I.M.				12:28.62	ROSA MONTAGUE	AUS	2012
41.22	JANETTE JEFFREY	AUS	2012	5:56.27	LAURA VAL	USA	2011	12:29.28	LINDA SHOENBERGER	USA	2012
100 M. BRST				6:08.99	CHARLOTTE DAVIS	USA	2010	1500 M. FREE			
1:27.64	BONNIE PRONK	CAN	2002	6:22.61	BRIGITTE MERTEN	GER	2006	22:40.65	JEN THOMASSON	AUS	2008
1:29.86	HARRIET BERGER	GER	2004	6:33.09	HANNELORE ROSE	GER	2002	23:07.49	JACKIE MARR	USA	2008
1:29.97	HANNELORE ROSE	GER	2002	6:33.14	MIRA GUGLIELMI	ITA	2012	23:42.01	LAVELLE STOINOFF	USA	1998
1:30.66	DEB WALKER	USA	2011	6:33.92	BARBARA DUNBAR	USA	2009	23:51.75	JAN CROFT	AUS	2009
1:30.97	NOBUKO YASUDA	JPN	2009	6:34.22	JEN THOMASSON	AUS	2004	23:52.54	RITSUKO SUGIMURA	JPN	2010
1:31.05	MONIKA SENFTLEBEN	GER	2002	6:34.94	YOSHIKO OSAKI	JPN	2001	24:03.63	LINDA SHOENBERGER	USA	2012
1:31.11	KRISSY MACCUDY	USA	2012	6:36.99	JACKIE MARR	USA	2003	24:07.05	CLARA WALKER	USA	1992
1:31.24	DEB COELLNER	USA	2012	6:38.03	SUSAN HAIGH	GBR	2012	24:24.82	NORIKO YOSHIDA	JPN	2009
1:31.25	JANETTE JEFFREY	AUS	2012	*****				24:29.77	ROSA MONTAGUE	AUS	2012
1:31.41	DALE BARNHARD	USA	2008	*****				24:31.20	PENNY WEBSTER	GBR	2007
200 M. BRST				*****				50 M. BACK			
3:14.49	BONNIE PRONK	CAN	2002	*****				37.11	MARGIT OHLSSON	SWE	2011
3:15.64	JANETTE JEFFREY	AUS	2012	*****				37.38	CLARY MUNNS	AUS	2009
3:16.08	HANNELORE ROSE	GER	2003	50 M. FREE				37.44	DIANN UUSTAL	USA	2011
3:17.24	DEB WALKER	USA	2011	31.84	CAROLYN BOAK	USA	2010	37.54	SATOKO TAKEUJI	JPN	2009
3:18.05	HARRIET BERGER	GER	2004	32.49	DIANN UUSTAL	USA	2011	38.17	SILVANA ABREU	BRA	2006
3:19.08	JENNIFER MERRITT	GBR	2012	32.52	CHRISTEL SCHULZ	GER	2005	38.85	PAM HUTCHINGS	AUS	2002
3:20.45	KRISSY MACCUDY	USA	2012	32.58	CLARY MUNNS	AUS	2009	39.48	MARIA BALLA	HUN	2009
3:22.24	DIANE FORD	GBR	2006	32.78	B.AXLING	SWE	2011	39.85	CLARA WALKER	USA	1992
3:23.14	ELAINE BROMWICH	GBR	2004	32.87	RUTH SHAPS	USA	2012	40.15	JULIE GUNTHORP	NZL	2012
3:23.62	JOANN LEILICH	USA	1999	33.03	KAYE BEER	AUS	2009	40.37	PENNY STEELE	AUS	2011
50 M. FLY				33.10	JEN THOMASSON	AUS	2008	100 M. BACK			
32.27	LAURA VAL	USA	2012	33.38	OLGA KREJCI	SUI	2002	1:21.81	MARGIT OHLSSON	SWE	2010
32.57	CHARLOTTE DAVIS	USA	2012	33.41	GIURGIZA GABRILO	CRO	2012	1:22.30	DIANN UUSTAL	USA	2011
33.47	JUDY WILSON	GBR	2004	100 M. FREE				1:23.61	CLARY MUNNS	AUS	2009
33.63	BETTY CALLAHAN	AUS	1985	1:12.00	CHRISTEL SCHULZ	GER	2005	1:24.67	SATOKO TAKEUJI	JPN	2007
33.88	RUTH SHAPS	USA	2008	1:12.10	CAROLYN BOAK	USA	2010	1:25.86	MARIA BALLA	HUN	2009
34.17	CONNY BOER-BUYS	NED	2012	1:13.05	YOSHIKO OSAKI	JPN	2004	1:26.39	E.KETELSEN	DEN	2010
34.83	DIANN UUSTAL	USA	2010	1:14.01	RUTH SHAPS	USA	2012	1:26.61	BONNIE PRONK	CAN	2008
34.92	RACHEL BARTON	GBR	2008	1:14.28	JEN THOMASSON	AUS	2008	1:27.08	JULIE GUNTHORP	NZL	2012
35.01	SANDERINA KRUGER	RSA	2010	1:14.67	BRIGITTE MERTEN	GER	2011	1:27.49	RUTH SHAPS	USA	2012
35.06	CHRISTEL SCHULZ	GER	2004	1:14.93	PAM HUTCHINGS	AUS	2002	1:27.51	PAM HUTCHINGS	AUS	2002
100 M. FLY				1:14.98	JEAN HOWARD-JONES	GBR	2009	200 M. BACK			
1:12.06	LAURA VAL	USA	2011	1:15.04	SIGRID KOCH	GER	2010	3:00.24	MARGIT OHLSSON	SWE	2011
1:17.34	JUDY WILSON	GBR	2004	1:15.22	KIRA MAKAROVA	RUS	2012	3:05.15	DIANN UUSTAL	USA	2011
1:18.83	CHARLOTTE DAVIS	USA	2012	200 M. FREE				3:06.41	BONNIE PRONK	CAN	2008
1:20.34	BARBARA DUNBAR	USA	2009	2:39.05	CAROLYN BOAK	USA	2010	3:08.20	SATOKO TAKEUJI	JPN	2007
1:21.27	BRIGITTE MERTEN	GER	2009	2:42.26	CHRISTEL SCHULZ	GER	2008	3:10.55	MARIA BALLA	HUN	2009
1:21.31	HARRIET BERGER	GER	2004	2:42.91	YOSHIKO OSAKI	JPN	2004	3:10.66	CLARY MUNNS	AUS	2009
1:22.78	MARILYN EARP	AUS	2010	2:43.36	JEN THOMASSON	AUS	2008	3:11.04	JULIE GUNTHORP	NZL	2012
1:23.29	MIRA GUGLIELMI	ITA	2012	2:45.42	JACKIE MARR	USA	2008	3:11.77	NORIKO YOSHIDA	JPN	2009
1:24.97	CAROLYN BOAK	USA	2007	2:48.51	CLARA WALKER	USA	1992	3:12.42	JACKIE MARR	USA	2009
				2:49.58	DIANN UUSTAL	USA	2011				



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3:13.06	E.KETELSEN	DEN	2009	200 M. I.M.		6:33.19	JUNE KRAUSER	USA	1996		
3:13.06	PAM HUTCHINGS	AUS	2002	3:05.32	BRIGITTE MERTEN	GER	2011	6:33.93	ASAKO MIYAKE	JPN	2012
50 M. BRST				3:06.10	CAROLYN BOAK	USA	2010	800 M. FREE			
40.51	GIURGIZA GABRILO	CRO	2012	3:08.78	MARGIT OHLSSON	SWE	2011	12:13.07	YOSHIKO OSAKI	JPN	2009
41.52	MONIKA SENFTLEBEN	GER	2009	3:08.85	CHRISTEL SCHULZ	GER	2006	12:32.21	JANE ASHER	GBR	2002
41.69	BONNIE PRONK	CAN	2007	3:11.94	YOSHIKO OSAKI	JPN	2003	12:35.14	LAVELLE STOINOFF	USA	2004
42.78	SHOKO YONEZAWA	JPN	2002	3:13.04	CLARY MUNNS	AUS	2011	12:59.41	HELGA REICH	GER	2006
42.97	DIANN UUSTAL	USA	2011	3:13.22	JEN THOMASSON	AUS	2009	13:15.45	JUNE KRAUSER	USA	1996
43.04	HANNELORE ROSE	GER	2007	3:13.33	JACKIE MARR	USA	2008	13:16.51	REIKO ISHIZAKI	JPN	2008
43.21	SHIZUKA HATTORI	JPN	2011	3:13.86	HANNELORE ROSE	GER	2007	13:21.86	ASAKO MIYAKE	JPN	2012
43.34	NOBUKO YASUDA	JPN	2010	3:14.18	KIRA MAKAROVA	RUS	2012	13:24.65	MARIA PENNA	BRA	2011
43.42	EDITH BOHM	GER	1994	400 M. I.M.				13:30.28	BARBARA FENTIMAN	GBR	2004
43.46	DIANE FORD	GBR	2009	6:37.45	CAROLYN BOAK	USA	2010	13:41.60	HISAKO SATO	JPN	2005
100 M. BRST				6:46.46	YOSHIKO OSAKI	JPN	2005	1500 M. FREE			
1:30.16	GIURGIZA GABRILO	CRO	2012	6:50.17	BRIGITTE MERTEN	GER	2012	24:06.48	JANE ASHER	GBR	2001
1:33.23	NOBUKO YASUDA	JPN	2010	6:54.46	JACKIE MARR	USA	2008	24:24.13	LAVELLE STOINOFF	USA	2003
1:33.69	DIANE FORD	GBR	2008	6:56.94	HANNELORE ROSE	GER	2007	24:49.53	YOSHIKO OSAKI	JPN	2011
1:34.53	BONNIE PRONK	CAN	2008	6:57.73	KIRA MAKAROVA	RUS	2012	25:04.94	BARBARA FENTIMAN	AUS	2004
1:35.34	HANNELORE ROSE	GER	2007	6:59.04	CLARY MUNNS	AUS	2012	25:21.24	REIKO ISHIZAKI	JPN	2009
1:35.75	STELLA HOLDSSTEIN	ISR	2012	7:06.75	FLORA CONNOLLY	GBR	1998	25:25.26	JUNE KRAUSER	USA	1997
1:36.29	JOANN LEILICH	USA	2007	7:09.21	SILVANA ABREU	BRA	2006	25:40.43	CLARA WALKER	USA	1996
1:36.41	LUISE KNOPFLE	GER	2004	7:09.69	CLARA WALKER	USA	1992	25:49.86	MARIA PENNA	BRA	2009
1:37.06	MASAYO AZUMA	JPN	2002					26:11.02	PENNY WEBSTER	GBR	2012
1:37.78	FUMIKO NAGUMO	JPN	2012	*****				26:17.37	HISAKO SATO	JPN	2005
200 M. BRST				WOMEN 70-74				50 M. BACK			
3:24.25	GIURGIZA GABRILO	CRO	2012	*****				39.67	SATOKO TAKEUJI	JPN	2012
3:24.79	NOBUKO YASUDA	JPN	2010	50 M. FREE				40.84	PAM HUTCHINGS	AUS	2008
3:26.88	HANNELORE ROSE	GER	2007	33.57	CHRISTEL SCHULZ	GER	2010	41.37	HIROMI SATO	JPN	2012
3:26.98	JOANN LEILICH	USA	2005	33.61	YOSHIKO OSAKI	JPN	2009	41.38	YOSHIKO OSAKI	JPN	2009
3:27.24	DIANE FORD	GBR	2008	34.64	JANE ASHER	GBR	2004	41.77	SHOKO YONEZAWA	JPN	2009
3:27.71	LUISE KNOPFLE	GER	2004	35.22	BETH SCHREINER	USA	2011	41.98	MARGARET WILDING	GBR	2009
3:28.43	MASAYO AZUMA	JPN	2001	35.28	GAIL ROPER	USA	1999	42.08	JOY WARD	USA	2012
3:28.49	BONNIE PRONK	CAN	2008	35.32	PAM HUTCHINGS	AUS	2008	42.29	DORIS STEADMAN	USA	1996
3:30.95	FLORA CONNOLLY	GBR	1998	35.52	OLGA KREJCI	SUI	2007	42.30	CHRISTEL SCHULZ	GER	2010
3:32.07	JEN THOMASSON	AUS	2008	35.72	TOSHIE NODA	JPN	2012	42.42	BETSY JORDAN	USA	2007
50 M. FLY				35.74	SHOKO YONEZAWA	JPN	2009	100 M. BACK			
35.42	DIANN UUSTAL	USA	2011	36.10	HISAKO SATO	JPN	2005	1:26.15	SATOKO TAKEUJI	JPN	2012
35.77	CHRISTEL SCHULZ	GER	2006	100 M. FREE				1:32.02	CHRISTEL SCHULZ	GER	2010
36.03	RUTH SHAPS	USA	2012	1:14.28	YOSHIKO OSAKI	JPN	2009	1:32.51	YOSHIKO OSAKI	JPN	2009
36.50	MICHIE DOI	JPN	2008	1:15.01	CHRISTEL SCHULZ	GER	2010	1:32.68	JOY WARD	USA	2012
36.86	JUDY WILSON	FRA	2009	1:17.94	JANE ASHER	GBR	2004	1:33.17	HIROMI SATO	JPN	2012
37.22	KIRA MAKAROVA	RUS	2012	1:19.94	GAIL ROPER	USA	1999	1:33.49	SHOKO YONEZAWA	JPN	2005
37.25	GISELA PEKAREK	AUT	2009	1:20.31	PAM HUTCHINGS	AUS	2008	1:33.61	V.JOHANSSON	SWE	2005
37.28	BRIGITTE MERTEN	GER	2011	1:20.99	HELGA REICH	GER	2008	1:33.61	JANE ASHER	GBR	2002
37.36	CLARY MUNNS	AUS	2009	1:21.57	CLARA WALKER	USA	1996	1:34.72	PAM HUTCHINGS	AUS	2008
37.54	YOSHIKO OSAKI	JPN	2003	1:22.43	SHOKO YONEZAWA	JPN	2005	1:34.84	BETSY JORDAN	USA	2007
100 M. FLY				1:22.62	LOTTIE GEURTS	NED	2006	200 M. BACK			
1:26.17	CAROLYN BOAK	USA	2010	1:22.95	BARBARA FRID	USA	2012	3:11.54	SATOKO TAKEUJI	JPN	2012
1:26.44	BRIGITTE MERTEN	GER	2011	200 M. FREE				3:18.02	JOY WARD	USA	2012
1:27.73	YOSHIKO OSAKI	JPN	2003	2:48.03	CHRISTEL SCHULZ	GER	2010	3:21.23	CHRISTEL SCHULZ	GER	2010
1:28.62	KIRA MAKAROVA	RUS	2012	2:49.80	YOSHIKO OSAKI	JPN	2008	3:22.49	V.JOHANSSON	SWE	2005
1:29.47	CLARY MUNNS	AUS	2009	2:50.27	JANE ASHER	GBR	2002	3:27.58	JANE ASHER	GBR	2002
1:30.78	JUDY WILSON	FRA	2009	2:57.28	LAVELLE STOINOFF	USA	2003	3:28.60	GERDA WILLIAMS	AUS	2012
1:33.38	SILVANA ABREU	BRA	2006	3:00.28	HELGA REICH	GER	2006	3:28.69	DORIS STEADMAN	USA	1995
1:34.41	SARAH WELCH	USA	2012	3:01.28	GAIL ROPER	USA	1999	3:29.12	GRETHE BENDTSEN	DEN	2000
1:34.55	HANNELORE ROSE	GER	2007	3:03.22	PAM HUTCHINGS	AUS	2008	3:29.27	BETSY JORDAN	USA	2007
1:34.62	HAIKE HOLER	GER	2002	3:03.86	BARBARA FENTIMAN	AUS	2004	3:29.39	PAM HUTCHINGS	AUS	2008
200 M. FLY				3:04.56	CLARA WALKER	USA	1996	50 M. BRST			
3:21.42	CAROLYN BOAK	USA	2010	3:06.67	REIKO ISHIZAKI	JPN	2008	42.80	MONIKA SENFTLEBEN	GER	2012
3:29.68	DANIELA BARNEA	USA	2009	400 M. FREE				43.45	SHOKO YONEZAWA	JPN	2005
3:29.68	HANNELORE ROSE	GER	2007	5:54.97	YOSHIKO OSAKI	JPN	2008	43.98	EDITH BOEHM	GER	1999
3:29.88	KIRA MAKAROVA	RUS	2012	6:05.25	JANE ASHER	GBR	2004	45.53	ELIANE PELLIS	BEL	2004
3:31.05	YOSHIKO OSAKI	JPN	2005	6:11.92	LAVELLE STOINOFF	USA	2003	45.67	JOANN LEILICH	USA	2009
3:32.63	SILVANA ABREU	BRA	2006	6:22.10	HELGA REICH	GER	2006	46.14	RUTH MULLER	GER	2006
3:33.04	FLORA CONNOLLY	GBR	1998	6:26.35	REIKO ISHIZAKI	JPN	2008	46.37	KAZUKO KAJIWARA	JPN	2009
3:33.38	HELGA REICH	GER	2002	6:32.83	MARIA PENNA	BRA	2012	46.51	A.OBERGHEEN	BEL	2004
3:36.25	JUNE KRAUSER	USA	1994	6:32.99	JILL COMPLIN	GBR	2012	46.78	A.LEENE-RODAL	NZL	2003
3:37.92	CLARY MUNNS	AUS	2012	6:33.15	CLARA WALKER	USA	1996	46.80	DIANE STOWELL	USA	2005



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100 M. BRST		7:25.26 JANE ASHER	GBR 2001	1500 M. FREE	
1:37.72 SHOKO YONEZAWA	JPN 2007	7:30.91 JUNE KRAUSER	USA 1996	24:41.76 JANE ASHER	GBR 2006
1:38.78 JOANN LEILICH	USA 2009	7:35.30 HELGA REICH	GER 2006	27:09.75 JEAN TROY	USA 2003
1:39.15 MASAYO AZUMA	JPN 2005	7:38.56 JUDITH OLIVER	CAN 2002	27:22.52 DENISE ROBERTSON	AUS 2011
1:41.04 ELIANE PELLIS	BEL 2004	7:43.94 JOY WARD	USA 2012	27:40.67 JUNE KRAUSER	USA 2001
1:41.31 LUISE KNOPFLE	GER 2012	7:49.44 GILLIAN TREGENNA	RSA 2012	27:41.38 JANE OBERG	USA 2012
1:41.86 MONIKA SENFTLEBEN	GER 2012	7:49.98 GAIL ROPER	USA 1999	27:43.98 MICHIKO OKUMURA	JPN 2006
1:42.57 YOSHIKO OSAKI	JPN 2008	7:52.18 NANCY BROWN	USA 2006	27:54.35 LIZ WALLIS	AUS 2002
1:43.86 EDITH BOEHM	GER 1999	7:53.70 NANCY MACBETH	USA 1999	28:24.77 GAIL ROPER	USA 2005
1:44.15 MARGIT JEBE	USA 2009			28:38.34 MARGERY MEYER	USA 1998
1:44.40 DIANE STOWELL	USA 2005	*****		28:55.23 ANN HIRSCH	USA 2006
200 M. BRST		WOMEN 75-79		50 M. BACK	
3:34.32 SHOKO YONEZAWA	JPN 2005	*****		42.06 SHOKO YONEZAWA	JPN 2010
3:34.49 JOANN LEILICH	USA 2011	50 M. FREE		43.16 PAM HUTCHINGS	AUS 2011
3:36.45 LUISE KNOPFLE	GER 2009	34.85 JANE ASHER	GBR 2006	43.93 JANE ASHER	GBR 2006
3:38.05 MASAYO AZUMA	JPN 2006	36.87 GAIL ROPER	USA 2005	44.43 DORIS STEADMAN	USA 1999
3:42.79 TAYO FUJIEDA	JPN 2009	37.48 JEAN TROY	USA 2002	45.77 GRETHE BENDTSEN	DEN 2007
3:44.26 YOSHIKO OSAKI	JPN 2010	38.14 JOHNNIE DETRICK	USA 2010	45.98 EVA JAROSOVA	CZE 2012
3:45.28 ELIANE PELLIS	BEL 2004	38.19 PAM HUTCHINGS	AUS 2011	46.00 U.MEYER-TONNDORF	GER 2011
3:46.18 DIANE STOWELL	USA 2004	38.20 SHOKO YONEZAWA	JPN 2011	46.17 KERSTIN GJORES	SWE 2002
3:48.96 INGRID LUNING	GER 2010	38.28 ODETTE LUSIEN	FRA 2002	46.26 KATHARINA FLORA	ROU 2012
3:49.58 SYLVIA NEUHAUSER	AUT 2002	38.47 KERSTIN GJORES	SWE 2002	46.30 JOAN PARNELL	CAN 2004
50 M. FLY		38.57 FLORENCE CARR	USA 2001	100 M. BACK	
37.93 CHRISTEL SCHULZ	GER 2010	38.88 FUSAKO YAMAWAKI	JPN 2011	1:38.62 JANE ASHER	GBR 2006
38.65 HARUMI SUGIMOTO	JPN 2008	100 M. FREE		1:38.78 DORIS STEADMAN	USA 2000
39.30 YOSHIKO OSAKI	JPN 2008	1:20.15 JANE ASHER	GBR 2006	1:39.02 SHOKO YONEZAWA	JPN 2010
39.77 JANE ASHER	GBR 2002	1:26.36 GAIL ROPER	USA 2005	1:41.22 PAM HUTCHINGS	AUS 2011
40.78 HISAKO SATO	JPN 2005	1:28.07 JEAN TROY	USA 2002	1:41.44 GRETHE BENDTSEN	DEN 2006
40.81 BARBARA FRID	USA 2012	1:28.14 YURIKO NAGAMATSU	JPN 2010	1:42.69 BETTY LORENZI	USA 2002
40.88 HAIKE HOELER	GER 2006	1:29.19 M. CUNNINGHAM	AUS 2001	1:42.73 EVA JAROSOVA	CZE 2011
41.26 GAIL ROPER	USA 2000	1:29.30 SHOKO YONEZAWA	JPN 2011	1:42.81 JOAN PARNELL	CAN 2003
41.31 HISAKO KITAYAMA	JPN 2007	1:29.45 LOTTIE GEURTS	NED 2010	1:43.81 NANCY BROWN	USA 2011
41.75 JOY WARD	USA 2012	1:29.80 DENISE ROBERTSON	AUS 2011	1:45.34 ALICE KINNAIRD	AUS 2012
100 M. FLY		1:30.16 MITSUKO KOMURO	JPN 2005	200 M. BACK	
1:34.51 YOSHIKO OSAKI	JPN 2008	1:30.35 NAN BOHL	USA 2004	3:34.35 JANE ASHER	GBR 2006
1:40.85 JUNE KRAUSER	USA 1996	200 M. FREE		3:37.48 DORIS STEADMAN	USA 2000
1:40.90 HELGA REICH	GER 2007	2:56.57 JANE ASHER	GBR 2008	3:40.21 GRETHE BENDTSEN	DEN 2006
1:42.23 HAIKE HOELER	GER 2006	3:13.24 GAIL ROPER	USA 2005	3:44.55 BETTY LORENZI	USA 2002
1:42.81 JUDITH OLIVER	CAN 2002	3:15.74 LOTTIE GEURTS	NED 2010	3:47.78 EVA JAROSOVA	CZE 2012
1:44.87 MARCELA STASTNA	CZE 2007	3:16.19 DENISE ROBERTSON	AUS 2010	3:48.77 NANCY BROWN	USA 2011
1:45.50 JANE ASHER	GBR 2001	3:17.42 JEAN TROY	USA 2003	3:49.73 JOAN PARNELL	CAN 2003
1:45.61 GAIL ROPER	USA 2001	3:18.74 HELGA REICH	GER 2011	3:49.80 KERSTIN GJORES	SWE 2002
1:46.04 HISAKO SATO	JPN 2006	3:19.07 MARGERY MEYER	USA 1997	3:51.35 MISAO MATSUMOTO	JPN 2011
1:47.67 SALLY BOLAR	USA 2009	3:19.77 JUNE KRAUSER	USA 2001	3:51.75 NANCY KINNEY	USA 2004
200 M. FLY		3:20.46 BETTY RUSS	USA 2002	50 M. BRST	
3:39.91 JUNE KRAUSER	USA 1996	3:22.25 MICHIKO OKUMURA	JPN 2007	43.95 SHOKO YONEZAWA	JPN 2010
3:44.93 HELGA REICH	GER 2007	400 M. FREE		46.69 ELIANE PELLIS	BEL 2009
3:52.01 SILVIA NEUHAUSER	AUT 2001	6:13.20 JANE ASHER	GBR 2006	47.59 EDITH BOHM	GER 2003
3:54.39 JANE ASHER	GBR 2001	6:46.48 HELGA REICH	GER 2012	47.76 KUMIE TOKUDA	JPN 2012
3:58.81 GAIL ROPER	USA 2002	6:50.97 DENISE ROBERTSON	AUS 2010	47.77 GISELA GRUNER	GER 2012
4:01.36 IVANA FELGROVA	CZE 2012	6:55.62 JEAN TROY	USA 2002	47.89 A.VAN OBBERGHEN	BEL 2009
4:01.61 JUDIE OLIVER	CAN 2004	6:57.29 JUNE KRAUSER	USA 2001	48.69 SYLVIA EISELE	USA 2005
4:02.86 ENEDINA PEREIRA	BRA 2008	6:59.81 URSULA FROHLICH	GER 2010	48.91 MASAYO AZUMA	JPN 2011
4:04.75 MURIEL HITCHCOCK	GBR 2008	7:04.33 LOTTIE GEURTS	NED 2010	49.55 I.KEUSCH-RENNER	GER 2009
4:07.97 HERILENE FREITAS	BRA 2012	7:07.55 MICHIKO OKUMURA	JPN 2006	50.20 ANTOINETTE RODAHL	NZL 2008
200 M. I.M.		7:09.78 LIZ WALLIS	AUS 2002	100 M. BRST	
2:59.25 JANE ASHER	GBR 2002	7:10.68 TAYO FUJIEDA	JPN 2012	1:38.81 SHOKO YONEZAWA	JPN 2010
3:13.19 YOSHIKO OSAKI	JPN 2008	800 M. FREE		1:44.28 MASAYO AZUMA	JPN 2010
3:14.07 CHRISTEL SCHULZ	GER 2010	12:58.94 JANE ASHER	GBR 2006	1:45.78 ELIANE PELLIS	BEL 2009
3:30.51 JUDITH OLIVER	CAN 2002	13:58.35 HELGA REICH	GER 2012	1:45.98 A.VAN OBBERGHEN	BEL 2008
3:32.07 SHOKO YONEZAWA	JPN 2006	14:05.80 DENISE ROBERTSON	AUS 2011	1:47.73 KUMIE TOKUDA	JPN 2012
3:32.94 GAIL ROPER	USA 1999	14:10.50 JUNE KRAUSER	USA 2001	1:48.65 SYLVIA NEUHAUSER	AUT 2004
3:35.13 JUNE KRAUSER	USA 1996	14:16.39 JEAN TROY	USA 2003	1:50.28 ANN HIRSCH	USA 2006
3:36.77 HELGA REICH	GER 2006	14:17.45 LIZ WALLIS	AUS 2002	1:50.41 TAYO FUJIEDA	JPN 2012
3:37.40 MARCELA STASTNA	CZE 2007	14:22.19 URSULA FROHLICH	GER 2010	1:52.54 SATOKO SUZUKI	JPN 1999
3:37.88 GERDA WILLIAMS	AUS 2012	14:22.39 GAIL ROPER	USA 2005	1:52.59 MARCELA STASTNA	CZE 2012
400 M. I.M.		14:32.25 MARGERY MEYER	USA 1997	200 M. BRST	
6:54.93 YOSHIKO OSAKI	JPN 2008	14:35.61 MICHIKO OKUMURA	JPN 2006	3:41.53 SHOKO YONEZAWA	JPN 2010



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2012)

3:44.29	MASAYO AZUMA	JPN 2011	50 M. FREE		46.51	JANE ASHER	GBR 2012	
3:53.56	A.VAN OBBERGHEN	BEL 2008	37.45	JANE ASHER	GBR 2011	49.40	MARGERY MEYER	USA 2002
3:54.88	ELIANE PELLIS	BEL 2008	38.64	GAIL ROPER	USA 2009	49.53	BETTY LORENZI	USA 2009
3:55.25	SYLVIA NEUHAUSER	AUT 2004	40.45	FLORENCE CARR	USA 2005	50.08	GRETHE BENDTSEN	DEN 2010
3:55.99	KUMIE TOKUDA	JPN 2012	40.75	JEAN TROY	USA 2007	50.68	KIMIKO OOKA	JPN 2009
3:59.30	ANN HIRSCH	USA 2006	41.21	OLGA JOHNSON	NZL 2001	50.98	KERSTIN GJORES	SWE 2007
4:02.89	TAYO FUJIEDA	JPN 2012	41.31	HATSUHO SUGAYA	JPN 1994	51.41	BETTY STERN	AUS 2000
4:07.90	JANE ASHER	GBR 2006	41.54	NAN BOHL	USA 2009	51.81	JOAN PARNELL	CAN 2009
4:08.40	OLGA KOKORINA	RUS 1999	42.11	M. CUNNINGHAM	AUS 2005	52.91	NANCY KINNEY	USA 2009
50 M. FLY			42.14	BRITT GRILLI	SWE 2009	100 M. BACK		
41.99	JANE ASHER	GBR 2006	42.29	MARGERY MEYER	USA 2002	1:46.11	JANE ASHER	GBR 2011
44.54	HISAKO KITAYAMA	JPN 2012	100 M. FREE		1:47.29	BETTY LORENZI	USA 2009	
44.95	GAIL ROPER	USA 2004	1:24.18	JANE ASHER	GBR 2011	1:48.64	BUNNY CEDERLUND	USA 2002
45.44	ODETTE LUSIEN	FRA 2002	1:27.55	GAIL ROPER	USA 2009	1:49.52	GRETHE BENDTSEN	DEN 2010
46.88	MARCELA STASTNA	CZE 2012	1:34.43	MITSUKO KOMURO	JPN 2010	1:54.49	KIMIKO OOKA	JPN 2009
47.74	JEAN TROY	USA 2002	1:34.95	NAN BOHL	USA 2009	1:56.12	NANCY KINNEY	USA 2009
47.86	LOIS NOCHMAN	USA 1999	1:35.64	JEAN TROY	USA 2007	1:56.36	KERSTIN GJORES	SWE 2009
47.88	JEANNE LITTLE	USA 2012	1:36.14	M. CUNNINGHAM	AUS 2007	1:58.43	JOAN PARNELL	CAN 2008
48.77	HISAKO SATO	JPN 2011	1:37.78	MARGERY MEYER	USA 2002	2:00.16	SILVIA CRAVERI	ITA 2003
48.98	HELGA REICH	GER 2012	1:38.17	OLGA KOKORINA	RUS 2005	2:00.39	EDITH THEIN	ISR 1998
100 M. FLY			1:39.30	UME WADA	JPN 1991	200 M. BACK		
1:47.40	JUDIE OLIVER	CAN 2007	1:39.78	OLGA JOHNSON	NZL 2001	3:47.96	JANE ASHER	GBR 2012
1:50.12	SYLVIA NEUHAUSER	AUT 2004	200 M. FREE		3:53.25	BETTY LORENZI	USA 2009	
1:50.44	HELGA REICH	GER 2011	3:07.40	JANE ASHER	GBR 2011	3:59.73	BUNNY CEDERLUND	USA 2002
1:50.99	JANE ASHER	GBR 2006	3:27.26	JEAN TROY	USA 2007	4:09.14	NANCY KINNEY	USA 2009
1:51.04	MARCELA STASTNA	CZE 2012	3:32.12	GAIL ROPER	USA 2009	4:10.95	GRETHE BENDTSEN	DEN 2010
1:54.14	GAIL ROPER	USA 2004	3:37.14	MARGERY MEYER	USA 2003	4:11.24	KIMIKO OOKA	JPN 2009
1:56.07	JUNE KRAUSER	USA 2001	3:37.56	NAN BOHL	USA 2011	4:11.82	G.SCHOBEL-GRASS	GER 2006
1:56.65	ODETTE LUSIEN	FRA 2002	3:40.08	AIKO HORII	JPN 2011	4:11.83	EDITH THEIN	ISR 2000
1:56.92	LOIS NOCHMAN	USA 1999	3:41.00	DOROTHY DICKEY	AUS 2010	4:12.13	KERSTIN GJORES	SWE 2009
1:58.10	CHRISTA SVOBODOVA	CZE 2012	3:41.31	G. MCKENZIE-HICKS	AUS 2008	4:16.70	DORIS STEADMAN	USA 2005
200 M. FLY			3:41.34	BRITT GRILLI	SWE 2009	50 M. BRST		
4:03.55	SYLVIA NEUHAUSER	AUT 2004	3:42.80	M. CUNNINGHAM	AUS 2005	49.49	A.VAN OBBERGHEN	BEL 2012
4:06.08	HELGA REICH	GER 2011	400 M. FREE		53.36	EDITH BOHM	GER 2008	
4:10.69	JUNE KRAUSER	USA 2001	6:39.90	JANE ASHER	GBR 2012	53.40	ANN HIRSCH	USA 2011
4:17.87	GAIL ROPER	USA 2004	7:24.53	JEAN TROY	USA 2007	53.53	OLGA KOKORINA	RUS 2005
4:19.81	LOIS NOCHMAN	USA 1999	7:30.34	MARGERY MEYER	USA 2003	54.30	NAN BOHL	USA 2009
4:21.11	CHRISTA SVOBODOVA	CZE 2012	7:40.93	AIKO HORII	JPN 2010	56.34	BETTY CHRISTIAN	USA 2001
4:21.39	JANE ASHER	GBR 2006	7:42.89	M. CUNNINGHAM	AUS 2005	56.57	SHIZUE TOYAMA	JPN 2004
4:29.94	ANN HIRSCH	USA 2006	7:47.03	DOROTHY DICKEY	AUS 2012	56.91	SYLVIA EISELE	USA 2009
4:38.45	SYLVIA EISELE	CAN 2004	7:49.19	NAN BOHL	USA 2012	56.99	MICHELE GUILLAIS	FRA 2001
4:38.68	BETTY RUSS	USA 2002	7:51.67	G. MCKENZIE-HICKS	AUS 2008	57.80	KIMIE KANAI	JPN 2004
200 M. I.M.			7:53.37	RITA SIMONTON	USA 1999	100 M. BRST		
3:38.46	JANE ASHER	GBR 2006	7:56.31	MARJORIE SHARPE	USA 1997	1:50.94	A.VAN OBBERGHEN	BEL 2011
3:48.16	JUDIE OLIVER	CAN 2007	800 M. FREE		1:57.17	ANN HIRSCH	USA 2011	
3:48.59	JUNE KRAUSER	USA 2001	13:51.21	JANE ASHER	GBR 2011	1:59.30	SYLVIA NEUHAUSER	AUT 2009
3:51.28	HELGA REICH	GER 2011	15:12.94	JEAN TROY	USA 2007	2:01.21	OLGA KOKORINA	RUS 2005
3:53.65	GRETHE BENDTSEN	DEN 2006	15:21.62	MARGERY MEYER	USA 2003	2:05.45	JANE ASHER	GBR 2011
3:54.01	MARCELA STASTNA	CZE 2012	15:32.50	GAIL ROPER	USA 2009	2:06.17	NAN BOHL	USA 2009
3:54.27	TAYO FUJIEDA	JPN 2012	15:44.39	DOROTHY DICKEY	AUS 2012	2:06.20	JUDIE OLIVER	CAN 2012
3:56.39	SYLVIA NEUHAUSER	AUT 2004	15:51.29	NAN BOHL	USA 2012	2:06.25	SYLVIA EISELE	USA 2009
3:57.16	ANN HIRSCH	USA 2008	16:04.82	BRITT GRILLI	SWE 2008	2:09.19	EMMI PAULI	GER 1993
3:58.23	MICHIKO OKUMURA	JPN 2007	16:05.85	RITA SIMONTON	USA 1998	2:10.25	GRETHE BENDTSEN	DEN 2010
400 M. I.M.			16:09.70	MICHIKO OKUMURA	JPN 2011	200 M. BRST		
7:39.98	JANE ASHER	GBR 2006	16:09.92	BETTY LORENZI	USA 2008	4:05.52	A.VAN OBBERGHEN	BEL 2012
7:51.71	JUNE KRAUSER	USA 2001	1500 M. FREE		4:17.64	ANN HIRSCH	USA 2011	
8:08.52	HELGA REICH	GER 2011	26:29.87	JANE ASHER	GBR 2011	4:17.76	SYLVIA NEUHAUSER	AUT 2009
8:10.16	ANN HIRSCH	USA 2006	29:04.81	JEAN TROY	USA 2007	4:26.18	OLGA KOKORINA	RUS 2006
8:17.70	GAIL ROPER	USA 2005	29:35.03	MARGERY MEYER	USA 2002	4:28.63	JANE ASHER	GBR 2011
8:26.53	URSULA FROHLICH	GER 2010	30:27.88	BETTY LORENZI	USA 2008	4:37.64	SYLVIA EISELE	USA 2009
8:28.79	SUE MAYNE	AUS 2011	30:41.01	RITA SIMONTON	USA 1999	4:40.09	EMMI PAULI	GER 1993
8:38.31	JUDIE OLIVER	CAN 2011	30:43.41	MICHIKO OKUMURA	JPN 2011	4:42.28	NAN BOHL	USA 2010
8:48.78	NANCY BROWN	USA 2011	30:46.79	DOROTHY DICKEY	AUS 2010	4:42.75	GERTRUD MEERWALD	GER 2000
8:49.94	SYLVIA EISELE	CAN 2006	31:56.32	YOSHIKO KINOSHITA	JPN 2011	4:44.59	TERUKO ONO	JPN 2008
*****			32:09.15	MARJORIE SHARPE	USA 1997	50 M. FLY		
*****			33:00.94	JEAN DURSTON	USA 1995	46.21	JANE ASHER	GBR 2011
*****			50 M. BACK		47.37	GAIL ROPER	USA 2009	
*****			46.39	BUNNY CEDERLUND	USA 2002	49.13	JUDIE OLIVER	CAN 2012

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57.43	LOIS KIVI NOCHMAN	USA	2004	1:46.13	OLGA KOKORINA	RUS	2009	2:10.44	EDITH THEIN	ISR	2004
57.90	YONE MURATA	JPN	2002	1:47.59	OLGA JOHNSON	NZL	2006	2:10.46	SILVIA CRAVERI	ITA	2009
58.33	CHIE TANI	JPN	2007	1:48.02	MARGERIE MEYER	USA	2007	2:12.48	WILLY VAN RYSEL	GBR	2001
58.38	ANN HIRSCH	USA	2011	1:48.59	BETTY LORENZI	USA	2012	2:13.13	AILEEN SOULE	USA	1991
58.61	M. CUNNINGHAM	AUS	2005	1:48.75	RITA SIMONTON	USA	2003	2:14.29	AGNES KISS	HUN	2012
59.07	JEAN TROY	USA	2009	1:49.58	MIEKO KAMOSHITA	JPN	2012	2:15.09	MARIA LENK-ZIGLER	USA	2000
59.25	YOSHIKO IKEUCHI	JPN	2011	1:51.12	G. MCKENZIE-HICKS	AUS	2012	2:15.30	MARJORIE SHARPE	USA	2002
100 M. FLY				1:51.16	BETTY RUSS	USA	2012	200 M. BACK			
1:54.93	JUDIE OLIVER	CAN	2012	1:51.36	LIZ WALLIS	AUS	2012	4:11.77	BETTY LORENZI	USA	2012
2:01.54	SYLVIA NEUHAUSER	AUT	2009	200 M. FREE				4:29.16	EDITH THEIN	ISR	2003
2:02.26	JANE ASHER	GBR	2011	3:49.67	JEAN TROY	USA	2012	4:35.71	BUNNY CEDERLUND	USA	2006
2:06.55	LOIS KIVI NOCHMAN	USA	2004	3:56.11	MARGERIE MEYER	USA	2007	4:38.46	G.SCHOBEL-GRASS	GER	2011
2:14.91	Y.KAPLAN-BADER	FRA	2008	3:59.07	LIZ WALLIS	AUS	2012	4:44.76	MARJORIE SHARPE	USA	2002
2:21.88	GERTRUD MEERWALD	GER	2000	3:59.68	RITA SIMONTON	USA	2003	4:45.60	KERSTIN GJORES	SWE	2012
2:22.44	BETTY RUSS	USA	2007	4:01.97	G. MCKENZIE-HICKS	AUS	2012	4:46.20	PERSIS RAE	AUS	2007
2:25.58	CHIE TANI	JPN	2007	4:03.29	OLGA JOHNSON	NZL	2006	4:47.82	AILEEN SOULE	USA	1991
2:27.91	JEAN DURSTON	USA	1994	4:10.20	MARJORIE SHARPE	USA	2002	4:47.98	G.SCHOBEL-GRASS	GER	2012
2:30.44	JEAN TROY	USA	2009	4:11.69	OLGA KOKORINA	RUS	2009	4:52.87	WILLY VAN RYSEL	GBR	2001
200 M. FLY				4:19.11	HISAKO KOGA	JPN	2002	50 M. BRST			
4:15.19	JUDIE OLIVER	CAN	2012	4:19.48	BETTY RUSS	USA	2012	57.24	OLGA KOKORINA	RUS	2009
4:22.66	SYLVIA NEUHAUSER	AUT	2009	400 M. FREE				1:01.08	M.KAPCAROVA	SVK	2012
4:34.86	LOIS KIVI NOCHMAN	USA	2004	8:06.04	JEAN TROY	USA	2012	1:02.92	KIMIE KANAI	JPN	2009
5:11.67	Y.KAPLAN-BADER	FRA	2008	8:14.05	MARGERIE MEYER	USA	2007	1:03.16	MICHELE GUILLAIS	FRA	2006
5:12.38	BETTY RUSS	USA	2008	8:17.82	RITA SIMONTON	USA	2003	1:03.39	YOKO KOBAYASHI	JPN	2011
5:24.52	JEAN DURSTON	USA	1994	8:38.03	BETTY LORENZI	USA	2012	1:06.48	BETTY CHRISTIAN	USA	2006
5:29.93	MAXINE MERLINO	USA	1992	8:43.79	OLGA JOHNSON	NZL	2006	1:06.72	LIS KNUTZEN	DEN	2005
5:34.09	JAE HOWELL	USA	2003	8:43.86	G. MCKENZIE-HICKS	AUS	2012	1:07.01	NORA RONAI	BRA	2009
5:51.81	EDIE GRUENDER	USA	2008	8:44.48	LIZ WALLIS	AUS	2012	1:07.23	MARJORIE STONE	USA	2008
5:55.68	THELMA BRYAN	AUS	2010	8:59.95	BETTY RUSS	USA	2012	1:07.65	JEAN TROY	USA	2012
200 M. I.M.				9:03.99	VIRGINIA KETELEER	BEL	2011	100 M. BRST			
3:54.07	JANE ASHER	GBR	2011	9:08.05	MAURINE KORNFELD	USA	2007	2:09.75	OLGA KOKORINA	RUS	2009
3:59.70	JUDIE OLIVER	CAN	2012	800 M. FREE				2:22.94	M.KAPCAROVA	SVK	2012
4:18.27	ANN HIRSCH	USA	2011	17:09.73	MARGERIE MEYER	USA	2007	2:28.48	KIMIE KANAI	JPN	2009
4:18.33	SYLVIA NEUHAUSER	AUT	2009	17:14.24	RITA SIMONTON	USA	2003	2:31.14	MICHELE GUILLAIS	FRA	2006
4:18.72	JEAN TROY	USA	2007	17:22.47	BETTY LORENZI	USA	2012	2:32.62	JEAN TROY	USA	2012
4:23.03	MITSUKO KOMURO	JPN	2010	17:49.83	OLGA JOHNSON	NZL	2006	2:34.86	MARTI GOGNIAT	USA	1996
4:24.08	NANCY KINNEY	USA	2009	18:01.24	G. MCKENZIE-HICKS	AUS	2012	2:34.97	DOROTHY WESTON	GBR	1998
4:25.05	M. CUNNINGHAM	AUS	2005	18:04.57	MARION BEULKE	AUS	2012	2:36.19	BETTY CHRISTIAN	USA	2006
4:25.99	GRETHE BENDTSEN	DEN	2010	18:24.60	MAURINE KORNFELD	USA	2008	2:36.47	LIS KNUTZEN	DEN	2006
4:33.29	LOIS KIVI NOCHMAN	USA	2006	18:49.76	BETTY RUSS	USA	2012	2:36.81	EVA KOPLIKOVA	CZE	2012
400 M. I.M.				19:12.10	JEAN DURSTON	USA	1999	200 M. BRST			
8:21.88	JANE ASHER	GBR	2011	19:27.47	MARJORIE STONE	USA	2008	4:43.93	OLGA KOKORINA	RUS	2009
8:23.81	JUDIE OLIVER	CAN	2012	1500 M. FREE				5:21.96	JEAN TROY	USA	2012
9:32.43	JEAN TROY	USA	2007	32:11.49	MARGERIE MEYER	USA	2009	5:23.25	BARBARA BOHM	GER	2006
9:43.23	LOIS KIVI NOCHMAN	USA	2006	32:32.53	BETTY LORENZI	USA	2012	5:24.11	EVA KOPLIKOVA	CZE	2012
9:45.48	GERTRUD MEERWALD	GER	2000	32:33.60	RITA SIMONTON	USA	2003	5:27.60	BETTY CHRISTIAN	USA	2006
10:05.13	MAXINE MERLINO	USA	1992	36:42.40	JEAN DURSTON	USA	1999	5:35.82	MICHIKO HAMURO	JPN	2004
10:05.95	G.SCHOBEL-GRASS	GER	2006	36:53.31	BETTY RUSS	USA	2012	5:36.62	EMMI PAULI	GER	1998
10:08.13	JEAN DURSTON	USA	1995	37:52.47	G. MCKENZIE-HICKS	AUS	2012	5:38.79	UME WADA	JPN	1996
10:12.77	BETTY RUSS	USA	2008	38:05.96	LOIS KIVI NOCHMAN	USA	2009	5:39.91	MARIA LENK	BRA	2000
10:33.43	EDIE GRUENDER	USA	2008	38:20.39	MAXINE MERLINO	USA	1997	5:45.49	ALMA BRECKNOCK	AUS	2004
*****				39:09.67	WILLY VAN RYSEL	GBR	2001	50 M. FLY			
*****				40:07.30	CHIYOKO TAKIZAWA	JPN	2007	1:01.94	LOIS KIVI NOCHMAN	USA	2009
*****				50 M. BACK				1:06.40	YONE MURATA	JPN	2007
*****				51.81	BETTY LORENZI	USA	2012	1:09.57	NORA RONAI	BRA	2010
50 M. FREE				53.44	BUNNY CEDERLUND	USA	2006	1:10.06	AGNES KISS	HUN	2012
44.70	OLGA JOHNSON	NZL	2006	56.57	BETTY CHRISTIAN	USA	2006	1:10.51	JEAN TROY	USA	2012
44.93	MIEKO KAMOSHITA	JPN	2012	57.14	KERSTIN GJORES	SWE	2012	1:11.58	JEAN DURSTON	USA	1999
44.97	JEAN TROY	USA	2012	58.34	MARGERIE MEYER	USA	2008	1:12.00	MARIA LENK	BRA	2000
46.20	OLGA KOKORINA	RUS	2012	58.42	AILEEN SOULE	USA	1991	1:13.84	MAXINE MERLINO	USA	1997
46.72	MARGERIE MEYER	USA	2009	58.87	YOKO KOBAYASHI	JPN	2011	1:15.37	JUNE REYNOLDS	USA	2007
48.67	LIZ WALLIS	AUS	2012	59.06	SILVIA CRAVERI	ITA	2009	1:18.44	YOKO KOBAYASHI	JPN	2011
48.95	BETTY RUSS	USA	2012	59.56	WILLY VAN RYSEL	GBR	2002	100 M. FLY			
48.95	HISAKO KOGA	JPN	2002	59.85	NOEL MORROW	CAN	2005	2:23.89	LOIS KIVI NOCHMAN	USA	2009
49.08	RITA SIMONTON	USA	2003	100 M. BACK				2:39.43	JEAN DURSTON	USA	2000
49.41	KIKUE ONUMA	JPN	2012	1:54.22	BETTY LORENZI	USA	2012	2:45.28	DOROTHY WESTON	GBR	1998
100 M. FREE				2:06.41	BUNNY CEDERLUND	USA	2006	2:47.14	BETTY RUSS	USA	2012
1:43.68	JEAN TROY	USA	2012	2:07.47	KERSTIN GJORES	SWE	2012	2:52.47	JAE HOWELL	USA	2007



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2:59.53	JUNE REYNOLDS	USA	2007	5:11.52	CHIYOKO TAKIZAWA	JPN	2012	6:05.42	INGEBORG FRITZE	GER	2011
2:59.55	MAXINE MERLINO	USA	1997	5:16.84	WILLY VAN RYSEL	GBR	2006	6:15.92	MIEKO NAGAOKA	JPN	2008
3:01.14	KATHERINE PELTON	USA	1991	5:19.36	JULIA DOLCE	USA	1999	6:24.72	CLARICE ARTIS	AUS	2005
3:10.22	NORA RONAI	BRA	2011	5:20.97	KIKUE ISHII	JPN	2011	6:28.70	EVA MULLER	USA	2003
3:13.12	JEWEL COOKE	USA	1996	5:21.55	AILEEN SOULE	USA	1996	6:28.71	RITA DAVOGLIO	ITA	2002
200 M. FLY				5:22.49	MAXINE MERLINO	USA	2002	50 M. BRST			
5:07.64	LOIS KIVI NOCHMAN	USA	2009	5:24.75	MARIA LENK	BRA	2005	1:13.20	INGEBORG FRITZE	GER	2012
5:41.48	BETTY RUSS	USA	2012	400 M. FREE				1:20.53	MICHELE GUILLAIS	FRA	2011
5:49.75	JEAN DURSTON	USA	1999	9:04.93	RITA SIMONTON	USA	2008	1:25.91	MARIA LENK	BRA	2005
6:12.31	JAE HOWELL	USA	2007	9:30.36	MAURINE KORNFELD	USA	2011	1:26.57	M.GOTTSCALK	GER	1999
6:35.26	MAXINE MERLINO	USA	1998	10:30.72	HISAKO KOGA	JPN	2009	1:27.46	ANNELIESE POKER	GER	2011
6:35.92	JUNE REYNOLDS	USA	2007	10:41.86	CHIYOKO TAKIZAWA	JPN	2012	1:30.58	BARBARA BOHM	GER	2010
7:18.41	KATHERINE PELTON	USA	1990	10:58.64	WILLY VAN RYSEL	GBR	2006	1:34.13	LIZ KNUTSEN	DEN	2010
8:02.73	ELLA PECKHAM	USA	1985	11:17.74	MAXINE MERLINO	USA	2002	1:34.55	MICHIKO HAMURO	JPN	2009
8:02.91	KALIS RASMUSSEN	CAN	2009	11:19.66	MARIA LENK	USA	2005	1:35.23	YOSHI KUCHIBA	JPN	1998
8:03.13	NORA RONAI	BRA	2011	11:26.04	JOYCE O'FARRELL	AUS	2010	1:40.45	MARION DEVITT	CAN	2009
200 M. I.M.				11:44.11	JULIA DOLCE	USA	1999	100 M. BRST			
5:09.82	JEAN TROY	USA	2012	11:45.66	AILEEN SOULE	USA	1997	2:57.56	INGEBORG FRITZE	GER	2011
5:11.92	LOIS KIVI NOCHMAN	USA	2009	800 M. FREE				3:12.88	MARIA LENK	USA	2005
5:16.68	JEAN DURSTON	USA	1999	18:53.58	RITA SIMONTON	USA	2008	3:19.15	BARBARA BOHM	GER	2010
5:22.50	AGNES KISS	HUN	2012	19:28.25	MAURINE KORNFELD	USA	2012	3:21.95	M.GOTTSCALK	GER	1999
5:25.65	RITA SIMONTON	USA	2004	22:42.50	WILLY VAN RYSEL	GBR	2006	3:30.83	LIZ KNUTSEN	DEN	2010
5:27.56	MAXINE MERLINO	USA	1997	22:59.63	JOYCE O'FARRELL	AUS	2010	3:41.36	MICHIKO HAMURO	JPN	2009
5:29.95	KALIS RASMUSSEN	CAN	2009	23:01.12	MARIA LENK	BRA	2005	3:49.99	EVA MULLER	USA	2003
5:39.68	MARIA LENK	BRA	2000	23:04.42	MAXINE MERLINO	USA	2002	3:54.14	RITA SIMONTON	USA	2009
5:40.85	JAE HOWELL	USA	2007	26:04.96	KATH JOHNSTONE	NZL	2007	3:55.00	MARION DEVITT	CAN	2009
5:41.63	JUNE REYNOLDS	USA	2007	26:48.47	KIKU ONO	JPN	2007	3:58.92	CANDIDA GANDOLPHO	BRA	2010
400 M. I.M.				27:28.27	KAY SCHIMPF	USA	2007	200 M. BRST			
10:41.24	BETTY RUSS	USA	2012	28:07.33	JULIA DOLCE	USA	2001	6:53.97	BARBARA BOHM	GER	2010
10:45.77	JEAN TROY	USA	2012	1500 M. FREE				6:54.46	INGEBORG FRITZE	GER	2012
10:48.77	LOIS KIVI NOCHMAN	USA	2009	36:02.20	RITA SIMONTON	USA	2008	6:57.76	MARIA LENK	USA	2005
11:10.37	JEAN DURSTON	USA	1999	42:30.27	WILLY VAN RYSEL	GBR	2006	7:45.45	MICHIKO HAMURO	JPN	2009
11:21.06	MAXINE MERLINO	USA	1997	43:09.97	JOYCE O'FARRELL	AUS	2010	8:30.18	EVA MULLER	USA	2002
11:56.05	JAE HOWELL	USA	2007	44:46.30	MAXINE MERLINO	USA	2002	8:31.18	GERTRUD ZINT	USA	2007
12:16.14	KALIS RASMUSSEN	CAN	2009	47:05.74	CHIYOKO TAKIZAWA	JPN	2012	10:25.15	KAY SCHIMPF	USA	2007
12:29.83	NORA RONAI	BRA	2010	49:40.76	KIKU ONO	JPN	2007	10:39.50	DEL ROWLEY	AUS	1995
13:15.87	JEWEL COOKE	USA	1996	50:26.49	JULIA DOLCE	USA	1999	10:51.68	KATH JOHNSTONE	NZL	2007
13:38.34	GERTRUDE ZINT	USA	2003	51:19.79	KATH JOHNSTONE	NZL	2007	11:42.20	MADELEINE MILLER	USA	2000
*****				52:23.76	KAY SCHIMPF	USA	2007	50 M. FLY			
*****				52:51.69	MARY LATHRAM	USA	2005	1:22.05	YONE MURATA	JPN	2012
*****				50 M. BACK				1:33.12	RITA SIMONTON	USA	2008
*****				1:03.49	AILEEN SOULE	USA	1996	2:29.08	GERTRUD ZINT	USA	2007
*****				1:04.78	NOEL MORROW	CAN	2009	4:42.00	HILDA BUEL	USA	2006
*****				1:05.08	WILLY VAN RYSEL	GBR	2006	4:57.25	ANNA BAUSCHER	USA	1994
*****				1:10.29	AUDREY ETIENNE	USA	2006	200 M. I.M.			
*****				1:12.15	PERSIS RAE	AUS	2011	6:30.12	RITA SIMONTON	USA	2008
*****				1:12.97	JOAN GODSALL	AUS	2008	6:35.70	MAXINE MERLINO	USA	2003
*****				1:13.42	M.GOTTSCALK	GER	1999	12:03.55	HILDA BUEL	USA	2004
*****				1:14.48	MAURINE KORNFELD	USA	2011	12:10.93	ANNA BAUSCHER	USA	1994
*****				1:14.49	RITA SIMONTON	USA	2010	*****			
*****				1:17.62	HIDEKO HANADA	JPN	2009	*****			
*****				100 M. BACK				*****			
*****				2:23.23	AILEEN SOULE	USA	1996	*****			
*****				2:25.93	WILLY VAN RYSEL	GBR	2006	*****			
*****				2:30.63	MAURINE KORNFELD	USA	2011	50 M. FREE			
*****				2:33.12	RITA SIMONTON	USA	2011	1:14.38	SHIZUE SHIMIZU	JPN	2006
*****				2:34.29	NOEL MORROW	CAN	2009	1:14.72	MARGO BATES	AUS	2007
*****				2:47.05	MARIA LENK	BRA	2005	1:17.53	JULIA DOLCE	USA	2005
*****				2:49.46	M.GOTTSCALK	GER	1999	1:23.96	MIEKO NAGAOKA	JPN	2010
*****				2:51.69	MIEKO NAGAOKA	JPN	2007	1:24.39	AUDREY ETIENNE	USA	2012
*****				2:53.84	JULIA DOLCE	USA	2000	1:26.72	KIKU ONO	JPN	2012
*****				2:58.18	AUDREY ETIENNE	USA	2006	1:37.38	KATH JOHNSTONE	NZL	2012
*****				200 M. BACK				1:41.16	MASAKO MATSUNO	JPN	2011
*****				5:17.36	WILLY VAN RYSEL	GBR	2006	1:47.25	BETTY JONES	AUS	2004
*****				5:29.07	AILEEN SOULE	USA	1997	1:49.36	BERNARDA ANGULO	ESP	2009
*****				5:36.13	MAURINE KORNFELD	USA	2011	100 M. FREE			
*****				5:41.35	MARIA LENK	BRA	2005	2:56.83	MIEKO NAGAOKA	JPN	2009
*****				5:56.93	JULIA DOLCE	USA	2000	3:08.43	JULIA DOLCE	USA	2005
*****								3:09.64	MARGO BATES	AUS	2006



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3:15.49	AUDREY ETIENNE	USA	2011	M E N 25-29			16:42.87	JOHN PEARSON	USA	1991
3:37.10	KATH JOHNSTONE	NZL	2012	*****			50	M. BACK		
4:06.70	MARGE ANDERSON	CAN	1998	50	M. FREE		26.05	ADAM MANIA	USA	2011
4:13.30	BERNARDA ANGULO	ESP	2009	22.79	A.WADDELL	AUS 1992	26.18	HIDEAKI AOKI	JPN	2010
4:14.70	M.DE FROMONT	FRA	2006	23.15	C.GRAHLEMANN	GER 2009	26.58	JUNICHI MIYASHITA	JPN	2009
4:24.12	MASAKO MATSUNO	JPN	2012	23.36	RENE LEITE	BRA 2009	26.62	JANDER LAZARONI	BRA	2011
4:41.19	ANNE DUNIVIN	USA	2011	23.37	THIAGO REZZO	BRA 2012	26.64	KEVIN DOAK	USA	2009
200	M. FREE			23.38	HARUKI YAMAMOTO	JPN 2011	26.70	CHRIS KING	RSA	2012
6:30.34	MIEKO NAGAOKA	JPN	2009	23.39	KOHEI KAWAMOTO	USA 2008	26.78	S.HALGASCH	GER	2009
7:34.27	MARGO BATES	AUS	2005	23.40	RUDY TED DE HAAN	NED 2009	26.87	MASAYA KANEKO	JPN	2012
8:16.08	KATH JOHNSTONE	NZL	2012	23.48	DAVID THEVENOT	FRA 2008	26.95	KEN HAMADA SORGI	BRA	2012
8:57.26	M.DE FROMONT	FRA	2006	23.49	GUY SHERWIN	GBR 2009	27.05	NATHAN OXFORD	GBR	2010
9:24.83	BERNARDA ANGULO	ESP	2007	23.49	TIM EHLKES	GER 2004	100	M. BACK		
11:15.91	ANNE DUNIVIN	USA	2012	23.49	V.HAVLICEK	CZE 2000	56.80	CHRIS KING	RSA	2012
400	M. FREE			100	M. FREE		57.00	KEVIN DOAK	USA	2008
13:52.13	MIEKO NAGAOKA	JPN	2011	50.74	NICK SHACKELL	USA 2000	57.42	IKUMI HASEGAWA	JPN	2009
16:16.72	KATH JOHNSTONE	NZL	2012	51.23	EDVALDO SILVA	BRA 2007	57.45	JON WINTER	NZL	1997
18:16.28	BERNARDA ANGULO	ESP	2007	51.37	STEFAN OOSTING	NED 2009	57.69	MATTHEW BOWE	GBR	2008
18:32.26	M.DE FROMONT	FRA	2006	51.63	KOHEI KAWAMOTO	JPN 2005	58.00	JAMES CHADWICK	GBR	2004
22:01.50	ANNE DUNIVIN	USA	2011	51.71	C.GRAHLEMANN	GER 2010	58.24	JOHN KEPPELER	USA	1992
800	M. FREE			51.81	TIM EHLKES	GER 2004	58.26	YUTA SHOJI	JPN	2009
29:29.02	MIEKO NAGAOKA	JPN	2010	51.87	SION BRINN	USA 2002	58.29	JANDER LAZARONI	BRA	2011
33:53.37	KATH JOHNSTONE	NZL	2012	51.89	BOBBY SAVULICH	USA 2012	58.67	MASAYA KANEKO	JPN	2012
1500	M. FREE			51.92	NAOKI NAGURA	JPN 2006	200	M. BACK		
54:09.81	MIEKO NAGAOKA	JPN	2011	51.92	A.WADDELL	AUS 1992	2:03.62	CHRIS KING	RSA	2012
50	M. BACK			200	M. FREE		2:03.80	KAMIL KASPROWICZ	GER	2010
1:19.05	MIEKO NAGAOKA	JPN	2009	1:51.00	JOHN KEPPELER	USA 1996	2:07.57	JOHN KEPPELER	USA	1992
1:39.68	EDITH HENDRY	USA	2007	1:52.19	JOE TRISTAN	USA 2000	2:08.02	MASAYA KANEKO	JPN	2012
1:39.87	KIKU ONO	JPN	2012	1:52.82	CHRIS KING	RSA 2012	2:08.23	NICOLAS GRANGER	FRA	1994
1:42.07	JULIA DOLCE	USA	2005	1:53.16	CHRISTIAN HEIN	GER 2007	2:08.59	HIROSHI NISHIMURA	JPN	2001
1:45.87	MASAKO MATSUNO	JPN	2012	1:53.68	EDVALDO SILVA	BRA 2007	2:08.65	ROBERT HAUCK	USA	1993
1:57.79	MARGE ANDERSON	CAN	1998	1:53.76	MICHAEL KIEDEL	USA 2000	2:09.13	JEROME FAROUZE	FRA	2003
2:00.33	ROSA SELLARES	ESP	2005	1:53.86	STEVEN MELLOR	GBR 2001	2:09.19	DARRYL FOLLOWS	NZL	1993
2:01.10	BERNARDA ANGULO	ESP	2008	1:54.22	STEFAN OOSTING	NED 2009	2:10.30	SHINYA HAYASHI	JPN	2005
2:03.48	SHIZUE SHIMIZU	JPN	2007	1:54.68	BART REYMER	BEL 1998	50	M. BRST		
2:10.58	MARGO BATES	AUS	2006	1:54.78	KEISUKE MATSUNO	JPN 2009	27.96	MARK GANGLOFF	USA	2011
100	M. BACK			400	M. FREE		28.33	EDUARDO FISCHER	BRA	2008
2:55.56	MIEKO NAGAOKA	JPN	2010	4:00.98	HONZA VITAZKA	USA 2002	28.63	CHRISTOPHER JONES	GBR	2007
3:26.93	MASAKO MATSUNO	JPN	2011	4:01.70	STEVE MELLOR	GBR 2001	28.68	JAMES PARRACK	GBR	1996
3:42.90	EDITH HENDRY	USA	2007	4:02.79	MARTIN HOHL	SUI 2009	28.96	MITSUHIRO MARU	JPN	2007
4:16.79	MARGE ANDERSON	CAN	1998	4:02.95	BART REYMER	BEL 1998	28.97	NAOKI NAGURA	JPN	2009
4:18.07	ROSA SELLARES	ESP	2005	4:03.63	ALEX KOSTICH	USA 1997	28.98	SETH VAN NEERDEN	USA	1997
4:19.08	BERNARDA ANGULO	ESP	2009	4:05.99	CHIP HOBSON	USA 1994	29.01	ERIC VERBERCK	ARG	2011
4:48.93	MARGO BATES	AUS	2005	4:06.99	MARCUS MATTIOLI	ITA 1988	29.14	KOTARO MORITA	JPN	2009
4:57.61	MARY LATHRAM	USA	2011	4:07.72	ROLAND LEE	GBR 1992	29.14	CHRIS STEWART	RSA	2006
5:19.60	ANNE DUNIVIN	USA	2011	4:07.73	CAMERON REID	USA 1987	100	M. BRST		
200	M. BACK			4:10.06	ROBERT NUSSEL	GER 2012	1:02.44	GARY MARSHALL	USA	2008
6:29.99	MIEKO NAGAOKA	JPN	2010	800	M. FREE		1:02.65	CHRISTOPHER JONES	GBR	2007
7:52.01	EDITH HENDRY	USA	2007	8:24.67	ALEX KOSTICH	USA 1997	1:03.62	V.POLYAKOV	USA	2011
8:49.98	BERNARDA ANGULO	ESP	2009	8:27.48	MICHAEL DMITRIEV	GER 2012	1:03.72	MAKOTO YAMASHITA	JPN	2010
11:32.56	ANNE DUNIVIN	USA	2011	8:29.22	NICOLAS GRANGER	FRA 1994	1:04.11	JAMES PARRACK	GBR	1996
50	M. BRST			8:32.92	NEIL TAIT	GBR 1996	1:04.18	KOTARO MORITA	JPN	2009
2:24.40	MIEKO NAGAOKA	JPN	2011	8:35.91	CHIP HOBSON	USA 1994	1:04.24	EDUARDO FISCHER	BRA	2008
4:20.32	ROSA SELLARES	ESP	2005	8:36.83	JEFF ERWIN	USA 1992	1:04.49	SIMON LEIGHFIELD	AUS	2002
				8:36.88	JOHN PEARSON	USA 1992	1:04.60	DAVID LUNDBERG	USA	1989
				8:37.24	FRANK WERNER	GER 1996	1:04.61	RUDY TED DE HAAN	NED	2009
				8:41.27	NICKY LANGE	GER 2007	200	M. BRST		
				8:41.43	MARCUS MATTIOLI	ITA 1988	2:16.70	GARY MARSHALL	USA	2008
				1500	M. FREE		2:18.17	CHRISTOPHER JONES	GBR	2008
5:10.84	MARY MAINA	AUS	1994	16:13.89	ALEX KOSTICH	USA 1997	2:19.73	DAISUKE KIMURA	JPN	2010
100	M. FREE			16:26.06	MARTIN HOHL	SUI 2012	2:20.25	SIMON LEIGHFIELD	AUS	2002
6:17.75	MARGO BATES	AUS	2010	16:28.63	C.HANSMANN	GER 2002	2:22.17	JIRI VLCEK	CZE	2009
50	M. BACK			16:28.69	CAMERON REID	USA 1987	2:22.60	HIROSHI TEMMA	JPN	2008
2:52.85	MARGO BATES	AUS	2010	16:31.20	JOHN CALNAN	CAN 2006	2:22.71	ANDREA CAVALLETTI	ITA	2012
100	M. BACK			16:32.95	ROBERT NUSSLE	GER 2012	2:23.28	ERIC CARLSON	USA	2011
6:36.82	MARGO BATES	AUS	2010	16:36.87	NICKY LANGE	GER 2009	2:23.56	KYLE DEERY	USA	2011
				16:38.86	JULIEN BAILLOD	SUI 2009	2:23.74	EDUARDO FISCHER	BRA	2008
				16:41.95	DAVID GENET	FRA 2011	50	M. FLY		



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23.71 KOHEI KAWAMOTO	USA 2008	23.43 S.VYACHESLAV	UKR 2012	56.55 STEFAN HERBST	GER 2011
24.67 CARLOS NASCIMENTO	BRA 2009	100 M. FREE		57.24 MARTIN HARRIS	GBR 2000
24.72 RUDY TED DE HAAN	NED 2009	50.84 S.KUNZELMANN	GER 2009	57.46 R.FLOREA	ROM 2010
24.75 ERIK TOLMACHOFF	USA 2009	51.06 ADAM PINE	AUS 2009	57.58 KEVIN DOAK	USA 2012
24.88 M.BABUCHOWSKI	POL 2012	51.24 P.KUTSCHER	GER 2009	58.66 SEAN MURPHY	USA 1994
24.88 JON WINTER	NZL 1998	51.34 HIDEAKI HARA	JPN 2008	58.69 MARCO MACCIANTI	ITA 2012
24.89 DAISUKE ABE	JPN 2008	51.46 STEFAN HERBST	GER 2011	58.74 TAKUMA YAMAOKA	JPN 2009
24.92 DANIEL BELINI	BRA 2009	51.50 ROWDY GAINES	USA 1991	59.16 LEONARDO GOMES	BRA 2004
25.07 S.HALGASCH	GER 2009	51.59 KEVIN DOAK	USA 2012	59.21 JEFF COMMINGS	USA 2004
25.07 V.HAVLICEK	CZE 2000	51.61 TAMAS KEREKJARTO	USA 2009	59.31 JONATHAN AUDIS	GBR 2010
100 M. FLY		52.00 D.STOCKINGER	AUT 2012	200 M. BACK	
53.09 KOHEI KAWAMOTO	USA 2008	52.05 MICHAEL FIBBENS	GBR 2000	2:02.75 ROGERIO ROMERO	BRA 2000
54.29 MATTHEW BOWE	GBR 2008	200 M. FREE		2:04.43 R.FLOREA	ROM 2010
54.73 M.BABUCHOWSKI	POL 2012	1:53.15 DANIEL KOWALSKI	AUS 2009	2:05.62 SEAN MURPHY	USA 1994
54.95 CARLOS NASCIMENTO	BRA 2009	1:53.33 JACOB CARSTENSEN	DEN 2010	2:06.30 MARTIN HARRIS	GBR 2000
55.16 KEI NAKASHIMA	JPN 2009	1:53.46 TAMAS KEREKJARTO	USA 2009	2:08.11 MARK VOGEL	DEN 2000
55.34 DANIEL BELINI	BRA 2009	1:54.18 D.STOCKINGER	AUT 2012	2:08.21 ROSTISLAV VITEK	CZE 2009
55.35 HONZA VITAZKA	USA 2002	1:54.33 JOSH DAVIS	USA 2006	2:09.47 JEROME FAROUZE	FRA 2006
55.69 JASON EADDY	USA 2004	1:55.20 DIOGO YABE	BRA 2011	2:09.72 MARCO MACCIANTI	ITA 2012
56.00 YUSUKE ISHIGURO	JPN 2004	1:55.28 ROWDY GAINES	USA 1991	2:09.81 LEONARDO GOMES	BRA 2006
56.11 MATT HAUPT	USA 2005	1:55.41 LACHLAN MCDOWELL	AUS 2009	2:09.84 JAY YARID	USA 1993
200 M. FLY		1:55.48 JAMES MONTGOMERY	USA 1986	50 M. BRST	
2:03.26 SATOSHI TORATANI	JPN 2008	1:55.60 I.GHERGHEL	ROM 2010	28.59 CARLOS ALENCAR	BRA 2009
2:04.14 KIMITAKA MINOBE	JPN 2003	400 M. FREE		28.63 OLEG LISOGOR	UKR 2010
2:05.26 PHILIPP GILGEN	SUI 2003	3:58.42 DANIEL KOWALSKI	AUS 2009	28.86 RYOSUKE IMAI	JPN 2009
2:05.76 JASON EADDY	USA 2002	4:00.33 R.MONASTERIO	VEN 2010	29.01 JEFF COMMINGS	USA 2006
2:06.46 ANATOLIY POLYAKOV	RUS 2009	4:01.06 JAN WOLFGARTEN	GER 2012	29.15 BRIAN JACOBSON	USA 2005
2:06.53 MARCUS MATTIOLI	ITA 1988	4:01.70 JACOB CARSTENSEN	DEN 2012	29.19 BASTIAN KAMPMANN	GER 2010
2:07.09 K.GAYDAR	UKR 2012	4:04.37 THOMAS LURZ	GER 2012	29.25 GARY MARSHALL	USA 2012
2:07.14 HONZA VITAZKA	USA 2002	4:05.01 ROSTISLAV VITEK	CZE 2009	29.30 TIMO NOLTE	GER 2006
2:07.15 CLEMENT CECILIOT	FRA 2012	4:05.19 CARLOS PAVAO	BRA 2007	29.36 JORG FARBER	GER 2009
2:07.54 MATT HAUPT	USA 2005	4:05.61 ERIK HOCHSTEIN	USA 2002	29.38 MASAHIKO KUBOTA	JPN 2009
200 M. I.M.		4:07.04 ROWDY GAINES	USA 1994	29.38 RYUTARO MORITA	JPN 2009
2:05.98 KAMIL KASPROWICZ	GER 2010	4:08.53 SEBASTIAN WIESE	GER 2003	100 M. BRST	
2:06.33 HONZA VITAZKA	USA 2002	800 M. FREE		1:02.71 ED MOSES	USA 2011
2:06.45 YUTA SHOJI	JPN 2009	8:08.68 JAN WOLFGARTEN	GER 2012	1:02.90 EDUARDO FISCHER	BRA 2011
2:07.00 NICOLAS GRANGER	FRA 1994	8:10.78 THOMAS LURZ	GER 2012	1:03.67 RYOSUKE IMAI	JPN 2011
2:09.21 CAMERON REID	USA 1987	8:16.52 R.MONASTERIO	VEN 2010	1:04.91 JACOB CARSTENSEN	DEN 2010
2:10.44 KAZUYA KUROSU	JPN 2003	8:18.76 DANIEL KOWALSKI	AUS 2009	1:05.02 NICK GILLINGHAM	GBR 1999
2:10.50 MATTHEW CHAPPEL	GBR 2004	8:26.26 CARLOS PAVAO	BRA 2007	1:05.10 JEFF COMMINGS	USA 2007
2:10.70 CHRISTOPHER JONES	GBR 2007	8:27.41 ROSTISLAV VITEK	CZE 2009	1:05.13 UMBERTO RAMELLI	ITA 2009
2:10.70 ROLAND LEE	GBR 1992	8:35.16 IGOR PIOVESAN	ITA 2008	1:05.15 BASTIAN KAMPMANN	GER 2010
2:10.72 NILS FRESE	GER 2010	8:40.19 ROWDY GAINES	USA 1994	1:05.17 TUDOR IGNAT	ROM 2010
400 M. I.M.		8:40.78 ANDREA MARCATO	ITA 2004	1:05.24 CARLOS ALENCAR	BRA 2009
4:30.05 DIOGO YABE	BRA 2009	8:41.14 JULIEN BAILLOD	SUI 2011	200 M. BRST	
4:31.47 NICOLAS GRANGER	FRA 1994	1500 M. FREE		2:18.04 GARY MARSHALL	USA 2012
4:32.19 HONZA VITAZKA	USA 2002	15:25.79 JAN WOLFGARTEN	GER 2012	2:19.67 ED MOSES	USA 2011
4:32.45 DIRK ZINNOW	GER 2000	16:30.41 ASUKA KOIZUMI	JPN 2009	2:20.43 NICK GILLINGHAM	GBR 1999
4:32.96 ALEX KOSTICH	USA 1997	16:33.70 IGOR PIOVESAN	ITA 2008	2:21.25 HIROYUKI KOSAKA	JPN 2009
4:34.08 CAMERON REID	USA 1987	16:34.31 DAVID GENET	FRA 2012	2:21.28 TOMASZ DUSZYNSKI	POL 2008
4:41.14 MARCUS MATTIOLI	ITA 1988	16:35.67 SEBASTIAN WIESE	GER 2003	2:21.43 JACOB CARSTENSEN	DEN 2012
4:42.34 SATOSHI TORATANI	JPN 2008	16:36.06 BOBBY PATTEN	USA 1993	2:22.36 TAKAHIRO MORI	JPN 2012
4:42.71 TODD ROBINSON	USA 1992	16:38.24 JEFF ERWIN	USA 1998	2:22.62 KAZUYA KOIKE	JPN 2009
4:42.78 RAYMOND VD MERWE	NED 2011	16:42.28 RON NEUGENT	USA 1991	2:22.88 SIMONE BATTISTON	ITA 2009
*****		16:42.60 ANDREA MARCATO	ITA 2005	2:24.06 DAVID LUNDBERG	USA 1991
*****		16:45.83 JULIEN BAILLOD	SUI 2011	50 M. FLY	
M E N 30-34		50 M. BACK		24.59 KEVIN DOAK	USA 2012
*****		26.02 STEFAN HERBST	GER 2011	24.61 ADAM PINE	AUS 2009
50 M. FREE		26.42 KEVIN DOAK	USA 2012	24.73 OSWALDO QUEVEDO	USA 2006
22.53 SABIR MUHAMMAD	USA 2009	26.54 R.FLOREA	ROM 2010	24.91 GARY HALL	USA 2005
22.80 ROBERT PEEL	USA 1996	26.59 DERYA BUYUKUNCU	USA 2009	25.02 OLEG LISOGOR	UKR 2011
22.91 BRIAN JACOBSON	USA 2005	26.64 MARTIN HARRIS	GBR 2002	25.02 ALEXANDER KAHL	GER 2007
23.21 ROWDY GAINES	USA 1991	26.68 V.SHIRSHOV	UKR 2011	25.11 I.GHERGHEL	ROM 2010
23.25 S.KUNZELMANN	GER 2009	26.89 VIKTOR AREFYEV	UKR 2005	25.16 BRIAN ALDERMAN	USA 2000
23.27 TODD PACE	USA 1998	27.09 DANIEL GOIS	BRA 2006	25.24 CURTIS SAWIN	USA 2002
23.31 V.SHIRSHOV	UKR 2011	27.13 STEV THELOKE	GER 2012	25.25 TAKESHI DANNO	JPN 2000
23.33 DAISUKE HOSOKAWA	JPN 2012	27.19 TERO RATY	FIN 2009	100 M. FLY	
23.40 DANO HALSALL	SUI 1995	100 M. BACK		53.11 ADAM PINE	AUS 2009



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54.19	I.GHERGHEL	ROM	2010	200 M. FREE		2:09.26	DANIEL VEATCH	USA	2000		
54.83	KEVIN DOAK	USA	2012	1:52.84	VLAD PYSHNENKO	USA	2006	2:09.65	DARRYL FOLLOWS	NZL	2002
55.01	TAMAS KEREKJARTO	USA	2009	1:54.86	RICHARD SAEGER	USA	2001	2:09.67	A.PONTALTI	ITA	2012
55.39	HIROKI NAKAZONO	JPN	2009	1:55.36	ROWDY GAINES	JPN	1994	2:10.38	NICHOLAS GRANGER	FRA	2002
55.67	MATT HAUPT	USA	2010	1:55.62	MICHAEL ROSS	USA	2006	2:10.59	RICK GOULD	USA	2006
56.25	RAZVAN PETCU	USA	2004	1:55.68	JOCHEN BRUHA	GER	2004	2:11.60	TAKAYUKI MIYASAKA	JPN	2012
56.49	ROBERTO FIUZA N	BRA	1999	1:56.02	RONALD KARNAUGH	USA	2003	2:12.18	DEREK GUFFEY	USA	2009
56.62	OSWALDO QUEVEDO	USA	2006	1:56.31	HIDEAKI HARA	JPN	2012	2:12.39	SIMON THIRSK	RSA	2012
56.64	MIKE BOTTOM	USA	1988	1:56.45	GUSTAVO HELENO	BRA	2011	2:13.28	JEROME FRENTSOS	USA	2000
200 M. FLY				1:57.37	ERIK HOCHSTEIN	USA	2003	50 M. BRST			
2:00.33	MIGUEL ALCALDE	ESP	2007	1:57.61	CLAUS IVERSEN	DEN	2012	28.53	JEFF COMMINGS	USA	2009
2:03.76	MATT HAUPT	USA	2010	400 M. FREE				28.80	VLADISLAV BRAGIN	RUS	2009
2:03.85	BOBBY PATTEN	USA	1995	4:05.91	PETAR STOYCHEV	GER	2012	29.09	WALLY DICKS	USA	1998
2:06.79	ASUKA KOIZUMI	JPN	2009	4:06.73	GUSTAVO HELENO	BRA	2011	29.19	ANDRIY KULYK	NCA	2012
2:06.82	PHILIPPE MEYER	SUI	2005	4:07.64	ROWDY GAINES	USA	1995	29.21	TIMO NOLTE	GER	2010
2:06.84	IAN BECK	GBR	1996	4:09.74	DANIEL VERDAGUER	ESP	2006	29.40	GERALD MORKEN	GER	1996
2:07.71	JAMES BELARDI	USA	1987	4:10.15	CLAUS IVERSEN	DEN	2012	29.57	PETTERI LEHTINEN	FIN	2009
2:08.03	LOIC LEROY	FRA	2012	4:10.31	ERIK HOCHSTEIN	USA	2003	29.64	ANDREA AGOSTINONE	ITA	2006
2:08.06	JULIEN BAILLOD	SUI	2011	4:10.54	IGOR PIOVESAN	ITA	2009	29.65	YASUHIRO KOMORI	JPN	2009
2:08.25	TAMAS KEREKJARTO	USA	2010	4:12.48	CHRIS FYDLER	AUS	2009	29.66	ROB BUTCHER	USA	2009
200 M. I.M.				4:12.56	ANDREA MARCATO	ITA	2009	100 M. BRST			
2:03.54	DIOGO YABE	BRA	2011	4:13.24	R SEAN JUSTICE	USA	2011	1:04.37	JEFF COMMINGS	USA	2012
2:05.52	ISTVAN BATHAZI	USA	2009	800 M. FREE				1:04.73	NICK GILLINGHAM	GBR	2004
2:05.60	TAMAS KEREKJARTO	USA	2010	8:18.44	PETAR STOYCHEV	GER	2012	1:04.91	STEVE WEST	USA	2011
2:07.38	JACOB CARSTENSEN	DEN	2010	8:35.29	GUSTAVO HELENO	BRA	2011	1:05.00	WALLY DICKS	USA	2000
2:07.97	KOSUKE KOJIMA	USA	2009	8:38.73	ROWDY GAINES	USA	1996	1:05.07	ALBERTO MONTINI	ITA	2004
2:08.89	NICOLAS GRANGER	FRA	2000	8:39.37	ANDREA MARCATO	ITA	2009	1:05.38	VLADISLAV BRAGIN	RUS	2010
2:09.34	C.SORRENTINO	ITA	2008	8:39.49	IGOR PIOVESAN	ITA	2009	1:05.63	RONALD KARNAUGH	USA	2003
2:09.69	DAVID LUNDBERG	USA	1991	8:41.16	DANIEL VERDAGUER	ESP	2006	1:05.67	DAVID GUTHRIE	USA	1995
2:09.70	JOSH DAVIS	USA	2006	8:41.53	R SEAN JUSTICE	USA	2011	1:05.95	ROB BUTCHER	USA	2009
2:09.77	ASUKA KOIZUMI	JPN	2009	8:46.26	JIMMY FURRER	SUI	1996	1:06.33	HIROYUKI KOSAKA	JPN	2011
400 M. I.M.				8:46.34	E.MASSIMILIANO	ITA	2012	200 M. BRST			
4:31.36	DIOGO YABE	BRA	2012	8:49.89	ALEJANDRO MORENO	MEX	2004	2:20.29	NICK GILLINGHAM	GBR	2004
4:33.91	THOMAS LURZ	GER	2012	1500 M. FREE				2:20.34	STEVE WEST	USA	2011
4:35.41	ASUKA KOIZUMI	JPN	2010	16:00.04	PETAR STOYCHEV	GER	2012	2:21.87	RON KARNAUGH	USA	2001
4:38.28	JULIEN BAILLOD	SUI	2012	16:32.72	CHRISTOPHER DERKS	USA	2008	2:24.26	ALBERTO MONTINI	ITA	2004
4:38.36	C.SORRENTINO	ITA	2008	16:36.50	ANDREA MARCATO	ITA	2009	2:24.37	DAVID GUTHRIE	USA	1995
4:39.92	NICOLAS GRANGER	FRA	2000	16:37.34	ROWDY GAINES	USA	1995	2:24.42	HIROYUKI KOSAKA	JPN	2011
4:40.22	SEAN MURPHY	USA	1994	16:38.48	R SEAN JUSTICE	USA	2011	2:26.05	WALLY DICKS	USA	2000
4:40.44	DAVID LUNDBERG	USA	1992	16:40.90	IGOR PIOVESAN	ITA	2009	2:27.27	TOMASZ DUSZYNSKI	POL	2011
4:40.91	HIROYUKI KOSAKA	JPN	2009	16:45.04	MIKE SHAFFER	USA	2002	2:27.55	ROQUE SANTOS	USA	2006
4:41.30	THOMAS FRISTOE	USA	1993	16:50.83	ERIK HOCHSTEIN	USA	2003	2:27.59	SIMONE BATTISTON	ITA	2010
*****				16:59.46	DANIEL VEATCH	USA	2001	50 M. FLY			
*****				17:06.10	OLIVIER VAHE	FRA	2009	24.69	RYK NEETHLING	RSA	2012
*****	M E N 35-39			50 M. BACK				24.75	MARK FOSTER	GBR	2005
*****				27.03	EDILSON SILVA	USA	2009	25.00	WADE KING	USA	2002
50 M. FREE				27.11	LEONARDO GOMES	BRA	2009	25.10	LEONARDO GOMES	BRA	2009
22.76	MARK FOSTER	GBR	2005	27.21	OSAMU ITOI	JPN	2009	25.18	GLENN COUNTS	USA	2012
23.20	ROWDY GAINES	JPN	1994	27.47	VIKTOR AREFYEV	UKR	2012	25.22	MAKIO ENDO	JPN	2009
23.28	RYK NEETHLING	RSA	2012	27.50	MICHAEL ROSS	USA	2004	25.23	EIJI NOMURA	JPN	2010
23.28	M.GIALDI	ITA	2004	27.60	J CLAY BRITT	USA	1999	25.31	JAN KARLSSON	SWE	2005
23.37	BRIAN JACOBSON	USA	2012	27.63	C.SORRENTINO	ITA	2009	25.41	DENIS SILANTJEV	UKR	2011
23.53	SVEN GUSKE	GER	2009	27.68	RICK GOULD	USA	2006	25.42	IGOR MARCHENKO	USA	2012
23.59	STEFAN VOLERY	SUI	1996	27.73	DEREK ROBINSON	USA	2004	100 M. FLY			
23.60	FELIPE DELGADO	USA	2009	27.75	SIMON THIRSK	RSA	2012	55.82	HIDEAKI HARA	JPN	2011
23.76	SVEN LODZIEWSKI	GER	2004	100 M. BACK				55.84	EIJI NOMURA	JPN	2009
23.77	TODD ROBINSON	AUS	2009	59.18	MICHAEL ROSS	USA	2006	56.07	MICHAEL ROSS	USA	2004
100 M. FREE				59.50	OSAMU ITOI	JPN	2009	56.28	STEPHEN MAVIN	GBR	2012
50.78	HIDEAKI HARA	JPN	2009	59.65	JEFF COMMINGS	USA	2012	56.39	TYLER JOURDONNAIS	USA	2000
51.49	ROWDY GAINES	USA	1995	59.91	ERIC ERICSON	USA	2000	56.41	BERNIE ZERUHN	USA	2006
51.98	SVEN LODZIEWSKI	GER	2004	1:00.00	RICK GOULD	USA	2006	56.60	JEFF STUART	USA	1996
52.15	RICHARD SAEGER	USA	2001	1:00.07	SIMON THIRSK	RSA	2012	56.76	FRANK WATTLES	USA	2007
52.22	VLAD PYSHNENKO	USA	2006	1:00.13	J CLAY BRITT	USA	1999	57.10	HENRY CLARK	USA	2003
52.23	MICHAEL ROSS	USA	2004	1:00.29	RICHARD SAEGER	USA	2001	57.32	MASAKATSU USAMI	JPN	2007
52.27	TODD ROBINSON	AUS	2009	1:00.34	MARK VOGEL	DEN	2009	200 M. FLY			
52.68	R.LOCOCIOLO	ITA	2009	1:00.44	RONALD KARNAUGH	USA	2003	2:06.74	JEFF STUART	USA	1996
52.93	JOCHEN BRUHA	GER	2004	200 M. BACK				2:07.13	BERNIE ZERUHN	USA	2006
53.01	ISAMU TSUZUKI	JPN	2009	2:07.16	RON KARNAUGH	USA	2001	2:08.13	KIMITAKA MINOBE	JPN	2011



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2012)

2:08.51	WILLIAM SPECHT	USA	1994	4:11.55	DENNIS BAKER	USA	2004	29.50	VLADIMIR BRAGIN	RUS	2011
2:08.65	MIKE SHAFFER	USA	2002	4:13.65	MARK THOMPSON	AUS	2009	29.53	HIDEAKI TOGO	JPN	2012
2:09.03	PHILIPPE MEYER	SUI	2006	4:13.82	JURE BUCAR	SLO	2006	29.56	YOZO FUJII	JPN	2009
2:09.10	FRANK WATTLES	USA	2007	4:14.37	MICHAEL PRUFERT	GER	2006	29.86	MAKOTO ONODERA	JPN	2009
2:09.18	JAMES BELARDI	USA	1992	4:14.54	PAUL LEMMON	AUS	2009	29.98	RICO ROLLI	ITA	2009
2:09.36	DENNIS BAKER	USA	2000	4:15.57	BRETT PHILLIPS	USA	2001	30.16	ROBERTO DOBIE	ARG	2009
2:09.77	HENRY CLARK	USA	2002	4:15.71	MICHAEL KLEIBER	GER	2004	30.41	JAMES CORBEAU	USA	2008
200 M. I.M.				4:15.78	KAI DITZEL	GER	2004	100 M. BRST			
2:05.64	RONALD KARNAUGH	USA	2003	4:15.86	JOSEPH RHYNE	USA	1999	1:03.60	VLADISLAV BRAGIN	RUS	2012
2:11.23	NICOLAS GRANGER	FRA	2002	800 M. FREE				1:03.76	STEVE WEST	USA	2012
2:12.25	R.LOCOCCILO	ITA	2010	8:37.81	ALEX KOSTICH	USA	2010	1:04.86	VLADIMIR BRAGIN	RUS	2011
2:12.37	CLAUS IVERSEN	DEN	2012	8:41.65	JEFF ERWIN	USA	2005	1:05.04	ALBERTO MONTINI	ITA	2009
2:13.02	JEROME FRENTSOS	USA	2000	8:44.89	DANIEL SERRA	ESP	2008	1:05.97	RICO ROLLI	ITA	2009
2:13.04	HIROYUKI KOSAKA	JPN	2011	8:46.51	MICHAEL KLEIBER	GER	2005	1:06.16	YOZO FUJII	JPN	2009
2:13.27	ALBERTO MONTINI	ITA	2007	8:46.61	MICHAEL PRUFERT	GER	2005	1:06.60	MAKOTO ONODERA	JPN	2009
2:13.51	A.PONTALTI	ITA	2012	8:48.69	JOSEPH RHYNE	USA	1999	1:06.67	HIDEAKI TOGO	JPN	2012
2:13.99	EDWIN VAN NORDEN	NED	2001	8:51.45	STUART CROMARTY	USA	2004	1:06.90	HAJIME MORIMOTO	JPN	2009
2:14.01	HIDEAKI HARA	JPN	2010	8:51.60	MARK THOMPSON	AUS	2012	1:07.91	FABIO MARUSSIG	ITA	2010
400 M. I.M.				8:53.04	FABIO CALMASINI	ITA	2012	200 M. BRST			
4:34.10	RON KARNAUGH	USA	2001	8:53.61	PAUL LEMMON	AUS	2009	2:18.94	ALBERTO MONTINI	ITA	2009
4:42.45	NICOLAS GRANGER	FRA	2002	1500 M. FREE				2:19.01	STEVE WEST	USA	2012
4:43.17	JEROME FRENTSOS	USA	2000	16:36.91	ALEX KOSTICH	USA	2010	2:23.09	VLADISLAV BRAGIN	RUS	2012
4:45.47	DEREK GUFFEY	USA	2009	16:39.60	JEFF ERWIN	USA	2008	2:24.19	ROQUE SANTOS	USA	2008
4:45.98	SANDRO TOMAS	CRO	2008	16:45.53	MICHAEL KLEIBER	GER	2003	2:24.27	VLADIMIR BRAGIN	RUS	2011
4:46.79	DARIUSZ WOLNY	POL	1998	16:48.68	TIMOTHY GALLAUDET	USA	2008	2:27.83	WOLFGANG RABER	AUT	2010
4:47.06	CLAUS IVERSEN	DEN	2012	16:54.95	MICHAEL PRUFERT	GER	2006	2:28.54	DAVID GUTHRIE	USA	2000
4:48.38	ROQUE SANTOS	USA	2006	16:58.52	HESS YNTEMA	USA	1995	2:29.66	MAKOTO ONODERA	JPN	2010
4:49.90	A.TIBERTI	ITA	2001	17:01.24	MARCO TENDERINI	ITA	2009	2:29.77	RON SCHAFER	USA	1998
4:50.04	ANTONINO TRIPPEDO	ITA	2012	17:05.53	JOSEPH RHYNE	USA	1999	2:29.99	TIMOUR PODMARER	RUS	1998
*****				17:09.14	MIKE SHAFFER	USA	2009	50 M. FLY			
M E N 40-44				17:13.00	MARK THOMPSON	AUS	2011	25.07	SERKAN ATASAY	TUR	2011
*****				50 M. BACK				25.39	EIJI NOMURA	JPN	2012
50 M. FREE				27.35	SERKAN ATASAY	TUR	2012	25.51	JOHN BATES	AUS	2011
23.30	STEPHAN VOLERY	SUI	2001	27.38	EDILSON SILVA	BRA	2010	25.54	MASATERU IKEDA	JPN	2012
23.86	M.GIALDI	ITA	2008	27.47	MICHAEL ROSS	USA	2008	25.57	MICHAEL ROSS	USA	2009
24.12	TOMMY RUNDGREN	FIN	2009	27.88	CLAY BRITT	USA	2002	25.73	JAN KARLSSON	SWE	2010
24.14	DAVID BOATWRIGHT	USA	2003	27.95	CHRIS STEVENSON	USA	2008	25.73	STEVE HILTABIDDLE	USA	2009
24.23	TODD PACE	USA	2011	28.01	VLADIMIR SELKOV	RUS	2012	25.87	PAUL SMITH	USA	2000
24.24	ERIK HOCHSTEIN	USA	2008	28.08	TOM STACHEWICZ	AUS	2008	25.90	HARTMUT BERNER	GER	2005
24.25	BRENT BARNES	JPN	1998	28.26	GIUSEPPE TIANO	ITA	2009	25.96	JOHN CUNNINGHAM	IRL	2010
24.30	VLAD PYSHNENKO	USA	2010	28.31	EDILSON JUNIOR	BRA	2012	100 M. FLY			
24.31	MICHAEL ROSS	USA	2008	28.48	Y.NAKAHARA	JPN	2010	56.17	SERKAN ATASAY	TUR	2011
24.36	JANNE VIRTANEN	FIN	2004	100 M. BACK				56.43	MICHAEL ROSS	USA	2008
100 M. FREE				59.08	MICHAEL ROSS	USA	2009	57.41	MASATERU IKEDA	JPN	2012
51.72	VLAD PYSHNENKO	USA	2010	59.36	SERKAN ATASAY	TUR	2012	57.57	PAUL CARTER	USA	2001
52.10	ERIK HOCHSTEIN	USA	2009	1:00.56	CHRIS STEVENSON	USA	2008	57.62	HENRY CLARK	USA	2005
52.42	MICHAEL ROSS	USA	2009	1:00.62	EDILSON SILVA	BRA	2010	57.67	ALBERTO MONTINI	ITA	2009
52.55	CHRIS FYDLER	AUS	2012	1:00.64	RICH SAEGER	USA	2006	57.79	WILLIAM SPECHT	USA	1999
53.19	STEFAN OPATIL	AUT	2009	1:00.91	CLAY BRITT	USA	2002	57.89	EIJI NOMURA	JPN	2012
53.31	TOMMY RUNDGREN	FIN	2009	1:00.95	SEAN MURPHY	USA	2006	57.97	DENNIS BAKER	USA	2004
53.45	RICH SAEGER	USA	2006	1:01.09	DEKE BOTSFORD	CAN	2010	58.10	ANDREA TOJA	ITA	2009
53.66	JOAKIM SJOHOLM	SWE	2004	1:01.30	VLADIMIR SELKOV	RUS	2012	200 M. FLY			
53.69	CYRO DELGADO	BRA	2002	1:01.43	GIUSEPPE TIANO	ITA	2009	2:05.55	DENNIS BAKER	USA	2004
53.78	JACK GROSELLE	USA	1998	200 M. BACK				2:09.47	WILLIAM SPECHT	USA	1998
200 M. FREE				2:12.77	MARK VOGEL	DEN	2010	2:10.20	MIKE SHAFFER	USA	2006
1:53.65	VLAD PYSHNENKO	USA	2010	2:12.82	EDUARDO MAROCCO	BRA	2012	2:11.16	TOSHIYUKI IBE	JPN	2010
1:55.06	MICHAEL ROSS	USA	2009	2:13.37	SEAN MURPHY	USA	2006	2:11.21	EIJI NOMURA	JPN	2012
1:55.06	RICH SAEGER	USA	2006	2:13.48	CHRIS STEVENSON	USA	2008	2:11.53	JAMES BELARDI	USA	1997
1:55.70	ERIK HOCHSTEIN	USA	2008	2:14.37	ERIK HOCHSTEIN	USA	2009	2:12.36	UWE VOLK	GER	2012
1:58.50	KAI DITZEL	GER	2004	2:14.61	JOHN ENGS	USA	2006	2:12.43	HESS YNTEMA	USA	1996
1:58.60	ROSS DAVIS	USA	2006	2:14.71	DEKE BOTSFORD	CAN	2010	2:12.66	JOSEPH RHYNE	USA	1999
1:58.61	PAUL SMITH	USA	2001	2:14.83	DANIEL VEATCH	USA	2006	2:13.50	MARK MAGEE	USA	2009
1:58.66	JOCHEN BRUHA	GER	2009	2:15.35	ROSS DAVIS	USA	2006	200 M. I.M.			
1:58.66	JEFFREY UTSCH	USA	2008	2:15.49	WILLIAM SPECHT	USA	1999	2:10.63	ALBERTO MONTINI	ITA	2009
1:58.74	JURE BUCAR	SLO	2006	50 M. BRST				2:12.41	PETER BERMEL	GER	2007
400 M. FREE				28.84	ALBERTO MONTINI	ITA	2009	2:12.73	UWE VOLK	GER	2010
4:06.74	ERIK HOCHSTEIN	USA	2009	29.16	VLADISLAV BRAGIN	RUS	2012	2:14.13	ERIK HOCHSTEIN	USA	2009
				29.38	STEVE WEST	USA	2012	2:14.39	LORENZO BENUCCI	USA	2007



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2:15.10	JENS-PETER BERNDT	USA	2004	8:52.20	MICHAEL PRUFERT	GER	2009	1:08.74	ALEXEY VLASENKO	RUS	2012
2:15.53	JAMES SORENSEN	USA	1998	8:58.50	RICARDO VALDIVIA	USA	2009	1:08.91	THOMAS LIGL	GER	2009
2:15.75	MICHAEL ROSS	USA	2009	8:58.84	JIM MCCONICA	USA	1999	1:08.92	RICHARD SCHROEDER	USA	2006
2:15.78	DEKE BOTSFORD	CAN	2010	9:00.43	PAUL LEMMON	AUS	2012	1:09.03	JON BLANK	USA	2009
2:16.07	JIM TUCHLER	USA	2009	9:02.31	STEVEN UNRUH	USA	2012	1:09.08	JAMES CORBEAU	USA	2009
400 M. I.M.				9:03.54	DANIEL MACHEK	CZE	2004	200 M. BRST			
4:43.00	UWE VOLK	GER	2012	9:06.41	MARCO TENDERINI	ITA	2012	2:24.91	V.PYLYPCHENKO	UKR	2009
4:47.01	PETER BERMEL	GER	2007	1500 M. FREE				2:27.79	DAVID GUTHRIE	USA	2008
4:48.32	ALBERTO MONTINI	ITA	2012	16:38.81	JEFF ERWIN	USA	2009	2:33.74	THOMAS LIGL	GER	2006
4:49.42	DENNIS BAKER	USA	2005	16:57.17	RICARDO VALDIVIA	USA	2009	2:34.32	TIMUR PODMAREV	RUS	2006
4:49.62	DARIUSZ WOLNY	POL	2000	16:58.68	MICHAEL KLEIBER	GER	2009	2:34.56	MAKOTO ONODERA	JPN	2012
4:50.74	GUNTER GOTTFRIED	GER	2000	17:10.90	GEORGE TIDMARSH	USA	2005	2:35.03	RICARDO TORRES	PAN	2012
4:50.95	DAVID WARREN	GBR	2012	17:11.41	MICHAEL PRUFERT	GER	2009	2:35.11	GLEN CHRISTIANSEN	SWE	2002
4:50.97	LORENZO BENUCCI	USA	2007	17:12.28	MARCUS MATTIOLI	BRA	2008	2:36.17	RICHARD LOCKHART	NZL	2008
4:51.28	ALEJANDRO MORENO	MEX	2010	17:23.73	CALUM MCKINLAY	GBR	2009	2:36.36	JON BLANK	USA	2006
4:53.03	HESS YNTEMA	USA	1995	17:28.77	BOBBY PATTEN	USA	2009	2:36.48	ERLEND ALSTAD	NOR	2012
*****				17:28.80	B.BORDONALI	ITA	2007	50 M. FLY			
M E N 45-49				17:31.23	TODD BRYAN	USA	1998	25.65	NICHOLAS DECKER	USA	2012
*****				50 M. BACK				25.90	PAUL SMITH	USA	2006
50 M. FREE				28.05	STEVE WOOD	USA	2008	26.03	ANDE RASMUSSEN	USA	2008
24.26	BRENT BARNES	JPN	2004	28.14	ANDE RASMUSSEN	USA	2008	26.12	PAUL CARTER	USA	2002
24.29	PAUL SMITH	USA	2006	28.25	FRITZ BEDFORD	USA	2011	26.23	RICO ROLLI	ITA	2011
24.40	STEVE WOOD	USA	2008	28.32	J CLAY BRITT	USA	2008	26.35	WADE KING	USA	2012
24.50	ANDREA NICOLAO	ITA	2009	28.44	CHRIS STEVENSON	USA	2009	26.38	STEVE HILTABIDDLE	USA	2011
24.50	ANDE RASMUSSEN	USA	2008	28.77	JAY YARID	USA	2008	26.54	ANDREA NICOLAO	ITA	2009
24.63	RICO ROLLI	ITA	2010	28.91	LIONEL CHALENDAR	FRA	2012	26.57	GREGG PRICE	RSA	2008
24.72	METELLO SAVINO	ITA	2008	28.96	HIROYOSHI MAETOGE	JPN	2012	26.59	MIKE VAROZZA	USA	2012
24.74	MARCO COLOMBO	ITA	2005	29.01	CRAIG NORREY	SUI	2006	100 M. FLY			
24.75	GARY SCHATZ	USA	2000	29.02	ANDERS RASMUSSEN	USA	2012	56.42	PAUL CARTER	USA	2002
24.78	ZORAN TANSEK	CRO	2010	100 M. BACK				57.60	PAUL SMITH	USA	2008
100 M. FREE				1:00.13	STEVE WOOD	USA	2008	58.47	C.LUTOTOVICH	ARG	2009
53.77	MARCO COLOMBO	ITA	2005	1:00.55	CHRIS STEVENSON	USA	2009	58.97	NICHOLAS DECKER	USA	2012
53.90	JACK GROSELLE	USA	1999	1:01.71	NICOLAS GRANGER	FRA	2012	59.10	CHRIS STEVENSON	USA	2009
53.94	NICOLAS GRANGER	FRA	2012	1:02.07	J CLAY BRITT	USA	2006	59.20	DENNIS BAKER	USA	2009
54.15	PAUL SMITH	USA	2008	1:02.22	RICH SAEGER	USA	2012	59.38	WILLIAM SPECHT	USA	2003
54.22	JAMES MONTGOMERY	USA	2002	1:02.44	HIROYOSHI MAETOGE	JPN	2012	59.40	ANDERS RASMUSSEN	USA	2009
54.78	STEFAN OPATIL	AUT	2012	1:02.62	FRITZ LEHMAN	USA	2003	59.63	SCOTT CARPENTER	USA	2009
54.79	KEITH SWITZER	USA	2009	1:02.65	FRITZ BEDFORD	USA	2011	59.64	JOHN ENGS	USA	2008
54.83	DAVID BOATWRIGHT	USA	2006	1:02.79	JAY YARID	USA	2008	200 M. FLY			
54.95	STEVE WOOD	USA	2007	1:02.92	MARCO COLOMBO	ITA	2005	2:04.07	DENNIS BAKER	USA	2008
55.13	MARK REYNOLDS	GBR	2008	200 M. BACK				2:08.34	MARCUS MATTIOLI	BRA	2006
200 M. FREE				2:13.37	RICH SAEGER	USA	2012	2:10.97	PAUL CARTER	USA	2002
1:57.89	KEITH SWITZER	USA	2009	2:15.83	CHRIS STEVENSON	USA	2011	2:11.02	WILLIAM SPECHT	USA	2003
1:59.18	NICOLAS GRANGER	FRA	2012	2:15.88	NICOLAS GRANGER	FRA	2012	2:13.69	M.CACCIAMANI	ITA	2011
1:59.34	DENNIS BAKER	USA	2009	2:16.06	PAUL LEMMON	AUS	2012	2:14.63	MIKE SHAFFER	USA	2012
1:59.37	KAI DITZEL	GER	2008	2:16.78	TAIHEI SAKA	JPN	2009	2:14.96	JIM BELARDI	USA	2002
1:59.56	MARCUS MATTIOLI	BRA	2006	2:17.40	MICHAEL SODERLUND	USA	2010	2:15.24	A.LAVEGLIA	ITA	2012
1:59.60	MARCO COLOMBO	ITA	2007	2:17.67	KURT DICKSON	USA	2012	2:16.26	MAURO CAPPELLETTI	ITA	2010
2:00.44	PAUL SMITH	USA	2006	2:18.25	LEN GUSHE	CAN	2008	2:16.41	FRED SCHUSTER	USA	2009
2:00.89	DAN STEPHENSON	USA	2002	2:18.44	STEVE WOOD	USA	2008	200 M. I.M.			
2:01.25	DANIEL MACHEK	CZE	2006	2:18.61	WIESLAW MUSIAL	CAN	2003	2:11.22	NICOLAS GRANGER	FRA	2012
2:01.30	JACK GROSELLE	USA	2002	50 M. BRST				2:14.90	JEROME FRENTSOS	USA	2010
400 M. FREE				29.63	RICO ROLLI	ITA	2011	2:16.12	DENNIS BAKER	USA	2006
4:09.20	DENNIS BAKER	USA	2008	29.70	V.ZAGREBENKO	RUS	2009	2:16.32	TAIHEI SAKA	JPN	2009
4:11.07	KEITH SWITZER	USA	2009	29.90	JENS LUTSCHIN	GER	2009	2:16.93	LORENZO BENUCCI	USA	2012
4:13.86	NICOLAS GRANGER	FRA	2012	30.11	MAKOTO ONODERA	JPN	2012	2:17.04	PAUL LEMMON	AUS	2012
4:14.81	MARCUS MATTIOLI	BRA	2006	30.27	RICHARD SCHROEDER	USA	2006	2:17.21	VLASENKO ALEXEI	RUS	2010
4:16.20	MICHAEL PRUFERT	GER	2009	30.41	GLEN CHRISTIANSEN	SWE	2002	2:18.58	MARCO COLOMBO	ITA	2007
4:18.78	MICHAEL KLEIBER	GER	2009	30.49	V.PYLYPCHENKO	UKR	2009	2:18.61	SERGII FESENKO	UKR	2004
4:18.93	JEFF ERWIN	USA	2009	30.55	FABIO SERVADIO	ITA	2009	2:18.80	EDWIN VAN NORDEN	NED	2009
4:19.34	PAUL LEMMON	AUS	2012	30.59	DAVID GUTHRIE	USA	2008	400 M. I.M.			
4:20.23	DANIEL MACHEK	CZE	2006	30.79	RICHARD LOCKHART	NZL	2008	4:44.76	NICOLAS GRANGER	FRA	2012
4:20.58	STEVEN UNRUH	USA	2012	100 M. BRST				4:47.65	JEROME FRENTSOS	USA	2010
800 M. FREE				1:06.35	V.PYLYPCHENKO	UKR	2009	4:50.27	MARCUS MATTIOLI	BRA	2008
8:42.85	MARCUS MATTIOLI	BRA	2006	1:06.67	RICO ROLLI	ITA	2010	4:50.73	DENNIS BAKER	USA	2006
8:50.06	MICHAEL KLEIBER	GER	2009	1:07.38	DAVID GUTHRIE	USA	2008	4:55.83	TAIHEI SAKA	JPN	2010
8:51.98	JEFF ERWIN	USA	2010	1:08.40	MAKOTO ONODERA	JPN	2012	4:56.92	PAUL LEMMON	AUS	2012
				1:08.56	V.ZAGREBENKO	RUS	2009	4:57.54	A.TIBERTI	ITA	2008



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4:58.10	PATRICK BRUNDAGE	USA	2012	18:04.63	R TOD SPIEKER	USA	1998	2:40.05	WOLFGANG PIRL	GER	2009
4:58.93	VLASENKO ALEXEI	RUS	2010	18:05.24	ANDREW BRAY	USA	2009	2:40.29	PATRICK ALLENDER	USA	2008
4:59.83	DJAN MADRUGA	BRA	2004	18:08.98	K.DELLBRUGGE	GER	2012	2:40.33	THOMAS LIGL	GER	2012
*****				18:11.41	KEITH BERRYHILL	USA	2009	50	M. FLY		
M E N 50-54				18:13.47	JIM CLEMMONS	USA	2002	25.88	PAUL CARTER	USA	2008
*****				50	M. BACK			26.23	TRIP HEDRICK	USA	2004
*****				28.60	STEVE WOOD	USA	2011	26.56	PAUL SMITH	USA	2009
50	M. FREE			28.86	CLAY BRITT	USA	2011	26.80	RAMON VOLCAN	VEN	2009
24.08	BRENT BARNES	JPN	2009	29.43	JAMIE FOWLER	USA	2009	26.83	RICK ABBOTT	USA	2008
24.58	AMBROSE GAINES	USA	2009	29.51	MINAKOV VALERIJS	LAT	2010	27.10	HUGO BREGMAN	NED	2009
24.60	RICHARD ABRAHAMS	USA	1998	29.63	RAMON VOLCAN	VEN	2009	27.12	STEVE WOOD	USA	2012
24.88	RICK ABBOTT	USA	2008	29.70	CRAIG NORREY	SUI	2012	27.12	JOHN FIELDS	USA	2007
24.89	JACK GROSELLE	USA	2004	29.81	TOM WOLF	USA	2004	27.13	RICHARD ABRAHAMS	USA	1998
24.94	TRIP HEDRICK	USA	2006	29.93	GIANNI BERTOLI	ITA	2009	27.30	SAM FRANKLIN	USA	2007
25.03	GARY SCHATZ	USA	2005	29.95	JOHN VAN BUUREN	CAN	2004	27.30	GREG SHAW	USA	2005
25.21	PAUL SMITH	USA	2009	30.03	SCOTT SHAKE	USA	2008	100	M. FLY		
25.25	STEVE WOOD	USA	2011	100	M. BACK			57.23	PAUL CARTER	USA	2008
25.29	MICHAEL SODERLUND	USA	2012	1:01.89	STEVE WOOD	USA	2011	59.49	TRIP HEDRICK	USA	2004
100	M. FREE			1:02.93	JAMIE FOWLER	USA	2009	59.67	HUGO BREGMAN	NED	2009
54.61	AMBROSE GAINES	JPN	2011	1:03.44	MINAKOV VALERIJS	LAT	2010	59.87	MARCUS MATTIOLI	BRA	2010
54.93	JACK GROSELLE	USA	2004	1:03.83	MICHAEL SODERLUND	USA	2012	1:00.55	WILLIAM SPECHT	USA	2009
54.94	BOB BUGG	USA	2009	1:04.70	GIANNI BERTOLI	ITA	2009	1:01.43	JOHN VAN BUUREN	CAN	2004
55.11	DAN STEPHENSON	USA	2007	1:04.83	TOM WOLF	USA	2004	1:01.63	PAUL BLACKBEARD	RSA	2008
55.13	RICK ABBOTT	USA	2008	1:04.96	CRAIG NORREY	SUI	2012	1:01.64	JOHN PHILLIPS	USA	2009
55.38	TRIP HEDRICK	USA	2006	1:05.02	RICK ABBOTT	USA	2008	1:01.79	GREG SHAW	USA	2003
55.42	PAUL SMITH	USA	2009	1:05.08	CLAY BRITT	USA	2011	1:01.93	JOHN MCCALL	USA	2003
55.49	STEVE WOOD	USA	2012	1:05.81	SCOTT SHAKE	USA	2008	200	M. FLY		
55.93	DAVID BOATWRIGHT	USA	2012	200	M. BACK			2:13.39	MARCUS MATTIOLI	BRA	2010
55.97	MICHAEL SODERLUND	USA	2012	2:17.57	MICHAEL SODERLUND	USA	2012	2:13.80	DENNIS BAKER	USA	2011
200	M. FREE			2:17.74	JAMIE FOWLER	USA	2009	2:15.06	HUGO BREGMAN	NED	2009
2:00.34	DAN STEPHENSON	USA	2007	2:20.51	TOM WOLF	USA	2004	2:18.57	PAUL CARTER	USA	2008
2:01.40	BOB BUGG	USA	2009	2:21.85	DJAN MADRUGA	BRA	2010	2:19.16	FRANCIS CHRISTIAN	AUS	2008
2:02.14	MARCUS MATTIOLI	BRA	2012	2:22.26	SCOTT SHAKE	USA	2009	2:19.35	JOSEPH RHYNE	USA	2009
2:02.50	JIM MCCONICA	USA	2000	2:22.55	STEVE WOOD	USA	2011	2:20.46	WILLIAM SPECHT	USA	2009
2:03.51	AMBROSE GAINES	JPN	2010	2:22.62	WIESLAW MUSIAL	CAN	2008	2:21.28	ARNALDO PEREZ	PUR	2012
2:03.66	JACK GROSELLE	USA	2004	2:24.55	MINAKOV VALERIJS	LAT	2010	2:21.40	SCOTT LAUTMAN	USA	2004
2:03.95	MICHAEL SODERLUND	USA	2012	2:25.15	DARIUSZ WOLNY	POL	2010	2:22.29	LAWRENCE DAY	USA	2001
2:04.34	DANIEL MACHEK	CZE	2009	2:25.57	BOB BUGG	USA	2009	200	M. I.M.		
2:05.01	EDGARS OZOLINS	LAT	2009	50	M. BRST			2:18.05	JAMIE FOWLER	USA	2009
2:05.07	FRANCIS CHRISTIAN	AUS	2008	30.88	RICHARD SCHROEDER	USA	2012	2:19.79	MARCUS MATTIOLI	BRA	2010
400	M. FREE			30.97	OLIVIER BORIOS	FRA	2009	2:20.02	MICHAEL MANN	USA	2008
4:16.61	DAN STEPHENSON	USA	2007	30.97	GARY PATTERSON	USA	2009	2:20.99	KEN SHILLING	USA	2008
4:19.47	JIM MCCONICA	USA	2000	31.05	DAVID GUTHRIE	USA	2012	2:23.06	LORENZO MARUGO	ITA	2004
4:20.27	MARCUS MATTIOLI	BRA	2010	31.37	DOUG MALCOLM	USA	2007	2:23.45	RICK COLELLA	USA	2001
4:20.71	BOB BUGG	USA	2009	31.50	GLEN CHRISTIANSEN	SWE	2009	2:23.86	JACK GROSELLE	USA	2005
4:22.79	JOSEPH RHYNE	USA	2009	31.64	ANDREA FLORIT	ITA	2010	2:23.88	TOM WOLF	USA	2004
4:24.31	DANIEL MACHEK	CZE	2009	31.96	RONNY OLTNER	SWE	2007	2:24.12	DJAN MADRUGA	BRA	2010
4:24.41	FRANCIS CHRISTIAN	AUS	2008	32.01	LORENZO MERLI	ITA	2009	2:24.13	SERGEY MOLODIN	RUS	2012
4:27.07	MARK DRENNEN	USA	2006	32.09	RASTISLAV PAVLIK	SVK	2011	400	M. I.M.		
4:27.91	MICHAEL MANN	USA	2008	100	M. BRST			4:53.69	MARCUS MATTIOLI	BRA	2010
4:29.35	DJAN MADRUGA	BRA	2009	1:09.07	DAVID GUTHRIE	USA	2012	5:03.27	LORENZO MARUGO	ITA	2004
800	M. FREE			1:09.23	RICHARD SCHROEDER	USA	2012	5:03.76	DJAN MADRUGA	BRA	2010
8:55.05	MARCUS MATTIOLI	BRA	2010	1:09.36	GARY PATTERSON	USA	2009	5:04.32	JAMIE FOWLER	USA	2009
9:03.84	JIM MC CONICA	USA	2001	1:10.09	GLEN CHRISTIANSEN	SWE	2009	5:05.82	RICK COLELLA	USA	2001
9:06.61	DAN STEPHENSON	USA	2007	1:11.45	ANDREA FLORIT	ITA	2010	5:06.14	DENNIS BAKER	USA	2012
9:11.84	BOB BUGG	USA	2009	1:11.49	JACK GROSELLE	USA	2004	5:06.60	HUGO BREGMAN	NED	2009
9:13.23	DANIEL MACHEK	CZE	2009	1:11.55	TIMUR PODMAREV	RUS	2007	5:07.52	JIM MCCONICA	USA	2002
9:13.39	JOSEPH RHYNE	USA	2009	1:11.59	DOUG MALCOLM	USA	2007	5:10.32	MICHAEL MANN	USA	2006
9:13.68	MARK DRENNEN	USA	2006	1:11.90	ROBERT STRAND	USA	1998	5:10.51	ARNALDO PEREZ	PUR	2012
9:14.23	LORENZO MARUGO	ITA	2004	1:11.94	DAVE MILBURN	GBR	2012	*****			
9:16.34	ARNALDO PEREZ	PUR	2012	200	M. BRST			M E N 55-59			
9:17.51	FRANCIS CHRISTIAN	AUS	2008	2:32.55	DAVID GUTHRIE	USA	2012	*****			
1500	M. FREE			2:34.70	TIMUR PODMAREV	RUS	2007	*****			
17:08.33	JIM MCCONICA	USA	2000	2:35.08	LORENZO MARUGO	ITA	2004	50	M. FREE		
17:34.04	MARCUS MATTIOLI	BRA	2011	2:37.77	DAVE MILBURN	GBR	2012	25.01	JACK GROSELLE	USA	2009
17:40.70	MARK DRENNEN	USA	2006	2:39.08	RICK COLELLA	USA	2001	25.31	MIKE TENNANT	USA	2008
17:52.24	LORENZO MARUGO	ITA	2004	2:39.43	PODMAREV TIMUR	RUS	2010	25.53	RICHARD ABRAHAMS	USA	2002
18:00.54	FRANCIS CHRISTIAN	AUS	2007	2:39.51	ANDREA FLORIT	ITA	2010	25.59	DOUG MARTIN	USA	2009



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25.74	PAUL TREVISAN	USA	2006	30.90	JONATHAN KLEIN	USA	2012	28.05	BOB BUGG	USA	2012
25.98	BARRY ROTH	USA	2009	31.10	KIERAN KELLEHER	ITA	2003	28.17	JOHN FIELDS	USA	2012
25.99	LEONARD BIELICZ	SWE	2007	31.21	WES EDWARDS	USA	2008	100 M.	FLY		
26.00	JOHN FIELDS	USA	2012	31.22	RICHARD BOBER	USA	2006	1:00.56	PAUL CARTER	USA	2012
26.04	TERRY DOWNES	RSA	2004	100 M.	BACK			1:01.05	GREG SHAW	USA	2006
26.11	STEVE BOROWSKI	USA	2002	1:05.46	TOM BARTON	USA	2011	1:01.83	BRAD HORNER	USA	2009
100 M.	FREE			1:06.14	GARY HALL	USA	2009	1:03.24	LEONARD BIELICZ	SWE	2006
56.08	JACK GROSELLE	USA	2009	1:07.29	TIMOTHY SHEAD	RSA	2008	1:03.33	BOB BUGG	USA	2012
57.08	MICHAEL MANN	USA	2009	1:07.48	JONATHAN KLEIN	USA	2012	1:03.90	RICHARD ABRAHAMS	USA	2000
57.60	BRAD HORNER	USA	2009	1:07.81	HUGH WILDER	USA	2002	1:03.95	SCOTT LAUTMAN	USA	2008
57.76	BOB BUGG	USA	2012	1:08.20	WES EDWARDS	USA	2008	1:04.15	STEVE BOROWSKI	USA	2003
57.83	CHARLES LEMAISTRE	USA	2009	1:08.21	PHILIPP DJANG	USA	2009	1:04.19	JOHN MARCH	AUS	2008
57.85	ALEXANDER MILLS	NOR	2006	1:08.34	MARIO LLORET	ESP	2012	1:04.45	JIM SAUER	USA	2012
58.07	PAUL TREVISAN	USA	2006	1:08.55	RICHARD BOBER	USA	2006	200 M.	FLY		
58.15	DAN STEPHENSON	USA	2012	1:08.89	ANDRE STEYNBERG	RSA	2012	2:18.97	BRAD HORNER	USA	2009
58.15	DOUG MARTIN	USA	2009	200 M.	BACK			2:25.35	GREG SHAW	USA	2006
58.18	MIKE TENNANT	USA	2008	2:23.84	TOM BARTON	USA	2011	2:26.37	SCOTT LAUTMAN	USA	2008
200 M.	FREE			2:25.89	JIM MC CONICA	USA	2005	2:27.22	JOHN MARCH	AUS	2008
2:04.01	MICHAEL MANN	USA	2009	2:27.49	FRED FERROGGIARO	USA	2008	2:27.59	FRANCIS CHRISTIAN	AUS	2012
2:05.82	JACK GROSELLE	USA	2009	2:28.85	WIESLAW MUSIAL	CAN	2012	2:27.65	JIM SAUER	USA	2012
2:06.26	DAN STEPHENSON	USA	2012	2:29.60	JOHN MARCH	AUS	2008	2:28.62	JIM MC CONICA	USA	2006
2:08.03	JIM MC CONICA	USA	2005	2:29.67	WES EDWARDS	USA	2008	2:31.06	TIMUR PODMARYOV	RUS	2012
2:08.40	BOB BUGG	USA	2012	2:30.02	PHILIPP DJANG	USA	2009	2:31.29	PATRICK BERGER	FRA	2009
2:08.67	BRAD HORNER	USA	2009	2:30.26	JIM ADAMS	IRL	2007	2:31.58	JOHN CRAIG	USA	2009
2:08.85	JAMES RITTER	USA	2012	2:30.82	R TOD SPIEKER	USA	2003	200 M.	I.M.		
2:09.25	PHIL DODSON	USA	2008	2:30.84	TIM BIRNIE	USA	2000	2:20.83	MICHAEL MANN	USA	2009
2:09.54	BILL DEVENISH	AUS	2008	50 M.	BRST			2:24.12	RICK COLELLA	USA	2008
2:10.11	ALEXANDER MILLS	NOR	2006	31.05	WALTER KUSCH	GER	2009	2:24.16	TIMOTHY SHEAD	RSA	2008
400 M.	FREE			32.07	TIMOTHY SHEAD	RSA	2008	2:25.84	JIM SAUER	USA	2012
4:22.49	MICHAEL MANN	USA	2009	32.23	GLEN CHRISTIANSEN	SWE	2012	2:27.18	PAUL CARTER	USA	2012
4:25.34	JIM MC CONICA	USA	2005	32.44	JACK GROSELLE	USA	2009	2:27.60	GREG SHAW	USA	2006
4:32.87	DAN STEPHENSON	USA	2012	32.72	STUART ELLICOTT	AUS	2009	2:27.92	ALEXANDER MILLS	NOR	2006
4:33.42	STEVE PRESCOTT	NZL	2009	32.74	RANDY PARKER	USA	2009	2:28.12	JACK GROSELLE	USA	2009
4:37.94	J.CHATARD	FRA	2006	32.92	G.HOFFMANN	USA	2011	2:29.02	JIM MCCONICA	USA	2005
4:38.19	BOB BUGG	USA	2012	33.03	ALEXANDER MILLS	NOR	2006	2:29.37	ROBERT WEYHENKE	NED	2007
4:38.81	R TOD SPIEKER	USA	2003	33.03	HIROSHI KOTEGAWA	JPN	1993	400 M.	I.M.		
4:39.19	BILL DEVENISH	AUS	2008	33.32	ROBERT STRAND	USA	2002	5:04.07	MICHAEL MANN	USA	2009
4:39.38	MARCO BRAVI	ITA	2012	100 M.	BRST			5:12.72	JIM SAUER	USA	2012
4:39.56	R SCOTT TOWNSEND	USA	2009	1:11.13	TIMOTHY SHEAD	RSA	2008	5:17.10	JIM MC CONICA	USA	2005
800 M.	FREE			1:12.85	WALTER KUSCH	GER	2009	5:26.63	JOHN CALVERT	USA	2000
9:00.09	MICHAEL MANN	USA	2009	1:12.87	G.HOFFMANN	USA	2011	5:26.70	DAN STEPHENSON	USA	2012
9:06.86	JIM MCCONICA	USA	2006	1:13.11	JACK GROSELLE	USA	2009	5:27.46	MARC JOUANDON	FRA	2012
9:22.02	STEVE PRESCOTT	NZL	2009	1:13.37	TIMUR PODMARYOV	RUS	2012	5:27.57	RONALD ARMSTRONG	CAN	2006
9:35.87	TODD BRYAN	USA	2006	1:13.42	GLEN CHRISTIANSEN	SWE	2012	5:27.62	FRANKLIN HALLEY	USA	2012
9:37.49	J.CHATARD	FRA	2006	1:14.21	RANDY PARKER	USA	2009	5:28.27	JACK GROSELLE	USA	2009
9:40.68	R TOD SPIEKER	USA	2003	1:14.30	RICK COLELLA	USA	2008	5:30.36	JIM CLEMMONS	USA	2009
9:41.52	DAN STEPHENSON	USA	2012	1:14.47	RALPH SCHALLON	SUI	2009				
9:42.16	R SCOTT TOWNSEND	USA	2009	1:14.80	ROBERT STRAND	USA	2001				
9:42.53	SERGE GUERIN	FRA	2012	200 M.	BRST			*****			
9:43.93	JIM CLEMMONS	USA	2005	2:38.66	RICK COLELLA	USA	2008	M E N 60-64			
1500 M.	FREE			2:39.28	TIMUR PODMARYOV	RUS	2012	*****			
17:22.61	MICHAEL MANN	USA	2009	2:41.54	TIMOTHY SHEAD	RSA	2008	50 M.	FREE		
17:40.10	JIM MC CONICA	USA	2005	2:42.88	G.HOFFMANN	USA	2011	25.23	RICHARD ABRAHAMS	USA	2006
18:19.49	STEVE PRESCOTT	NZL	2009	2:43.68	GLEN CHRISTIANSEN	SWE	2012	25.85	VINCENZO DE SIO	ITA	2008
18:21.59	MARC JOUANDON	FRA	2012	2:44.22	RALPH SCHALLON	SUI	2009	26.70	JEFF FARRELL	USA	1998
18:35.85	J.CHATARD	FRA	2006	2:45.61	PETER KAUCH	GER	2012	26.75	MARC MIDDLETON	USA	2012
18:42.92	MARK DRENNEN	USA	2011	2:45.87	LORENZO MARUGO	ITA	2007	26.78	LEONARD BIELICZ	SWE	2012
18:43.42	LARRY WOOD	USA	2009	2:46.31	ROBERT STRAND	USA	2001	26.94	JAMES ELDER	USA	2006
18:44.38	GEORGE KEENAN	USA	2009	2:49.48	ROBERT WEYHENKE	NED	2007	27.02	JAMES DE LACY	USA	2006
18:45.20	RICK WALKER	USA	2005	50 M.	FLY			27.04	THOMAS WHATLEY	USA	2012
18:51.75	JOEL KRIGER	BRA	2009	26.86	GARY HALL	USA	2009	27.07	TATE HOLT	USA	2011
50 M.	BACK			27.08	GREG SHAW	USA	2007	27.13	FUMIO SHIGENO	JPN	2009
30.01	TOM BARTON	USA	2011	27.31	PAUL CARTER	USA	2012	100 M.	FREE		
30.09	GARY HALL	USA	2009	27.43	RICHARD ABRAHAMS	USA	2002	58.61	RICHARD ABRAHAMS	USA	2005
30.48	ANDRE STEYNBERG	RSA	2012	27.49	DAVID HAGUE	USA	2009	59.66	JAMES DE LACY	USA	2006
30.78	HUGH WILDER	USA	2004	27.64	DOUG MARTIN	USA	2009	1:00.11	JEFF FARRELL	USA	1998
30.79	ALISTAIR COCKBURN	USA	2008	27.77	TRIP HEDRICK	USA	2012	1:00.27	DAVID QUIGGIN	USA	2004
30.83	PHILIPP DJANG	USA	2009	27.80	STEVE BOROWSKI	USA	2003	1:00.71	TERRY DOWNES	RSA	2009
								1:00.96	LEONARD BIELICZ	SWE	2012



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1:01.02 GRAHAM CROFT	AUS 2008	1:13.17 JIM MC CONICA	USA 2011	200 M. FLY	
1:01.03 GERHARD SCHILLER	GER 2009	1:13.32 ALAIN VANACKER	FRA 2012	2:29.05 LAWRENCE DAY	USA 2011
1:01.23 TIM BRODERICK	USA 2011	200 M. BACK		2:31.58 FRED SCHLICHER	USA 2008
1:01.25 KEEFE LODWIG	USA 2003	2:33.94 JIM MC CONICA	USA 2012	2:33.72 ROBERT POILETMAN	USA 2003
200 M. FREE		2:34.00 TIMOTHY SHEAD	RSA 2012	2:35.33 SCOTT LAUTMAN	USA 2012
2:12.57 JIM MC CONICA	USA 2010	2:37.20 STEVEN HECK	USA 2009	2:40.12 JEAN LESTIDEAU	FRA 2008
2:12.69 FRED SCHLICHER	USA 2008	2:37.55 ROBERT WEYHENKE	NED 2012	2:44.60 GEORGE JACOBSON	CAN 2012
2:13.32 JAMES DE LACY	USA 2006	2:39.01 JOHN CALVERT	USA 2006	2:45.19 IAN YOUNG	AUS 2012
2:13.94 GRAHAM CROFT	AUS 2008	2:39.36 PETER O'BRIEN	CAN 2009	2:45.28 KOJI IWAMOTO	JPN 2002
2:15.35 DUNCAN MCCREADIE	FRA 2006	2:39.50 BARRY YOUNG	NZL 2002	2:46.06 DEREK PARR	GBR 2006
2:17.01 TERRY DOWNES	RSA 2009	2:39.96 FRANK LORGE	USA 2010	2:47.35 JOEL BURNS	USA 2009
2:17.43 TOM LANDIS	USA 2002	2:41.27 RICHARD BURNS	USA 2006	200 M. I.M.	
2:17.53 JAMES THORNTON	USA 2012	2:41.51 EDWARD CAZALET	USA 2003	2:30.05 TIMOTHY SHEAD	USA 2012
2:18.39 LONNY HARRISON	USA 2008	50 M. BRST		2:30.72 FRED SCHLICHER	USA 2008
2:18.52 RICHARD ABRAHAMS	USA 2006	32.80 STUART ELLICOTT	AUS 2012	2:32.63 TIM BRODERICK	USA 2011
400 M. FREE		32.87 TIMOTHY SHEAD	USA 2012	2:32.65 LAWRENCE DAY	USA 2011
4:40.00 JIM MC CONICA	USA 2012	33.41 ROBERT STRAND	USA 2008	2:34.23 SCOTT WEYHENKE	NED 2012
4:48.25 GRAHAM CROFT	AUS 2008	34.25 C.STARZEC	FRA 2011	2:34.86 STEVEN HECK	USA 2009
4:49.83 GEORGE WENDT	USA 2008	34.28 TOSHIHARU FUJII	JPN 2010	2:35.15 LORENZO MARUGO	ITA 2012
4:51.23 DUNCAN MCCREADIE	GBR 2005	34.35 DIETER HOEFEL	GER 2009	2:36.07 JOHN CALVERT	USA 2006
4:52.10 RICK WALKER	USA 2010	34.36 ROBERT WRIGHT	USA 2011	2:36.60 JIM CLEMMONS	USA 2010
4:52.88 LORENZO MARUGO	ITA 2012	34.42 PETER ANDERSEN	USA 2003	2:38.55 ABED OUADAH	FRA 2012
4:54.79 CHRIS DUNN	GBR 2006	34.59 AKIO SUGIYAMA	JPN 1995	400 M. I.M.	
4:55.64 FRANK MCELROY	USA 2009	34.61 PETER HAARSTICK	GER 2012	5:11.73 RICK COLELLA	USA 2012
4:57.03 SANDY GALLETTY	GBR 2002	100 M. BRST		5:28.25 LAWRENCE DAY	USA 2011
4:57.40 J-C CHATARD	FRA 2012	1:14.14 TIMOTHY SHEAD	USA 2012	5:29.55 LORENZO MARUGO	ITA 2012
800 M. FREE		1:14.31 RICK COLELLA	USA 2012	5:30.46 TIMOTHY SHEAD	USA 2012
9:35.50 JIM MC CONICA	USA 2012	1:15.42 ROBERT STRAND	USA 2008	5:30.99 FRED SCHLICHER	USA 2008
9:55.71 LORENZO MARUGO	ITA 2012	1:15.50 STUART ELLICOTT	AUS 2012	5:37.64 JIM CLEMMONS	USA 2010
10:02.40 DUNCAN MCCREADIE	GBR 2005	1:16.53 TOSHIHARU FUJII	JPN 2010	5:40.42 J.LESTIDEAU	FRA 2007
10:06.75 SANDY GALLETTY	GBR 2002	1:16.83 ALLEN STARK	USA 2009	5:41.07 JOHN CALVERT	USA 2006
10:06.76 RICK WALKER	USA 2010	1:17.27 ROBERT WRIGHT	USA 2010	5:43.77 GEORGE WENDT	USA 2008
10:06.94 GRAHAM CROFT	AUS 2008	1:17.50 KENNETH FROST	USA 2007	5:46.05 DUNCAN MCCREADIE	GBR 2005
10:09.12 JOHN CALVERT	USA 2006	1:18.28 ALBERT KOSTITSYN	FIN 2002		
10:12.12 BEN VAN DYKE	NZL 2010	1:18.30 GERSHON SHEFA	ISR 2007	*****	
10:13.59 JIM CLEMMONS	USA 2010	200 M. BRST		M E N 65-69	
10:15.35 STEVE JOHNSON	USA 2008	2:42.84 RICK COLELLA	USA 2012	*****	
1500 M. FREE		2:45.67 LORENZO MARUGO	ITA 2012	50 M. FREE	
18:12.09 JIM MC CONICA	USA 2010	2:45.71 TIMOTHY SHEAD	USA 2012	26.33 RICHARD ABRAHAMS	USA 2010
19:07.93 GEORGE WENDT	USA 2008	2:50.44 ALLEN STARK	USA 2011	27.15 JEFF FARRELL	USA 2002
19:16.50 BEN VAN DYKE	NZL 2010	2:50.77 ROBERT STRAND	USA 2008	27.31 VINUS VAN BAALEN	USA 2007
19:25.68 SANDY GALLETTY	GBR 2002	2:51.07 ROBERT WRIGHT	USA 2011	27.37 KEEFE LODWIG	USA 2008
19:26.67 DUNCAN MCCREADIE	GBR 2005	2:52.51 TOSHIHARU FUJII	JPN 2010	27.50 IAN SMITH	CAN 2009
19:40.20 VITTORIO ERMIRIO	ITA 2002	2:53.17 JIM CLEMMONS	USA 2010	27.60 DAVID QUIGGIN	USA 2009
19:41.37 RICK WALKER	USA 2012	2:55.26 GERSHON SHEFA	ISR 2004	27.63 JAMES ELDER	USA 2008
19:50.21 D.UIJTENBOGAART	NED 2009	2:55.49 KENNETH FROST	USA 2006	27.65 ROBERT SMITH	USA 2008
19:53.86 STEVE JOHNSON	USA 2008	50 M. FLY		27.67 BRYAN BATEMAN	USA 2012
19:57.62 J CHATARD	FRA 2012	27.92 RICHARD ABRAHAMS	USA 2005	27.85 JIM DRAGON	USA 2009
50 M. BACK		28.55 DINO BERNARDI	ITA 2008	100 M. FREE	
31.46 HUGH WILDER	USA 2007	28.69 GREG SHAW	USA 2012	1:00.38 RICHARD ABRAHAMS	USA 2010
31.77 MARC MIDDLETON	USA 2011	28.79 JOEL BURNS	USA 2007	1:01.05 DAVID QUIGGIN	USA 2009
32.11 RICHARD BURNS	USA 2003	28.83 LAWRENCE DAY	USA 2011	1:01.30 KEEFE LODWIG	USA 2009
32.20 TIMOTHY SHEAD	USA 2012	28.87 MARC MIDDLETON	USA 2011	1:02.62 TOM LANDIS	USA 2008
32.55 STEVEN HECK	USA 2009	28.97 JIM DRAGON	USA 2006	1:02.79 JEFF FARRELL	USA 2002
32.58 YURY CHIRKOV	RUS 2009	29.20 DON MEHL	USA 2012	1:02.81 IAN SMITH	CAN 2009
32.62 TAKEO HIRAMOTO	JPN 2012	29.22 JOSEP CLARET	ESP 2004	1:02.84 JAMES ELDER	USA 2008
32.66 PETER O'BRIEN	CAN 2009	29.23 KEEFE LODWIG	USA 2003	1:02.93 CAV CAVANAUGH	USA 2001
32.66 TIM BIRNIE	USA 2006	100 M. FLY		1:02.94 HUGH WILDER	USA 2012
32.76 J.LESTIDEAU	FRA 2006	1:03.03 RICHARD ABRAHAMS	USA 2005	1:03.01 RICHARD BURNS	USA 2008
100 M. BACK		1:03.98 FRED SCHLICHER	USA 2008	200 M. FREE	
1:08.77 HUGH WILDER	USA 2007	1:05.82 LAWRENCE DAY	USA 2011	2:18.53 TOM LANDIS	USA 2008
1:11.18 TIMOTHY SHEAD	USA 2012	1:06.52 KEVIN MCCORMACK	USA 2012	2:20.37 DAVID QUIGGIN	USA 2009
1:11.89 RICHARD BURNS	USA 2006	1:06.63 ROBERT POILETMAN	USA 2003	2:21.74 ROBERTO ALBERICHE	ESP 1996
1:11.94 PETER O'BRIEN	CAN 2009	1:06.65 JOEL BURNS	USA 2009	2:22.18 GRAHAM JOHNSTON	USA 1996
1:12.25 YURY CHIRKOV	RUS 2009	1:07.15 GREG SHAW	USA 2012	2:22.26 KEEFE LODWIG	USA 2009
1:12.62 JOZSEF CSIKANY	HUN 2006	1:07.36 SCOTT LAUTMAN	USA 2012	2:22.51 RICHARD BURNS	USA 2009
1:12.90 TIM BIRNIE	USA 2006	1:07.48 LEONARD BIELICZ	SWE 2012	2:22.72 CHRIS DUNN	GBR 2012
1:13.12 STEVEN HECK	USA 2010	1:07.98 SHIGEO ASANO	JPN 2008	2:22.90 JEFF FARRELL	USA 2002



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2012)

2:23.84	CAV CAVANAUGH	USA	2001	50 M. BRST		2:44.44	GERSHON SHEFA	ISR	2008		
2:24.19	RUDOLF SMERDA	CZE	2008	34.61	OSAMU MAEDA	JPN	2009	2:45.17	BARRY YOUNG	NZL	2004
400 M. FREE				34.66	ROBERT STRAND	USA	2012	2:45.64	J.LESTIDEAU	FRA	2011
5:00.26	TOM LANDIS	USA	2007	35.00	KENNETH FROST	USA	2009	2:45.64	BERND HORSTMANN	GER	2009
5:01.81	FABRIZIO MOMONI	ITA	2003	35.30	JIM DRAGON	USA	2009	2:48.63	TOM LANDIS	USA	2007
5:03.36	GRAHAM JOHNSTON	USA	1996	35.56	YOSHIHIKO OSAKI	JPN	2004	2:49.61	KOJI IWAMOTO	JPN	2009
5:03.77	CHRIS DUNN	GBR	2011	35.60	PETER ANDERSEN	USA	2009	2:49.70	JOHN CALVERT	USA	2012
5:06.57	DAVID QUIGGIN	USA	2009	35.91	DAVID GILDEA	USA	2009	2:49.71	ROBERTO ALBERICHE	ESP	1996
5:07.62	ROBERTO ALBERICHE	ESP	1996	36.20	YOSHITADA MAEDA	JPN	2011	2:50.11	KENNETH FROST	USA	2009
5:07.64	GEORGE WENDT	USA	2012	36.25	DIETER HOEFEL	GER	2010	400 M. I.M.			
5:08.44	DON DAVIS	USA	2009	36.30	RICHARD TODD	USA	2008	5:52.50	GEORGE WENDT	USA	2012
5:13.29	CARLOS CANEPA	PER	2008	100 M. BRST		5:52.79	BARRY YOUNG	NZL	2004		
5:13.78	MOSHE GERTEL	ISR	2012	1:18.11	KENNETH FROST	USA	2009	5:55.49	GERSHON SHEFA	ISR	2008
800 M. FREE				1:18.87	ROBERT STRAND	USA	2012	6:03.31	TOM LANDIS	USA	2007
10:25.94	TOM LANDIS	USA	2007	1:19.89	DAVID GILDEA	USA	2009	6:04.24	J.LESTIDEAU	FRA	2012
10:26.60	FABRIZIO MOMONI	ITA	2003	1:21.25	OSAMU MAEDA	JPN	2009	6:05.15	ROBERTO ALBERICHE	ESP	1996
10:29.26	GRAHAM JOHNSTON	USA	1997	1:21.75	GERSHON SHEFA	ISR	2008	6:08.44	GRAHAM JOHNSTON	USA	1996
10:47.16	CHRIS DUNN	GBR	2011	1:22.37	DIETER HOEFEL	GER	2010	6:11.64	RICHARD BURNS	USA	2009
10:47.48	GEORGE WENDT	USA	2012	1:22.77	DIETER HOEFEL	GER	2012	6:11.78	MIKE FRESHLEY	USA	2006
10:50.84	DAVID HARRISON	USA	2002	1:22.82	RICHARD TODD	USA	2008	6:14.16	VICTOR PAUL	AUS	2011
10:50.86	DON DAVIS	USA	2009	1:22.86	SEIKO OKAZAKI	JPN	2011				
10:51.42	CARLOS CANEPA	PER	2008	1:22.89	ALBERT KOSTITSYN	FIN	2007	*****			
10:51.93	VICTOR PAUL	AUS	2009	200 M. BRST				M E N 70-74			
10:56.12	JOACHIM HINTZE	GER	2008	2:58.13	ROBERT STRAND	USA	2012	*****			
1500 M. FREE				2:59.54	KENNETH FROST	USA	2009	50 M. FREE			
20:00.97	TOM LANDIS	USA	2008	2:59.99	GERSHON SHEFA	ISR	2008	28.35	IAN SMITH	CAN	2011
20:04.28	GEORGE WENDT	USA	2012	3:02.13	MICHAEL MOLONEY	AUS	2004	28.46	WOLFRAM GOTTFRIED	GER	2004
20:08.74	FABRIZIO MOMONI	ITA	2004	3:02.85	RICHARD TODD	USA	2008	28.53	JEFF FARRELL	USA	2007
20:16.54	GRAHAM JOHNSTON	USA	1996	3:04.10	YOSHIAKI AOKI	JPN	2005	28.65	CAV CAVANAUGH	USA	2005
20:23.74	CHRIS DUNN	GBR	2012	3:04.40	NORIAKI TSUJI	JPN	2011	28.66	RONALD JOHNSON	USA	2001
20:27.72	VICTOR PAUL	AUS	2009	3:05.48	GEORGE WENDT	USA	2012	28.85	PETER BERGENGREN	SWE	2008
20:40.69	J.LESTIDEAU	FRA	2012	3:06.08	THOMAS WALKER	GBR	2002	28.94	B.SCHLURIKE	GER	1991
20:58.00	JOACHIM HINTZE	GER	2008	3:06.44	DAVID GILDEA	USA	2009	29.32	HELMUT RICHTER	GER	2009
21:00.77	DAVID HARRISON	USA	2003	50 M. FLY				29.43	DONALD HILL	USA	2002
21:12.01	RAYMOND STOKES	GBR	2004	28.54	JOSEP CLARET	ESP	2009	29.44	H.TAKAHASHI	JPN	2007
50 M. BACK				28.68	KEEFE LODWIG	USA	2008	100 M. FREE			
30.95	HUGH WILDER	USA	2012	28.69	JIM DRAGON	USA	2009	1:05.40	CAV CAVANAUGH	USA	2005
32.19	RICHARD BURNS	USA	2009	29.25	RICHARD ABRAHAMS	USA	2010	1:05.81	WOLFRAM GOTTFRIED	GER	2002
33.50	BERND HORSTMANN	GER	2008	30.13	ROBERT OLSON	USA	2009	1:06.18	RONALD JOHNSON	USA	2001
33.54	YOSHI OYAKAWA	USA	1999	30.23	BORIS RUZHITSKY	RUS	2009	1:06.27	IAN SMITH	CAN	2011
33.58	VINUS VAN BAALEN	USA	2007	30.33	TOMOYASU IIDA	JPN	2006	1:06.47	DAVID RADCLIFF	USA	2005
33.72	JOZSEF CSIKANY	HUN	2008	30.51	DAVID QUIGGIN	USA	2009	1:06.62	MASATO YOSHINO	JPN	2009
33.87	ROBERT SMITH	USA	2008	30.53	BERND SCHRODER	GER	2009	1:07.17	TOM LANDIS	USA	2012
34.07	LUIZ FIGUEIREDO	BRA	2007	30.65	HUGH WILDER	USA	2012	1:07.36	GRAHAM JOHNSTON	USA	2001
34.17	J.LESTIDEAU	FRA	2011	100 M. FLY				1:07.55	HIROSHI MARUYAMA	JPN	2012
34.38	ALEXANDER KRYUKOV	RUS	2009	1:07.34	RICHARD ABRAHAMS	USA	2010	1:07.73	JEFF FARRELL	USA	2009
100 M. BACK				1:07.78	JOSEP CLARET	ESP	2009	200 M. FREE			
1:09.79	HUGH WILDER	USA	2012	1:09.60	ROBERT POILETMAN	USA	2009	2:26.20	DAVID RADCLIFF	USA	2008
1:11.32	RICHARD BURNS	USA	2009	1:10.22	BORIS RUZHITSKIY	RUS	2009	2:28.37	CAV CAVANAUGH	USA	2005
1:13.82	BERND HORSTMANN	GER	2009	1:10.80	DEREK PARR	GBR	2009	2:28.42	TOM LANDIS	USA	2012
1:14.96	JOZSEF CSIKANY	HUN	2009	1:11.24	CLARET JOSEP	ESP	2012	2:29.45	GRAHAM JOHNSTON	USA	2001
1:15.69	LUIZ FIGUEIREDO	BRA	2006	1:12.78	BARRY YOUNG	NZL	2004	2:30.11	KARL-LUDWIG REHN	GER	2010
1:16.78	YOSHI OYAKAWA	USA	1999	1:12.93	TOMOYASU IIDA	JPN	2006	2:31.76	MASATO YOSHINO	JPN	2010
1:17.23	BARRY YOUNG	NZL	2006	1:13.11	BERND SCHRODER	GER	2009	2:32.48	DAVID HARRISON	USA	2007
1:17.36	MIKLOS KOVATS	HUN	2005	1:13.19	AKIRA TAKAKURA	JPN	2006	2:32.49	JOHN CRISP	AUS	2005
1:17.47	ALEXANDER KRYUKOV	RUS	2009	200 M. FLY				2:32.94	WERNER SCHNABEL	GER	2006
1:17.50	ROBERT SMITH	USA	2008	2:47.60	DEREK PARR	GBR	2009	2:33.16	BURWELL JONES	USA	2005
200 M. BACK				2:50.18	ROBERT POILETMAN	USA	2009	400 M. FREE			
2:40.95	BERND HORSTMANN	GER	2008	2:51.07	BARRY YOUNG	NZL	2004	5:12.05	GRAHAM JOHNSTON	USA	2001
2:41.76	RICHARD BURNS	USA	2009	2:51.83	J.LESTIDEAU	FRA	2012	5:17.20	DAVID RADCLIFF	USA	2008
2:42.96	JOZSEF CSIKANY	HUN	2008	2:54.46	RUDOLF SMERDA	CZE	2008	5:21.27	TOM LANDIS	USA	2012
2:44.37	HUGH WILDER	USA	2012	2:56.00	GUNTER SCHOPKE	GER	2005	5:24.85	JOHN CRISP	AUS	2006
2:50.44	MIKLOS KOVATS	HUN	2005	2:56.08	JOACHIM HINTZE	GER	2008	5:25.70	WERNER SCHNABEL	GER	2006
2:50.85	JOHN CALVERT	USA	2012	2:56.40	GABOR CSABA	HUN	2012	5:28.64	BURWELL JONES	USA	2005
2:51.11	RICHARD TODD	USA	2007	2:56.68	HORST LEHMANN	GER	2012	5:29.04	BARRY YOUNG	NZL	2009
2:51.19	S.SEKIKAWA	JPN	1998	2:57.05	RICHARD KITCHELL	USA	2005	5:29.24	CAV CAVANAUGH	USA	2005
2:52.34	MICHAEL MCCOLLY	USA	2010	200 M. I.M.				5:29.63	MASATO YOSHINO	JPN	2010
2:52.34	LUIZ FIGUEIREDO	BRA	2006	2:43.37	RICHARD BURNS	USA	2009	5:31.53	DAVID HARRISON	USA	2004



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800 M. FREE		1:24.71	KARL WIEDAMANN	USA 2008	6:32.11	BURWELL JONES	USA 2003	
10:45.92	GRAHAM JOHNSTON	USA 2002	1:25.25	ANTONIO ORSELLI	BRA 2012	6:32.30	MASAO KIJIMA	JPN 2011
10:49.02	DAVID RADCLIFF	USA 2006	1:25.53	TONY GOODWIN	AUS 2007	6:34.43	GRAHAM JOHNSTON	USA 2001
11:19.41	JOHN CRISP	AUS 2005	1:26.25	BARRY YOUNG	NZL 2009	6:41.36	IKURO SHIMONO	JPN 2009
11:19.55	BURWELL JONES	USA 2005	1:26.41	TETSUO NAKAMARU	JPN 2005	6:43.80	MIKE FRESHLEY	USA 2012
11:20.69	TOM LANDIS	USA 2012	1:26.70	THOMAS WALKER	GBR 2005	6:47.83	JOHN CRISP	AUS 2005
11:25.71	ERNIE LESKOVITZ	USA 2006	1:26.78	MICHAEL MOLONEY	AUS 2009	6:48.47	DAVID MCLACHLAN	RSA 2008
11:33.11	WERNER SCHNABEL	GER 2006	1:26.90	HANS REICHEL	GER 2007	6:49.92	JOAQUIN CANALES	ESP 2011
11:34.12	MASATO YOSHINO	JPN 2009	1:27.33	MASARU SHINKAI	JPN 2010			
11:35.33	DAVID HARRISON	USA 2007	1:27.70	CLAUDIO NEGRI	ITA 2006	*****		
11:39.81	JOACHIM HINTZE	GER 2012	200 M. BRST			M E N 75-79		
1500 M. FREE		3:04.79	MICHAEL MOLONEY	AUS 2009	*****			
20:36.56	GRAHAM JOHNSTON	USA 2001	3:07.50	KARL WIEDAMANN	USA 2008	50 M. FREE		
21:07.50	DAVID RADCLIFF	USA 2008	3:09.27	TONY GOODWIN	AUS 2008	30.28	DAVID RADCLIFF	USA 2009
21:12.56	TOM LANDIS	USA 2012	3:11.67	CLAUDIO NEGRI	ITA 2006	30.63	SHINGO YAMAMOTO	JPN 2008
21:49.74	WERNER SCHNABEL	GER 2006	3:12.61	HANS REICHEL	GER 2008	30.78	HIROSHI MATSUMOTO	JPN 2011
21:53.77	BURWELL JONES	USA 2005	3:14.76	THOMAS WALKER	GBR 2006	30.82	DONALD HILL	USA 2009
22:01.12	JOHN CRISP	AUS 2005	3:15.70	YOSHIAKI AOKI	JPN 2008	31.14	ALDO EMINENTE	FRA 2006
22:03.95	MASATO YOSHINO	JPN 2010	3:17.09	MASARU SHINKAI	JPN 2011	31.19	FRANK PIEMME	USA 2000
22:06.67	YASUSHI YAMAGUCHI	JPN 2009	3:17.21	MORIAKI SUGIURA	JPN 2009	31.33	ETTORE FARDELLO	ITA 2012
22:31.27	JOACHIM HINTZE	GER 2012	3:17.67	MIKE FRESHLEY	USA 2011	31.35	CLARKE MITCHELL	USA 2009
22:39.01	BARRY YOUNG	NZL 2009	50 M. FLY			31.38	YOSHI OYAKAWA	USA 2008
50 M. BACK		31.49	HIROSHI MATSUMOTO	JPN 2007		31.42	ANDERS SODERQVIST	SWE 2008
34.90	BERND HORSTMANN	GER 2012	31.95	Y.FUNAHASHI	JPN 2010	100 M. FREE		
35.31	YOSHI OYAKAWA	USA 2003	32.11	RONALD JOHNSON	USA 2001	1:06.63	DAVID RADCLIFF	USA 2009
35.83	S.SEKIKAWA	JPN 2003	32.36	KOJI IWAMOTO	JPN 2012	1:10.02	SHINGO YAMAMOTO	JPN 2008
36.23	MIKLOS KOVATS	HUN 2010	32.36	BERT PETERSEN	USA 2008	1:10.38	GRAHAM JOHNSTON	USA 2006
36.49	FRANS VAN ENST	NED 2011	32.90	BOB BAILIE	USA 2005	1:10.49	HIROSHI MATSUMOTO	JPN 2012
36.60	HELMUT RICHTER	GER 2009	32.95	IAN SMITH	CAN 2011	1:11.83	BURWELL JONES	USA 2008
36.77	BARRY YOUNG	NZL 2009	33.14	T.TAKESHITA	JPN 2012	1:12.78	WERNER SCHNABEL	GER 2011
37.10	PAUL HUTINGER	USA 1995	33.14	TOM LANDIS	USA 2012	1:13.18	H.TAKAHASHI	JPN 2011
37.12	KEIJIRO NAKAMURA	JPN 1995	33.18	RYUJI TAKAMINE	JPN 2011	1:13.30	CAV CAVANAUGH	USA 2011
37.13	BURWELL JONES	USA 2003	100 M. FLY			1:13.84	RAYMOND TAFT	USA 1995
100 M. BACK		1:16.04	KOJI IWAMOTO	JPN 2012		1:13.96	TOSHIHIRO HAYASHI	JPN 2012
1:15.24	BARRY YOUNG	NZL 2009	1:16.18	BARRY YOUNG	NZL 2009	200 M. FREE		
1:17.27	BERND HORSTMANN	GER 2012	1:18.18	T.TAKESHITA	JPN 2012	2:25.66	DAVID RADCLIFF	USA 2009
1:19.12	YOSHI OYAKAWA	USA 2004	1:19.44	WOLFRAM GOTTFRIED	GER 2002	2:35.32	BURWELL JONES	USA 2009
1:19.14	BURWELL JONES	USA 2003	1:20.45	GUNTER SCHOPKE	GER 2010	2:36.30	GRAHAM JOHNSTON	USA 2006
1:20.74	MIKLOS KOVATS	HUN 2010	1:20.52	RICHARD KITCHELL	USA 2010	2:41.39	WERNER SCHNABEL	GER 2012
1:20.93	S.SEKIKAWA	JPN 2003	1:20.61	TAISUKE MIYAZAKI	JPN 2009	2:41.47	IKURO SHIMONO	JPN 2012
1:22.13	MARTY MENNEN	USA 2009	1:21.37	SHUGEYUKI HASEGAW	JPN 2011	2:43.81	IGOR BROVIN	RUS 2009
1:22.30	T.HASHIMOTO	JPN 2010	1:21.56	WILLIAM LETCH	GBR 2010	2:43.98	LAURI MALK	FIN 2012
1:22.40	KARL DONOGHUE	CAN 2010	1:21.64	RONALD JOHNSON	USA 2001	2:44.97	ANRI VERESHCHAGIN	RUS 2009
1:22.79	FRANS VAN ENST	NED 2010	200 M. FLY			2:46.28	HIROSHI YOSHIMURA	JPN 2003
200 M. BACK		2:53.26	BARRY YOUNG	NZL 2009		2:46.56	DONALD HILL	USA 2009
2:48.10	BARRY YOUNG	NZL 2009	3:04.35	GUNTER SCHOPKE	GER 2010	400 M. FREE		
2:51.00	BERND HORSTMANN	GER 2012	3:08.06	TAISUKE MIYAZAKI	JPN 2009	5:17.77	DAVID RADCLIFF	USA 2009
2:55.19	BURWELL JONES	USA 2005	3:10.53	RICHARD KITCHELL	USA 2010	5:32.06	GRAHAM JOHNSTON	USA 2006
2:58.62	S.SEKIKAWA	JPN 2003	3:13.74	CLAUDIO NEGRI	ITA 2008	5:33.42	BURWELL JONES	USA 2009
2:58.88	MARTY MENNEN	USA 2006	3:13.81	JOACHIM HINTZE	GER 2012	5:39.94	JOHN CRISP	AUS 2010
2:59.52	MIKLOS KOVATS	HUN 2010	3:14.18	DAVID MCLACHLAN	RSA 2008	5:43.91	WERNER SCHNABEL	GER 2011
3:01.03	KARL DONOGHUE	CAN 2010	3:16.06	WERNER MULLER	GER 2003	5:46.04	IKURO SHIMONO	JPN 2012
3:01.26	YOSHI OYAKAWA	USA 2003	3:16.12	WILLIAM LETCH	GBR 2010	5:49.23	IGOR BROVIN	RUS 2009
3:01.44	RICHARD TODD	USA 2012	3:16.61	TAKASHI HAYASHI	JPN 2004	5:54.36	HIROSHI YOSHIMURA	JPN 2004
3:02.74	FRANS VAN ENST	NED 2010	200 M. I.M.			5:59.56	TOSABURO HOSOKAWA	JPN 2010
50 M. BRST		2:44.36	BARRY YOUNG	NZL 2009		6:00.35	ANRI VERESHCHAGIN	RUS 2009
37.23	YOSHIHIKO OSAKI	JPN 2009	2:56.72	TOM LANDIS	USA 2012	800 M. FREE		
37.47	KARL WIEDAMANN	USA 2008	2:58.06	BURWELL JONES	USA 2003	11:07.90	DAVID RADCLIFF	USA 2009
37.93	AKIO SUGIYAMA	JPN 2004	2:58.81	JACK KELSO	CAN 2010	11:25.95	GRAHAM JOHNSTON	USA 2006
37.96	CHARLES BALDWIN	USA 2000	2:59.90	RONALD JOHNSON	USA 2001	11:59.76	JOHN CRISP	AUS 2010
37.98	JOHN KORTHEUER	USA 2001	3:00.15	KOJI IWAMOTO	JPN 2012	12:04.82	IGOR BROVIN	RUS 2009
37.99	JAN JOHANSEN	DEN 2012	3:00.31	MASAO KIJIMA	JPN 2011	12:08.69	IKURO SHIMONO	JPN 2012
38.12	JURGEN ZIMMERMANN	GER 2009	3:01.09	IKURO SHIMONO	JPN 2009	12:14.79	WERNER SCHNABEL	GER 2011
38.14	ANTONIO ORSELLI	BRA 2012	3:01.47	BERND HORSTMANN	GER 2012	12:17.40	GIULIO DIVANO	ITA 2009
38.23	TONY GOODWIN	AUS 2009	3:01.56	GRAHAM JOHNSTON	USA 2002	12:29.76	GERHARD HOLE	GER 2010
38.28	JACK KELSO	CAN 2010	400 M. I.M.			12:32.78	JOSEF KREJCI	SUI 2009
38.28	HIROFUMI HOSOTANI	JPN 2005	5:57.81	BARRY YOUNG	NZL 2009	12:33.78	HIROSHI YOSHIMURA	JPN 2006
100 M. BRST		6:24.76	TOM LANDIS	USA 2012		1500 M. FREE		



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21:03.06	DAVID RADCLIFF	USA	2009	3:28.51	SHUNSAKU TAKAHIRA	JPN	2007	31.96	ROBERTO ALBERICHE	ESP	2012
22:48.56	JOHN CRISP	AUS	2010	3:28.63	TSUTOMU KAJIHARA	JPN	2008	32.73	B.SCHLURIKE	GER	2002
23:02.25	GRAHAM JOHNSTON	USA	2006	3:28.79	BELA FABIAN	HUN	2012	33.08	SHINGO YAMAMOTO	JPN	2012
23:31.64	WERNER SCHNABEL	GER	2012	3:28.90	CLAUDIO NEGRI	ITA	2012	33.09	FRANK PIEMME	USA	2005
23:34.20	HIROSHI YOSHIMURA	JPN	2005	3:30.58	PETER BELL	CAN	2010	33.12	KEIJIRO NAKAMURA	JPN	2004
23:50.80	GIULIO DIVANO	ITA	2009	3:31.13	ERIVALDO LIMA	BRA	2008	33.84	CLARKE MITCHELL	USA	2012
24:10.00	TOSABURO HOSOKAWA	JPN	2010	3:31.23	THOMAS WALKER	GBR	2010	33.88	WOODY BOWERSOCK	USA	1993
24:34.77	ROGER FRANKS	USA	2002	3:32.60	ROBERT MACDONALD	USA	2004	34.03	SHOICHI SAKOMOTO	JPN	1998
24:39.10	BURWELL JONES	USA	2012	50 M. FLY				34.11	SADAYUKI WAKAI	JPN	2003
24:44.35	GERHARD HOLE	GER	2012	32.76	HIROSHI MATSUMOTO	JPN	2012	34.23	MAX VAN GELDER	NED	2004
50 M. BACK				35.66	FRANK PIEMME	USA	2000	100 M. FREE			
36.14	YOSHI OYAKAWA	USA	2008	35.68	JEAN LE DALL	FRA	2008	1:13.12	ROBERTO ALBERICHE	ESP	2011
36.38	S.SEKIKAWA	JPN	2008	35.95	TAKASHI HAYASHI	JPN	2008	1:16.04	GRAHAM JOHNSTON	USA	2011
36.90	BURWELL JONES	USA	2010	36.01	CLARKE MITCHELL	USA	2007	1:17.11	KEIJIRO NAKAMURA	JPN	2003
37.51	KEIJIRO NAKAMURA	JPN	1998	36.04	GENICHI IGARASHI	JPN	2011	1:17.85	KELLEY LEMMON	PUR	1993
38.08	CLARKE MITCHELL	USA	2007	36.06	ASHLEY JONES	USA	2006	1:17.93	SHINGO YAMAMOTO	JPN	2011
39.24	PAUL HUTINGER	USA	2000	36.52	MASAYASU KAMIYA	JPN	2009	1:17.96	SHOICHI SHIDA	JPN	2006
39.48	MAMPEI SEINO	JPN	2007	36.73	WERNER MULLER	GER	2008	1:18.77	FRANK PIEMME	USA	2005
39.49	ALLAN CHARLTON	USA	2012	36.92	WOLFGANG SIEBER	GER	2012	1:18.85	ROD BAKER	AUS	2008
39.49	MARTY MENNEN	USA	2011	100 M. FLY				1:19.28	HIKOJI UEKI	JPN	1995
39.49	RAY TAFT	USA	1994	1:26.04	TAKASHI HAYASHI	JPN	2008	1:19.57	RODNEY BAKER	AUS	2009
100 M. BACK				1:28.30	GIULIO DIVANO	ITA	2009	200 M. FREE			
1:20.98	BURWELL JONES	USA	2009	1:28.67	DAVID MCLACHLAN	RSA	2012	2:48.76	ROBERTO ALBERICHE	ESP	2011
1:21.52	YOSHI OYAKAWA	USA	2008	1:28.72	WERNER MULLER	GER	2008	2:53.74	GRAHAM JOHNSTON	USA	2011
1:22.05	S.SEKIKAWA	JPN	2009	1:29.16	GENICHI IGARASHI	JPN	2011	2:59.28	HIROSHI YOSHIMURA	JPN	2008
1:26.00	CLARKE MITCHELL	USA	2007	1:31.60	LAURI MALK	FIN	2012	3:00.09	SHINGO YAMAMOTO	JPN	2011
1:26.00	KEIJIRO NAKAMURA	JPN	1998	1:31.89	BURWELL JONES	USA	2010	3:03.45	HIKOJI UEKI	JPN	1995
1:26.55	MARTY MENNEN	USA	2011	1:32.84	WILLIAM LAUER	USA	2011	3:04.08	ROD BAKER	AUS	2008
1:27.24	MAMPEI SEINO	JPN	2007	1:34.79	TONY GOODWIN	AUS	2012	3:04.65	FRANK PIEMME	USA	2005
1:29.14	DOUGLAS ALPINO	BRA	2012	1:35.24	MASAYASU KAMIYA	JPN	2007	3:04.69	IGOR BROVIN	RUS	2012
1:29.41	GERHARD HOLE	GER	2010	200 M. FLY				3:05.01	KEVIN VICKERY	AUS	2003
1:29.47	ROGER FRANKS	USA	2002	3:26.21	DAVID MCLACHLAN	RSA	2012	3:05.78	DAVID LAWLER	AUS	2009
200 M. BACK				3:26.28	TAKASHI HAYASHI	JPN	2008	400 M. FREE			
2:57.72	BURWELL JONES	USA	2010	3:31.90	WERNER MULLER	GER	2009	6:08.75	GIULIO DIVANO	ITA	2011
3:04.07	S.SEKIKAWA	JPN	2010	3:33.34	GIULIO DIVANO	ITA	2010	6:10.13	GRAHAM JOHNSTON	USA	2012
3:07.08	MARTY MENNEN	USA	2011	3:33.50	LAURI MALK	FIN	2012	6:11.49	ROBERTO ALBERICHE	ESP	2011
3:10.25	ROGER FRANKS	USA	2002	3:34.30	MAURICE LUSIEN	FRA	2001	6:26.98	IGOR BROVIN	RUS	2012
3:10.64	KEIJIRO NAKAMURA	JPN	1998	3:34.82	CLAUDIO NEGRI	ITA	2012	6:31.17	HIROSHI YOSHIMURA	JPN	2009
3:13.03	YOSHI OYAKAWA	USA	2008	3:35.90	KARL HAUTER	GER	2001	6:33.71	ROD BAKER	AUS	2008
3:13.69	GERHARD HOLE	GER	2010	3:41.37	ERIVALDO LIMA	BRA	2009	6:36.12	FRANK PIEMME	USA	2005
3:14.55	MAMPEI SEINO	JPN	2007	3:43.56	ANTON M. CERER	USA	1992	6:39.26	KEVIN VICKERY	AUS	2003
3:15.00	RAY TAFT	USA	1995	200 M. I.M.				6:40.27	KATSURA SUZUKI	JPN	2011
3:17.54	BOB MILLER	USA	2006	3:06.58	BURWELL JONES	USA	2009	6:40.63	HIKOJI UEKI	JPN	1995
50 M. BRST				3:07.29	GERHARD HOLE	GER	2010	800 M. FREE			
39.65	HANS REICHEL	GER	2011	3:09.33	IKURO SHIMONO	JPN	2012	12:51.45	GRAHAM JOHNSTON	USA	2012
39.92	TONY GOODWIN	AUS	2012	3:12.48	DAVID MCLACHLAN	RSA	2012	12:52.38	GIULIO DIVANO	ITA	2011
40.01	TETSUO NAKAMARU	JPN	2010	3:13.53	GRAHAM JOHNSTON	USA	2006	13:28.82	IGOR BROVIN	RUS	2012
40.20	MIKHAIL FARAFONOV	RUS	2012	3:16.31	BELA FABIAN	HUN	2012	13:39.76	ROD BAKER	AUS	2008
40.38	TOSHIO TAJIMA	JPN	2000	3:18.35	FRANK PIEMME	USA	2000	13:44.73	HIROSHI YOSHIMURA	JPN	2009
40.41	DON BIDWELL	NZL	2009	3:18.81	GIULIO DIVANO	ITA	2010	13:50.05	NORBERT ARTUS	CAN	1994
40.44	WERNER MULLER	GER	2008	3:18.84	ANRI VERESHCHAGIN	RUS	2009	13:50.35	KATSURA SUZUKI	JPN	2011
40.49	HIROFUMI HOSOTANI	JPN	2010	3:18.86	JOHN CRISP	AUS	2010	14:03.18	DAVID LAWLER	AUS	2009
40.56	BELA FABIAN	HUN	2012	400 M. I.M.				14:06.39	KARL HAUTER	GER	2006
40.68	WOLFGANG DREIACK	GER	2012	6:48.48	BURWELL JONES	USA	2009	14:07.10	JAN ZIEGLER	CZE	2005
100 M. BRST				6:58.19	GIULIO DIVANO	ITA	2009	1500 M. FREE			
1:29.35	TONY GOODWIN	AUS	2012	7:08.74	GRAHAM JOHNSTON	USA	2007	24:40.69	GIULIO DIVANO	ITA	2011
1:29.55	TETSUO NAKAMARU	JPN	2010	7:10.29	DAVID MCLACHLAN	RSA	2012	25:10.41	GRAHAM JOHNSTON	USA	2011
1:29.92	HANS REICHEL	GER	2011	7:14.22	ANRI VERESHCHAGIN	RUS	2009	25:59.56	HIROSHI YOSHIMURA	JPN	2008
1:31.65	BELA FABIAN	HUN	2012	7:18.01	KARL HAUTER	GER	2001	26:39.67	KATSURA SUZUKI	JPN	2011
1:31.90	TSUTOMU KAJIHARA	JPN	2008	7:19.30	JOSEF KREJCI	SUI	2008	26:52.76	FRANK PIEMME	USA	2005
1:32.06	SHUNSAKU TAKAHIRA	JPN	2007	7:21.08	WERNER MULLER	GER	2008	26:52.93	RAYMOND TAFT	USA	1999
1:32.46	PETER BELL	CAN	2010	7:21.75	RAYMOND TAFT	USA	1995	27:00.00	DAVID LAWLER	AUS	2009
1:33.29	WERNER MULLER	GER	2008	7:22.82	BOB BEST	USA	2007	27:09.47	HIROSHI IMAIZUMI	JPN	2005
1:34.93	JOHN KORTHEUER	USA	2006	*****				27:14.31	JURGEN SCHMIDT	USA	2003
1:35.35	HIROFUMI HOSOTANI	JPN	2010	*****				27:14.65	KARL HAUTER	GER	2006
200 M. BRST				M E N 80-84				50 M. BACK			
3:17.54	TONY GOODWIN	AUS	2012	*****				38.41	KEIJIRO NAKAMURA	JPN	2003
3:24.08	HANS REICHEL	GER	2011	50 M. FREE				40.71	SHOICHI SAKOMOTO	JPN	1998



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41.40	PAUL HUTINGER	USA	2004	40.95	TOSHIO TAJIMA	JPN	2005	1:23.87	JIM EUBANK	USA	2001
41.49	CLARKE MITCHELL	USA	2012	41.02	BOB BEST	USA	2012	1:26.48	GORO KOBAYASHI	JPN	2002
42.13	SHOICHI SHIDA	JPN	2008	41.36	MAX VAN GELDER	NED	2004	1:26.71	HIKOJI UEKI	JPN	2000
42.49	RAYMOND TAFT	USA	1999	41.67	SUEO YAMAGUCHI	JPN	2009	1:26.78	WILLARD LAMB	USA	2007
42.71	MASAKI INABA	JPN	2006	41.73	MASAYASU KAMIYA	JPN	2012	1:27.61	WOODROW BOWERSOCK	USA	1998
42.96	GORO KOBAYASHI	JPN	1998	41.81	SILVANO DANIELI	ITA	2008	1:28.56	SHOICHI SHIDA	JPN	2011
43.10	DALE WEBSTER	USA	2006	100 M. FLY				1:30.30	JIRO KOBAYASHI	JPN	2010
43.15	TOSHIJI SATO	JPN	1995	1:29.39	GIULIO DIVANO	ITA	2011	1:30.48	TOSHIMI INATOMI	JPN	2011
100 M. BACK				1:45.50	THOMAS MAINE	USA	2006	200 M. FREE			
1:26.97	KEIJIRO NAKAMURA	JPN	2003	1:45.53	JAN ZIEGLER	CZE	2006	3:13.78	HIKOJI UEKI	JPN	2000
1:35.36	RAYMOND TAFT	USA	1999	1:46.11	FRANK PIEMME	USA	2005	3:16.89	FRANK PIEMME	USA	2010
1:35.42	PAUL HUTINGER	USA	2004	1:47.86	KARL HAUTER	GER	2005	3:16.95	WILLARD LAMB	USA	2008
1:36.28	CLARKE MITCHELL	USA	2012	1:47.88	ANDREW HOLDEN	USA	1999	3:17.30	JIM EUBANK	USA	2001
1:36.95	GORO KOBAYASHI	JPN	1998	1:49.38	MAX VAN GELDER	NED	2004	3:19.10	GORO KOBAYASHI	JPN	2002
1:38.13	DALE WEBSTER	USA	2006	1:50.89	SILVANO DANIELI	ITA	2008	3:23.31	JIRO KOBAYASHI	JPN	2010
1:38.34	JAN ZIEGLER	CZE	2005	1:52.37	ANTON CERER	USA	1996	3:32.69	JURGEN SCHMIDT	USA	2008
1:38.34	SHOICHI SAKOMOTO	JPN	1998	1:52.53	RISABURO KANDA	JPN	2012	3:32.76	RADO HOCEVAR	SLO	2012
1:39.11	TOSHIJI SATO	JPN	1996	200 M. FLY				3:34.20	TOKUSHI KOMEDA	JPN	1999
1:39.21	HIKOJI UEKI	JPN	1996	3:31.42	GIULIO DIVANO	ITA	2011	3:35.09	JAN ZIEGLER	CZE	2010
200 M. BACK				3:54.51	THOMAS MAINE	USA	2006	400 M. FREE			
3:16.82	KEIJIRO NAKAMURA	JPN	2004	4:03.00	JAN ZIEGLER	CZE	2005	7:03.07	FRANK PIEMME	USA	2010
3:28.97	CLARKE MITCHELL	USA	2012	4:11.09	ANTON CERER	USA	1998	7:05.53	HIKOJI UEKI	JPN	2000
3:30.76	PAUL HUTINGER	USA	2004	4:11.48	KARL HAUTER	GER	2006	7:06.36	WILLARD LAMB	USA	2008
3:31.36	RAYMOND TAFT	USA	1999	4:19.95	GRAHAM JOHNSTON	USA	2011	7:12.16	JIM EUBANK	USA	2001
3:33.41	JAN ZIEGLER	CZE	2005	4:26.60	VIKTOR BOROVNIKOV	RUS	2012	7:20.63	D.CASOLINO	ITA	2012
3:39.22	ROGER FRANKS	USA	2007	4:28.71	SILVANO DANIELI	ITA	2007	7:20.74	HIROSHI IMAIZUMI	JPN	2010
3:40.07	TOSHIJI SATO	JPN	1996	4:29.09	HIRONARI UEDA	JPN	2002	7:25.95	JURGEN SCHMIDT	USA	2008
3:41.53	G.SHIMOMOTO	JPN	2006	4:30.07	TOSHIKAZU TATEDA	JPN	2011	7:32.00	KARL HAUTER	GER	2010
3:41.96	RODNEY BAKER	AUS	2009	200 M. I.M.				7:33.45	JIRO KOBAYASHI	JPN	2010
3:42.35	GORO KOBAYASHI	JPN	1998	3:20.65	GIULIO DIVANO	ITA	2011	7:33.76	RADO HOCEVAR	SLO	2012
50 M. BRST				3:29.66	ROBERTO ALBERICHE	ESP	2012	800 M. FREE			
41.68	TOSHIO TAJIMA	JPN	2006	3:32.82	JAN ZIEGLER	CZE	2005	14:36.90	WILLARD LAMB	USA	2008
43.62	Y.MIYAMOTO	JPN	1998	3:34.94	FRANK PIEMME	USA	2005	14:43.81	FRANK PIEMME	USA	2010
44.41	BOB BEST	USA	2012	3:35.20	KARL HAUTER	GER	2006	15:11.24	D.CASOLINO	ITA	2012
44.72	GERHARD GIERA	GER	2008	3:41.44	BOB BEST	USA	2012	15:24.45	JIM EUBANK	USA	2001
44.99	HORST FRITSCHKE	GER	2006	3:41.70	S.KROKOSZYNSKI	POL	2010	15:24.97	HIROSHI IMAIZUMI	JPN	2010
45.38	KARL HAUTER	GER	2005	3:42.90	MASAYASU KAMIYA	JPN	2012	15:32.70	JURGEN SCHMIDT	USA	2008
45.45	MAX VAN GELDER	NED	2004	3:43.19	RAY TAFT	USA	2000	15:53.00	KARL HAUTER	GER	2010
45.45	HIROMU YOSHIMOTO	JPN	1995	3:43.82	ALDO DA ROSA	USA	1998	15:59.86	TOKUSHI KOMEDA	JPN	1999
45.77	CHARLES URSTADT	USA	2009	400 M. I.M.				16:09.08	RADO HOCEVAR	SLO	2012
46.09	BARTON GREENBERG	USA	2004	7:12.63	GIULIO DIVANO	ITA	2011	16:19.70	JIRO KOBAYASHI	JPN	2010
100 M. BRST				7:38.09	JAN ZIEGLER	CZE	2005	1500 M. FREE			
1:41.02	TOSHIO TAJIMA	JPN	2005	7:47.73	THOMAS MAINE	USA	2006	28:35.24	WILLARD LAMB	USA	2008
1:43.16	JAN ZIEGLER	CZE	2005	7:54.48	BOB BEST	USA	2012	29:12.85	JURGEN SCHMIDT	USA	2008
1:43.21	ROBERT MACDONALD	USA	2008	7:57.61	KARL HAUTER	GER	2005	29:53.88	JIM EUBANK	USA	2000
1:43.74	AL CRAIG	USA	2007	8:03.49	FRANK PIEMME	USA	2005	30:10.16	HIROSHI IMAIZUMI	JPN	2010
1:43.85	GERHARD GIERA	GER	2008	8:05.14	RAYMOND TAFT	USA	1999	30:14.52	TOKUSHI KOMEDA	JPN	1999
1:44.91	IWAO NARUSE	JPN	2012	8:13.49	ANTON CERER	USA	1997	31:17.64	ALDO DA ROSA	USA	2002
1:44.94	ZENJI NAKAHARI	JPN	2009	8:14.86	ALDO DA ROSA	USA	1998	31:18.17	THOMAS MAINE	USA	2010
1:45.01	SHUNSAKU TAKAHIRA	JPN	2012	8:20.62	S.KROKOSZYNSKI	POL	2011	32:32.53	HAROLD DODD	GBR	2004
1:45.24	Y.MIYAMOTO	JPN	1997	*****				32:56.41	NILS FERM	SWE	2002
1:45.54	FRANK PIEMME	USA	2005	*****				33:08.42	GUS LANGNER	USA	1989
200 M. BRST				M E N 85-89				50 M. BACK			
3:47.81	AL CRAIG	USA	2007	*****				39.89	KEIJIRO NAKAMURA	JPN	2008
3:47.98	KARL HAUTER	GER	2005	50 M. FREE				42.17	GORO KOBAYASHI	JPN	2001
3:48.49	ROBERT MACDONALD	USA	2008	33.94	KEIJIRO NAKAMURA	JPN	2008	44.52	FRED VAN DYKE	USA	2006
3:49.18	ZENJI NAKAHARI	JPN	2009	35.77	WOODROW BOWERSOCK	USA	1998	45.16	TOSHIJI SATO	JPN	2000
3:51.06	SHUNSAKU TAKAHIRA	JPN	2012	35.85	FRANK PIEMME	USA	2010	45.33	SHOICHI SAKAMOTO	JPN	2004
3:53.23	JAN ZIEGLER	CZE	2005	36.40	JAMES EUBANK	USA	2000	46.89	SHOICHI SHIDA	JPN	2012
3:55.20	AUGUSTO ROMANO	ITA	1998	36.41	GORO KOBAYASHI	JPN	2002	47.06	ALDO DA ROSA	USA	2002
3:57.94	ASHLEY JONES	USA	2011	36.90	TOSHIMI INATOMI	JPN	2011	47.54	HELMUT KUNZEL	GER	2012
3:58.31	ISAO FUNAMOTO	JPN	2002	37.21	ANDREW HOLDEN	USA	2004	47.70	R.REINSTADTLER	GER	1997
3:58.44	BOB BEST	USA	2012	37.33	WILLARD LAMB	USA	2008	49.00	ALDACYR HILL	BRA	2010
50 M. FLY				37.67	SHOICHI SAKAMOTO	JPN	2004	100 M. BACK			
39.05	CLARKE MITCHELL	USA	2012	38.12	ROGER HALIMI	FRA	2007	1:31.65	KEIJIRO NAKAMURA	JPN	2008
39.65	GIULIO DIVANO	ITA	2011	100 M. FREE				1:36.34	GORO KOBAYASHI	JPN	2001
40.26	ROBERTO ALBERICHE	ESP	2012	1:23.25	FRANK PIEMME	USA	2010	1:41.25	TOSHIJI SATO	JPN	2000
40.65	FRANK PIEMME	USA	2005	1:23.52	KEIJIRO NAKAMURA	JPN	2008	1:48.68	HIKOJI UEKI	JPN	2000



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1:49.24	WILLARD LAMB	USA	2008	2:12.47	MAX VAN GELDER	NED	2009	4:28.88	NILS FERM	SWE	2008
1:49.54	ALDO DA ROSA	USA	2002	2:17.29	PAUL KRUP	USA	2002	4:30.92	MIRIO VINCENTIN	ARG	2009
1:51.56	ALAN WEEDEN	USA	2009	2:17.55	PAUL HUTINGER	USA	2009	4:32.78	ALFREDO CHERCHI	AUS	1997
1:51.83	C.SCHERER	GER	1999	2:20.76	FRANK GRANNIS	USA	2009	4:37.85	JULIUS FEICHT	GER	2011
1:53.16	NILS FERM	SWE	2002	200 M. FLY				4:38.25	JIM TRIOLO	USA	2004
1:53.67	R.REINSTADTLER	GER	1997	4:15.86	THOMAS MAINE	USA	2010	4:38.57	ARTHUR THOMAS	AUS	2007
200 M. BACK				4:46.99	KARL HAUTER	GER	2010	400 M. FREE			
3:28.59	KEIJIRO NAKAMURA	JPN	2008	4:47.63	ANDREW HOLDEN	USA	2004	8:13.45	TOKUSHI KOMEDA	JPN	2004
3:41.06	GORO KOBAYASHI	JPN	2002	4:57.41	ANTON CERER	USA	2002	9:35.43	ARTHUR THOMAS	AUS	2007
3:48.38	TOSHIJI SATO	JPN	2000	5:06.00	WALTER PFEIFFER	USA	1999	9:39.37	WOODY BOWERSOCK	USA	2003
3:56.47	KARL HAUTER	GER	2010	5:07.93	PAUL KRUP	USA	2002	9:40.04	ALFREDO CHERCHI	AUS	1997
4:04.33	WILLARD LAMB	USA	2008	5:25.02	ALDO CAPUTI	ITA	2001	9:40.14	CARLOS VINCENTIN	ARG	2009
4:04.99	JAN ZIEGLER	CZE	2010	5:42.31	HIRONARI UEDA	JPN	2006	9:43.35	JULIUS FEICHT	GER	2011
4:07.72	ALDO DA ROSA	USA	2002	5:54.28	FRANK GRIFFITHS	AUS	1993	9:44.11	GUS LANGNER	USA	1993
4:08.30	BELA BANKI	HUN	2006	5:55.76	DON LEADER	GBR	2009	9:44.99	NILS FERM	SWE	2007
4:08.82	KAIZO WATANABE	JPN	2008	200 M. I.M.				9:48.38	JOHN HARRISON	GBR	2004
4:09.97	NILS FERM	SWE	2002	3:51.20	THOMAS MAINE	USA	2010	9:55.55	HEINZ SIEGEL	GER	2004
50 M. BRST				3:51.88	FRANK PIEMME	USA	2010	800 M. FREE			
45.58	TOSHIO TAJIMA	JPN	2011	3:57.74	KARL HAUTER	GER	2010	17:54.42	TOKUSHI KOMEDA	JPN	2005
46.23	Y.MIYAMOTO	JPN	2002	4:07.75	HIROSHI IMAIZUMI	JPN	2010	19:36.32	NILS FERM	SWE	2007
49.46	HIROMU YOSHIMOTO	JPN	2000	4:13.14	ANTON CERER	USA	2001	20:09.22	JOHN HARRISON	GBR	2004
49.49	FRANK PIEMME	USA	2010	4:15.59	ANDREW HOLDEN	USA	2004	20:13.74	GUS LANGNER	USA	1993
49.90	SEIJI TAKAHASHI	JPN	2000	4:16.31	ALDO DAROSA	USA	2003	20:28.49	BELA BANKI	HUN	2011
50.57	BARTON GREENBERG	USA	2009	4:23.52	JAN ZIEGLER	CZE	2012	20:43.98	JULIUS FEICHT	GER	2011
50.74	PAUL KRUP	USA	2002	4:29.94	MAX VAN GELDER	NED	2009	20:50.22	JOHN MERRILL	USA	2008
50.83	FREDERICK HOPPE	USA	2012	4:30.49	TOKUSHI KOMEDA	JPN	1999	21:07.17	WOODY BOWERSOCK	USA	2003
51.42	H.REITEMEYER	GER	2006	400 M. I.M.				21:41.22	KARL BAYERLEIN	GER	2012
51.52	KARL WITTENBERG	GER	1995	8:21.81	THOMAS MAINE	USA	2010	21:48.18	RICHARD SMITH	USA	2010
100 M. BRST				8:34.82	KARL HAUTER	GER	2010	1500 M. FREE			
1:51.79	FRANK PIEMME	USA	2010	9:21.90	ANTON CERER	USA	2001	36:47.02	GUS LANGNER	USA	1993
1:53.27	BARTON GREENBERG	USA	2009	9:42.77	WALTER PFEIFFER	USA	1999	37:21.89	NILS FERM	SWE	2007
1:53.70	HIROMU YOSHIMOTO	JPN	2000	10:28.43	FRANK GRIFFITHS	AUS	1994	38:56.19	JOHN HARRISON	GBR	2004
1:54.19	Y.MIYAMOTO	JPN	2002	10:38.32	DON LEADER	GBR	2009	39:36.67	WALTER PFEIFFER	USA	2004
1:56.64	H.REITEMEYER	GER	2006	10:57.84	HIRONARI UEDA	JPN	2006	40:59.21	RICHARD SMITH	USA	2010
1:57.18	KARL HAUTER	GER	2010	11:23.79	WILLIAM JOHNSTON	USA	2003	42:04.81	KARL BAYERLEIN	GER	2012
1:57.36	TOSHIO TAJIMA	JPN	2010	11:52.88	ALDO CAPUTI	ITA	2000	43:02.08	HUGH MCGREGOR	CAN	2010
2:00.89	ALDO DAROSA	USA	2003	11:59.54	JESSE COON	USA	1997	43:09.40	BUD JACKSON	USA	2010
2:00.93	FREDERICK HOPPE	USA	2012	*****				51:09.50	GARY WEISENTHAL	USA	2003
2:03.03	SEIJI TAKAHASHI	JPN	2000	*****				52:41.53	PAUL E. SPANGLER	USA	1990
200 M. BRST				M E N 90-94				50 M. BACK			
4:10.75	AL CRAIG	USA	2012	*****				46.82	GORO KOBAYASHI	JPN	2006
4:13.81	KARL HAUTER	GER	2010	50 M. FREE				53.26	KAZUNAGA AKUTSU	JPN	2002
4:15.11	FRANK PIEMME	USA	2010	39.19	WOODY BOWERSOCK	USA	2003	53.99	R.REINSTADTLER	GER	2002
4:16.56	THOMAS MAINE	USA	2010	41.93	GEORGE CORONES	AUS	2008	54.07	TOSHIJI SATO	JPN	2005
4:20.59	FREDERICK HOPPE	USA	2012	42.17	ROGER HALIMI	FRA	2012	54.39	BELA BANKI	HUN	2010
4:22.99	HIROMU YOSHIMOTO	JPN	2000	43.03	TOKUSHI KOMEDA	JPN	2004	54.41	MASAHISA KANEKO	JPN	2003
4:25.31	ALDO DAROSA	USA	2003	43.78	KAZUNAGA AKUTSU	JPN	2002	55.45	JOHN MERRILL	USA	2008
4:26.74	H.REITEMEYER	GER	2006	44.07	MIRIO VINCENTIN	ARG	2009	56.43	WOODY BOWERSOCK	USA	2003
4:36.86	HAROLD PERRY	USA	1996	44.71	GORO KOBAYASHI	JPN	2006	56.69	NILS FERM	SWE	2008
4:37.41	WATARU ASAOKA	JPN	2010	45.31	MASAHISA KANEKO	JPN	2002	57.61	H. BELA BANKI	HUN	2012
50 M. FLY				45.87	MASAO UEDA	JPN	2002	100 M. BACK			
45.63	FRANK PIEMME	USA	2010	46.14	NED SMITH	USA	2005	1:45.46	GORO KOBAYASHI	JPN	2006
46.48	ANDREW HOLDEN	USA	2004	100 M. FREE				2:04.48	TOSHIJI SATO	JPN	2006
46.85	TOSHIO TAJIMA	JPN	2010	1:38.05	GORO KOBAYASHI	JPN	2006	2:04.94	R.REINSTADTLER	GER	2002
47.88	TAMON YOSHIDA	JPN	2011	1:40.54	TOKUSHI KOMEDA	JPN	2004	2:06.63	BELA BANKI	HUN	2010
50.30	THOMAS MAINE	USA	2010	1:43.22	WOODY BOWERSOCK	USA	2003	2:07.20	JOHN MERRILL	USA	2007
50.64	MAX VON ISSER	USA	2006	1:45.51	GEORGE CORONES	AUS	2009	2:07.37	NILS FERM	SWE	2008
51.12	PAUL KRUP	USA	2002	1:50.30	KAZUNAGA AKUTSU	JPN	2002	2:10.36	WOODY BOWERSOCK	USA	2003
51.81	Y.MIYAMOTO	JPN	2002	1:51.07	MASAHISA KANEKO	JPN	2002	2:11.19	MASAHISA KANEKO	JPN	2003
53.71	SILVANO DANIELI	ITA	2012	1:56.10	HEINZ SIEGEL	GER	2004	2:12.94	ROGERS HOLMES	USA	2011
54.00	ANTON CERER	USA	2002	1:56.60	GASTAO FIGUEIREDO	BRA	2000	2:15.93	H.REITEMEYER	GER	2011
100 M. FLY				1:57.91	GUS LANGNER	USA	1993	200 M. BACK			
1:55.18	THOMAS MAINE	USA	2010	1:58.36	R.REINSTADTLER	GER	2003	4:05.77	GORO KOBAYASHI	JPN	2007
2:02.53	ANDREW HOLDEN	USA	2004	200 M. FREE				4:32.63	NILS FERM	SWE	2009
2:05.21	KARL HAUTER	GER	2010	3:54.89	TOKUSHI KOMEDA	JPN	2004	4:33.77	BELA BANKI	HUN	2010
2:05.39	FRANK PIEMME	USA	2010	4:10.40	WOODY BOWERSOCK	USA	2003	4:34.60	R.REINSTADTLER	GER	2002
2:10.28	WALTER PFEIFFER	USA	1999	4:19.52	MASAHISA KANEKO	JPN	2002	4:41.28	TOSHIJI SATO	JPN	2005
2:11.44	ANTON CERER	USA	2002	4:28.34	GUS LANGNER	USA	1993	4:42.14	JOHN HARRISON	GBR	2004



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4:46.15	JOHN MERRILL	USA	2008	13:52.72	JESSE COON	USA	2000	3:33.74	ROMAN JEZEK	CAN	2009
4:54.50	ALFRED SCHULHOF	CAN	2010					200 M. BACK			
4:54.71	H.REITEMEYER	GER	2011	*****				5:30.07	TOSHIJI SATO	JPN	2010
4:56.44	ROGERS HOLMES	USA	2011		M E N 95-99			6:00.99	JEAN LEEMPUT	FRA	2011
50 M. BRST				*****				6:10.65	JOHN HARRISON	GBR	2010
57.20	HIROMU YOSHIMOTO	JPN	2005	50 M. FREE				6:38.69	GARY WEISENTHAL	USA	2008
1:00.75	SEIJI TAKAHASHI	JPN	2005	55.88	GUS LANGNER	USA	1998	8:19.55	ALFREDO CHERCHI	AUS	2002
1:00.98	H.REITEMEYER	GER	2011	56.99	KAZUNAGA AKUTSU	JPN	2007	8:23.02	JACK MATHIESON	AUS	2012
1:01.64	BRUD CLEAVELAND	USA	2007	1:03.14	JARING TIMMERMAN	CAN	2005	50 M. BRST			
1:01.79	GEORGE CORONES	AUS	2009	1:06.06	COLLISTER WHEELER	USA	1988	1:10.83	HIROMU YOSHIMOTO	JPN	2010
1:02.56	ALFRED SCHULHOF	CAN	2010	1:06.93	ALFREDO CHERCHI	AUS	2003	1:26.15	KAZUNAGA AKUTSU	JPN	2007
1:04.60	BELA BANKI	HUN	2010	1:14.72	JOHN HARRISON	GBR	2009	1:26.61	GUS LANGNER	USA	1998
1:04.85	RAYMOND HAKOMAKI	USA	2010	1:16.36	F.GIANNETTA	ITA	2012	1:35.45	ROMAN JEZEK	CAN	2009
1:05.84	MITSUO SHIMO	JPN	1999	1:17.45	ALDO CAPUTI	ITA	2010	1:35.94	ALDO CAPUTI	ITA	2010
1:06.04	Y.MIYAMOTO	JPN	2007	1:20.07	ELI BARREIRO	ECU	2001	1:36.87	TOM LANE	USA	1989
100 M. BRST				1:20.52	TOM LANE	USA	1989	1:36.92	JACK MATHIESON	AUS	2012
2:15.43	HIROMU YOSHIMOTO	JPN	2005	100 M. FREE				1:44.98	RYUZO KADONO	JPN	2009
2:20.73	H.REITEMEYER	GER	2011	2:17.59	KAZUNAGA AKUTSU	JPN	2007	1:53.28	ARTHUR EVANS	AUS	2009
2:23.53	RAYMOND HAKOMAKI	USA	2010	2:29.32	GUS LANGNER	USA	1998	1:55.64	MARTIN SCHMIDT	GER	2009
2:28.24	BRUD CLEAVELAND	USA	2007	2:31.44	JARING TIMMERMAN	CAN	2005	100 M. BRST			
2:30.45	ALFRED SCHULHOF	CAN	2010	2:44.63	JOHN HARRISON	GBR	2009	2:40.08	HIROMU YOSHIMOTO	JPN	2010
2:30.49	GEORGE CORONES	AUS	2008	3:02.33	F.GIANNETTA	ITA	2012	3:36.50	ROMAN JEZEK	CAN	2009
2:31.40	MASAHISA KANEKO	JPN	2002	3:07.10	JEAN LEEMPUT	FRA	2011	3:38.45	GUS LANGNER	USA	1998
2:34.78	BELA BANKI	HUN	2010	3:07.28	ELI BARREIRO	ECU	2001	3:54.74	JACK MATHIESON	AUS	2012
2:39.02	HANS PAUL	GER	1998	3:29.15	ROMAN JEZEK	CAN	2009	4:58.20	F.GIANNETTA	ITA	2012
2:42.38	RUSS WITTE	USA	2009	3:30.27	ETSURO YASUI	JPN	2006	200 M. BRST			
200 M. BRST				3:30.59	TOM LANE	USA	1992	5:47.31	HIROMU YOSHIMOTO	JPN	2010
5:17.47	HIROMU YOSHIMOTO	JPN	2005	200 M. FREE				7:37.17	GUS LANGNER	USA	1998
5:26.11	GEORGE CORONES	AUS	2009	5:13.23	GUS LANGNER	USA	1998	7:54.76	ROMAN JEZEK	CAN	2009
5:26.75	H.REITEMEYER	GER	2011	5:56.17	JARING TIMMERMAN	CAN	2005	8:11.63	JACK MATHIESON	AUS	2012
5:35.18	MASAHISA KANEKO	JPN	2002	6:30.80	GARY WEISENTHAL	USA	2008	12:08.37	F.GIANNETTA	ITA	2012
5:49.32	BELA BANKI	HUN	2010	7:27.16	F.GIANNETTA	ITA	2012	50 M. FLY			
5:55.72	BRUD CLEAVELAND	USA	2007	7:54.76	ROMAN JEZEK	CAN	2009	1:37.18	ALDO CAPUTI	ITA	2010
6:04.55	ALFRED SCHULHOF	CAN	2010	10:27.88	J.STORZ	FRA	2010	2:01.41	WALTER PFEIFFER	USA	2008
6:11.58	RUSS WITTE	USA	2009	10:31.15	JACK MATHIESON	AUS	2012	2:40.49	EUGENE LEHMAN	CAN	2008
6:18.26	ROMAN JEZEK	CAN	2004	400 M. FREE				100 M. FLY			
6:20.86	BUD JACKSON	USA	2010	11:30.53	GUS LANGNER	USA	1998	4:09.52	WALTER PFEIFFER	USA	2008
50 M. FLY				13:43.10	GARY WEISENTHAL	USA	2008	200 M. FLY			
1:00.30	WALTER PFEIFER	USA	2003	19:16.97	JACK MATHIESON	AUS	2012	14:05.25	WALTER PFEIFFER	USA	2008
1:05.95	ANDREW HOLDEN	USA	2009	20:38.12	JEAN STORZ	FRA	2009	200 M. I.M.			
1:10.34	HEINZ SIEGEL	GER	2004	800 M. FREE				8:55.97	WALTER PFEIFFER	USA	2008
1:11.54	R.REINSTADTLER	GER	2002	22:28.28	GUS LANGNER	USA	1998	400 M. I.M.			
1:11.57	TOKUSHI KOMEDA	JPN	2004	28:18.13	GARY WEISENTHAL	USA	2008	17:29.20	WALTER PFEIFFER	USA	2008
1:12.66	ALDO CAPUTI	ITA	2005	42:55.70	JACK MATHIESON	AUS	2012	*****			
1:21.55	JOHN HARRISON	GBR	2004	1500 M. FREE				M E N 100-104			
1:23.87	JESSE COON	USA	2000	47:30.40	GUS LANGNER	USA	1999	*****			
1:26.07	JIM PENFIELD	USA	1998	82:25.34	JACK MATHIESON	AUS	2012	50 M. FREE			
2:06.54	EUGENE LEHMAN	CAN	2006	50 M. BACK				1:40.46	TOM LANE	USA	1994
100 M. FLY				1:01.61	TOSHIJI SATO	JPN	2010	2:15.51	HANS HAHN	GER	2008
2:31.03	WALTER PFEIFER	USA	2003	1:03.32	KAZUNAGA AKUTSU	JPN	2007	3:22.65	EDWIN THOMAS	USA	1994
2:46.91	ALDO CAPUTI	ITA	2005	1:10.06	NORI YAMAMOTO	JPN	2005	100 M. FREE			
3:29.53	JESSE COON	USA	2000	1:10.49	JEAN LEEMPUT	FRA	2009	4:05.98	TOM LANE	USA	1994
200 M. FLY				1:12.29	JOHN HARRISON	GBR	2009	50 M. BACK			
5:51.79	WALTER PFEIFER	USA	2003	1:16.30	TOM LANE	USA	1989	1:50.73	TOM LANE	USA	1994
6:05.42	ALDO CAPUTI	ITA	2005	1:20.41	SHOGORO AZUMA	JPN	2007	2:25.23	HANS HAHN	GER	2008
8:22.48	JESSE COON	USA	2000	1:23.77	ALFREDO CHERCHI	AUS	2002	100 M. BACK			
200 M. I.M.				1:28.47	GARY WEISENTHAL	USA	2008	4:13.84	TOM LANE	USA	1994
5:02.64	TOKUSHI KOMEDA	JPN	2004	1:28.61	MARTIN SCHMIDT	GER	2009	6:01.50	HANS HAHN	GER	2008
5:12.11	WALTER PFEIFER	USA	2003	100 M. BACK				200 M. BACK			
5:43.35	ALDO CAPUTI	ITA	2005	2:22.83	TOSHIJI SATO	JPN	2010	9:04.31	TOM LANE	USA	1994
6:10.88	JOHN HARRISON	GBR	2005	2:31.61	KAZUNAGA AKUTSU	JPN	2007				
6:25.78	JESSE COON	USA	2000	2:42.01	JOHN HARRISON	GBR	2009				
7:02.80	JIM PENFIELD	USA	1998	2:54.90	NORI YAMAMOTO	JPN	2005				
7:08.31	PETER JURCZYK	USA	1996	3:04.37	GARY WEISENTHAL	USA	2008				
7:23.22	ANDREW KALLUNKI	USA	1995	3:15.35	ALDO CAPUTI	ITA	2010				
7:25.47	HARUO ENDO	JPN	2002	3:19.14	TOM LANE	USA	1992				
400 M. I.M.				3:19.24	JARING TIMMERMAN	CAN	2005				
11:19.91	WALTER PFEIFER	USA	2003	3:32.44	ALFREDO CHERCHI	AUS	2003				