



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

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
26.82 HEATHER HAGEMAN USA 1997
26.89 ANTJE WIPPICH GER 2007
26.90 HITOMI NAKAYAMA JPN 2011
26.94 FLORENCIA SZIGETI USA 2008
26.96 MONICA BENVENUTI ITA 2003
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 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
2:06.37 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
2:08.02 TATIANA BARBOSA BRA 2006
400 M. FREE
4:13.03 SHEILA TAORMINA USA 1996
4:16.31 RACHEL KOMISARZ USA 2001
4:18.62 SOPHIE CASSON GBR 2011
4:23.81 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
4:30.54 S.PALMERWHITE AUS 1992
800 M. FREE
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
9:22.57 BIANCA DE BRUIJN NED 2009
1500 M. FREE
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
17:55.84 EVA MORTENSEN GBR 1996
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
30.52 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
31.05 PAMELA HANSON USA 2005
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
1:06.70 TAKAMI IGARASHI JPN 2010
1:07.13 PAMELA HANSON USA 2005
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
2:25.98 J.ADAMS GBR 1987
2:26.27 C.GIBSON CAN 1986
2:26.55 DILETTA LUGANO ITA 2009
50 M. BRST
31.60 MEGAN JENDRICK USA 2010
32.01 S.SEMINATORE ITA 1989
32.65 NICOLE HEIDEMANN GER 2009
32.79 MANUELA NACKEL GER 2000
33.54 SILKE HORNER GER 1994
33.60 PETRA MARTIN USA 2005
33.63 LAURA GLASS USA 2009
33.68 HITOMI MATSUDA JPN 2006
33.72 SUSANNE HOCK GER 2011
33.88 BEATE STEINHOF GER 1992
100 M. BRST
1:10.56 MEGAN JENDRICK USA 2010
1:12.09 BRIGITTE BUCUE 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
1:14.39 SUSANNE HOCK GER 2010
1:14.97 BRITTA O'LEARY USA 2011
1:14.97 KATJA BRASCHOSS GER 2006
1:15.01 A.JANITZKI GER 2009
200 M. BRST
2:35.46 HITOMI MATSUDA JPN 2006
2:35.82 NICOLE HEIDEMANN GER 2009
2:37.68 KATIE HENDERSON GBR 2009
2:38.22 KATJA BRASCHOSS GER 2006
2:42.02 SHARRON DAVIES GBR 1990
2:42.96 BRITTA O'LEARY USA 2011
2:43.06 CLAIRE DESDOIT FRA 2010
2:43.17 A.JANITZKI GER 2009
2:43.69 LOUISE HENLEY GBR 2010

2:43.79 SUSANNE HOCK GER 2011
50 M. FLY
27.90 LINDA LUND TIETZE DEN 2010
28.09 MARJA PARSSINEN FIN 1997
28.14 YUKO NAKANISHI JPN 2010
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
28.72 SHELLEY JOHNSTON USA 2006
100 M. FLY
1:01.04 RACHEL KOMISARZ USA 2001
1:02.73 YUKO NAKANISHI JPN 2010
1:03.18 SHELLEY 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
2:21.98 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
2:24.99 ANDREA SIMAKOVA CZE 2003
2:25.36 MARIT BLOMER GER 2009
2:25.45 SARA L SHAND USA 1989
2:25.64 PAMELA HANSON USA 2005
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
5:11.82 MARIT BLOMER GER 2009
5:12.22 LYNNE BLOMBERG USA 1989
5:12.46 KARLYN PIPES USA 1987

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



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26.59	PASCALE VERBAUWEN	BEL	1993	30.94	DIANE GALLAS	USA	1996	28.95	HITOMI MATSUDA	JPN	2007
26.75	TRACIE MOLL	USA	1998	31.03	KIKKI MYHRBRO	NED	1994	29.07	ALFONSINA IRACE	ITA	2010
26.94	DOMINIQUE DIEZI	USA	2008	31.24	PASCALE VERBAUWEN	BEL	1996	100 M. FLY			
26.95	NADINE ROLLAND	CAN	2005	100 M. BACK				58.81	MARTINA MORAVCOVA	USA	2008
100 M. FREE				1:01.78	NORIKO INADA	USA	2011	1:00.03	ANGEL MARTINO	USA	2000
55.24	ERIKA ERNDL	USA	2009	1:03.78	SARABETH METZGER	USA	2009	1:01.19	L. CARVALHO	AUS	2010
55.62	MARTINA MORAVCOVA	USA	2008	1:04.40	KANA OHASHI	JPN	2009	1:01.79	HITOMI MATSUDA	JPN	2009
57.09	ANGEL MARTINO	USA	2000	1:05.42	DIANE GALLAS	USA	1996	1:03.93	TRACIE MOLL	USA	1998
58.01	PASCALE VERBAUWEN	BEL	1993	1:05.45	KANA YAMAGUCHI	JPN	2010	1:04.08	LAURA BIANZANI	ITA	2004
58.09	S.NEILSON-BELL	USA	1988	1:05.54	K.PIPES-NEILSEN	USA	1996	1:04.43	K.PIPES-NEILSEN	USA	1996
58.20	HITOMI MATSUDA	JPN	2010	1:07.13	M.RIVERA	VEN	2004	1:04.51	NADINE ROLLAND	CAN	2005
58.38	TRACIE MOLL	USA	1998	1:07.34	PASCALE VERBAUWEN	BEL	1996	1:04.67	SARABETH METZGER	USA	2009
58.85	HANNAH CALDAS	USA	2011	1:07.63	JOANNA CORBEN	GBR	2002	1:04.80	PASCALE VERBAUWEN	BEL	1996
58.87	DOMINIQUE DIEZI	USA	2008	1:07.97	MARTIE MC KINNEY	USA	1995	200 M. FLY			
58.95	KARIN SEICK	GER	1994	200 M. BACK				2:13.60	METTE JACOBSEN	DEN	2006
200 M. FREE				2:17.61	SARABETH METZGER	USA	2009	2:20.07	EVGUENIA OJOGUINA	RUS	1999
2:04.05	DAWN HECKMAN	USA	2011	2:17.73	K.PIPES-NEILSEN	USA	1996	2:20.12	K.PIPES-NEILSEN	USA	1996
2:04.62	HITOMI MATSUDA	JPN	2009	2:18.19	KANA YAMAGUCHI	JPN	2010	2:21.46	LAURA BIANZANI	ITA	2004
2:06.80	K.PIPES-NEILSEN	USA	1996	2:18.26	KANA OHASHI	JPN	2009	2:21.50	HITOMI MATSUDA	JPN	2007
2:07.84	BETH KNIGHT	USA	1989	2:21.26	DIANE GALLAS	USA	1996	2:22.57	HIDEKA KOSHIMIZU	JPN	1995
2:07.87	KATJA TROSIEN	GER	2007	2:22.52	JOANNA CORBEN	GBR	2002	2:23.26	MARTIE MC KINNEY	USA	1995
2:08.26	ANGEL MARTINO	USA	2000	2:23.47	DAPHNE FUCHS	GER	1993	2:23.35	MELISSA VARLAS	USA	2005
2:08.29	KIRSTEN CAMERON	NZL	2007	2:24.09	JO SWATTON	GBR	2001	2:23.39	L. CARVALHO	AUS	2011
2:09.12	LYNN MARSHALL	CAN	1992	2:25.67	GITTE RAAGAARD	DEN	2004	2:24.34	SANDIE EASTON	USA	2002
2:09.14	NADINE DAY	USA	2004	2:26.56	ORIANA BURGIO	ITA	2010	200 M. I.M.			
2:09.46	ARLETTE ALEXANDER	GER	2009	50 M. BRST				2:13.89	ERIKA ERNDL	USA	2009
400 M. FREE				32.42	HITOMI MATSUDA	JPN	2009	2:19.28	HITOMI MATSUDA	JPN	2010
4:18.63	DAWN HECKMAN	USA	2011	32.77	YUKO SAKAGUCHI	JPN	2009	2:23.12	K.PIPES-NEILSEN	USA	1996
4:25.60	HITOMI MATSUDA	JPN	2008	33.20	KATIE MCCLELLAND	USA	2008	2:23.50	SARABETH METZGER	USA	2009
4:27.11	KIRSTEN CAMERON	NZL	2007	33.66	ISABEL FIGUEIRA	POR	2009	2:24.12	NADINE DAY	USA	2004
4:28.76	K.PIPES-NEILSEN	USA	1996	33.84	WENKE HANSEN	USA	1999	2:25.90	WENKE HANSEN	USA	2000
4:30.38	BETH L KNIGHT	USA	1991	33.92	LAURA GLASS	USA	2010	2:26.17	YVETTA HLAVACOVA	CZE	2005
4:31.82	KELLY HIGGINS	AUS	2011	34.19	HANNAH CALDAS	USA	2011	2:26.41	HIDEKA KOSHIMIZU	JPN	1995
4:31.93	SUSAN PORTER	USA	1994	34.33	SILVA PULFRICH	GER	2009	2:26.61	A.JANITZKI	GER	2010
4:32.52	LISA HAZEN	USA	1995	34.41	FIONA MARSHALL	GBR	2009	2:27.01	HIDEKO HIRANAKA	JPN	2003
4:33.02	HEIDI GEORGE	USA	2009	34.46	S.HORNER-SCHUCK	GER	1995	400 M. I.M.			
4:33.08	SUSAN PAMELIA	USA	1986	100 M. BRST				4:56.08	HITOMI MATSUDA	JPN	2009
800 M. FREE				1:10.10	HITOMI MATSUDA	JPN	2009	5:03.97	K.PIPES-NEILSEN	USA	1996
8:46.47	DAWN HECKMAN	USA	2011	1:13.29	KATIE MCCLELLAND	USA	2008	5:05.05	HIDEKA KOSHIMIZU	JPN	1995
9:13.22	KIRSTEN CAMERON	NZL	2007	1:14.53	WENKE HANSEN	USA	1999	5:09.93	NADINE DAY	USA	2004
9:16.82	LYNN MARSHALL	CAN	1992	1:14.95	ISABEL FIGUEIRA	POR	2009	5:09.95	A.JANITZKI	GER	2010
9:17.54	YVETTA HLAVACOVA	CZE	2005	1:15.18	A.JANITZKI	GER	2010	5:11.39	KAREN BURTON	USA	1992
9:19.96	SUSAN PORTER	USA	1994	1:15.18	YUKO SAKAGUCHI	JPN	2009	5:13.97	SUSAN PORTER	USA	1994
9:20.20	BETH L KNIGHT	USA	1991	1:15.45	NADINE DAY	USA	2004	5:14.75	ANNE VELEZ	FRA	2010
9:21.60	KELLY HIGGINS	AUS	2011	1:15.50	CYNTHIA LEWIN	USA	2009	5:15.13	SANDIE EASTON	USA	2002
9:22.73	KAREN BURTON	USA	1996	1:15.56	KYLA STEENHART	GBR	2008	5:15.37	VALERIE HADD	CAN	2010
9:24.66	KARLYN PIPES	USA	1995	1:15.62	KAREN JACKSON	GBR	2004	*****			
9:24.87	MARY ROEBUCK	USA	1994	200 M. BRST				*****			
1500 M. FREE				2:28.93	HITOMI MATSUDA	JPN	2009	*****			
17:11.25	HEIDI GEORGE	USA	2009	2:40.90	A.JANITZKI	GER	2010	*****			
17:32.48	DAWN HECKMAN	USA	2008	2:41.51	WENKE HANSEN	USA	1999	50 M. FREE			
17:38.70	KAREN BURTON	USA	1996	2:41.63	KATIE MCCLELLAND	USA	2008	25.98	DARA TORRES	USA	2006
17:43.52	KIRSTEN CAMERON	NZL	2007	2:43.21	KATIE HENDERSON	GBR	2011	26.53	EDITH OTTERMANN	RSA	2004
17:48.44	K.PIPES-NEILSEN	USA	1996	2:44.61	CYNTHIA LEWIN	USA	2009	26.65	ERIKA BRAUN	USA	2011
17:48.60	LISA HAZEN	USA	1996	2:45.20	KYLA STEENHART	NZL	2008	26.66	TRACIE MOLL	USA	1999
17:53.28	HITOMI MATSUDA	JPN	2007	2:45.22	SATSUKI HIRUKAWA	JPN	2011	26.68	S.NEILSON-BELL	USA	1996
17:55.58	BETH L KNIGHT	USA	1991	2:45.80	KAREN JACKSON	GBR	2004	26.85	PEGGY GROSS	USA	2004
18:02.01	AMY POPE	USA	1991	2:46.53	KATERINA UVAROVA	UKR	2011	27.09	SHERI HART	USA	2006
18:04.42	SUSAN PAMELIA	USA	1986	50 M. FLY				27.09	M DRUECKHAMMER	USA	2002
50 M. BACK				27.48	MARTINA MORAVCOVA	USA	2009	27.11	EKATERINA YUDINA	RUS	2011
28.79	NORIKO INADA	USA	2011	27.59	ANGEL MARTINO	USA	2000	27.14	MELINDA MAROSI	HUN	2005
28.95	MAI NAKAMURA	JPN	2009	27.73	NADINE ROLLAND	CAN	2008	100 M. FREE			
29.55	MARTINA MORAVCOVA	USA	2009	28.26	NORIKO INADA	JPN	2011	58.87	S.NEILSON-BELL	USA	1995
29.70	KANA OHASHI	JPN	2009	28.38	MABI TSUKIOKA	JPN	2009	58.94	BETH KNIGHT	USA	1994
30.32	KANA YAMAGUCHI	JPN	2011	28.72	E.BELLINGER	GBR	2008	59.16	SHERI HART	USA	2006
30.45	NADINE ROLLAND	CAN	2008	28.77	TRACIE MOLL	USA	1998	59.20	TRACIE MOLL	USA	1999
30.82	NAHOMI SHIRATA	JPN	2006	28.82	JUNKO ONISHI	JPN	2006	59.21	K.PIPES-NEILSEN	USA	1997



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59.26	MEGAN OESTING	USA	2009	1:07.93	MARIA RIVERA	VEN	2010	1:05.39	SUSAN HALFACRE	USA	1988
59.29	M DRUECKHAMMER	USA	2002	1:07.94	CINDY MABEE	CAN	2008	1:05.87	PASCALE VERBAUWEN	BEL	1998
59.47	MELINDA MAROSI	HUN	2005	1:08.11	MARIANNE KRIEL	RSA	2006	1:05.90	SILVIA PAROCCHI	ITA	2005
59.48	PEGGY GROSS	USA	2004	1:08.33	NAHOMI SHIRATA	JPN	2011	200 M. FLY			
59.53	SHEILA TAORMINA	USA	2006	200 M. BACK				2:20.21	K.PIPES-NEILSEN	USA	1997
200 M. FREE				2:18.20	K.PIPES-NEILSEN	USA	1997	2:26.36	SHEILA TAORMINA	USA	2006
2:06.62	K PIPES-NEILSEN	USA	1998	2:22.07	JODY SMITH	USA	2008	2:26.38	LAURA B VAL	USA	1989
2:07.64	SHEILA TAORMINA	USA	2006	2:22.92	SHERI HART	USA	2006	2:26.71	KRISTINA ULVELING	USA	2008
2:08.71	TRACIE MOLL	USA	1999	2:23.47	JOANNA CORBEN	GBR	2005	2:27.21	NICOLA LATTY	GBR	2007
2:08.75	KIRSTEN CAMERON	NZL	2009	2:24.52	PASCALE VERBAUWEN	BEL	1998	2:27.36	ANA PAULA GRILO	POR	2006
2:08.93	CLAUDIA POLL	CRC	2010	2:26.32	TERRY RADAM	USA	2000	2:27.55	DEBBIE YOUNGER	CAN	2005
2:08.93	BETH KNIGHT	USA	1994	2:26.44	SILVIA PAROCCHI	ITA	2003	2:27.70	EVGENIYA OZHOGINA	RUS	2004
2:09.33	SUSAN HALFACRE	USA	1988	2:26.58	C.J-SPONCELLER	SWE	2010	2:27.73	NADINE DAY	USA	2007
2:09.70	MELANIA BUSSIÈRE	CAN	2008	2:26.66	ZENA HERRMANN	USA	1994	2:28.46	KYOKO YAMADA	JPN	2010
2:10.14	LAUREEN WELTING	USA	2001	2:27.38	GISELI PEREIRA	BRA	2011	200 M. I.M.			
2:10.28	JILL HERNANDEZ	USA	1999	50 M. BRST				2:22.42	K.PIPES-NEILSEN	USA	1997
400 M. FREE				33.10	R.CRESCENTINI	ITA	2011	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
4:31.35	BETH KNIGHT	USA	1994	33.85	ANNA-KARIN LUNDIN	SWE	2011	2:28.83	SILVIA PAROCCHI	ITA	2004
4:32.57	SHEILA TAORMINA	USA	2006	33.91	CAROLINE KRATTLI	USA	2001	2:28.93	JUDITH LALLIER	USA	1994
4:33.08	SUSAN HALFACRE	USA	1988	34.36	KELLY LEGASPI	USA	2009	2:28.97	KATHERINE VEALE	GBR	2001
4:34.20	SUSAN PAMELIA	USA	1987	34.41	L.WETZEL-OSBORNE	USA	1989	2:29.17	KARIN SEICK	GER	1996
4:35.19	VALERIA VERGANI	ITA	2006	34.51	MARIT BREITFELD	GER	2010	2:29.18	NADINE DAY	USA	2006
4:35.74	ANA PAULA GRILO	POR	2006	34.70	S.SEMINATORE	ITA	2003	2:29.30	JILL HERNANDEZ	USA	1999
4:35.89	JACQUI ROBINSON	AUS	2008	34.78	SABINA VITALONI	ITA	2009	400 M. I.M.			
4:37.09	LAUREEN WELTING	USA	2001	100 M. BRST				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	5:22.15	K.WULFF-HOPPE	GER	2003
9:26.17	JACQUI ROBINSON	AUS	2008	1:16.09	R.CRESCENTINI	ITA	2010	5:22.50	ANA PAULA GRILO	POR	2006
9:27.70	VALERIA VERGANI	ITA	2006	1:16.71	MONIKA MESSNER	AUT	2010	5:24.81	JUNE FORD	USA	1997
9:29.55	JILL HERNANDEZ	USA	1999	1:17.33	MARIT BREITFELD	GER	2010	*****			
9:30.91	ANA PAULA GRILO	POR	2006	200 M. BRST				WOMEN 40-44			
1500 M. FREE				2:41.76	CAROLINE KRATTLI	USA	2001	*****			
17:33.46	KIRSTEN CAMERON	NZL	2009	2:45.98	CYNTHIA LEWIS	USA	2010	50 M. FREE			
17:46.58	K PIPES-NEILSEN	USA	2000	2:46.73	KELLY LEGASPI	USA	2009	25.68	DARA TORRES	USA	2011
17:59.12	BETH KNIGHT	USA	1994	2:47.19	SYLVIA GERASCH	GER	2004	26.44	EDITH OTTERMANN	RSA	2009
18:07.43	LYNN MARSHALL	CAN	1996	2:47.34	MARIT BREITFELD	GER	2010	26.88	MARIA DOELGER	USA	2003
18:09.36	LISA HAZEN	USA	1999	2:47.83	YUKA KAWAI	JPN	2011	26.95	JUNKO NAKANO	JPN	2008
18:12.11	SUSAN PAMELIA	USA	1987	2:47.95	ANNETT REX	GER	2004	26.97	ELIZABETH EMERY	USA	2002
18:13.21	ALISON ZAMANIAN	USA	2008	2:48.09	MONIKA MESSNER	AUT	2010	27.18	JENNIE BUCKNELL	AUS	2009
18:15.93	LAURIE DODD	USA	2011	2:49.27	YUKO MORITA	JPN	2011	27.28	ANN WORTHINGTON	USA	2006
18:17.10	VALERIA VERGANI	ITA	2006	2:49.38	MARIT BOHM	GER	2011	27.39	S.NEILSON-BELL	USA	1996
18:25.65	N.MUIR-COCHRANE	GBR	2000	50 M. FLY				27.53	MELINDA MAROSI	HUN	2011
50 M. BACK				28.03	LYNNE HAYES	AUS	2009	27.55	SABINE LEIDING	GER	2011
30.17	SHERI HART	USA	2010	28.25	R.CRESCENTINI	ITA	2011	100 M. FREE			
31.22	MARIA RIVERA	VEN	2010	28.32	TRACIE MOLL	USA	1999	58.43	MARIA DOELGER	USA	2003
31.24	GISELI PEREIRA	BRA	2011	28.67	JUNKO ONISHI	JPN	2010	59.13	ELIZABETH EMERY	USA	2002
31.27	PASCALE VERBAUWEN	BEL	2001	28.73	PASCALE VERBAUWEN	BEL	2001	59.59	K PIPES-NEILSEN	USA	2004
31.28	CINDY MABEE	CAN	2008	28.75	KRISTINA ULVELING	USA	2009	1:00.39	BEVERLEY MCCARNEY	RSA	2004
31.31	K PIPES-NEILSEN	USA	1999	29.09	MELANIA BUSSIÈRE	CAN	2008	1:00.40	S.VON DER LIPPE	USA	2009
31.50	NAHOMI SHIRATA	JPN	2011	29.22	EKATERINA YUDINA	RUS	2011	1:00.41	FALL WILLEBOORDSE	USA	2009
31.58	MARIANNE KRIEL	RSA	2006	29.27	SUSAN HALFACRE	USA	1988	1:00.63	S.NEILSON-BELL	USA	1996
31.71	JODY SMITH	USA	2008	29.27	M DRUECKHAMMER	USA	2002	1:00.73	KIMBERLY STEVENS	USA	2009
31.73	ERIKA BRAUN	USA	2011	100 M. FLY				1:00.95	SILVIA PAROCCHI	ITA	2007
100 M. BACK				1:02.44	LYNNE HAYES	AUS	2009	1:01.02	DANIELA DEPONTI	ITA	2009
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				



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2:13.09	JODY SMITH	USA	2009	2:28.36	KRISTIN GARY	USA	2008	2:30.42	ANA PAULA GRILO	ESP	2009
2:13.10	JILL HERNANDEZ	USA	2000	2:30.17	ELLEN REYNOLDS	USA	2008	2:30.47	BIRGIT LOHBERG	USA	2007
2:13.38	C PETERSEN	USA	2004	2:31.28	LISA WARD	USA	2008	2:31.80	SANDIE EASTON	USA	2009
2:13.48	ANA PAULA GRILO	ESP	2009	2:31.34	LAURA SMITH	USA	2008	2:32.02	NICOLA LATTY	GBR	2011
2:13.53	LAUREEN WELTING	USA	2008	2:31.66	BETH BAKER	USA	2001	200 M. I.M.			
2:13.55	SUSAN DOMBKOWSKI	USA	2006	50 M. BRST				2:25.03	S.VON DER LIPPE	USA	2007
400 M. FREE				33.14	LINLEY FRAME	AUS	2011	2:25.38	K PIPES-NEILSEN	USA	2003
4:22.87	JANET EVANS	USA	2011	33.25	S.VON DER LIPPE	USA	2006	2:29.80	CAROLINE KRATTLI	USA	2002
4:28.24	K PIPES-NEILSEN	USA	2002	33.44	S.BONDARENKO	UKR	2011	2:30.89	ANA PAULA GRILO	ESP	2009
4:34.33	AMANDA PICARD	SUI	2008	33.79	CAROLINE KRATTLI	USA	2002	2:30.96	JILL HERNANDEZ	USA	2000
4:34.33	SUSAN PRESTON	USA	2006	34.20	S.SEMINATORE	ITA	2004	2:31.45	ANGELA DELISSEN	GER	2009
4:35.74	PENNY PALFREY	AUS	2002	34.97	DAGMAR HILBIG	GER	2000	2:31.84	MARZENA KULIS	ITA	2006
4:36.26	SUSAN DOMBKOWSKI	USA	2006	35.13	MARZENA KULIS	ITA	2008	2:31.91	FALL WILLEBOORDSE	USA	2010
4:38.69	ALISON ZAMANIAN	USA	2011	35.46	KEIKO OKAMOTO	JPN	2009	2:32.01	HELEN WHITFORD	AUS	2008
4:38.69	JILL HERNANDEZ	USA	2000	35.59	H.MORRIS-EYTON	RSA	2009	2:32.07	LAUREEN WELTING	USA	2008
4:39.66	LISA HAZEN	USA	2006	35.68	SABINA VITALONI	ITA	2011	400 M. I.M.			
4:39.82	S HEIM-BOWEN	USA	1999	100 M. BRST				5:09.83	K PIPES-NEILSEN	USA	2004
800 M. FREE				1:13.34	S.VON DER LIPPE	USA	2006	5:21.32	JILL HERNANDEZ	USA	2000
8:59.06	JANET EVANS	USA	2011	1:13.79	LINLEY FRAME	AUS	2011	5:21.87	MARZENA KULIS	ITA	2006
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	1:14.63	S.BONDARENKO	UKR	2011	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	2011	5:27.97	S.REIBEL-OBERLE	GER	2006
9:34.55	N.MUIR-COCHRANE	GBR	2004	1:17.27	S.SEMINATORE	ITA	2004	5:28.17	REBECCA PERROTT	NZL	2002
9:36.13	SUSAN DOMBKOWSKI	USA	2006	1:18.44	KELLY LEGASPI	USA	2011				
9:39.53	C PETERSEN	USA	2004	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	2:42.06	CAROLINE KRATTLI	USA	2002	*****			
18:14.34	SUZ HEIM-BOWEN	USA	1998	2:43.17	MARZENA KULIS	ITA	2006	50 M. FREE			
18:15.98	N.MUIR-COCHRANE	GBR	2004	2:49.37	WENKE SEIDER	USA	2011	26.59	EDITH OTTERMANN	RSA	2011
18:25.26	JILL HERNANDEZ	USA	2000	2:49.84	LINLEY FRAME	AUS	2011	27.26	JENNIE BUCKNELL	AUS	2011
18:25.28	LYNN MARSHALL	CAN	2002	2:49.95	KEIKO OKAMOTO	JPN	2009	27.44	SUSAN WALSH	USA	2007
18:43.69	JANET EVANS	USA	2011	2:49.95	DAGMAR HILBIG	GER	1999	27.67	FALL WILLEBOORDSE	USA	2011
18:44.49	LESLEIGH MAYES	AUS	2001	2:51.88	NADINE DAY	USA	2010	27.76	BRIGITTE HEUER	USA	2006
18:45.43	GALEN RINALDI	USA	2011	2:51.99	KELLY LEGASPI	USA	2011	27.78	JUNKO NAKANO	JPN	2011
18:46.06	JILL GELLATLY	USA	2010	50 M. FLY				27.78	BETH LUTZ KNIGHT	USA	2005
50 M. BACK				28.52	S.VON DER LIPPE	USA	2009	27.79	ANETTE PHILIPSSON	SWE	2010
31.49	CINDY MABEE	CAN	2009	28.97	ELIZABETH EMERY	USA	2002	27.81	LISA DAHL	USA	2006
31.63	JODY SMITH	USA	2009	29.02	EDITH OTTERMANN	RSA	2010	28.07	BERGER-TALOCCHINO	FRA	2002
31.69	JUNKO NAKANO	JPN	2008	29.13	SILVIA PAROCCHI	ITA	2007	100 M. FREE			
31.90	MONICA SORO	ITA	2011	29.29	MARIA DOELGER	USA	2003	59.79	K.PIPES-NEILSEN	USA	2007
31.97	SYLVIE ALLERY	FRA	2009	29.35	K PIPES-NEILSEN	USA	2002	1:00.16	SUSAN WALSH	USA	2007
31.99	BEVERLEY MCCARNEY	RSA	2004	29.59	YOKO YAMAGUCHI	JPN	2010	1:00.78	JENNIE BUCKNELL	AUS	2011
32.11	FALL WILLEBOORDSE	USA	2010	29.59	BETH BAKER	USA	2001	1:00.95	BETH LUTZ KNIGHT	USA	2005
32.14	FRANCA BOSISIO	ITA	2009	29.64	NATALIYA MATVEEVA	RUS	2007	1:01.03	REBECCA PERROTT	NZL	2008
32.15	HELEN WHITFORD	AUS	2008	29.67	BEVERLEY MCCARNEY	RSA	2004	1:01.39	SARAH MACDONALD	CAN	2005
32.19	K PIPES-NEILSEN	USA	2002	100 M. FLY				1:01.60	FALL WILLEBOORDSE	USA	2011
100 M. BACK				1:03.36	S.VON DER LIPPE	USA	2009	1:01.92	KATHY GARNIER	USA	2006
1:07.06	CINDY MABEE	CAN	2009	1:04.74	K PIPES-NEILSEN	USA	2003	1:02.11	SUZANN HEIM-BOWEN	USA	2003
1:07.21	JODY SMITH	USA	2009	1:05.33	SILVIA PAROCCHI	ITA	2007	1:02.15	ANETTE PHILIPSSON	SWE	2011
1:07.69	K PIPES-NEILSEN	USA	2003	1:05.61	BETH BAKER	USA	2001	200 M. FREE			
1:08.21	SYLVIE ALLERY	FRA	2009	1:05.80	BEVERLEY MCCARNEY	RSA	2004	2:10.09	K.PIPES-NEILSEN	USA	2009
1:08.32	HELEN WHITFORD	AUS	2008	1:06.27	LAURA VAL	USA	1992	2:12.76	BETH LUTZ KNIGHT	USA	2005
1:08.33	KRISTIN GARY	USA	2008	1:06.40	MARZENA KULIS	ITA	2007	2:13.17	SUZANN HEIM-BOWEN	USA	2003
1:08.64	SILVIA PAROCCHI	ITA	2007	1:06.41	MARIA DOELGER	USA	2003	2:13.27	ELENE JONES	USA	2009
1:08.87	FALL WILLEBOORDSE	USA	2010	1:06.73	DANIELA DE PONTI	ITA	2006	2:13.55	REBECCA PERROTT	NZL	2008
1:09.88	BETH BAKER	USA	2001	1:06.88	BARBARA GELLRICH	GER	2003	2:13.85	JILL HERNANDEZ	USA	2005
1:09.97	LISA WARD	USA	2008	200 M. FLY				2:14.84	SUSANNE SIMPSON	USA	2005
200 M. BACK				2:24.77	K PIPES-NEILSEN	USA	2003	2:15.21	SUSANNA ROSEN	SWE	2009
2:23.18	SILVIA PAROCCHI	ITA	2009	2:24.78	S.VON DER LIPPE	USA	2006	2:15.69	JENNIE BUCKNELL	AUS	2011
2:23.18	JODY SMITH	USA	2009	2:25.15	SUSAN PRESTON	USA	2006	2:15.88	LYNN MARSHALL	CAN	2008
2:23.64	K PIPES-NEILSEN	USA	2003	2:29.11	KAREN HIGGISON	AUS	2009	400 M. FREE			
2:27.11	HELEN WHITFORD	AUS	2008	2:29.37	SUSANNE SIMPSON	USA	2002	4:35.84	K.PIPES-NEILSEN	USA	2008
2:27.78	JOANNA CORBEN	GBR	2010	2:29.81	BETH BAKER	USA	2001	4:37.74	ELENE JONES	USA	2009
								4:39.20	SUZANN HEIM-BOWEN	USA	2003



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4:41.63	LYNN MARSHALL	CAN	2010	34.74	MAGGIE KELLY	GBR	2001	2:34.17	ANETTE PHILIPSSON	SWE	2010
4:43.14	SUSANNE SIMPSON	USA	2008	35.12	ALBENA POPOVA	ITA	2009	2:35.13	LISA WARD	USA	2009
4:44.23	C.PETERSEN	USA	2009	35.60	KIM CROUCH	USA	2008	2:35.33	SILVIA PAROCCHI	ITA	2011
4:44.38	CLAUDIA KERN	GER	2009	35.69	FALL WILLEBOORDSE	USA	2011	2:35.64	CECILIA STANFORD	RSA	2006
4:45.57	JILL HERNANDEZ	USA	2005	35.99	JENNY WHITELEY	AUS	2003	2:35.74	COLETTE CRABBE	USA	2003
4:45.65	SUSANNA ROSEN	SWE	2009	36.08	K.PIPES-NEILSEN	USA	2007	400 M. I.M.			
4:46.14	MARGEE CURRAN	USA	2009	100 M. BRST				5:13.85	K.PIPES-NEILSEN	USA	2008
800 M. FREE				1:13.49	MARZENA KULIS	ITA	2009	5:27.67	JILL HERNANDEZ	USA	2005
9:24.11	K.PIPES-NEILSEN	USA	2007	1:14.41	S.VON DER LIPPE	USA	2010	5:27.86	REBECCA PERROTT	NZL	2008
9:24.53	SUZANN HEIM-BOWEN	USA	2003	1:15.65	CAROLINE KRATTLI	USA	2007	5:29.68	MARZENA KULIS	ITA	2009
9:36.86	ELENE JONES	USA	2008	1:17.16	MONICA CORO	ITA	2011	5:33.11	LYNN MARSHALL	CAN	2009
9:40.27	LYNN MARSHALL	CAN	2008	1:18.19	MAGGIE KELLY	GBR	2001	5:33.23	ELLEN REYNOLDS	USA	2010
9:40.64	CLAUDIA KERN	GER	2009	1:19.49	JENNY WHITELEY	AUS	2003	5:35.38	VIBEKE SWANSON	USA	2007
9:43.99	SUSANNA ROSEN	SWE	2009	1:20.89	K.PIPES-NEILSEN	USA	2009	5:37.68	COLETTE CRABBE	USA	2002
9:45.99	REBECCA PERROTT	NZL	2008	1:20.99	CORRIN POPPS	USA	2009	5:39.29	CECILIA STANFORD	RSA	2008
9:46.88	SUSANNE SIMPSON	USA	2008	1:21.15	ELKE SCHMITZ	GER	2009	5:40.19	S.REIBEL-OBERLE	GER	2011
9:47.56	MARGEE CURRAN	USA	2009	1:21.30	LISA WARD	USA	2009	*****			
9:52.94	TERESA GARCIA	ESP	2010	200 M. BRST				WOMEN 50-54			
1500 M. FREE				2:40.42	MARZENA KULIS	ITA	2009	*****			
17:55.83	SUZANN HEIM-BOWEN	USA	2003	2:45.20	CAROLINE KRATTLI	USA	2007	50 M. FREE			
18:10.28	ELENE JONES	USA	2008	2:50.94	CLAUDIA KERN	GER	2009	28.22	LAURA VAL	USA	2001
18:12.63	LYNN MARSHALL	CAN	2009	2:51.02	JUDIT HAJDU	AUT	2007	28.25	JENNY WHITELEY	AUS	2009
18:44.29	K.PIPES-NEILSEN	USA	2008	2:53.27	K.PIPES-NEILSEN	USA	2008	28.41	SARAH MACDONALD	CAN	2010
18:54.47	MAITE GARCIA	ESP	2011	2:54.17	MONICA CORO	ITA	2011	28.41	ANGELA ZINGLER	GER	2005
19:09.25	NORMA CAHILL	IRL	2010	2:55.96	JENNY WHITELEY	AUS	2003	28.46	JACKI HIRSTY	USA	2003
19:09.53	N.MUIR-COCHRANE	GBR	2009	2:57.24	COLETTE CRABBE	USA	2001	28.55	KATHY GARNIER	USA	2010
19:10.50	C.PETERSEN	USA	2011	2:57.38	ULRIKE URBANIAK	GER	1998	28.77	J SWAGERTY-HILL	USA	2002
19:13.05	C.TARANTINO	ITA	2004	2:58.57	AMANDA HEATH	GBR	2004	28.85	ANN SENN	USA	2009
19:13.68	ANDREA BLOCK	USA	2009	50 M. FLY				28.86	LISA DAHL	USA	2011
50 M. BACK				28.97	EDITH OTTERMANN	RSA	2011	28.95	LIZ HOBBS	USA	2011
31.71	VALERIE JENKINS	USA	2008	29.12	S.VON DER LIPPE	USA	2010	100 M. FREE			
31.85	SUSAN WALSH	USA	2007	29.37	LAURIE DITOMMASO	USA	2009	1:01.13	LAURA VAL	USA	2001
31.99	LESLIE LIVINGSTON	USA	2009	29.52	K.PIPES-NEILSEN	USA	2008	1:02.31	S.HEIM-BOWEN	USA	2008
32.08	SHIZUKO HIRAISHI	JPN	2009	29.57	LISA DAHL	USA	2009	1:02.95	SARAH MACDONALD	CAN	2010
32.10	K.PIPES-NEILSEN	USA	2007	29.74	LESLIE LIVINGSTON	USA	2009	1:02.95	SHANE GOULD	AUS	2008
32.11	ELLEN REYNOLDS	USA	2010	29.84	SUSAN WALSH	USA	2007	1:02.99	JILL HERNANDEZ	USA	2011
32.53	SUSAN WILLIAMS	USA	2011	29.89	SHIZUKO HIRAISHI	JPN	2008	1:03.32	JENNY WHITELEY	AUS	2009
32.56	FALL WILLEBOORDSE	USA	2011	29.90	NATALIYA MATVEEVA	RUS	2010	1:03.58	JACKI HIRSTY	USA	2003
32.65	VERA CAPKOVA	BEL	2006	30.01	LISA WARD	USA	2009	1:03.70	KATHY GARNIER	USA	2010
32.73	HIROKO NOGUCHI	JPN	2010	100 M. FLY				1:03.78	ENEY JONES	USA	2010
100 M. BACK				1:05.69	K.PIPES-NEILSEN	USA	2008	1:04.21	BARBARA GELLRICH	GER	2011
1:08.11	K.PIPES-NEILSEN	USA	2009	1:06.42	ARLENE DELMAGE	USA	2008	200 M. FREE			
1:08.55	ELLEN REYNOLDS	USA	2010	1:06.65	BIRGIT LOHBERG	USA	2010	2:15.00	S.HEIM-BOWEN	USA	2008
1:09.66	SUSAN WALSH	USA	2007	1:07.18	NATALIYA MATVEEVA	RUS	2010	2:15.37	LAURA VAL	USA	2001
1:11.18	VERA CAPKOVA	BEL	2006	1:07.30	JILL HERNANDEZ	USA	2005	2:16.52	JENNY WHITELEY	AUS	2009
1:11.26	SILVIA PAROCCHI	ITA	2011	1:07.62	SHIZUKO HIRAISHI	JPN	2008	2:17.53	ENEY JONES	USA	2010
1:11.29	FALL WILLEBOORDSE	USA	2011	1:08.02	LAURA VAL	USA	1998	2:17.65	LYNN MARSHALL	CAN	2011
1:11.34	LISA WARD	USA	2009	1:08.09	MARZENA KULIS	ITA	2009	2:17.81	SHANE GOULD	AUS	2008
1:11.68	JENNIE BUCKNELL	AUS	2011	1:08.56	SUSANNE SIMPSON	USA	2005	2:18.09	BARBARA GELLRICH	GER	2011
1:11.68	SALLY BELL	AUS	2007	1:08.60	FALL WILLEBOORDSE	USA	2011	2:20.53	K.PALACE	USA	2011
1:11.87	VIBEKE SWANSON	USA	2007	200 M. FLY				2:22.18	JACKI HIRSTY	USA	2003
200 M. BACK				2:24.34	K.PIPES-NEILSEN	USA	2009	2:22.22	CECILLA STANFORD	RSA	2011
2:26.06	K.PIPES-NEILSEN	USA	2009	2:31.37	LAURA VAL	USA	1998	400 M. FREE			
2:30.41	ELLEN REYNOLDS	USA	2010	2:32.07	SUSANNE SIMPSON	USA	2006	4:41.19	LYNN MARSHALL	CAN	2011
2:31.40	SILVIA PAROCCHI	ITA	2011	2:32.38	TERESA GARCIA	ESP	2010	4:42.37	S.HEIM-BOWEN	USA	2008
2:31.93	LISA WARD	USA	2009	2:32.59	S. PALMER-WHITE	AUS	2009	4:47.93	LAURA VAL	USA	2002
2:33.51	SALLY BELL	AUS	2007	2:33.37	LYNN MARSHALL	CAN	2006	4:48.62	ENEY JONES	USA	2010
2:34.80	SUSAN WALSH	USA	2007	2:34.05	ANDREA BLOCK	USA	2006	4:49.27	JILL HERNANDEZ	USA	2011
2:36.03	LESLEY WILDE	GBR	2004	2:35.32	ARLENE DELMAGE	USA	2007	4:50.37	JENNY WHITELEY	AUS	2008
2:36.19	NAOKO SHIDE	JPN	2009	2:35.38	ROBIN KLESTINEC	USA	2006	4:51.07	BARBARA GELLRICH	GER	2011
2:36.79	LYNN MARSHALL	CAN	2010	2:36.47	BIRGIT LOHBERG	USA	2010	4:51.73	SHANE GOULD	AUS	2008
2:37.62	MISA ESCATLLAR	ESP	2011	200 M. I.M.				4:57.19	JEANNE CARLSEN	CAN	2008
50 M. BRST				2:27.57	K.PIPES-NEILSEN	USA	2008	4:57.20	DENISE BROWN	USA	2009
33.66	S.VON DER LIPPE	USA	2010	2:31.88	MARZENA KULIS	ITA	2009	800 M. FREE			
33.98	CAROLINE KRATTLI	USA	2007	2:31.95	REBECCA PERROTT	NZL	2008	9:38.04	LYNN MARSHALL	CAN	2011
34.05	MARZENA KULIS	ITA	2009	2:32.46	JILL HERNANDEZ	USA	2005	9:48.81	S.HEIM-BOWEN	USA	2008
34.20	MONICA CORO	ITA	2011	2:34.10	CAROLINE KRATTLI	USA	2007				



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Walt Reid – FINA Masters Recorder



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

19:52.61	BARBARA DUNBAR	USA	2004	3:08.66	COLETTE CRABBE	USA	2011	50 M. FREE			
20:06.88	CHRISTIE CIRAULO	USA	2008	3:09.28	JENNIFER MERRITT	GBR	2006	29.31	LAURA VAL	USA	2011
20:17.30	C.TARANTINO	ITA	2010	3:09.57	IRINA SHANGINA	RUS	2011	30.19	SANDERINA KRUGER	RSA	2011
20:31.89	S.LOFTUS-CHARLEY	USA	2010	3:09.85	FRANCES PENWARDEN	GBR	2009	30.42	LYNETTE STEVENSON	AUS	2009
20:38.99	LO KNAPP	USA	2009	3:11.46	INEKE WEEKERS	NED	2009	30.55	ROSARIO VIVANCO	PER	2009
21:09.91	ARDETH MUELLER	USA	1997	3:12.03	ULRIKE URBANIAK	GER	2009	30.73	CHARLOTTE DAVIS	USA	2010
21:10.21	CAROLYN BATTIN	USA	2010	3:13.35	DEB WALKER	USA	2008	31.39	CONNY BOER-BUYS	NED	2010
21:18.31	ANNE BOURNE	GBR	2011	3:13.90	BONNIE PRONK	CAN	2001	31.55	CHRISTEL SCHULZ	GER	2004
21:22.09	AUDREY COOPER	GBR	2009	50 M. FLY				31.60	CAROLYN BOAK	USA	2006
50 M. BACK				31.42	LAURA VAL	USA	2009	31.66	JUDY WILSON	GBR	2004
33.75	LAURA VAL	USA	2010	32.24	JUDY WILSON	GBR	2000	31.84	YOSHIKO KADOSAKA	JPN	2009
35.13	BENEDICTE DUPREZ	FRA	2006	32.38	HEATHER CAMPBELL	NZL	2008	100 M. FREE			
35.55	B BARNETT-SALLEE	USA	2002	32.57	CHRISTIE CIRAULO	USA	2008	1:03.83	LAURA VAL	USA	2011
36.08	SATOKO TAKEUJI	JPN	1998	32.59	PAT SARGEANT	USA	2009	1:06.63	SANDERINA KRUGER	RSA	2009
36.16	MINDY DOUGHERTY	USA	2009	32.89	JANIE COLE	USA	2008	1:07.33	CHARLOTTE DAVIS	USA	2010
36.24	MARY ANNE MYERS	CAN	2010	32.91	CONNY BOER-BUYS	NED	2005	1:08.08	ROSARIO VIVANCO	PER	2009
36.28	MICHIKO KIHARA	JPN	2003	33.26	CHARLOTTE DAVIS	USA	2006	1:09.29	F.WILLIAMSON	USA	2008
36.40	CYNTHIA MALTRY	USA	2009	33.30	H.CAMPBELL	RSA	2010	1:10.29	CONNY BOER-BUYS	NED	2010
36.43	BARBARA STUBBE	GER	2009	33.65	COLETTE CRABBE	USA	2011	1:10.29	CHRISTEL SCHULZ	GER	2004
36.44	PENNY STEELE	AUS	2004	100 M. FLY				1:10.51	RUTH SHAPS	USA	2008
100 M. BACK				1:09.47	LAURA VAL	USA	2009	1:10.60	CAROLYN BOAK	USA	2006
1:14.41	LAURA VAL	USA	2008	1:13.71	JUDY WILSON	GBR	2000	1:10.87	LYNETTE STEVENSON	AUS	2009
1:17.21	BENEDICTE DUPREZ	FRA	2006	1:15.71	N.STEADMAN-MARTIN	USA	2009	200 M. FREE			
1:17.51	B BARNETT-SALLEE	USA	2002	1:16.18	PAT SARGEANT	USA	2008	2:22.86	LAURA VAL	USA	2011
1:18.93	EVIE LYNCH	USA	2008	1:16.60	COLETTE CRABBE	USA	2011	2:29.54	SANDERINA KRUGER	RSA	2010
1:19.45	MINDY DOUGHERTY	USA	2009	1:17.14	CHRISTIE CIRAULO	USA	2008	2:31.50	ROSARIO VIVANCO	PER	2009
1:19.65	SATOKO TAKEUJI	JPN	1997	1:17.61	ELAINE VALDEZ	USA	2010	2:31.98	B.BARNETT-SALLEE	USA	2006
1:20.36	DI COETZEE	RSA	2010	1:18.87	JEANNE LAPPIN	USA	2011	2:36.70	CONNY BOER-BUYS	NED	2010
1:20.58	CYNTHIA MALTRY	USA	2009	1:18.97	BARBARA DUNBAR	USA	2004	2:37.19	CAROLYN BOAK	USA	2006
1:20.71	PAT SARGEANT	USA	2011	1:19.28	BRIGITTE MERTEN	GER	2004	2:37.91	F.WILLIAMSON	USA	2008
1:20.85	BARBARA CHURCH	USA	2009	200 M. FLY				2:38.09	CELESTE MILLER	USA	2011
200 M. BACK				2:41.51	LAURA VAL	USA	2007	2:38.99	CHRISTEL SCHULZ	GER	2002
2:47.52	N.STEADMAN-MARTIN	USA	2009	2:44.16	N.STEADMAN-MARTIN	USA	2009	2:39.17	MARGARETA RAINER	SWE	2009
2:47.98	EVIE LYNCH	USA	2008	2:53.74	BARBARA DUNBAR	USA	2004	400 M. FREE			
2:49.78	C.TARANTINO	ITA	2010	2:56.32	COLETTE CRABBE	USA	2011	5:03.88	LAURA VAL	USA	2011
2:50.46	LAURA VAL	USA	2007	2:58.13	SUSAN SKIFF	UAE	2010	5:21.79	B.BARNETT-SALLEE	USA	2006
2:50.50	MINDY DOUGHERTY	USA	2009	2:58.86	MIRA GUGLIELMI	ITA	2007	5:26.95	ROSARIO VIVANCO	PER	2009
2:51.07	B BARNETT-SALLEE	USA	2002	2:58.89	JUDY WILSON	GBR	2002	5:27.37	BARBARA DUNBAR	USA	2009
2:51.54	BENEDICTE DUPREZ	FRA	2009	3:00.95	SUSANA BARKLEY	ESP	2000	5:30.07	CELESTE MILLER	USA	2011
2:54.56	BARBARA STUBBE	GER	2009	3:01.30	LAURA VACA	MEX	2010	5:32.20	S.LOFTUS-CHARLEY	USA	2011
2:54.65	KAREN EINSIDLER	USA	2011	3:01.50	ELAINE VALDEZ	USA	2010	5:33.08	F.WILLIAMSON	USA	2008
2:54.68	B.STATKEVICIENE	LTU	2009	200 M. I.M.				5:34.28	MARGARETA RAINER	SWE	2009
50 M. BRST				2:43.45	LAURA VAL	USA	2008	5:35.35	CONNY BOER-BUYS	NED	2011
38.30	JAN WICKS	AUS	2001	2:46.91	LO KNAPP	USA	2009	5:35.45	ANN CAMPBELL	AUS	2009
38.34	DAGMAR FRESE	GER	2011	2:47.18	COLETTE CRABBE	USA	2011	800 M. FREE			
39.01	MONIKA SENFTLEBEN	GER	2001	2:49.12	HEATHER CAMPBELL	NZL	2008	10:27.71	LAURA VAL	USA	2011
39.18	REGULA STEIGER	SUI	2009	2:52.53	PAT SARGEANT	USA	2009	11:16.81	BARBARA DUNBAR	USA	2009
39.27	PETRA SCHROER	GER	2008	2:53.15	CHARLOTTE DAVIS	USA	2006	11:16.86	ROSARIO VIVANCO	PER	2009
39.37	LO KNAPP	USA	2009	2:53.41	C.STIEFENHOFER	GER	2000	11:18.87	CELESTE MILLER	USA	2011
39.63	BARBARA HUMMEL	USA	2008	2:53.72	BRIGITTE MERTEN	GER	2003	11:22.22	S.LOFTUS-CHARLEY	USA	2011
39.66	COLETTE CRABBE	USA	2011	2:54.78	SUSANNA SORDELLI	ITA	2011	11:24.14	BETTYANN BARNETT	USA	2008
39.72	DEB WALKER	USA	2008	2:55.46	HEATHER CAMPBELL	RSA	2011	11:26.08	ANN CAMPBELL	AUS	2009
39.91	JAYNE BRUNER	USA	1991	400 M. I.M.				11:33.65	JEN THOMASSON	AUS	2003
100 M. BRST				5:49.40	LAURA VAL	USA	2009	11:35.18	CONNY BOER-BUYS	NED	2010
1:25.19	LO KNAPP	USA	2009	5:55.53	COLETTE CRABBE	USA	2011	11:41.17	JACKIE MARR	USA	2003
1:25.82	COLETTE CRABBE	USA	2011	5:58.55	N.STEADMAN-MARTIN	USA	2009	1500 M. FREE			
1:25.89	DAGMAR FRESE	GER	2011	6:07.72	CHARLOTTE DAVIS	USA	2006	19:52.85	LAURA VAL	USA	2011
1:27.40	JENNIFER MERRITT	GBR	2006	6:13.20	LAURA VACA	MEX	2010	21:16.05	BARBARA DUNBAR	USA	2009
1:27.44	PETRA SCHROER	GER	2008	6:14.34	MIRA GUGLIELMI	ITA	2008	21:25.50	S.LOFTUS-CHARLEY	USA	2011
1:27.81	KEIKO UTSUMI	JPN	2011	6:14.40	BRIGITTE MERTEN	GER	2004	21:36.83	CELESTE MILLER	USA	2010
1:27.84	IRINA SHANGINA	RUS	2011	6:16.14	BARBARA DUNBAR	USA	2004	22:02.26	ANN CAMPBELL	AUS	2009
1:27.94	DEB WALKER	USA	2008	6:17.87	CATHERINE KOHN	USA	2009	22:05.65	JACKIE MARR	USA	2005
1:28.25	REGULA STEIGER	SUI	2009	6:17.89	PAT SARGEANT	USA	2009	22:09.84	TERRY SUE GAULT	USA	2010
1:28.61	FRANCES PENWARDEN	GBR	2009	*****				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	*****				22:41.81	HANNELORE ROSE	GER	2004
3:08.12	KEIKO UTSUMI	JPN	2011	*****				50 M. BACK			



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

34.41	LAURA VAL	USA	2011	33.47	JUDY WILSON	GBR	2004	33.55	JAYNE BRUNER	USA	2000
35.79	B.BARNETT-SALLEE	USA	2006	33.55	CHARLOTTE DAVIS	USA	2010	100 M. FREE			
36.61	SATOKO TAKEUJI	JPN	2004	33.63	BETTY CALLAHAN	AUS	1985	1:12.00	CHRISTEL SCHULZ	GER	2005
36.93	LYNETTE STEVENSON	AUS	2009	33.88	RUTH SHAPS	USA	2008	1:12.10	CAROLYN BOAK	USA	2010
36.94	RACHEL BARTON	GBR	2008	34.83	DIANN UUSTAL	USA	2010	1:13.05	YOSHIKO OSAKI	JPN	2004
37.06	MARIA BALLA	HUN	2004	34.83	CONNY BOER-BUYS	NED	2010	1:14.28	JEN THOMASSON	AUS	2008
37.12	SILVANA ABREU	BRA	2002	34.92	RACHEL BARTON	GBR	2008	1:14.67	BRIGITTE MERTEN	GER	2011
37.14	MARGIT OHLSSON	SWE	2009	35.01	SANDERINA KRUGER	RSA	2010	1:14.93	PAM HUTCHINGS	AUS	2002
37.56	PENNY STEELE	AUS	2005	35.06	CHRISTEL SCHULZ	GER	2004	1:14.98	JEAN HOWARD-JONES	GBR	2009
37.84	MARGARET WILDING	GBR	2000	100 M. FLY				1:15.04	SIGRID KOCH	GER	2010
100 M. BACK				1:12.06	LAURA VAL	USA	2011	1:15.75	JACKIE MARR	USA	2008
1:17.58	LAURA VAL	USA	2011	1:17.34	JUDY WILSON	GBR	2004	1:16.20	B.AXLING	SWE	2011
1:18.91	B.BARNETT-SALLEE	USA	2006	1:20.34	BARBARA DUNBAR	USA	2009	200 M. FREE			
1:20.43	SATOKO TAKEUJI	JPN	2002	1:21.27	BRIGITTE MERTEN	GER	2009	2:39.05	CAROLYN BOAK	USA	2010
1:22.07	MARGARET WILDING	GBR	2000	1:21.31	HARRIET BERGER	GER	2004	2:42.26	CHRISTEL SCHULZ	GER	2008
1:22.28	MARGIT OHLSSON	SWE	2009	1:22.08	CHARLOTTE DAVIS	USA	2010	2:42.91	YOSHIKO OSAKI	JPN	2004
1:22.85	MARIA BALLA	HUN	2006	1:22.78	MARILYN EARP	AUS	2010	2:43.36	JEN THOMASSON	AUS	2008
1:23.63	DIANN UUSTAL	USA	2010	1:24.97	CAROLYN BOAK	USA	2007	2:45.42	JACKIE MARR	USA	2008
1:23.96	SANDERINA KRUGER	RSA	2010	1:25.58	TERRY SUE GAULT	USA	2010	2:48.51	CLARA WALKER	USA	1992
1:24.34	RUTH SHAPS	USA	2008	1:26.13	KIRA MAKAROVA	RUS	2009	2:49.58	DIANN UUSTAL	USA	2011
1:24.43	BENEDICTE DUPREZ	FRA	2011	200 M. FLY				2:51.49	BRIGITTE MERTEN	GER	2011
200 M. BACK				2:41.03	LAURA VAL	USA	2011	2:52.94	E.KETELSEN	DEN	2009
2:48.78	LAURA VAL	USA	2011	3:05.07	BARBARA DUNBAR	USA	2009	2:53.14	JANE ASHER	GBR	1996
2:50.16	B.BARNETT-SALLEE	USA	2006	3:12.48	JUDY WILSON	GBR	2004	400 M. FREE			
2:58.02	SATOKO TAKEUJI	JPN	2002	3:12.52	SUSANA BARKLEY	ESP	2006	5:43.10	JEN THOMASSON	AUS	2008
2:59.01	BONNIE PRONK	CAN	2002	3:20.95	KIRA MAKAROVA	RUS	2010	5:46.27	YOSHIKO OSAKI	JPN	2003
3:00.06	MARGIT OHLSSON	SWE	2005	3:22.22	HANNELORE ROSE	GER	2003	5:46.65	JACKIE MARR	USA	2008
3:01.74	MARIA BALLA	HUN	2005	3:22.68	CATHY MANCINO	USA	2011	5:54.90	LAVELLE STOINOFF	USA	1998
3:03.11	BENEDICTE DUPREZ	FRA	2011	3:22.94	YOSHIKO OSAKI	JPN	2002	5:55.11	CAROLYN BOAK	USA	2011
3:04.19	DEB WALKER	USA	2011	3:26.38	CAROLYN BOAK	USA	2007	6:00.59	CHRISTEL SCHULZ	GER	2006
3:04.66	JULIE GUNTHER	NZL	2008	3:26.54	DANIELA BARNEA	USA	2005	6:03.43	HANNELORE ROSE	GER	2008
3:06.23	BETSY JORDAN	USA	1997	200 M. I.M.				6:03.93	CARROL WANNELL	AUS	2008
50 M. BRST				2:50.13	LAURA VAL	USA	2011	6:05.22	CLARA WALKER	USA	1991
38.48	MONIKA SENFTLEBEN	GER	2002	2:52.67	CHARLOTTE DAVIS	USA	2010	6:07.32	PAM HUTCHINGS	AUS	2002
39.16	BONNIE PRONK	CAN	2002	2:58.08	BRIGITTE MERTEN	GER	2006	800 M. FREE			
39.25	JAN WICKS	AUS	2006	3:00.52	BONNIE PRONK	CAN	2002	11:53.17	JEN THOMASSON	AUS	2008
40.87	DEB WALKER	USA	2011	3:00.74	CAROLYN BOAK	USA	2006	11:55.93	JACKIE MARR	USA	2008
40.93	HARRIET BERGER	GER	2004	3:00.98	KIRA MAKAROVA	RUS	2009	12:06.31	YOSHIKO OSAKI	JPN	2003
41.12	HANNELORE ROSE	GER	2002	3:02.24	HARRIET BERGER	GER	2004	12:09.23	CARROL WANNELL	AUS	2008
41.16	NOBUKO YASUDA	JPN	2009	3:03.33	MARGIT OHLSSON	SWE	2006	12:22.54	JAN CROFT	AUS	2008
41.35	ELAINE BROMWICH	GBR	2004	3:04.36	HANNELORE ROSE	GER	2003	12:23.32	LAVELLE STOINOFF	USA	1998
41.43	JAYNE BRUNER	USA	1998	3:05.12	CHRISTEL SCHULZ	GER	2003	12:23.88	HANNELORE ROSE	GER	2008
41.92	KAYAKO HIROSE	JPN	2009	400 M. I.M.				12:27.60	CLARA WALKER	USA	1992
100 M. BRST				5:56.27	LAURA VAL	USA	2011	12:32.85	E.KETELSEN	DEN	2009
1:27.64	BONNIE PRONK	CAN	2002	6:08.99	CHARLOTTE DAVIS	USA	2010	12:37.93	PENNY WEBSTER	GBR	2008
1:29.86	HARRIET BERGER	GER	2004	6:22.61	BRIGITTE MERTEN	GER	2006	1500 M. FREE			
1:29.97	HANNELORE ROSE	GER	2002	6:33.09	HANNELORE ROSE	GER	2002	22:40.65	JEN THOMASSON	AUS	2008
1:30.66	DEB WALKER	USA	2011	6:33.92	BARBARA DUNBAR	USA	2009	23:07.49	JACKIE MARR	USA	2008
1:30.97	NOBUKO YASUDA	JPN	2009	6:34.22	JEN THOMASSON	AUS	2004	23:42.01	LAVELLE STOINOFF	USA	1998
1:31.05	MONIKA SENFTLEBEN	GER	2002	6:34.94	YOSHIKO OSAKI	JPN	2001	23:51.75	JAN CROFT	AUS	2009
1:31.41	DALE BARNHARD	USA	2008	6:36.99	JACKIE MARR	USA	2003	23:52.54	RITSUKO SUGIMURA	JPN	2010
1:31.57	JENNIFER MERRITT	GBR	2011	6:38.81	CAROLYN BOAK	USA	2005	24:07.05	CLARA WALKER	USA	1992
1:32.18	DIANE FORD	GBR	2006	6:43.20	KIRA MAKAROVA	RUS	2010	24:24.82	NORIKO YOSHIDA	JPN	2009
1:32.37	JOANN LEILICH	USA	1999	*****				24:31.20	PENNY WEBSTER	GBR	2007
200 M. BRST				*****				24:38.81	BONNIE PRONK	CAN	2007
3:14.49	BONNIE PRONK	CAN	2002	*****				24:43.09	JANE ASHER	GBR	1996
3:16.08	HANNELORE ROSE	GER	2003	*****				50 M. BACK			
3:17.24	DEB WALKER	USA	2011	50 M. FREE				37.11	MARGIT OHLSSON	SWE	2011
3:18.05	HARRIET BERGER	GER	2004	31.84	CAROLYN BOAK	USA	2010	37.38	CLARY MUNNS	AUS	2009
3:20.61	JANETTE JEFFREY	AUS	2011	32.49	DIANN UUSTAL	USA	2011	37.44	DIANN UUSTAL	USA	2011
3:20.92	JENNIFER MERRITT	GBR	2011	32.52	CHRISTEL SCHULZ	GER	2005	37.54	SATOKO TAKEUJI	JPN	2009
3:22.24	DIANE FORD	GBR	2006	32.58	CLARY MUNNS	AUS	2009	38.17	SILVANA ABREU	BRA	2006
3:23.14	ELAINE BROMWICH	GBR	2004	32.78	B.AXLING	SWE	2011	38.85	PAM HUTCHINGS	AUS	2002
3:23.62	JOANN LEILICH	USA	1999	33.03	KAYE BEER	AUS	2009	39.48	MARIA BALLA	HUN	2009
3:24.38	MASAYO AZUMA	JPN	1996	33.10	JEN THOMASSON	AUS	2008	39.85	CLARA WALKER	USA	1992
50 M. FLY				33.38	OLGA KREJCI	SUI	2002	40.37	PENNY STEELE	AUS	2011
32.81	LAURA VAL	USA	2011	33.47	YOSHIKO OSAKI	JPN	2004	40.40	E.KETELSEN	DEN	2010



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

100 M. BACK		1:26.17	CAROLYN BOAK	USA 2010	1:22.62	LOTTIE GEURTS	NED 2006
1:21.81 MARGIT OHLSSON	SWE 2010	1:26.44	BRIGITTE MERTEN	GER 2011	1:22.99	NANCY BROWN	USA 2006
1:22.30 DIANN UUSTAL	USA 2011	1:27.73	YOSHIKO OSAKI	JPN 2003	200 M. FREE		
1:23.61 CLARY MUNNS	AUS 2009	1:29.47	CLARY MUNNS	AUS 2009	2:48.03	CHRISTEL SCHULZ	GER 2010
1:24.67 SATOKO TAKEUJI	JPN 2007	1:30.78	JUDY WILSON	FRA 2009	2:49.80	YOSHIKO OSAKI	JPN 2008
1:25.86 MARIA BALLA	HUN 2009	1:33.38	SILVANA ABREU	BRA 2006	2:50.27	JANE ASHER	GBR 2002
1:26.39 E.KETELSEN	DEN 2010	1:34.55	HANNELORE ROSE	GER 2007	2:57.28	LAVELLE STOINOFF	USA 2003
1:26.61 BONNIE PRONK	CAN 2008	1:34.62	HAIKE HOLER	GER 2002	3:00.28	HELGA REICH	GER 2006
1:27.51 PAM HUTCHINGS	AUS 2002	1:35.57	SALLY BOLAR	USA 2004	3:01.28	GAIL ROPER	USA 1999
1:28.08 SILVANA ABREU	BRA 2006	1:35.74	DANIELA BARNEA	USA 2009	3:03.22	PAM HUTCHINGS	AUS 2008
1:29.69 PENNY STEELE	AUS 2010	200 M. FLY			3:03.86	BARBARA FENTIMAN	AUS 2004
200 M. BACK		3:21.42	CAROLYN BOAK	USA 2010	3:04.56	CLARA WALKER	USA 1996
3:00.24 MARGIT OHLSSON	SWE 2011	3:29.68	DANIELA BARNEA	USA 2009	3:06.67	REIKO ISHIZAKI	JPN 2008
3:05.15 DIANN UUSTAL	USA 2011	3:29.68	HANNELORE ROSE	GER 2007	400 M. FREE		
3:06.41 BONNIE PRONK	CAN 2008	3:31.05	YOSHIKO OSAKI	JPN 2005	5:54.97	YOSHIKO OSAKI	JPN 2008
3:08.20 SATOKO TAKEUJI	JPN 2007	3:32.63	SILVANA ABREU	BRA 2006	6:05.25	JANE ASHER	GBR 2004
3:10.55 MARIA BALLA	HUN 2009	3:33.04	FLORA CONNOLLY	GBR 1998	6:11.92	LAVELLE STOINOFF	USA 2003
3:10.66 CLARY MUNNS	AUS 2009	3:33.38	HELGA REICH	GER 2002	6:22.10	HELGA REICH	GER 2006
3:11.77 NORIKO YOSHIDA	JPN 2009	3:36.25	JUNE KRAUSER	USA 1994	6:26.35	REIKO ISHIZAKI	JPN 2008
3:12.42 JACKIE MARR	USA 2009	3:40.69	CLARY MUNNS	AUS 2011	6:33.15	CLARA WALKER	USA 1996
3:13.06 E.KETELSEN	DEN 2009	3:42.86	MARGOT PETTIJOHN	USA 2011	6:33.19	JUNE KRAUSER	USA 1996
3:13.06 PAM HUTCHINGS	AUS 2002	200 M. I.M.			6:33.97	MARIA PENNA	BRA 2011
50 M. BRST		3:05.32	BRIGITTE MERTEN	GER 2011	6:35.47	BARBARA FENTIMAN	GBR 2004
41.52 MONIKA SENFTLEBEN	GER 2009	3:06.10	CAROLYN BOAK	USA 2010	6:36.17	MARGARET FITTOCK	AUS 2011
41.69 BONNIE PRONK	CAN 2007	3:08.78	MARGIT OHLSSON	SWE 2011	800 M. FREE		
42.78 SHOKO YONEZAWA	JPN 2002	3:08.85	CHRISTEL SCHULZ	GER 2006	12:13.07	YOSHIKO OSAKI	JPN 2009
42.97 DIANN UUSTAL	USA 2011	3:11.94	YOSHIKO OSAKI	JPN 2003	12:32.21	JANE ASHER	GBR 2002
43.04 HANNELORE ROSE	GER 2007	3:13.04	CLARY MUNNS	AUS 2011	12:35.14	LAVELLE STOINOFF	USA 2004
43.21 SHIZUKA HATTORI	JPN 2011	3:13.22	JEN THOMASSON	AUS 2009	12:59.41	HELGA REICH	GER 2006
43.34 NOBUKO YASUDA	JPN 2010	3:13.33	JACKIE MARR	USA 2008	13:15.45	JUNE KRAUSER	USA 1996
43.42 EDITH BOHM	GER 1994	3:13.86	HANNELORE ROSE	GER 2007	13:16.51	REIKO ISHIZAKI	JPN 2008
43.46 DIANE FORD	GBR 2009	3:15.60	NOBUKO YASUDA	JPN 2010	13:24.65	MARIA PENNA	BRA 2011
43.57 JOANN LEILICH	USA 2005	400 M. I.M.			13:30.28	BARBARA FENTIMAN	GBR 2004
100 M. BRST		6:37.45	CAROLYN BOAK	USA 2010	13:41.60	HISAKO SATO	JPN 2005
1:33.23 NOBUKO YASUDA	JPN 2010	6:46.46	YOSHIKO OSAKI	JPN 2005	13:41.83	MARGARET FITTOCK	AUS 2011
1:33.69 DIANE FORD	GBR 2008	6:54.46	JACKIE MARR	USA 2008	1500 M. FREE		
1:34.53 BONNIE PRONK	CAN 2008	6:56.94	HANNELORE ROSE	GER 2007	24:06.48	JANE ASHER	GBR 2001
1:35.34 HANNELORE ROSE	GER 2007	7:06.75	FLORA CONNOLLY	GBR 1998	24:24.13	LAVELLE STOINOFF	USA 2003
1:36.29 JOANN LEILICH	USA 2007	7:09.21	SILVANA ABREU	BRA 2006	24:49.53	YOSHIKO OSAKI	JPN 2011
1:36.41 LUISE KNOPFLE	GER 2004	7:09.69	CLARA WALKER	USA 1992	25:04.94	BARBARA FENTIMAN	AUS 2004
1:37.06 MASAYO AZUMA	JPN 2002	7:10.30	CLARY MUNNS	AUS 2011	25:21.24	REIKO ISHIZAKI	JPN 2009
1:37.93 TAMAE FURUYA	JPN 2011	7:13.77	BONNIE PRONK	CAN 2008	25:25.26	JUNE KRAUSER	USA 1997
1:38.12 SHOKO YONEZAWA	JPN 2000	7:13.98	DANIELA BARNEA	USA 2009	25:40.43	CLARA WALKER	USA 1996
1:38.73 ELAINE BROMWICH	GBR 2007	*****			25:49.86	MARIA PENNA	BRA 2009
200 M. BRST		*****			26:17.37	HISAKO SATO	JPN 2005
3:24.79 NOBUKO YASUDA	JPN 2010	*****			26:18.02	JANE OBERG	USA 2007
3:26.88 HANNELORE ROSE	GER 2007	*****			50 M. BACK		
3:26.98 JOANN LEILICH	USA 2005	50 M. FREE			40.84	PAM HUTCHINGS	AUS 2008
3:27.24 DIANE FORD	GBR 2008	33.57	CHRISTEL SCHULZ	GER 2010	41.38	YOSHIKO OSAKI	JPN 2009
3:27.71 LUISE KNOPFLE	GER 2004	33.61	YOSHIKO OSAKI	JPN 2009	41.77	SHOKO YONEZAWA	JPN 2009
3:28.43 MASAYO AZUMA	JPN 2001	34.64	JANE ASHER	GBR 2004	41.98	MARGARET WILDING	GBR 2009
3:28.49 BONNIE PRONK	CAN 2008	35.22	BETH SCHREINER	USA 2011	42.29	DORIS STEADMAN	USA 1996
3:30.95 FLORA CONNOLLY	GBR 1998	35.28	GAIL ROPER	USA 1999	42.30	CHRISTEL SCHULZ	GER 2010
3:32.07 JEN THOMASSON	AUS 2008	35.32	PAM HUTCHINGS	AUS 2008	42.42	BETSY JORDAN	USA 2007
3:32.45 DANIELA BARNEA	USA 2009	35.52	OLGA KREJCI	SUI 2007	43.49	GRETHE BENDTSEN	DEN 2001
50 M. FLY		35.74	SHOKO YONEZAWA	JPN 2009	43.78	V. JOHANSSON	SWE 2007
35.42 DIANN UUSTAL	USA 2011	36.10	HISAKO SATO	JPN 2005	43.84	JANE ASHER	GBR 2002
35.77 CHRISTEL SCHULZ	GER 2006	36.13	CLARA WALKER	USA 1996	100 M. BACK		
36.50 MICHIE DOI	JPN 2008	100 M. FREE			1:32.02	CHRISTEL SCHULZ	GER 2010
36.86 JUDY WILSON	FRA 2009	1:14.28	YOSHIKO OSAKI	JPN 2009	1:32.51	YOSHIKO OSAKI	JPN 2009
37.25 GISELA PEKAREK	AUT 2009	1:15.01	CHRISTEL SCHULZ	GER 2010	1:33.49	SHOKO YONEZAWA	JPN 2005
37.28 BRIGITTE MERTEN	GER 2011	1:17.94	JANE ASHER	GBR 2004	1:33.61	V. JOHANSSON	SWE 2005
37.36 CLARY MUNNS	AUS 2009	1:19.94	GAIL ROPER	USA 1999	1:33.61	JANE ASHER	GBR 2002
37.54 YOSHIKO OSAKI	JPN 2003	1:20.31	PAM HUTCHINGS	AUS 2008	1:34.72	PAM HUTCHINGS	AUS 2008
37.67 HARUMI SUGIMOTO	JPN 2003	1:20.99	HELGA REICH	GER 2008	1:34.84	BETSY JORDAN	USA 2007
38.07 HAIKE HOLER	GER 2002	1:21.57	CLARA WALKER	USA 1996	1:35.11	DORIS STEADMAN	USA 1995
100 M. FLY		1:22.43	SHOKO YONEZAWA	JPN 2005	1:36.34	GRETHE BENDTSEN	DEN 2001



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

1:36.36	NANCY BROWN	USA 2006	200 M. FLY	3:19.77	JUNE KRAUSER	USA 2001		
200 M.	BACK		3:39.91	JUNE KRAUSER	USA 1996	3:20.46	BETTY RUSS	USA 2002
3:21.23	CHRISTEL SCHULZ	GER 2010	3:44.93	HELGA REICH	GER 2007	3:22.25	MICHIKO OKUMURA	JPN 2007
3:22.49	V.JOHANSSON	SWE 2005	3:52.01	SILVIA NEUHAUSER	AUT 2001	400 M.	FREE	
3:27.58	JANE ASHER	GBR 2002	3:54.39	JANE ASHER	GBR 2001	6:13.20	JANE ASHER	GBR 2006
3:28.69	DORIS STEADMAN	USA 1995	3:58.81	GAIL ROPER	USA 2002	6:50.66	HELGA REICH	GER 2011
3:29.12	GRETHE BENDTSEN	DEN 2000	4:01.61	JUDIE OLIVER	CAN 2004	6:50.97	DENISE ROBERTSON	AUS 2010
3:29.27	BETSY JORDAN	USA 2007	4:02.86	ENEDINA PEREIRA	BRA 2008	6:55.62	JEAN TROY	USA 2002
3:29.39	PAM HUTCHINGS	AUS 2008	4:04.75	MURIEL HITCHCOCK	GBR 2008	6:57.29	JUNE KRAUSER	USA 2001
3:29.72	LAVELLE STOINOFF	USA 2004	4:08.36	LUCILLE GRIFFIN	USA 2008	6:59.81	URSULA FROHLICH	GER 2010
3:32.26	NANCY BROWN	USA 2006	4:09.17	HIROKO KOBAYASHI	JPN 2011	7:04.33	LOTTIE GEURTS	NED 2010
3:34.99	MISAO MATSUMOTO	JPN 2007	200 M.	I.M.		7:07.55	MICHIKO OKUMURA	JPN 2006
50 M.	BRST		2:59.25	JANE ASHER	GBR 2002	7:09.78	LIZ WALLIS	AUS 2002
43.45	SHOKO YONEZAWA	JPN 2005	3:13.19	YOSHIKO OSAKI	JPN 2008	7:11.47	GAIL ROPER	USA 2005
43.98	EDITH BOEHM	GER 1999	3:14.07	CHRISTEL SCHULZ	GER 2010	800 M.	FREE	
45.53	ELIANE PELLIS	BEL 2004	3:30.51	JUDITH OLIVER	CAN 2002	12:58.94	JANE ASHER	GBR 2006
45.67	JOANN LEILICH	USA 2009	3:32.07	SHOKO YONEZAWA	JPN 2006	14:04.18	HELGA REICH	GER 2011
46.14	RUTH MULLER	GER 2006	3:32.94	GAIL ROPER	USA 1999	14:05.80	DENISE ROBERTSON	AUS 2011
46.37	KAZUKO KAJIWARA	JPN 2009	3:35.13	JUNE KRAUSER	USA 1996	14:10.50	JUNE KRAUSER	USA 2001
46.51	A.OBBERGHEN	BEL 2004	3:36.77	HELGA REICH	GER 2006	14:16.39	JEAN TROY	USA 2003
46.78	A.LEENE-RODAL	NZL 2003	3:37.40	MARCELA STASTNA	CZE 2007	14:17.45	LIZ WALLIS	AUS 2002
46.80	DIANE STOWELL	USA 2005	3:38.07	JUDIE OLIVER	CAN 2004	14:22.19	URSULA FROHLICH	GER 2010
46.88	MURIEL HITCHCOCK	GBR 2009	400 M.	I.M.		14:22.39	GAIL ROPER	USA 2005
100 M.	BRST		6:54.93	YOSHIKO OSAKI	JPN 2008	14:32.25	MARGERY MEYER	USA 1997
1:37.72	SHOKO YONEZAWA	JPN 2007	7:25.26	JANE ASHER	GBR 2001	14:35.61	MICHIKO OKUMURA	JPN 2006
1:38.78	JOANN LEILICH	USA 2009	7:30.91	JUNE KRAUSER	USA 1996	1500 M.	FREE	
1:39.15	MASAYO AZUMA	JPN 2005	7:35.30	HELGA REICH	GER 2006	24:41.76	JANE ASHER	GBR 2006
1:41.04	ELIANE PELLIS	BEL 2004	7:38.56	JUDITH OLIVER	CAN 2002	27:09.75	JEAN TROY	USA 2003
1:42.10	LUISE KNOPFLE	GER 2009	7:49.98	GAIL ROPER	USA 1999	27:22.52	DENISE ROBERTSON	AUS 2011
1:42.57	YOSHIKO OSAKI	JPN 2008	7:52.18	NANCY BROWN	USA 2006	27:40.67	JUNE KRAUSER	USA 2001
1:43.86	EDITH BOEHM	GER 1999	7:53.70	NANCY MACBETH	USA 1999	27:43.98	MICHIKO OKUMURA	JPN 2006
1:44.15	MARGIT JEBE	USA 2009	7:57.86	URSULA FROHLICH	GER 2005	27:54.35	LIZ WALLIS	AUS 2002
1:44.40	DIANE STOWELL	USA 2005	7:58.34	ANN HIRSCH	USA 2001	28:24.77	GAIL ROPER	USA 2005
1:44.49	TAYO FUJIEDA	JPN 2009	*****			28:38.34	MARGERY MEYER	USA 1998
200 M.	BRST		*****			28:55.23	ANN HIRSCH	USA 2006
3:34.32	SHOKO YONEZAWA	JPN 2005	*****			28:56.44	BETTY LORENZI	USA 2003
3:34.49	JOANN LEILICH	USA 2011	*****			50 M.	BACK	
3:36.45	LUISE KNOPFLE	GER 2009	50 M.	FREE		42.06	SHOKO YONEZAWA	JPN 2010
3:38.05	MASAYO AZUMA	JPN 2006	34.85	JANE ASHER	GBR 2006	43.16	PAM HUTCHINGS	AUS 2011
3:42.79	TAYO FUJIEDA	JPN 2009	36.87	GAIL ROPER	USA 2005	43.93	JANE ASHER	GBR 2006
3:44.26	YOSHIKO OSAKI	JPN 2010	37.48	JEAN TROY	USA 2002	44.43	DORIS STEADMAN	USA 1999
3:45.28	ELIANE PELLIS	BEL 2004	38.14	JOHNNIE DETRICK	USA 2010	45.77	GRETHE BENDTSEN	DEN 2007
3:46.18	DIANE STOWELL	USA 2004	38.19	PAM HUTCHINGS	AUS 2011	46.00	U.MEYER-TONNDORF	GER 2011
3:48.96	INGRID LUNING	GER 2010	38.20	SHOKO YONEZAWA	JPN 2011	46.17	KERSTIN GJORES	SWE 2002
3:49.58	SYLVIA NEUHAUSER	AUT 2002	38.28	ODETTE LUSIEN	FRA 2002	46.30	JOAN PARNELL	CAN 2004
50 M.	FLY		38.47	KERSTIN GJORES	SWE 2002	46.43	EVA JAROSOVA	CZE 2011
37.93	CHRISTEL SCHULZ	GER 2010	38.57	FLORENCE CARR	USA 2001	46.64	WILLIE VAN RYSEL	GBR 1991
38.65	HARUMI SUGIMOTO	JPN 2008	38.88	FUSAKO YAMAWAKI	JPN 2011	100 M.	BACK	
39.30	YOSHIKO OSAKI	JPN 2008	100 M.	FREE		1:38.62	JANE ASHER	GBR 2006
39.77	JANE ASHER	GBR 2002	1:20.15	JANE ASHER	GBR 2006	1:38.78	DORIS STEADMAN	USA 2000
40.78	HISAKO SATO	JPN 2005	1:26.36	GAIL ROPER	USA 2005	1:39.02	SHOKO YONEZAWA	JPN 2010
40.88	HAIKE HOELER	GER 2006	1:28.07	JEAN TROY	USA 2002	1:41.22	PAM HUTCHINGS	AUS 2011
41.26	GAIL ROPER	USA 2000	1:28.14	YURIKO NAGAMATSU	JPN 2010	1:41.44	GRETHE BENDTSEN	DEN 2006
41.31	HISAKO KITAYAMA	JPN 2007	1:29.19	M. CUNNINGHAM	AUS 2001	1:42.69	BETTY LORENZI	USA 2002
41.91	HELGA REICH	GER 2006	1:29.30	SHOKO YONEZAWA	JPN 2011	1:42.73	EVA JAROSOVA	CZE 2011
42.26	SARAH KOPSKY	USA 2011	1:29.45	LOTTIE GEURTS	NED 2010	1:42.81	JOAN PARNELL	CAN 2003
100 M.	FLY		1:29.80	DENISE ROBERTSON	AUS 2011	1:43.81	NANCY BROWN	USA 2011
1:34.51	YOSHIKO OSAKI	JPN 2008	1:30.16	MITSUKO KOMURO	JPN 2005	1:46.70	BUNNY CEDERLUND	USA 1997
1:40.85	JUNE KRAUSER	USA 1996	1:30.35	NAN BOHL	USA 2004	200 M.	BACK	
1:40.90	HELGA REICH	GER 2007	200 M.	FREE		3:34.35	JANE ASHER	GBR 2006
1:42.23	HAIKE HOELER	GER 2006	2:56.57	JANE ASHER	GBR 2008	3:37.48	DORIS STEADMAN	USA 2000
1:42.81	JUDITH OLIVER	CAN 2002	3:13.24	GAIL ROPER	USA 2005	3:40.21	GRETHE BENDTSEN	DEN 2006
1:44.87	MARCELA STASTNA	CZE 2007	3:15.74	LOTTIE GEURTS	NED 2010	3:44.55	BETTY LORENZI	USA 2002
1:45.50	JANE ASHER	GBR 2001	3:16.19	DENISE ROBERTSON	AUS 2010	3:48.77	NANCY BROWN	USA 2011
1:45.61	GAIL ROPER	USA 2001	3:17.42	JEAN TROY	USA 2003	3:49.73	JOAN PARNELL	CAN 2003
1:46.04	HISAKO SATO	JPN 2006	3:18.74	HELGA REICH	GER 2011	3:49.80	KERSTIN GJORES	SWE 2002
1:47.67	SALLY BOLAR	USA 2009	3:19.07	MARGERY MEYER	USA 1997	3:51.27	EVA JAROSOVA	CZE 2011



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3:51.35 MISAO MATSUMOTO	JPN 2011	4:49.09 SUE MAYNE	AUS 2011	7:51.87 DOROTHY DICKEY	AUS 2010
3:51.75 NANCY KINNEY	USA 2004	200 M. I.M.		7:53.37 RITA SIMONTON	USA 1999
50 M. BRST		3:38.46 JANE ASHER	GBR 2006	7:56.31 MARJORIE SHARPE	USA 1997
43.95 SHOKO YONEZAWA	JPN 2010	3:48.16 JUDIE OLIVER	CAN 2007	8:01.42 BRITT GRILLI	SWE 2009
46.69 ELIANE PELLIS	BEL 2009	3:48.59 JUNE KRAUSER	USA 2001	800 M. FREE	
47.59 EDITH BOHM	GER 2003	3:51.28 HELGA REICH	GER 2011	13:51.21 JANE ASHER	GBR 2011
47.89 A.VAN OBERGHEN	BEL 2009	3:53.65 GRETHE BENDTSEN	DEN 2006	15:12.94 JEAN TROY	USA 2007
48.05 GISELA GRUNER	GER 2011	3:56.39 SYLVIA NEUHAUSER	AUT 2004	15:21.62 MARGERY MEYER	USA 2003
48.69 SYLVIA EISELE	USA 2005	3:57.16 ANN HIRSCH	USA 2008	15:32.50 GAIL ROPER	USA 2009
48.91 MASAYO AZUMA	JPN 2011	3:58.23 MICHIKO OKUMURA	JPN 2007	16:02.44 DOROTHY DICKEY	AUS 2011
49.55 I.KEUSCH-RENNER	GER 2009	4:00.13 SUE MAYNE	AUS 2011	16:04.82 BRITT GRILLI	SWE 2008
50.20 ANTOINETTE RODAHL	NZL 2008	4:01.58 MITSUKO KOMURO	JPN 2006	16:05.85 RITA SIMONTON	USA 1998
50.65 SATOKO SUZUKI	JPN 1999	400 M. I.M.		16:09.70 MICHIKO OKUMURA	JPN 2011
100 M. BRST		7:39.98 JANE ASHER	GBR 2006	16:09.92 BETTY LORENZI	USA 2008
1:38.81 SHOKO YONEZAWA	JPN 2010	7:51.71 JUNE KRAUSER	USA 2001	16:21.46 G. MCKENZIE-HICKS	AUS 2008
1:44.28 MASAYO AZUMA	JPN 2010	8:08.52 HELGA REICH	GER 2011	1500 M. FREE	
1:45.78 ELIANE PELLIS	BEL 2009	8:10.16 ANN HIRSCH	USA 2006	26:29.87 JANE ASHER	GBR 2011
1:45.98 A.VAN OBERGHEN	BEL 2008	8:17.70 GAIL ROPER	USA 2005	29:04.81 JEAN TROY	USA 2007
1:48.65 SYLVIA NEUHAUSER	AUT 2004	8:26.53 URSULA FROHLICH	GER 2010	29:35.03 MARGERY MEYER	USA 2002
1:50.28 ANN HIRSCH	USA 2006	8:28.79 SUE MAYNE	AUS 2011	30:27.88 BETTY LORENZI	USA 2008
1:52.54 SATOKO SUZUKI	JPN 1999	8:38.31 JUDIE OLIVER	CAN 2011	30:41.01 RITA SIMONTON	USA 1999
1:53.31 ANTOINETTE RODAHL	NZL 2008	8:48.78 NANCY BROWN	USA 2011	30:43.41 MICHIKO OKUMURA	JPN 2011
1:54.35 EDITH BOHM	GER 2003	8:49.94 SYLVIA EISELE	CAN 2006	30:46.79 DOROTHY DICKEY	AUS 2010
1:54.47 SYLVIA EISELE	CAN 2006			31:56.32 YOSHIKO KINOSHITA	JPN 2011
200 M. BRST		*****		32:09.15 MARJORIE SHARPE	USA 1997
3:41.53 SHOKO YONEZAWA	JPN 2010	WOMEN 80-84		33:00.94 JEAN DURSTON	USA 1995
3:44.29 MASAYO AZUMA	JPN 2011	*****		50 M. BACK	
3:53.56 A.VAN OBERGHEN	BEL 2008	50 M. FREE		46.39 BUNNY CEDERLUND	USA 2002
3:54.88 ELIANE PELLIS	BEL 2008	37.45 JANE ASHER	GBR 2011	46.62 JANE ASHER	GBR 2011
3:55.25 SYLVIA NEUHAUSER	AUT 2004	38.64 GAIL ROPER	USA 2009	49.40 MARGERY MEYER	USA 2002
3:59.30 ANN HIRSCH	USA 2006	40.45 FLORENCE CARR	USA 2005	49.53 BETTY LORENZI	USA 2009
4:07.90 JANE ASHER	GBR 2006	40.75 JEAN TROY	USA 2007	50.08 GRETHE BENDTSEN	DEN 2010
4:08.40 OLGA KOKORINA	RUS 1999	41.21 OLGA JOHNSON	NZL 2001	50.68 KIMIKO OOKA	JPN 2009
4:10.76 ANTOINETTE RODAHL	NZL 2008	41.31 HATSUHO SUGAYA	JPN 1994	50.98 KERSTIN GJORES	SWE 2007
4:10.95 JUDIE OLIVER	CAN 2007	41.54 NAN BOHL	USA 2009	51.41 BETTY STERN	AUS 2000
50 M. FLY		42.11 M. CUNNINGHAM	AUS 2005	51.81 JOAN PARSELL	CAN 2009
41.99 JANE ASHER	GBR 2006	42.14 BRITT GRILLI	SWE 2009	52.91 NANCY KINNEY	USA 2009
44.95 GAIL ROPER	USA 2004	42.29 MARGERY MEYER	USA 2002	100 M. BACK	
45.44 ODETTE LUSIEN	FRA 2002	100 M. FREE		1:46.11 JANE ASHER	GBR 2011
47.74 JEAN TROY	USA 2002	1:24.18 JANE ASHER	GBR 2011	1:47.29 BETTY LORENZI	USA 2009
47.86 LOIS NOCHMAN	USA 1999	1:27.55 GAIL ROPER	USA 2009	1:48.64 BUNNY CEDERLUND	USA 2002
48.77 HISAKO SATO	JPN 2011	1:34.43 MITSUKO KOMURO	JPN 2010	1:49.52 GRETHE BENDTSEN	DEN 2010
49.41 JUDIE OLIVER	CAN 2011	1:34.95 NAN BOHL	USA 2009	1:54.49 KIMIKO OOKA	JPN 2009
49.92 JUNE KRAUSER	USA 2001	1:35.64 JEAN TROY	USA 2007	1:56.12 NANCY KINNEY	USA 2009
50.36 HAIKE HOELER	GER 2011	1:36.14 M. CUNNINGHAM	AUS 2007	1:56.36 KERSTIN GJORES	SWE 2009
50.37 BARBARA CALLISON	USA 2008	1:37.78 MARGERY MEYER	USA 2002	1:58.43 JOAN PARSELL	CAN 2008
100 M. FLY		1:38.17 OLGA KOKORINA	RUS 2005	2:00.16 SILVIA CRAVERI	ITA 2003
1:47.40 JUDIE OLIVER	CAN 2007	1:39.30 UME WADA	JPN 1991	2:00.39 EDITH THEIN	ISR 1998
1:50.12 SYLVIA NEUHAUSER	AUT 2004	1:39.78 OLGA JOHNSON	NZL 2001	200 M. BACK	
1:50.44 HELGA REICH	GER 2011	200 M. FREE		3:50.64 JANE ASHER	GBR 2011
1:50.99 JANE ASHER	GBR 2006	3:07.40 JANE ASHER	GBR 2011	3:53.25 BETTY LORENZI	USA 2009
1:54.14 GAIL ROPER	USA 2004	3:27.26 JEAN TROY	USA 2007	3:59.73 BUNNY CEDERLUND	USA 2002
1:56.07 JUNE KRAUSER	USA 2001	3:32.12 GAIL ROPER	USA 2009	4:09.14 NANCY KINNEY	USA 2009
1:56.65 ODETTE LUSIEN	FRA 2002	3:37.14 MARGERY MEYER	USA 2003	4:10.95 GRETHE BENDTSEN	DEN 2010
1:56.92 LOIS NOCHMAN	USA 1999	3:37.56 NAN BOHL	USA 2011	4:11.24 KIMIKO OOKA	JPN 2009
1:58.51 JEAN TROY	USA 2002	3:40.08 AIKO HORII	JPN 2011	4:11.82 G.SCHOBEL-GRASS	GER 2006
1:58.90 ANN HIRSCH	USA 2006	3:41.00 DOROTHY DICKEY	AUS 2010	4:11.83 EDITH THEIN	ISR 2000
200 M. FLY		3:41.31 G. MCKENZIE-HICKS	AUS 2008	4:12.13 KERSTIN GJORES	SWE 2009
4:03.55 SYLVIA NEUHAUSER	AUT 2004	3:41.34 BRITT GRILLI	SWE 2009	4:16.70 DORIS STEADMAN	USA 2005
4:06.08 HELGA REICH	GER 2011	3:42.80 M. CUNNINGHAM	AUS 2005	50 M. BRST	
4:10.69 JUNE KRAUSER	USA 2001	400 M. FREE		49.89 A.VAN OBERGHEN	BEL 2011
4:17.87 GAIL ROPER	USA 2004	6:42.62 JANE ASHER	GBR 2011	53.36 EDITH BOHM	GER 2008
4:19.81 LOIS NOCHMAN	USA 1999	7:24.53 JEAN TROY	USA 2007	53.40 ANN HIRSCH	USA 2011
4:21.39 JANE ASHER	GBR 2006	7:30.34 MARGERY MEYER	USA 2003	53.53 OLGA KOKORINA	RUS 2005
4:29.94 ANN HIRSCH	USA 2006	7:40.93 AIKO HORII	JPN 2010	54.30 NAN BOHL	USA 2009
4:38.45 SYLVIA EISELE	CAN 2004	7:42.89 M. CUNNINGHAM	AUS 2005	56.34 BETTY CHRISTIAN	USA 2001
4:38.68 BETTY RUSS	USA 2002	7:51.67 G. MCKENZIE-HICKS	AUS 2008	56.57 SHIZUE TOYAMA	JPN 2004



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56.91 SYLVIA EISELE	USA	2009	4:33.29 LOIS KIVI NOCHMAN	USA	2006	19:27.47 MARJORIE STONE	USA	2008
56.99 MICHELE GUILLAIS	FRA	2001	4:34.62 CHIE TANI	JPN	2006	20:02.14 LOIS KIVI NOCHMAN	USA	2009
57.80 KIMIE KANAI	JPN	2004	400 M. I.M.			20:11.43 MAXINE MERLINO	USA	1997
100 M. BRST			8:21.88 JANE ASHER	GBR	2011	20:37.24 VAL LINCOLN	AUS	2011
1:50.94 A.VAN OBERGHEN	BEL	2011	9:32.43 JEAN TROY	USA	2007	20:50.44 CHIYOKO TAKIZAWA	JPN	2007
1:57.17 ANN HIRSCH	USA	2011	9:43.23 LOIS KIVI NOCHMAN	USA	2006	1500 M. FREE		
1:59.30 SYLVIA NEUHAUSER	AUT	2009	9:45.48 GERTRUD MEERWALD	GER	2000	32:11.49 MARGERY MEYER	USA	2009
2:01.21 OLGA KOKORINA	RUS	2005	10:05.13 MAXINE MERLINO	USA	1992	32:33.60 RITA SIMONTON	USA	2003
2:05.45 JANE ASHER	GBR	2011	10:05.95 G.SCHOBEL-GRASS	GER	2006	36:42.40 JEAN DURSTON	USA	1999
2:06.17 NAN BOHL	USA	2009	10:08.13 JEAN DURSTON	USA	1995	38:05.96 LOIS KIVI NOCHMAN	USA	2009
2:06.25 SYLVIA EISELE	USA	2009	10:12.77 BETTY RUSS	USA	2008	38:20.39 MAXINE MERLINO	USA	1997
2:09.19 EMMI PAULI	GER	1993	10:33.43 EDIE GRUENDER	USA	2008	39:09.67 WILLY VAN RYSEL	GBR	2001
2:10.25 GRETHE BENDTSEN	DEN	2010	10:38.80 NANCY DURSTEIN	USA	2009	40:07.30 CHIYOKO TAKIZAWA	JPN	2007
2:10.31 KIMIE KANAI	JPN	2004	*****			40:33.26 VAL LINCOLN	AUS	2009
200 M. BRST			*****			40:33.36 JOYCE O'FARRELL	AUS	2006
4:08.88 A.VAN OBERGHEN	BEL	2011	*****			40:59.00 KAY SCHIMPF	USA	2002
4:17.64 ANN HIRSCH	USA	2011	*****			50 M. BACK		
4:17.76 SYLVIA NEUHAUSER	AUT	2009	50 M. FREE			53.44 BUNNY CEDERLUND	USA	2006
4:26.18 OLGA KOKORINA	RUS	2006	44.70 OLGA JOHNSON	NZL	2006	56.57 BETTY CHRISTIAN	USA	2006
4:28.63 JANE ASHER	GBR	2011	46.72 MARGERY MEYER	USA	2009	58.34 MARGERY MEYER	USA	2008
4:37.64 SYLVIA EISELE	USA	2009	48.25 OLGA KOKORINA	RUS	2010	58.42 AILEEN SOULE	USA	1991
4:40.09 EMMI PAULI	GER	1993	48.95 HISAKO KOGA	JPN	2002	58.87 YOKO KOBAYASHI	JPN	2011
4:42.28 NAN BOHL	USA	2010	49.08 RITA SIMONTON	USA	2003	59.06 SILVIA CRAVERI	ITA	2009
4:42.75 GERTRUD MEERWALD	GER	2000	49.43 BETTY CHRISTIAN	USA	2006	59.56 WILLY VAN RYSEL	GBR	2002
4:44.59 TERUKO ONO	JPN	2008	49.84 UME WADA	JPN	1996	59.85 NOEL MORROW	CAN	2005
50 M. FLY			49.90 HATSUHO SUGAYA	JPN	1999	1:00.00 MASA SHIGEMITSU	JPN	2000
46.21 JANE ASHER	GBR	2011	50.14 BUNNY CEDERLUND	USA	2006	1:01.02 EDITH THEIN	ISR	2003
47.37 GAIL ROPER	USA	2009	50.93 JULIA DOLCE	USA	1994	100 M. BACK		
57.43 LOIS KIVI NOCHMAN	USA	2004	100 M. FREE			2:06.41 BUNNY CEDERLUND	USA	2006
57.90 YONE MURATA	JPN	2002	1:46.13 OLGA KOKORINA	RUS	2009	2:10.44 EDITH THEIN	ISR	2004
58.33 CHIE TANI	JPN	2007	1:47.59 OLGA JOHNSON	NZL	2006	2:10.46 SILVIA CRAVERI	ITA	2009
58.38 ANN HIRSCH	USA	2011	1:48.02 MARGERY MEYER	USA	2007	2:12.48 WILLY VAN RYSEL	GBR	2001
58.61 M. CUNNINGHAM	AUS	2005	1:48.75 RITA SIMONTON	USA	2003	2:13.13 AILEEN SOULE	USA	1991
59.07 JEAN TROY	USA	2009	1:51.88 BUNNY CEDERLUND	USA	2006	2:15.09 MARIA LENK-ZIGLER	USA	2000
59.25 YOSHIKO IKEUCHI	JPN	2011	1:53.28 HISAKO KOGA	JPN	2002	2:15.30 MARJORIE SHARPE	USA	2002
59.62 FLORENCE CARR	USA	2006	1:55.46 MARJORIE SHARPE	USA	2002	2:16.79 G.SCHOBEL-GRASS	GER	2011
100 M. FLY			1:56.09 MASAE SHIMURA	JPN	2007	2:17.44 MASA SHIGEMITSU	JPN	2000
2:01.54 SYLVIA NEUHAUSER	AUT	2009	1:58.29 UME WADA	JPN	1996	2:17.71 MARGERY MEYER	USA	2008
2:02.26 JANE ASHER	GBR	2011	1:59.18 MAXINE MERLINO	USA	1997	200 M. BACK		
2:06.55 LOIS KIVI NOCHMAN	USA	2004	200 M. FREE			4:29.16 EDITH THEIN	ISR	2003
2:14.91 Y.KAPLAN-BADER	FRA	2008	3:56.11 MARGERY MEYER	USA	2007	4:35.71 BUNNY CEDERLUND	USA	2006
2:21.88 GERTRUD MEERWALD	GER	2000	3:59.68 RITA SIMONTON	USA	2003	4:38.46 G.SCHOBEL-GRASS	GER	2011
2:22.44 BETTY RUSS	USA	2007	4:03.29 OLGA JOHNSON	NZL	2006	4:44.76 MARJORIE SHARPE	USA	2002
2:25.58 CHIE TANI	JPN	2007	4:10.20 MARJORIE SHARPE	USA	2002	4:46.20 PERSIS RAE	AUS	2007
2:27.91 JEAN DURSTON	USA	1994	4:11.69 OLGA KOKORINA	RUS	2009	4:47.82 AILEEN SOULE	USA	1991
2:30.44 JEAN TROY	USA	2009	4:19.11 HISAKO KOGA	JPN	2002	4:52.87 WILLY VAN RYSEL	GBR	2001
2:32.29 JUNE REYNOLDS	USA	2002	4:21.21 MAURINE KORNFELD	USA	2008	4:53.05 MARIA LENK	BRA	2000
200 M. FLY			4:24.17 CANDIDA GANDOLPHO	BRA	2006	4:55.59 MARIE WICKLUN	USA	2000
4:22.66 SYLVIA NEUHAUSER	AUT	2009	4:25.45 VIRGINIA KETELEER	BEL	2010	4:57.34 SILVIA CRAVERI	ITA	2009
4:34.86 LOIS KIVI NOCHMAN	USA	2004	4:26.52 UME WADA	JPN	1996	50 M. BRST		
5:11.67 Y.KAPLAN-BADER	FRA	2008	400 M. FREE			57.24 OLGA KOKORINA	RUS	2009
5:12.38 BETTY RUSS	USA	2008	8:14.05 MARGERY MEYER	USA	2007	1:02.92 KIMIE KANAI	JPN	2009
5:24.52 JEAN DURSTON	USA	1994	8:17.82 RITA SIMONTON	USA	2003	1:03.16 MICHELE GUILLAIS	FRA	2006
5:29.93 MAXINE MERLINO	USA	1992	8:43.79 OLGA JOHNSON	NZL	2006	1:03.39 YOKO KOBAYASHI	JPN	2011
5:34.09 JAE HOWELL	USA	2003	9:03.99 VIRGINIA KETELEER	BEL	2011	1:06.48 BETTY CHRISTIAN	USA	2006
5:51.81 EDIE GRUENDER	USA	2008	9:08.05 MAURINE KORNFELD	USA	2007	1:06.72 LIS KNUTZEN	DEN	2005
5:55.68 THELMA BRYAN	AUS	2010	9:10.43 MARJORIE SHARPE	USA	2002	1:07.01 NORA RONAI	BRA	2009
5:59.21 NANCY DURSTEIN	USA	2009	9:24.39 EVA-BRITT WIDAH	SWE	2011	1:07.23 MARJORIE STONE	USA	2008
200 M. I.M.			9:30.97 EDITH THEIN	ISR	2003	1:07.88 MARIA LENK	BRA	2000
3:54.07 JANE ASHER	GBR	2011	9:31.21 UME WADA	JPN	1997	1:08.28 INGEBORG FRITZE	GER	2008
4:18.27 ANN HIRSCH	USA	2011	9:32.91 JEAN DURSTON	USA	1999	100 M. BRST		
4:18.33 SYLVIA NEUHAUSER	AUT	2009	800 M. FREE			2:09.75 OLGA KOKORINA	RUS	2009
4:18.72 JEAN TROY	USA	2007	17:09.73 MARGERY MEYER	USA	2007	2:28.48 KIMIE KANAI	JPN	2009
4:23.03 MITSUKO KOMURO	JPN	2010	17:14.24 RITA SIMONTON	USA	2003	2:31.14 MICHELE GUILLAIS	FRA	2006
4:24.08 NANCY KINNEY	USA	2009	17:49.83 OLGA JOHNSON	NZL	2006	2:34.86 MARTI GOGNIAT	USA	1996
4:25.05 M. CUNNINGHAM	AUS	2005	18:24.60 MAURINE KORNFELD	USA	2008	2:34.97 DOROTHY WESTON	GBR	1998
4:25.99 GRETHE BENDTSEN	DEN	2010	19:12.10 JEAN DURSTON	USA	1999	2:36.19 BETTY CHRISTIAN	USA	2006



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2:36.47	LIS KNUTZEN	DEN	2006	13:38.34	GERTRUDE ZINT	USA	2003	49:40.76	KIKU ONO	JPN	2007
2:37.13	MARJORIE STONE	USA	2009	13:49.14	KAY SCHIMPF	USA	2002	50:26.49	JULIA DOLCE	USA	1999
2:38.15	YOKO KOBAYASHI	JPN	2011	14:02.65	KATHERINE PELTON	USA	1990	51:19.79	KATH JOHNSTONE	NZL	2007
2:39.45	MARIA LENK	BRA	2000	*****				52:23.76	KAY SCHIMPF	USA	2007
200 M. BRST				*****				52:51.69	MARY LATHRAM	USA	2005
4:43.93	OLGA KOKORINA	RUS	2009	*****				50 M. BACK			
5:23.25	BARBARA BOHM	GER	2006	*****				1:03.49	AILEEN SOULE	USA	1996
5:27.60	BETTY CHRISTIAN	USA	2006	50 M. FREE				1:04.78	NOEL MORROW	CAN	2009
5:35.82	MICHIKO HAMURO	JPN	2004	54.97	HISAKO KOGA	JPN	2007	1:05.08	WILLY VAN RYSEL	GBR	2006
5:36.62	EMMI PAULI	GER	1998	55.48	MAURINE KORNFELD	USA	2011	1:10.29	AUDREY ETIENNE	USA	2006
5:38.79	UME WADA	JPN	1996	55.76	AILEEN SOULE	USA	1996	1:12.15	PERSIS RAE	AUS	2011
5:39.91	MARIA LENK	BRA	2000	56.87	RITA SIMONTON	USA	2008	1:12.97	JOAN GODSALL	AUS	2008
5:45.49	ALMA BRECKNOCK	AUS	2004	58.80	JULIA DOLCE	USA	1999	1:13.42	M.GOTTSCHALK	GER	1999
5:53.29	B. VICKERS-BAKER	AUS	2011	1:01.78	NOEL MORROW	CAN	2009	1:14.48	MAURINE KORNFELD	USA	2011
5:54.39	LIS KNUTZEN	DEN	2005	1:02.28	AUDREY ETIENNE	USA	2006	1:14.49	RITA SIMONTON	USA	2010
50 M. FLY				1:02.37	JOYCE O'FARRELL	AUS	2010	1:17.62	HIDEKO HANADA	JPN	2009
1:01.94	LOIS KIVI NOCHMAN	USA	2009	1:05.17	MARIA LENK-ZIGLER	USA	2005	100 M. BACK			
1:06.40	YONE MURATA	JPN	2007	1:05.57	WILLY VAN RYSEL	GBR	2007	2:23.23	AILEEN SOULE	USA	1996
1:09.57	NORA RONAI	BRA	2010	100 M. FREE				2:25.93	WILLY VAN RYSEL	GBR	2006
1:11.58	JEAN DURSTON	USA	1999	2:00.12	HISAKO KOGA	JPN	2007	2:30.63	MAURINE KORNFELD	USA	2011
1:12.00	MARIA LENK	BRA	2000	2:03.52	RITA SIMONTON	USA	2008	2:33.12	RITA SIMONTON	USA	2011
1:13.84	MAXINE MERLINO	USA	1997	2:16.10	MAURINE KORNFELD	USA	2011	2:34.29	NOEL MORROW	CAN	2009
1:15.37	JUNE REYNOLDS	USA	2007	2:19.14	AUDREY ETIENNE	USA	2006	2:47.05	MARIA LENK	BRA	2005
1:18.44	YOKO KOBAYASHI	JPN	2011	2:19.62	AILEEN SOULE	USA	1996	2:49.46	M.GOTTSCHALK	GER	1999
1:18.72	JAE HOWELL	USA	2007	2:19.87	JULIA DOLCE	USA	2000	2:51.69	MIEKO NAGAOKA	JPN	2007
1:20.00	MAURINE KORNFELD	USA	2008	2:21.27	JOYCE O'FARRELL	AUS	2010	2:53.84	JULIA DOLCE	USA	2000
100 M. FLY				2:29.27	KIKUE ISHII	JPN	2011	2:58.18	AUDREY ETIENNE	USA	2006
2:23.89	LOIS KIVI NOCHMAN	USA	2009	2:30.82	MARIA LENK	USA	2005	200 M. BACK			
2:39.43	JEAN DURSTON	USA	2000	2:31.17	WILLY VAN RYSEL	GBR	2006	5:17.36	WILLY VAN RYSEL	GBR	2006
2:45.28	DOROTHY WESTON	GBR	1998	200 M. FREE				5:29.07	AILEEN SOULE	USA	1997
2:52.47	JAE HOWELL	USA	2007	4:19.80	RITA SIMONTON	USA	2008	5:36.13	MAURINE KORNFELD	USA	2011
2:59.53	JUNE REYNOLDS	USA	2007	4:42.40	MAURINE KORNFELD	USA	2011	5:41.35	MARIA LENK	BRA	2005
2:59.55	MAXINE MERLINO	USA	1997	5:06.38	AUDREY ETIENNE	USA	2006	5:56.93	JULIA DOLCE	USA	2000
3:01.14	KATHERINE PELTON	USA	1991	5:16.84	WILLY VAN RYSEL	GBR	2006	6:05.42	INGEBORG FRITZE	GER	2011
3:10.22	NORA RONAI	BRA	2011	5:19.36	JULIA DOLCE	USA	1999	6:15.92	MIEKO NAGAOKA	JPN	2008
3:13.12	JEWEL COOKE	USA	1996	5:20.97	KIKUE ISHII	JPN	2011	6:24.72	CLARICE ARTIS	AUS	2005
3:25.00	EDITH GLUSAC	USA	2003	5:21.55	AILEEN SOULE	USA	1996	6:28.70	EVA MULLER	USA	2003
200 M. FLY				5:22.49	MAXINE MERLINO	USA	2002	6:28.71	RITA DAVOGLIO	ITA	2002
5:07.64	LOIS KIVI NOCHMAN	USA	2009	5:24.75	MARIA LENK	BRA	2005	50 M. BRST			
5:49.75	JEAN DURSTON	USA	1999	5:32.95	JOYCE O'FARRELL	AUS	2010	1:14.54	INGEBORG FRITZE	GER	2011
6:12.31	JAE HOWELL	USA	2007	400 M. FREE				1:20.53	MICHELE GUILLAIS	FRA	2011
6:35.26	MAXINE MERLINO	USA	1998	9:04.93	RITA SIMONTON	USA	2008	1:25.91	MARIA LENK	BRA	2005
6:35.92	JUNE REYNOLDS	USA	2007	9:30.36	MAURINE KORNFELD	USA	2011	1:26.57	M.GOTTSCHALK	GER	1999
7:18.41	KATHERINE PELTON	USA	1990	10:30.72	HISAKO KOGA	JPN	2009	1:27.46	ANNELIESE POKER	GER	2011
8:02.73	ELLA PECKHAM	USA	1985	10:58.64	WILLY VAN RYSEL	GBR	2006	1:30.58	BARBARA BOHM	GER	2010
8:02.91	KALIS RASMUSSEN	CAN	2009	11:17.74	MAXINE MERLINO	USA	2002	1:34.13	LIZ KNUTSEN	DEN	2010
8:03.13	NORA RONAI	BRA	2011	11:19.66	MARIA LENK	USA	2005	1:34.55	MICHIKO HAMURO	JPN	2009
8:20.86	ANNE POTTIER	FRA	2008	11:26.04	JOYCE O'FARRELL	AUS	2010	1:35.23	YOSHI KUCHIBA	JPN	1998
200 M. I.M.				11:44.11	JULIA DOLCE	USA	1999	1:40.45	MARION DEVITT	CAN	2009
5:11.92	LOIS KIVI NOCHMAN	USA	2009	11:45.66	AILEEN SOULE	USA	1997	100 M. BRST			
5:16.68	JEAN DURSTON	USA	1999	12:21.16	KAY SCHIMPF	USA	2007	2:57.56	INGEBORG FRITZE	GER	2011
5:25.65	RITA SIMONTON	USA	2004	800 M. FREE				3:12.88	MARIA LENK	USA	2005
5:27.56	MAXINE MERLINO	USA	1997	18:53.58	RITA SIMONTON	USA	2008	3:19.15	BARBARA BOHM	GER	2010
5:29.95	KALIS RASMUSSEN	CAN	2009	20:31.74	MAURINE KORNFELD	USA	2011	3:21.95	M.GOTTSCHALK	GER	1999
5:39.68	MARIA LENK	BRA	2000	22:42.50	WILLY VAN RYSEL	GBR	2006	3:30.83	LIZ KNUTSEN	DEN	2010
5:40.85	JAE HOWELL	USA	2007	22:59.63	JOYCE O'FARRELL	AUS	2010	3:41.36	MICHIKO HAMURO	JPN	2009
5:41.63	JUNE REYNOLDS	USA	2007	23:01.12	MARIA LENK	BRA	2005	3:49.99	EVA MULLER	USA	2003
5:48.87	MICHELE GUILLAIS	FRA	2006	23:04.42	MAXINE MERLINO	USA	2002	3:54.14	RITA SIMONTON	USA	2009
5:51.75	MICHIKO HAMURO	JPN	2004	26:04.96	KATH JOHNSTONE	NZL	2007	3:55.00	MARION DEVITT	CAN	2009
400 M. I.M.				26:48.47	KIKU ONO	JPN	2007	3:58.92	CANDIDA GANDOLPHO	BRA	2010
10:48.77	LOIS KIVI NOCHMAN	USA	2009	27:28.27	KAY SCHIMPF	USA	2007	200 M. BRST			
11:10.37	JEAN DURSTON	USA	1999	28:07.33	JULIA DOLCE	USA	2001	6:53.97	BARBARA BOHM	GER	2010
11:21.06	MAXINE MERLINO	USA	1997	1500 M. FREE				6:57.76	MARIA LENK	USA	2005
11:56.05	JAE HOWELL	USA	2007	36:02.20	RITA SIMONTON	USA	2008	7:45.45	MICHIKO HAMURO	JPN	2009
12:16.14	KALIS RASMUSSEN	CAN	2009	42:30.27	WILLY VAN RYSEL	GBR	2006	8:30.18	EVA MULLER	USA	2002
12:29.83	NORA RONAI	BRA	2010	43:09.97	JOYCE O'FARRELL	AUS	2010	8:31.18	GERTRUDE ZINT	USA	2007
13:15.87	JEWEL COOKE	USA	1996	44:46.30	MAXINE MERLINO	USA	2002	10:25.15	KAY SCHIMPF	USA	2007



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10:39.50 DEL ROWLEY	AUS 1995	4:16.79 MARGE ANDERSON	CAN 1998	4:02.79 MARTIN HOHL	SUI 2009
10:51.68 KATH JOHNSTONE	NZL 2007	4:18.07 ROSA SELLARES	ESP 2005	4:02.95 BART REYMEN	BEL 1998
11:42.20 MADELEINE MILLER	USA 2000	4:19.08 BERNARDA ANGULO	ESP 2009	4:03.63 ALEX KOSTICH	USA 1997
50 M. FLY		4:48.93 MARGO BATES	AUS 2005	4:05.99 CHIP HOBSON	USA 1994
1:33.12 RITA SIMONTON	USA 2008	4:57.61 MARY LATHRAM	USA 2011	4:06.99 MARCUS MATTIOLI	ITA 1988
2:29.08 GERTRUD ZINT	USA 2007	5:19.60 ANNE DUNIVIN	USA 2011	4:07.72 ROLAND LEE	GBR 1992
4:42.00 HILDA BUEL	USA 2006	200 M. BACK		4:07.73 CAMERON REID	USA 1987
4:57.25 ANNA BAUSCHER	USA 1994	6:29.99 MIEKO NAGAOKA	JPN 2010	4:10.15 BERT VAN POUCKE	BEL 1994
200 M. I.M.		7:52.01 EDITH HENDRY	USA 2007	800 M. FREE	
6:30.12 RITA SIMONTON	USA 2008	8:49.98 BERNARDA ANGULO	ESP 2009	8:24.67 ALEX KOSTICH	USA 1997
6:35.70 MAXINE MERLINO	USA 2003	11:32.56 ANNE DUNIVIN	USA 2011	8:29.22 NICOLAS GRANGER	FRA 1994
12:03.55 HILDA BUEL	USA 2004	50 M. BRST		8:32.92 NEIL TAIT	GBR 1996
12:10.93 ANNA BAUSCHER	USA 1994	2:24.40 MIEKO NAGAOKA	JPN 2011	8:35.91 CHIP HOBSON	USA 1994
		4:20.32 ROSA SELLARES	ESP 2005	8:36.83 JEFF ERWIN	USA 1992
*****				8:36.88 JOHN PEARSON	USA 1992
WOMEN 95-99		*****		8:37.24 FRANK WERNER	GER 1996
*****		WOMEN 100-104		8:41.27 NICKY LANGE	GER 2007
50 M. FREE		*****		8:41.43 MARCUS MATTIOLI	ITA 1988
1:14.38 SHIZUE SHIMIZU	JPN 2006	50 M. FREE		8:41.99 ERIK SCHRODER	NED 2009
1:14.72 MARGO BATES	AUS 2007	5:10.84 MARY MAINA	AUS 1994	1500 M. FREE	
1:17.53 JULIA DOLCE	USA 2005	100 M. FREE		16:13.89 ALEX KOSTICH	USA 1997
1:23.96 MIEKO NAGAOKA	JPN 2010	6:17.75 MARGO BATES	AUS 2010	16:28.63 C.HANSMANN	GER 2002
1:41.16 MASAKO MATSUNO	JPN 2011	50 M. BACK		16:28.69 CAMERON REID	USA 1987
1:47.25 BETTY JONES	AUS 2004	2:52.85 MARGO BATES	AUS 2010	16:31.20 JOHN CALNAN	CAN 2006
1:49.36 BERNARDA ANGULO	ESP 2009	100 M. BACK		16:36.87 NICKY LANGE	GER 2009
1:55.57 MARGE ANDERSON	CAN 1998	6:36.82 MARGO BATES	AUS 2010	16:38.86 JULIEN BAILLOD	SUI 2009
1:55.78 DOROTHY RIORDAN	USA 2007	*****		16:41.95 DAVID GENET	FRA 2011
1:59.22 ROSA SELLARES	ESP 2005	M E N 25-29		16:42.87 JOHN PEARSON	USA 1991
100 M. FREE		*****		16:43.36 GREGORY FUENTES	ECU 1999
2:56.83 MIEKO NAGAOKA	JPN 2009	50 M. FREE		16:43.39 RON NEUGENT	USA 1987
3:08.43 JULIA DOLCE	USA 2005	22.79 A.WADDELL	AUS 1992	50 M. BACK	
3:09.64 MARGO BATES	AUS 2006	23.15 C.GRAHLEMANN	GER 2009	26.05 ADAM MANIA	USA 2011
3:15.49 AUDREY ETIENNE	USA 2011	23.36 RENE LEITE	BRA 2009	26.18 HIDEAKI AOKI	JPN 2010
4:06.70 MARGE ANDERSON	CAN 1998	23.38 HARUKI YAMAMOTO	JPN 2011	26.58 JUNICHI MIYASHITA	JPN 2009
4:13.30 BERNARDA ANGULO	ESP 2009	23.39 KOHEI KAWAMOTO	USA 2008	26.62 JANDER LAZARONI	BRA 2011
4:14.70 M.DE FROMONT	FRA 2006	23.40 RUDY TED DE HAAN	NED 2009	26.64 KEVIN DOAK	USA 2009
4:41.19 ANNE DUNIVIN	USA 2011	23.44 THIAGO REZZO	BRA 2011	26.78 S.HALGASCH	GER 2009
4:53.06 MARY LATHRAM	USA 2011	23.48 DAVID THEVENOT	FRA 2008	27.05 NATHAN OXFORD	GBR 2010
200 M. FREE		23.49 GUY SHERWIN	GBR 2009	27.08 STEV THELOKE	GER 2007
6:30.34 MIEKO NAGAOKA	JPN 2009	23.49 TIM EHLKES	GER 2004	27.09 LEONARDO GOMES	BRA 2003
7:34.27 MARGO BATES	AUS 2005	23.49 V.HAVLICEK	CZE 2000	27.10 KAMIL KASPROWICZ	GER 2010
8:57.26 M.DE FROMONT	FRA 2006	100 M. FREE		100 M. BACK	
9:24.83 BERNARDA ANGULO	ESP 2007	50.74 NICK SHACKELL	USA 2000	57.00 KEVIN DOAK	USA 2008
400 M. FREE		51.23 EDVALDO SILVA	BRA 2007	57.42 IKUMI HASEGAWA	JPN 2009
13:52.13 MIEKO NAGAOKA	JPN 2011	51.37 STEFAN OOSTING	NED 2009	57.45 JON WINTER	NZL 1997
18:16.28 BERNARDA ANGULO	ESP 2007	51.63 KOHEI KAWAMOTO	JPN 2005	57.69 MATTHEW BOWE	GBR 2008
18:32.26 M.DE FROMONT	FRA 2006	51.71 C.GRAHLEMANN	GER 2010	58.00 JAMES CHADWICK	GBR 2004
22:01.50 ANNE DUNIVIN	USA 2011	51.81 TIM EHLKES	GER 2004	58.24 JOHN KEPPELER	USA 1992
800 M. FREE		51.87 SION BRINN	USA 2002	58.26 YUTA SHOJI	JPN 2009
29:29.02 MIEKO NAGAOKA	JPN 2010	51.92 NAOKI NAGURA	JPN 2006	58.29 JANDER LAZARONI	BRA 2011
1500 M. FREE		51.92 A.WADDELL	AUS 1992	58.86 YOHEI HAMAGAMI	JPN 2009
54:09.81 MIEKO NAGAOKA	JPN 2011	51.93 ERIK TOLMACHOFF	USA 2009	58.92 ROBERT HAUCK	USA 1993
50 M. BACK		200 M. FREE		200 M. BACK	
1:19.05 MIEKO NAGAOKA	JPN 2009	1:51.00 JOHN KEPPELER	USA 1996	2:03.80 KAMIL KASPROWICZ	GER 2010
1:39.68 EDITH HENDRY	USA 2007	1:52.19 JOE TRISTAN	USA 2000	2:07.57 JOHN KEPPELER	USA 1992
1:42.07 JULIA DOLCE	USA 2005	1:53.16 CHRISTIAN HEIN	GER 2007	2:08.23 NICOLAS GRANGER	FRA 1994
1:57.79 MARGE ANDERSON	CAN 1998	1:53.68 EDVALDO SILVA	BRA 2007	2:08.59 HIROSHI NISHIMURA	JPN 2001
2:00.33 ROSA SELLARES	ESP 2005	1:53.76 MICHAEL KIEDEL	USA 2000	2:08.65 ROBERT HAUCK	USA 1993
2:01.10 BERNARDA ANGULO	ESP 2008	1:53.86 STEVEN MELLOR	GBR 2001	2:09.13 JEROME FAROUZE	FRA 2003
2:03.48 SHIZUE SHIMIZU	JPN 2007	1:54.22 STEFAN OOSTING	NED 2009	2:09.19 DARRYL FOLLOWS	NZL 1993
2:10.58 MARGO BATES	AUS 2006	1:54.68 BART REYMEN	BEL 1998	2:10.30 SHINYA HAYASHI	JPN 2005
2:12.98 DOROTHY RIORDAN	USA 2007	1:54.78 KEISUKE MATSUNO	JPN 2009	2:10.47 TAKUMA YAMAOKA	JPN 2005
2:25.40 MARY LATHRAM	USA 2011	1:54.87 NEIL TAIT	GBR 1996	2:10.87 CHRISTIAN HEIN	GER 2007
100 M. BACK		400 M. FREE		50 M. BRST	
2:55.56 MIEKO NAGAOKA	JPN 2010	4:00.98 HONZA VITAZKA	USA 2002	27.96 MARK GANGLOFF	USA 2011
3:26.93 MASAKO MATSUNO	JPN 2011	4:01.70 STEVE MELLOR	GBR 2001	28.33 EDUARDO FISCHER	BRA 2008
3:42.90 EDITH HENDRY	USA 2007			28.63 CHRISTOPHER JONES	GBR 2007



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

28.68	JAMES PARRACK	GBR	1996	2:09.21	CAMERON REID	USA	1987	8:18.76	DANIEL KOWALSKI	AUS	2009
28.96	MITSUHIRO MARU	JPN	2007	2:10.44	KAZUYA KUROSU	JPN	2003	8:26.26	CARLOS PAVAO	BRA	2007
28.97	NAOKI NAGURA	JPN	2009	2:10.50	MATTHEW CHAPPEL	GBR	2004	8:27.41	ROSTISLAV VITEK	CZE	2009
28.98	SETH VAN NEERDEN	USA	1997	2:10.70	CHRISTOPHER JONES	GBR	2007	8:35.16	IGOR PIOVESAN	ITA	2008
29.01	ERIC VERBERCK	ARG	2011	2:10.70	ROLAND LEE	GBR	1992	8:40.19	ROWDY GAINES	USA	1994
29.14	KOTARO MORITA	JPN	2009	2:10.72	NILS FRESE	GER	2010	8:40.78	ANDREA MARCATO	ITA	2004
29.14	CHRIS STEWART	RSA	2006	400 M. I.M.				8:41.14	JULIEN BAILLOD	SUI	2011
100 M. BRST				4:30.05	DIOGO YABE	BRA	2009	8:42.96	NICKY LANGE	GER	2010
1:02.44	GARY MARSHALL	USA	2008	4:31.47	NICOLAS GRANGER	FRA	1994	8:45.26	SEBASTIAN WIESE	GER	2004
1:02.65	CHRISTOPHER JONES	GBR	2007	4:32.19	HONZA VITAZKA	USA	2002	1500 M. FREE			
1:03.62	V.POLYAKOV	USA	2011	4:32.45	DIRK ZINNOW	GER	2000	16:30.41	ASUKA KOIZUMI	JPN	2009
1:03.72	MAKOTO YAMASHITA	JPN	2010	4:32.96	ALEX KOSTICH	USA	1997	16:33.70	IGOR PIOVESAN	ITA	2008
1:04.11	JAMES PARRACK	GBR	1996	4:34.08	CAMERON REID	USA	1987	16:35.67	SEBASTIAN WIESE	GER	2003
1:04.18	KOTARO MORITA	JPN	2009	4:41.14	MARCUS MATTIOLI	ITA	1988	16:36.06	BOBBY PATTEN	USA	1993
1:04.24	EDUARDO FISCHER	BRA	2008	4:42.34	SATOSHI TORATANI	JPN	2008	16:38.24	JEFF ERWIN	USA	1998
1:04.49	SIMON LEIGHFIELD	AUS	2002	4:42.71	TODD ROBINSON	USA	1992	16:42.28	RON NEUGENT	USA	1991
1:04.60	DAVID LUNDBERG	USA	1989	4:42.78	RAYMOND VD MERWE	NED	2011	16:42.60	ANDREA MARCATO	ITA	2005
1:04.61	RUDY TED DE HAAN	NED	2009	*****				16:45.83	JULIEN BAILLOD	SUI	2011
200 M. BRST				M E N 30-34				16:51.84	FABIEN CZACHOR	FRA	2006
2:16.70	GARY MARSHALL	USA	2008	*****				17:01.28	ANDREW SAPPEY	USA	1991
2:18.17	CHRISTOPHER JONES	GBR	2008	50 M. FREE				50 M. BACK			
2:19.73	DAISUKE KIMURA	JPN	2010	22.53	SABIR MUHAMMAD	USA	2009	26.02	STEFAN HERBST	GER	2011
2:20.25	SIMON LEIGHFIELD	AUS	2002	22.80	ROBERT PEEL	USA	1996	26.54	R.FLOREA	ROM	2010
2:22.17	JIRI VLCEK	CZE	2009	22.91	BRIAN JACOBSON	USA	2005	26.59	DERYA BUYUKUNCU	USA	2009
2:22.60	HIROSHI TEMMA	JPN	2008	23.21	ROWDY GAINES	USA	1991	26.64	MARTIN HARRIS	GBR	2002
2:23.28	ERIC CARLSON	USA	2011	23.25	S.KUNZELMANN	GER	2009	26.68	V.SHIRSHOV	UKR	2011
2:23.56	KYLE DEERY	USA	2011	23.27	TODD PACE	USA	1998	26.89	VIKTOR AREFYEV	UKR	2005
2:23.74	EDUARDO FISCHER	BRA	2008	23.31	V.SHIRSHOV	UKR	2011	26.99	KEVIN DOAK	USA	2011
2:24.46	COREY WELCH	USA	2010	23.40	DANO HALSALL	SUI	1995	27.09	DANIEL GOIS	BRA	2006
50 M. FLY				23.49	DAMIEN CUCUMEL	FRA	2004	27.19	TERO RATY	FIN	2009
23.71	KOHEI KAWAMOTO	USA	2008	23.52	SCOTT GREENWOOD	USA	2009	27.26	T.TAKEMURA	JPN	2007
24.67	CARLOS NASCIMENTO	BRA	2009	100 M. FREE				27.26	SEAN MURPHY	USA	1994
24.72	RUDY TED DE HAAN	NED	2009	50.84	S.KUNZELMANN	GER	2009	100 M. BACK			
24.75	ERIK TOLMACHOFF	USA	2009	51.06	ADAM PINE	AUS	2009	56.55	STEFAN HERBST	GER	2011
24.88	JON WINTER	NZL	1998	51.24	P.KUTSCHER	GER	2009	57.24	MARTIN HARRIS	GBR	2000
24.89	DAISUKE ABE	JPN	2008	51.34	HIDEAKI HARA	JPN	2008	57.46	R.FLOREA	ROM	2010
24.92	DANIEL BELINI	BRA	2009	51.46	STEFAN HERBST	GER	2011	58.66	SEAN MURPHY	USA	1994
25.07	S.HALGASCH	GER	2009	51.50	ROWDY GAINES	USA	1991	58.74	TAKUMA YAMAOKA	JPN	2009
25.07	V.HAVLICEK	CZE	2000	51.61	TAMAS KEREKJARTO	USA	2009	59.16	LEONARDO GOMES	BRA	2004
25.10	KEI NAKASHIMA	JPN	2009	52.05	MICHAEL FIBBENS	GBR	2000	59.21	JEFF COMMINGS	USA	2004
100 M. FLY				52.24	I.GHERGHEL	ROM	2010	59.31	JONATHAN AUDIS	GBR	2010
53.09	KOHEI KAWAMOTO	USA	2008	52.32	JAMES MONTGOMERY	USA	1986	59.41	TAKAFUMI OISHI	JPN	2006
54.29	MATTHEW BOWE	GBR	2008	200 M. FREE				59.46	OLIVER SCHMICH	AUT	2009
54.95	CARLOS NASCIMENTO	BRA	2009	1:53.15	DANIEL KOWALSKI	AUS	2009	200 M. BACK			
55.16	KEI NAKASHIMA	JPN	2009	1:53.33	JACOB CARSTENSEN	DEN	2010	2:02.75	ROGERIO ROMERO	BRA	2000
55.34	DANIEL BELINI	BRA	2009	1:53.46	TAMAS KEREKJARTO	USA	2009	2:04.43	R.FLOREA	ROM	2010
55.35	HONZA VITAZKA	USA	2002	1:54.33	JOSH DAVIS	USA	2006	2:05.62	SEAN MURPHY	USA	1994
55.69	JASON EADDY	USA	2004	1:55.20	DIOGO YABE	BRA	2011	2:06.30	MARTIN HARRIS	GBR	2000
56.00	YUSUKE ISHIGURO	JPN	2004	1:55.28	ROWDY GAINES	USA	1991	2:08.11	MARK VOGEL	DEN	2000
56.11	MATT HAUPT	USA	2005	1:55.41	LACHLAN MCDOWELL	AUS	2009	2:08.21	ROSTISLAV VITEK	CZE	2009
56.30	HISASHI FUKUDA	JPN	2010	1:55.48	JAMES MONTGOMERY	USA	1986	2:09.47	JEROME FAROUZE	FRA	2006
200 M. FLY				1:55.60	I.GHERGHEL	ROM	2010	2:09.81	LEONARDO GOMES	BRA	2006
2:03.26	SATOSHI TORATANI	JPN	2008	1:55.71	JOCHEN BRUHA	GER	2002	2:09.84	JAY YARID	USA	1993
2:04.14	KIMITAKA MINOBE	JPN	2003	400 M. FREE				2:09.93	NICOLAS GRANGER	FRA	2000
2:05.26	PHILIPP GILGEN	SUI	2003	3:58.42	DANIEL KOWALSKI	AUS	2009	50 M. BRST			
2:05.76	JASON EADDY	USA	2002	4:00.33	R.MONASTERIO	VEN	2010	28.59	CARLOS ALENCAR	BRA	2009
2:06.46	ANATOLIY POLYAKOV	RUS	2009	4:00.01	ROSTISLAV VITEK	CZE	2009	28.63	OLEG LISOGOR	UKR	2010
2:06.53	MARCUS MATTIOLI	ITA	1988	4:05.19	CARLOS PAVAO	BRA	2007	28.86	RYOSUKE IMAI	JPN	2009
2:07.14	HONZA VITAZKA	USA	2002	4:05.61	ERIK HOCHSTEIN	USA	2002	29.01	JEFF COMMINGS	USA	2006
2:07.54	MATT HAUPT	USA	2005	4:07.04	ROWDY GAINES	USA	1994	29.15	BRIAN JACOBSON	USA	2005
2:07.56	KARNEY MCNEAR	USA	1998	4:08.53	SEBASTIAN WIESE	GER	2003	29.19	BASTIAN KAMPMANN	GER	2010
2:07.85	LOIC LEROY	FRA	2006	4:08.70	JAMES MONTGOMERY	USA	1986	29.30	TIMO NOLTE	GER	2006
200 M. I.M.				4:10.14	IGOR PIOVESAN	ITA	2008	29.36	JORG FARBER	GER	2009
2:05.98	KAMIL KASPROWICZ	GER	2010	4:10.66	ANDREA MARCATO	ITA	2004	29.38	MASAHIKO KUBOTA	JPN	2009
2:06.33	HONZA VITAZKA	USA	2002	800 M. FREE				29.38	RYUTARO MORITA	JPN	2009
2:06.45	YUTA SHOJI	JPN	2009	8:16.52	R.MONASTERIO	VEN	2010	29.38	HIDEAKI TOGO	JPN	2003
2:07.00	NICOLAS GRANGER	FRA	1994	100 M. BRST							



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1:02.71	ED MOSES	USA	2011	4:38.36	C.SORRENTINO	ITA	2008	8:50.51	RICHARD STANNARD	GBR	2009
1:02.90	EDUARDO FISCHER	BRA	2011	4:39.70	JULIEN BAILLOD	SUI	2011	8:52.22	DAN STEPHENSON	USA	1992
1:03.67	RYOSUKE IMAI	JPN	2011	4:39.92	NICOLAS GRANGER	FRA	2000	1500 M. FREE			
1:04.91	JACOB CARSTENSEN	DEN	2010	4:40.22	SEAN MURPHY	USA	1994	16:32.72	CHRISTOPHER DERKS	USA	2008
1:05.02	NICK GILLINGHAM	GBR	1999	4:40.44	DAVID LUNDBERG	USA	1992	16:36.50	ANDREA MARCATO	ITA	2009
1:05.10	JEFF COMMINGS	USA	2007	4:40.91	HIROYUKI KOSAKA	JPN	2009	16:37.34	ROWDY GAINES	USA	1995
1:05.13	UMBERTO RAMELLI	ITA	2009	4:41.30	THOMAS FRISTOE	USA	1993	16:38.48	R SEAN JUSTICE	USA	2011
1:05.15	BASTIAN KAMPMANN	GER	2010	4:42.95	ISTVAN BATHAZI	USA	2011	16:40.90	IGOR PIOVESAN	ITA	2009
1:05.17	TUDOR IGNAT	ROM	2010	4:43.53	RAPHAEL VIEIRA	BRA	2007	16:45.04	MIKE SHAFFER	USA	2002
1:05.24	CARLOS ALENCAR	BRA	2009	*****				16:50.83	ERIK HOCHSTEIN	USA	2003
200 M. BRST				M E N 35-39				16:59.46	DANIEL VEATCH	USA	2001
2:19.67	ED MOSES	USA	2011	*****				17:06.10	OLIVIER VAHE	FRA	2009
2:20.43	NICK GILLINGHAM	GBR	1999	50 M. FREE				17:08.23	MICHAEL KLEIBER	GER	2001
2:21.25	HIROYUKI KOSAKA	JPN	2009	22.76	MARK FOSTER	GBR	2005	50 M. BACK			
2:21.28	TOMASZ DUSZYNSKI	POL	2008	23.20	ROWDY GAINES	JPN	1994	27.03	EDILSON SILVA	USA	2009
2:22.62	KAZUYA KOIKE	JPN	2009	23.28	M.GIALDI	ITA	2004	27.11	LEONARDO GOMES	BRA	2009
2:22.77	JACOB CARSTENSEN	DEN	2010	23.53	SVEN GUSKE	GER	2009	27.21	OSAMU ITOI	JPN	2009
2:22.88	SIMONE BATTISTON	ITA	2009	23.59	STEFAN VOLERY	SUI	1996	27.50	MICHAEL ROSS	USA	2004
2:24.06	DAVID LUNDBERG	USA	1991	23.60	FELIPE DELGADO	USA	2009	27.60	J CLAY BRITT	USA	1999
2:24.49	VALERYS KALMIKOV	LAT	2006	23.76	SVEN LODZIEWSKI	GER	2004	27.63	C.SORRENTINO	ITA	2009
2:24.84	TIMOTHY CARLSON	USA	2009	23.77	TODD ROBINSON	AUS	2009	27.68	RICK GOULD	USA	2006
50 M. FLY				23.79	JANNE VIRTANEN	FIN	2001	27.73	DEREK ROBINSON	USA	2004
24.61	ADAM PINE	AUS	2009	23.81	LEONARDO GOMES	BRA	2009	27.88	VIKTOR AREFYEV	UKR	2011
24.73	OSWALDO QUEVEDO	USA	2006	23.81	TIMO NOLTE	GER	2008	27.90	VLADIMIR SELKOV	RUS	2009
24.91	GARY HALL	USA	2005	100 M. FREE				100 M. BACK			
25.02	OLEG LISOGOR	UKR	2011	50.78	HIDEAKI HARA	JPN	2009	59.18	MICHAEL ROSS	USA	2006
25.02	ALEXANDER KAHL	GER	2007	51.49	ROWDY GAINES	USA	1995	59.50	OSAMU ITOI	JPN	2009
25.04	KEVIN DOAK	USA	2011	51.98	SVEN LODZIEWSKI	GER	2004	59.91	ERIC ERICSON	USA	2000
25.11	I.GHERGHEL	ROM	2010	52.15	RICHARD SAEGER	USA	2001	1:00.00	RICK GOULD	USA	2006
25.16	BRIAN ALDERMAN	USA	2000	52.22	VLAD PYSHNENKO	USA	2006	1:00.13	J CLAY BRITT	USA	1999
25.24	CURTIS SAWIN	USA	2002	52.23	MICHAEL ROSS	USA	2004	1:00.29	RICHARD SAEGER	USA	2001
25.25	TAKESHI DANNO	JPN	2000	52.27	TODD ROBINSON	AUS	2009	1:00.34	MARK VOGEL	DEN	2009
100 M. FLY				52.68	R.LOCOCIOLO	ITA	2009	1:00.44	RONALD KARNAUGH	USA	2003
53.11	ADAM PINE	AUS	2009	52.93	JOCHEN BRUHA	GER	2004	1:00.51	DEREK ROBINSON	USA	2004
54.19	I.GHERGHEL	ROM	2010	53.01	ISAMU TSUZUKI	JPN	2009	1:00.67	JEFF COMMINGS	USA	2009
55.01	TAMAS KEREKJARTO	USA	2009	200 M. FREE				200 M. BACK			
55.39	HIROKI NAKAZONO	JPN	2009	1:52.84	VLAD PYSHNENKO	USA	2006	2:07.16	RON KARNAUGH	USA	2001
55.67	MATT HAUPT	USA	2010	1:54.86	RICHARD SAEGER	USA	2001	2:09.26	DANIEL VEATCH	USA	2000
56.25	RAZVAN PETCU	USA	2004	1:55.36	ROWDY GAINES	JPN	1994	2:09.65	DARRYL FOLLOWS	NZL	2002
56.49	ROBERTO FIUZA N	BRA	1999	1:55.62	MICHAEL ROSS	USA	2006	2:10.38	NICHOLAS GRANGER	FRA	2002
56.62	OSWALDO QUEVEDO	USA	2006	1:55.68	JOCHEN BRUHA	GER	2004	2:10.59	RICK GOULD	USA	2006
56.64	MIKE BOTOM	USA	1988	1:56.02	RONALD KARNAUGH	USA	2003	2:12.18	DEREK GUFFEY	USA	2009
56.67	HIROYUKI KOSAKA	JPN	2009	1:56.45	GUSTAVO HELENO	BRA	2011	2:13.28	JEROME FRENTSOS	USA	2000
200 M. FLY				1:57.37	ERIK HOCHSTEIN	USA	2003	2:13.48	MARK VOGEL	DEN	2006
2:00.33	MIGUEL ALCALDE	ESP	2007	1:57.69	HIDEAKI HARA	JPN	2011	2:13.56	CHRIS JONES	GBR	2007
2:03.76	MATT HAUPT	USA	2010	1:57.85	NICHOLAS GRANGER	FRA	2002	2:13.83	THOMAS WOLF	USA	1990
2:03.85	BOBBY PATTEN	USA	1995	400 M. FREE				50 M. BRST			
2:06.79	ASUKA KOIZUMI	JPN	2009	4:06.73	GUSTAVO HELENO	BRA	2011	28.53	JEFF COMMINGS	USA	2009
2:06.82	PHILIPPE MEYER	SUI	2005	4:07.64	ROWDY GAINES	USA	1995	28.80	VLADISLAV BRAGIN	RUS	2009
2:06.84	IAN BECK	GBR	1996	4:09.74	DANIEL VERDAGUER	ESP	2006	29.09	WALLY DICKS	USA	1998
2:07.71	JAMES BELARDI	USA	1987	4:10.31	ERIK HOCHSTEIN	USA	2003	29.21	TIMO NOLTE	GER	2010
2:08.06	JULIEN BAILLOD	SUI	2011	4:10.54	IGOR PIOVESAN	ITA	2009	29.40	GERALD MORKEN	GER	1996
2:08.25	TAMAS KEREKJARTO	USA	2010	4:12.48	CHRIS FYDLER	AUS	2009	29.57	PETTERI LEHTINEN	FIN	2009
2:08.55	GREGORY DANNER	USA	2011	4:12.56	ANDREA MARCATO	ITA	2009	29.64	ANDREA AGOSTINONE	ITA	2006
200 M. I.M.				4:13.24	R SEAN JUSTICE	USA	2011	29.65	YASUHIRO KOMORI	JPN	2009
2:03.54	DIOGO YABE	BRA	2011	4:14.52	DANIEL SERRA	ESP	2007	29.66	ROB BUTCHER	USA	2009
2:05.52	ISTVAN BATHAZI	USA	2009	4:14.65	CHRISTOPHER DERKS	USA	2008	29.70	TAKASHI HIRAKAWA	JPN	2009
2:05.60	TAMAS KEREKJARTO	USA	2010	800 M. FREE				100 M. BRST			
2:07.38	JACOB CARSTENSEN	DEN	2010	8:35.29	GUSTAVO HELENO	BRA	2011	1:04.73	NICK GILLINGHAM	GBR	2004
2:07.97	KOSUKE KOJIMA	USA	2009	8:38.73	ROWDY GAINES	USA	1996	1:04.91	STEVE WEST	USA	2011
2:08.89	NICOLAS GRANGER	FRA	2000	8:39.37	ANDREA MARCATO	ITA	2009	1:05.00	WALLY DICKS	USA	2000
2:09.34	C.SORRENTINO	ITA	2008	8:39.49	IGOR PIOVESAN	ITA	2009	1:05.07	ALBERTO MONTINI	ITA	2004
2:09.69	DAVID LUNDBERG	USA	1991	8:41.16	DANIEL VERDAGUER	ESP	2006	1:05.38	VLADISLAV BRAGIN	RUS	2010
2:09.70	JOSH DAVIS	USA	2006	8:41.53	R SEAN JUSTICE	USA	2011	1:05.63	RONALD KARNAUGH	USA	2003
2:09.77	ASUKA KOIZUMI	JPN	2009	8:46.26	JIMMY FURRER	SUI	1996	1:05.67	DAVID GUTHRIE	USA	1995
400 M. I.M.				8:49.89	ALEJANDRO MORENO	MEX	2004	1:05.70	JEFF COMMINGS	USA	2009
4:35.41	ASUKA KOIZUMI	JPN	2010					1:05.95	ROB BUTCHER	USA	2009



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1:06.33	HIROYUKI KOSAKA	JPN	2011	4:50.18	SERGEY FESENKO	UKR	1994	17:01.24	MARCO TENDERINI	ITA	2009
200 M. BRST								17:05.53	JOSEPH RHYNE	USA	1999
2:20.29	NICK GILLINGHAM	GBR	2004	*****				17:09.14	MIKE SHAFFER	USA	2009
2:20.34	STEVE WEST	USA	2011		M E N 40-44			17:13.00	MARK THOMPSON	AUS	2011
2:21.87	RON KARNAUGH	USA	2001	*****				50 M. BACK			
2:24.26	ALBERTO MONTINI	ITA	2004	50 M. FREE				27.38	EDILSON SILVA	BRA	2010
2:24.37	DAVID GUTHRIE	USA	1995	23.30	STEPHAN VOLERY	SUI	2001	27.47	MICHAEL ROSS	USA	2008
2:24.42	HIROYUKI KOSAKA	JPN	2011	23.86	M.GIALDI	ITA	2008	27.88	CLAY BRITT	USA	2002
2:26.05	WALLY DICKS	USA	2000	24.12	TOMMY RUNDGREN	FIN	2009	27.95	CHRIS STEVENSON	USA	2008
2:27.27	TOMASZ DUSZYNSKI	POL	2011	24.14	DAVID BOATWRIGHT	USA	2003	28.08	TOM STACHEWICZ	AUS	2008
2:27.55	ROQUE SANTOS	USA	2006	24.23	TODD PACE	USA	2011	28.26	VLADIMIR SELKOV	RUS	2011
2:27.59	SIMONE BATTISTON	ITA	2010	24.24	ERIK HOCHSTEIN	USA	2008	28.26	GIUSEPPE TIANO	ITA	2009
50 M. FLY				24.25	BRENT BARNES	JPN	1998	28.48	Y.NAKAHARA	JPN	2010
24.75	MARK FOSTER	GBR	2005	24.30	VLAD PYSHNENKO	USA	2010	28.51	BRAD COOPER	AUS	1994
25.00	WADE KING	USA	2002	24.31	MICHAEL ROSS	USA	2008	28.53	RICH SAEGER	USA	2006
25.10	LEONARDO GOMES	BRA	2009	24.36	JANNE VIRTANEN	FIN	2004	100 M. BACK			
25.22	MAKIO ENDO	JPN	2009	100 M. FREE				59.08	MICHAEL ROSS	USA	2009
25.23	EIJI NOMURA	JPN	2010	51.72	VLAD PYSHNENKO	USA	2010	1:00.56	CHRIS STEVENSON	USA	2008
25.31	JAN KARLSSON	SWE	2005	52.10	ERIK HOCHSTEIN	USA	2009	1:00.62	EDILSON SILVA	BRA	2010
25.41	DENIS SILANTJEV	UKR	2011	52.42	MICHAEL ROSS	USA	2009	1:00.64	RICH SAEGER	USA	2006
25.46	HIDEAKI HARA	JPN	2011	53.19	STEFAN OPATRIL	AUT	2009	1:00.91	CLAY BRITT	USA	2002
25.49	MICHAEL ROSS	USA	2004	53.31	TOMMY RUNDGREN	FIN	2009	1:00.95	SEAN MURPHY	USA	2006
25.52	SVEN GUSKE	GER	2009	53.45	RICH SAEGER	USA	2006	1:01.09	DEKE BOTSFORD	CAN	2010
100 M. FLY				53.66	JOAKIM SJOHOLM	SWE	2004	1:01.43	GIUSEPPE TIANO	ITA	2009
55.82	HIDEAKI HARA	JPN	2011	53.69	CYRO DELGADO	BRA	2002	1:01.83	Y.NAKAHARA	JPN	2010
55.84	EIJI NOMURA	JPN	2009	53.78	JACK GROSELLE	USA	1998	1:01.92	JEFF WELECHUK	CAN	2011
56.07	MICHAEL ROSS	USA	2004	53.97	DINO SCHORN	ITA	2010	200 M. BACK			
56.39	TYLER JOURDONNAIS	USA	2000	200 M. FREE				2:12.77	MARK VOGEL	DEN	2010
56.41	BERNIE ZERUHN	USA	2006	1:53.65	VLAD PYSHNENKO	USA	2010	2:13.37	SEAN MURPHY	USA	2006
56.60	JEFF STUART	USA	1996	1:55.06	MICHAEL ROSS	USA	2009	2:13.48	CHRIS STEVENSON	USA	2008
56.76	FRANK WATTLES	USA	2007	1:55.06	RICH SAEGER	USA	2006	2:14.37	ERIK HOCHSTEIN	USA	2009
57.10	HENRY CLARK	USA	2003	1:55.70	ERIK HOCHSTEIN	USA	2008	2:14.61	JOHN ENGS	USA	2006
57.32	MASAKATSU USAMI	JPN	2007	1:58.50	KAI DITZEL	GER	2004	2:14.71	DEKE BOTSFORD	CAN	2010
57.39	PHILIPPE MEYER	SUI	2006	1:58.60	ROSS DAVIS	USA	2006	2:14.83	DANIEL VEATCH	USA	2006
57.39	WILLIAM SPECHT	USA	1994	1:58.61	PAUL SMITH	USA	2001	2:15.09	EDUARDO MAROCCO	BRA	2010
200 M. FLY				1:58.66	JOCHEN BRUHA	GER	2009	2:15.35	ROSS DAVIS	USA	2006
2:06.74	JEFF STUART	USA	1996	1:58.66	JEFFREY UTSCH	USA	2008	2:15.49	WILLIAM SPECHT	USA	1999
2:07.13	BERNIE ZERUHN	USA	2006	1:58.74	JURE BUCAR	SLO	2006	50 M. BRST			
2:08.13	KIMITAKA MINOBE	JPN	2011	400 M. FREE				28.84	ALBERTO MONTINI	ITA	2009
2:08.51	WILLIAM SPECHT	USA	1994	4:06.74	ERIK HOCHSTEIN	USA	2009	29.50	VLADIMIR BRAGIN	RUS	2011
2:08.65	MIKE SHAFFER	USA	2002	4:11.55	DENNIS BAKER	USA	2004	29.56	YOZO FUJII	JPN	2009
2:09.03	PHILIPPE MEYER	SUI	2006	4:13.65	MARK THOMPSON	AUS	2009	29.86	MAKOTO ONODERA	JPN	2009
2:09.10	FRANK WATTLES	USA	2007	4:13.82	JURE BUCAR	SLO	2006	29.98	RICO ROLLI	ITA	2009
2:09.18	JAMES BELARDI	USA	1992	4:14.37	MICHAEL PRUFERT	GER	2006	30.16	ROBERTO DOBIE	ARG	2009
2:09.36	DENNIS BAKER	USA	2000	4:14.54	PAUL LEMMON	AUS	2009	30.41	JAMES CORBEAU	USA	2008
2:09.77	HENRY CLARK	USA	2002	4:15.57	BRETT PHILLIPS	USA	2001	30.48	ALESSANDRO VISINI	ITA	2009
200 M. I.M.				4:15.71	MICHAEL KLEIBER	GER	2004	30.51	GERHARD AMMER	GER	2000
2:05.64	RONALD KARNAUGH	USA	2003	4:15.78	KAI DITZEL	GER	2004	30.52	JENS LUTSCHIN	GER	2008
2:11.23	NICOLAS GRANGER	FRA	2002	4:15.86	JOSEPH RHYNE	USA	1999	30.52	MARCO BOBBIO	ITA	2004
2:12.25	R.LOCOCIOLO	ITA	2010	800 M. FREE				100 M. BRST			
2:13.02	JEROME FRENTSOS	USA	2000	8:37.81	ALEX KOSTICH	USA	2010	1:04.86	VLADIMIR BRAGIN	RUS	2011
2:13.04	HIROYUKI KOSAKA	JPN	2011	8:41.65	JEFF ERWIN	USA	2005	1:05.04	ALBERTO MONTINI	ITA	2009
2:13.27	ALBERTO MONTINI	ITA	2007	8:44.89	DANIEL SERRA	ESP	2008	1:05.97	RICO ROLLI	ITA	2009
2:13.99	EDWIN VAN NORDEN	NED	2001	8:46.51	MICHAEL KLEIBER	GER	2005	1:06.16	YOZO FUJII	JPN	2009
2:14.01	HIDEAKI HARA	JPN	2010	8:46.61	MICHAEL PRUFERT	GER	2005	1:06.60	MAKOTO ONODERA	JPN	2009
2:14.46	ISAMU TSUZUKI	JPN	2009	8:48.69	JOSEPH RHYNE	USA	1999	1:06.90	HAJIME MORIMOTO	JPN	2009
2:14.60	JEFF COMMINGS	USA	2011	8:51.45	STUART CROMARTY	USA	2004	1:07.91	FABIO MARUSSIG	ITA	2010
400 M. I.M.				8:53.61	PAUL LEMMON	AUS	2009	1:08.01	DAVID GUTHRIE	USA	2000
4:34.10	RON KARNAUGH	USA	2001	8:54.03	DINO SCHORN	ITA	2009	1:08.17	MATTHEW WRIGHT	AUS	2009
4:42.45	NICOLAS GRANGER	FRA	2002	8:55.00	MARK THOMPSON	AUS	2011	1:08.21	HOWARD SEIDMAN	USA	2006
4:43.17	JEROME FRENTSOS	USA	2000	1500 M. FREE				200 M. BRST			
4:45.47	DEREK GUFFEY	USA	2009	16:36.91	ALEX KOSTICH	USA	2010	2:18.94	ALBERTO MONTINI	ITA	2009
4:45.98	SANDRO TOMAS	CRO	2008	16:39.60	JEFF ERWIN	USA	2008	2:24.19	ROQUE SANTOS	USA	2008
4:46.79	DARIUSZ WOLNY	POL	1998	16:45.53	MICHAEL KLEIBER	GER	2003	2:24.27	VLADIMIR BRAGIN	RUS	2011
4:48.38	ROQUE SANTOS	USA	2006	16:48.68	TIMOTHY GALLAUDET	USA	2008	2:27.83	WOLFGANG RABER	AUT	2010
4:49.90	A.TIBERTI	ITA	2001	16:54.95	MICHAEL PRUFERT	GER	2006	2:28.54	DAVID GUTHRIE	USA	2000
4:50.07	YOSHINORI IWASAKI	JPN	2010	16:58.52	HESS YNTEMA	USA	1995	2:29.66	MAKOTO ONODERA	JPN	2010



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2:29.77	RON SCHAFFER	USA	1998	24.50	ANDREA NICOLAO	ITA	2009	28.44	CHRIS STEVENSON	USA	2009
2:29.99	TIMOUR PODMARER	RUS	1998	24.50	ANDE RASMUSSEN	USA	2008	28.77	JAY YARID	USA	2008
2:31.53	V.PYLYPCHENKO	UKR	2006	24.63	RICO ROLLI	ITA	2010	29.01	CRAIG NORREY	SUI	2006
2:31.76	JIM TUCHLER	USA	2009	24.72	METELLO SAVINO	ITA	2008	29.16	HIROYOSHI MAETOGE	JPN	2011
50 M. FLY				24.74	MARCO COLOMBO	ITA	2005	29.16	AL JAEGER	USA	2008
25.07	SERKAN ATASAY	TUR	2011	24.75	GARY SCHATZ	USA	2000	29.17	MARCO COLOMBO	ITA	2005
25.51	JOHN BATES	AUS	2011	24.78	ZORAN TANSEK	CRO	2010	100 M. BACK			
25.57	MICHAEL ROSS	USA	2009	100 M. FREE				1:00.13	STEVE WOOD	USA	2008
25.73	JAN KARLSSON	SWE	2010	53.77	MARCO COLOMBO	ITA	2005	1:00.55	CHRIS STEVENSON	USA	2009
25.73	STEVE HILTABIDDLE	USA	2009	53.90	JACK GROSELLE	USA	1999	1:02.07	J CLAY BRITT	USA	2006
25.87	PAUL SMITH	USA	2000	54.15	PAUL SMITH	USA	2008	1:02.62	FRITZ LEHMAN	USA	2003
25.90	HARTMUT BERNER	GER	2005	54.22	JAMES MONTGOMERY	USA	2002	1:02.65	FRITZ BEDFORD	USA	2011
25.96	JOHN CUNNINGHAM	IRL	2010	54.79	KEITH SWITZER	USA	2009	1:02.79	JAY YARID	USA	2008
26.01	ROBERTO TARRICONE	ITA	2004	54.83	DAVID BOATWRIGHT	USA	2006	1:02.92	MARCO COLOMBO	ITA	2005
26.12	KIP FULBECK	USA	2009	54.95	STEVE WOOD	USA	2007	1:02.94	JOHN ENGS	USA	2008
100 M. FLY				55.13	MARK REYNOLDS	GBR	2008	1:03.15	JORGE FARIA	POR	2009
56.17	SERKAN ATASAY	TUR	2011	55.33	PIERRE BLANC	FRA	2010	1:03.19	TAIHEI SAKA	JPN	2009
56.43	MICHAEL ROSS	USA	2008	55.35	PAUL CARTER	USA	2002	200 M. BACK			
57.57	PAUL CARTER	USA	2001	200 M. FREE				2:15.83	CHRIS STEVENSON	USA	2011
57.62	HENRY CLARK	USA	2005	1:57.89	KEITH SWITZER	USA	2009	2:16.78	TAIHEI SAKA	JPN	2009
57.67	ALBERTO MONTINI	ITA	2009	1:59.34	DENNIS BAKER	USA	2009	2:17.40	MICHAEL SODERLUND	USA	2010
57.79	WILLIAM SPECHT	USA	1999	1:59.37	KAI DITZEL	GER	2008	2:18.25	LEN GUSHE	CAN	2008
57.97	DENNIS BAKER	USA	2004	1:59.56	MARCUS MATTIOLI	BRA	2006	2:18.44	STEVE WOOD	USA	2008
58.10	ANDREA TOJA	ITA	2009	1:59.60	MARCO COLOMBO	ITA	2007	2:18.61	WIESLAW MUSIAL	CAN	2003
58.18	STEVE HILTABIDDLE	USA	2008	2:00.44	PAUL SMITH	USA	2006	2:18.65	ROSS DAVIS	USA	2011
58.29	CHRIS STEVENSON	USA	2008	2:00.89	DAN STEPHENSON	USA	2002	2:18.66	JOHN ENGS	USA	2008
200 M. FLY				2:01.25	DANIEL MACHEK	CZE	2006	2:19.07	FRITZ LEHMAN	USA	2003
2:05.55	DENNIS BAKER	USA	2004	2:01.30	JACK GROSELLE	USA	2002	2:19.11	JAY YARID	USA	2008
2:09.47	WILLIAM SPECHT	USA	1998	2:01.67	JAMES MONTGOMERY	USA	2002	50 M. BRST			
2:10.20	MIKE SHAEFFER	USA	2006	400 M. FREE				29.63	RICO ROLLI	ITA	2011
2:11.16	TOSHIYUKI IBE	JPN	2010	4:09.20	DENNIS BAKER	USA	2008	29.70	V.ZAGREBENKO	RUS	2009
2:11.53	JAMES BELARDI	USA	1997	4:11.07	KEITH SWITZER	USA	2009	29.90	JENS LUTSCHIN	GER	2009
2:12.43	HESS YNTEMA	USA	1996	4:14.81	MARCUS MATTIOLI	BRA	2006	30.27	RICHARD SCHROEDER	USA	2006
2:12.66	JOSEPH RHYNE	USA	1999	4:16.20	MICHAEL PRUFERT	GER	2009	30.41	GLEN CHRISTIANSEN	SWE	2002
2:13.50	MARK MAGEE	USA	2009	4:18.78	MICHAEL KLEIBER	GER	2009	30.49	V.PYLYPCHENKO	UKR	2009
2:13.65	A.LAVEGLIA	ITA	2008	4:18.93	JEFF ERWIN	USA	2009	30.55	FABIO SERVADIO	ITA	2009
2:14.17	TAIHEI SAKA	JPN	2008	4:20.23	DANIEL MACHEK	CZE	2006	30.59	DAVID GUTHRIE	USA	2008
200 M. I.M.				4:21.13	DAN STEPHENSON	USA	2002	30.79	RICHARD LOCKHART	NZL	2008
2:10.63	ALBERTO MONTINI	ITA	2009	4:21.16	JIM MCCONICA	USA	1999	30.82	WALLY DICKS	USA	2011
2:12.41	PETER BERMEL	GER	2007	4:21.26	CHRIS STEVENSON	USA	2009	100 M. BRST			
2:12.73	UWE VOLK	GER	2010	800 M. FREE				1:06.35	V.PYLYPCHENKO	UKR	2009
2:14.13	ERIK HOCHSTEIN	USA	2009	8:42.85	MARCUS MATTIOLI	BRA	2006	1:06.67	RICO ROLLI	ITA	2010
2:14.39	LORENZO BENUCCI	USA	2007	8:50.06	MICHAEL KLEIBER	GER	2009	1:07.38	DAVID GUTHRIE	USA	2008
2:15.10	JENS-PETER BERNDT	USA	2004	8:51.98	JEFF ERWIN	USA	2010	1:08.56	V.ZAGREBENKO	RUS	2009
2:15.53	JAMES SORENSEN	USA	1998	8:52.20	MICHAEL PRUFERT	GER	2009	1:08.91	THOMAS LIGL	GER	2009
2:15.75	MICHAEL ROSS	USA	2009	8:58.50	RICARDO VALDIVIA	USA	2009	1:08.92	RICHARD SCHROEDER	USA	2006
2:15.78	DEKE BOTSFORD	CAN	2010	8:58.84	JIM MCCONICA	USA	1999	1:09.03	JON BLANK	USA	2009
2:16.07	JIM TUCHLER	USA	2009	9:03.54	DANIEL MACHEK	CZE	2004	1:09.08	JAMES CORBEAU	USA	2009
400 M. I.M.				9:07.99	GEORGE TIDMARSH	USA	2006	1:09.09	WALLY DICKS	USA	2009
4:47.01	PETER BERMEL	GER	2007	9:08.34	MARK DRENNEN	USA	2004	1:09.19	JENS LUTSCHIN	GER	2009
4:48.98	ALBERTO MONTINI	ITA	2008	9:10.06	CALUM MCKINLAY	GBR	2009	200 M. BRST			
4:49.42	DENNIS BAKER	USA	2005	1500 M. FREE				2:24.91	V.PYLYPCHENKO	UKR	2009
4:49.62	DARIUSZ WOLNY	POL	2000	16:38.81	JEFF ERWIN	USA	2009	2:27.79	DAVID GUTHRIE	USA	2008
4:50.74	GUNTER GOTTFRIED	GER	2000	16:57.17	RICARDO VALDIVIA	USA	2009	2:33.74	THOMAS LIGL	GER	2006
4:50.97	LORENZO BENUCCI	USA	2007	16:58.68	MICHAEL KLEIBER	GER	2009	2:34.32	TIMUR PODMAREV	RUS	2006
4:51.28	ALEJANDRO MORENO	MEX	2010	17:10.90	GEORGE TIDMARSH	USA	2005	2:35.11	GLEN CHRISTIANSEN	SWE	2002
4:53.03	HESS YNTEMA	USA	1995	17:11.41	MICHAEL PRUFERT	GER	2009	2:36.17	RICHARD LOCKHART	NZL	2008
4:53.24	JENS-PETER BERNDT	USA	2004	17:12.28	MARCUS MATTIOLI	BRA	2008	2:36.36	JON BLANK	USA	2006
4:53.39	A.TIBERTI	ITA	2004	17:23.73	CALUM MCKINLAY	GBR	2009	2:36.77	YASUO NARUSHIMA	JPN	2009
*****				17:28.77	BOBBY PATTEN	USA	2009	2:37.17	EDWIN VAN NORDEN	NED	2009
*****				17:28.80	B.BORDONALI	ITA	2007	2:37.81	RON SCHAFFER	USA	2002
*****				17:31.23	TODD BRYAN	USA	1998	50 M. FLY			
*****				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	26.38	STEVE HILTABIDDLE	USA	2011



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26.54	ANDREA NICOLAO	ITA	2009	54.94	BOB BUGG	USA	2009	1:04.70	GIANNI BERTOLI	ITA	2009
26.57	GREGG PRICE	RSA	2008	55.11	DAN STEPHENSON	USA	2007	1:04.83	TOM WOLF	USA	2004
26.64	TRIP HEDRICK	USA	2003	55.13	RICK ABBOTT	USA	2008	1:05.02	RICK ABBOTT	USA	2008
26.65	ANDERS RASMUSSEN	USA	2009	55.38	TRIP HEDRICK	USA	2006	1:05.08	CLAY BRITT	USA	2011
26.66	CHRIS STEVENSON	USA	2011	55.42	PAUL SMITH	USA	2009	1:05.81	SCOTT SHAKE	USA	2008
100 M. FLY				55.58	STEVE WOOD	USA	2011	1:06.28	DAN STEPHENSON	USA	2007
56.42	PAUL CARTER	USA	2002	56.06	BRENT BARNES	JPN	2008	1:06.30	DJAN MADRUGA	BRA	2010
57.60	PAUL SMITH	USA	2008	56.37	JOHN VAN BUUREN	CAN	2004	200 M. BACK			
58.47	C.LUTOTOVICH	ARG	2009	200 M. FREE				2:17.74	JAMIE FOWLER	USA	2009
59.10	CHRIS STEVENSON	USA	2009	2:00.34	DAN STEPHENSON	USA	2007	2:20.51	TOM WOLF	USA	2004
59.20	DENNIS BAKER	USA	2009	2:01.40	BOB BUGG	USA	2009	2:21.85	DJAN MADRUGA	BRA	2010
59.38	WILLIAM SPECHT	USA	2003	2:02.50	JIM MCCONICA	USA	2000	2:22.26	SCOTT SHAKE	USA	2009
59.40	ANDERS RASMUSSEN	USA	2009	2:03.51	AMBROSE GAINES	JPN	2010	2:22.55	STEVE WOOD	USA	2011
59.63	SCOTT CARPENTER	USA	2009	2:03.66	JACK GROSELLE	USA	2004	2:22.62	WIESLAW MUSIAL	CAN	2008
59.64	JOHN ENGS	USA	2008	2:03.69	MARCUS MATTIOLI	BRA	2011	2:24.55	MINAKOV VALERIJS	LAT	2010
59.72	STEVE HILTABIDDLE	USA	2011	2:04.34	DANIEL MACHEK	CZE	2009	2:25.15	DARIUSZ WOLNY	POL	2010
200 M. FLY				2:05.01	EDGARS OZOLINS	LAT	2009	2:25.57	BOB BUGG	USA	2009
2:04.07	DENNIS BAKER	USA	2008	2:05.07	FRANCIS CHRISTIAN	AUS	2008	2:25.70	JIM MCCONICA	USA	2000
2:08.34	MARCUS MATTIOLI	BRA	2006	2:06.21	LARRY KRAUSER	USA	2003	50 M. BRST			
2:10.97	PAUL CARTER	USA	2002	400 M. FREE				30.97	OLIVIER BORIOS	FRA	2009
2:11.02	WILLIAM SPECHT	USA	2003	4:16.61	DAN STEPHENSON	USA	2007	30.97	GARY PATTERSON	USA	2009
2:13.69	M.CACCIAMANI	ITA	2011	4:19.47	JIM MCCONICA	USA	2000	31.37	DOUG MALCOLM	USA	2007
2:14.96	JIM BELARDI	USA	2002	4:20.27	MARCUS MATTIOLI	BRA	2010	31.50	GLEN CHRISTIANSEN	SWE	2009
2:15.76	MIKE SHAFFER	USA	2011	4:20.71	BOB BUGG	USA	2009	31.64	ANDREA FLORIT	ITA	2010
2:16.26	MAURO CAPPELLETTI	ITA	2010	4:22.79	JOSEPH RHYNE	USA	2009	31.96	RONNY OLTNER	SWE	2007
2:16.41	FRED SCHUSTER	USA	2009	4:24.31	DANIEL MACHEK	CZE	2009	32.01	LORENZO MERLI	ITA	2009
2:16.68	A.LAVEGLIA	ITA	2011	4:24.41	FRANCIS CHRISTIAN	AUS	2008	32.03	DAVID GUTHRIE	USA	2011
200 M. I.M.				4:27.07	MARK DRENNEN	USA	2006	32.09	RASTISLAV PAVLIK	SVK	2011
2:14.90	JEROME FRENTSOS	USA	2010	4:27.91	MICHAEL MANN	USA	2008	32.16	ROBERT STRAND	USA	1998
2:16.12	DENNIS BAKER	USA	2006	4:29.35	DJAN MADRUGA	BRA	2009	100 M. BRST			
2:16.32	TAIHEI SAKA	JPN	2009	800 M. FREE				1:09.36	GARY PATTERSON	USA	2009
2:17.21	VLASENKO ALEXEI	RUS	2010	8:55.05	MARCUS MATTIOLI	BRA	2010	1:10.09	GLEN CHRISTIANSEN	SWE	2009
2:18.58	MARCO COLOMBO	ITA	2007	9:03.84	JIM MC CONICA	USA	2001	1:11.30	DAVID GUTHRIE	USA	2010
2:18.61	SERGII FESENKO	UKR	2004	9:06.61	DAN STEPHENSON	USA	2007	1:11.45	ANDREA FLORIT	ITA	2010
2:18.80	EDWIN VAN NORDEN	NED	2009	9:11.84	BOB BUGG	USA	2009	1:11.49	JACK GROSELLE	USA	2004
2:19.67	SHAWN O'GORMAN	USA	2006	9:13.23	DANIEL MACHEK	CZE	2009	1:11.55	TIMUR PODMAREV	RUS	2007
2:19.69	PAUL CARTER	USA	2002	9:13.39	JOSEPH RHYNE	USA	2009	1:11.59	DOUG MALCOLM	USA	2007
2:20.03	A.TIBERTI	ITA	2008	9:13.68	MARK DRENNEN	USA	2006	1:11.90	ROBERT STRAND	USA	1998
400 M. I.M.				9:14.23	LORENZO MARUGO	ITA	2004	1:12.22	PATRICK ALLENDER	USA	2009
4:47.65	JEROME FRENTSOS	USA	2010	9:17.51	FRANCIS CHRISTIAN	AUS	2008	1:12.27	RONNY OLTNER	SWE	2007
4:50.27	MARCUS MATTIOLI	BRA	2008	9:17.97	MICHAEL MANN	USA	2006	200 M. BRST			
4:50.73	DENNIS BAKER	USA	2006	1500 M. FREE				2:34.70	TIMUR PODMAREV	RUS	2007
4:55.83	TAIHEI SAKA	JPN	2010	17:08.33	JIM MCCONICA	USA	2000	2:35.08	LORENZO MARUGO	ITA	2004
4:57.54	A.TIBERTI	ITA	2008	17:34.04	MARCUS MATTIOLI	BRA	2011	2:36.85	DAVID GUTHRIE	USA	2010
4:58.93	VLASENKO ALEXEI	RUS	2010	17:40.70	MARK DRENNEN	USA	2006	2:39.08	RICK COLELLA	USA	2001
4:59.83	DJAN MADRUGA	BRA	2004	17:52.24	LORENZO MARUGO	ITA	2004	2:39.43	PODMAREV TIMUR	RUS	2010
5:00.08	LEN GUSHE	CAN	2008	18:00.54	FRANCIS CHRISTIAN	AUS	2007	2:39.51	ANDREA FLORIT	ITA	2010
5:00.60	CAMERON REID	USA	2006	18:04.63	R TOD SPIEKER	USA	1998	2:40.05	WOLFGANG PIRL	GER	2009
5:01.70	ANDERS RASMUSSEN	USA	2011	18:05.24	ANDREW BRAY	USA	2009	2:40.29	PATRICK ALLENDER	USA	2008
*****				18:11.41	KEITH BERRYHILL	USA	2009	2:40.57	ROBERT STRAND	USA	1996
M E N 50-54				18:13.47	JIM CLEMMONS	USA	2002	2:41.02	BENN DOYLE	USA	2008
*****				18:15.68	LARRY KRAUSER	USA	2005	50 M. FLY			
50 M. FREE				50 M. BACK				25.88	PAUL CARTER	USA	2008
24.08	BRENT BARNES	JPN	2009	28.60	STEVE WOOD	USA	2011	26.23	TRIP HEDRICK	USA	2004
24.58	AMBROSE GAINES	USA	2009	28.86	CLAY BRITT	USA	2011	26.56	PAUL SMITH	USA	2009
24.60	RICHARD ABRAHAMS	USA	1998	29.43	JAMIE FOWLER	USA	2009	26.80	RAMON VOLCAN	VEN	2009
24.88	RICK ABBOTT	USA	2008	29.51	MINAKOV VALERIJS	LAT	2010	26.83	RICK ABBOTT	USA	2008
24.89	JACK GROSELLE	USA	2004	29.63	RAMON VOLCAN	VEN	2009	27.10	HUGO BREGMAN	NED	2009
24.94	TRIP HEDRICK	USA	2006	29.81	TOM WOLF	USA	2004	27.12	JOHN FIELDS	USA	2007
25.03	GARY SCHATZ	USA	2005	29.93	GIANNI BERTOLI	ITA	2009	27.13	RICHARD ABRAHAMS	USA	1998
25.21	PAUL SMITH	USA	2009	29.95	JOHN VAN BUUREN	CAN	2004	27.30	SAM FRANKLIN	USA	2007
25.25	STEVE WOOD	USA	2011	30.03	SCOTT SHAKE	USA	2008	27.30	GREG SHAW	USA	2005
25.36	LARRY FORSYTH	AUS	2009	30.16	ANDRE STEYNBERG	RSA	2006	100 M. FLY			
100 M. FREE				100 M. BACK				57.23	PAUL CARTER	USA	2008
54.61	AMBROSE GAINES	JPN	2011	1:01.89	STEVE WOOD	USA	2011	59.49	TRIP HEDRICK	USA	2004
54.93	JACK GROSELLE	USA	2004	1:02.93	JAMIE FOWLER	USA	2009	59.67	HUGO BREGMAN	NED	2009
				1:03.44	MINAKOV VALERIJS	LAT	2010	59.87	MARCUS MATTIOLI	BRA	2010



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1:00.55	WILLIAM SPECHT	USA	2009	2:05.82	JACK GROSELLE	USA	2009	2:27.49	FRED FERROGGIARO	USA	2008
1:01.43	JOHN VAN BUUREN	CAN	2004	2:08.03	JIM MC CONICA	USA	2005	2:29.60	JOHN MARCH	AUS	2008
1:01.63	PAUL BLACKBEARD	RSA	2008	2:08.67	BRAD HORNER	USA	2009	2:29.67	WES EDWARDS	USA	2008
1:01.64	JOHN PHILLIPS	USA	2009	2:09.25	PHIL DODSON	USA	2008	2:30.02	PHILIPP DJANG	USA	2009
1:01.79	GREG SHAW	USA	2003	2:09.54	BILL DEVENISH	AUS	2008	2:30.26	JIM ADAMS	IRL	2007
1:01.93	JOHN MCCALL	USA	2003	2:10.11	ALEXANDER MILLS	NOR	2006	2:30.82	R TOD SPIEKER	USA	2003
200 M. FLY				2:10.16	STEVEN PRESCOTT	NZL	2009	2:30.84	TIM BIRNIE	USA	2000
2:13.39	MARCUS MATTIOLI	BRA	2010	2:10.62	LARRY KRAUSER	USA	2008	2:32.93	JOHN CALVERT	USA	2000
2:13.80	DENNIS BAKER	USA	2011	2:10.90	TERRY DOWNES	RSA	2004	50 M. BRST			
2:15.06	HUGO BREGMAN	NED	2009	400 M. FREE				31.05	WALTER KUSCH	GER	2009
2:18.57	PAUL CARTER	USA	2008	4:22.49	MICHAEL MANN	USA	2009	32.07	TIMOTHY SHEAD	RSA	2008
2:19.16	FRANCIS CHRISTIAN	AUS	2008	4:25.34	JIM MC CONICA	USA	2005	32.44	JACK GROSELLE	USA	2009
2:19.35	JOSEPH RHYNE	USA	2009	4:33.42	STEVE PRESCOTT	NZL	2009	32.72	STUART ELLICOTT	AUS	2009
2:20.46	WILLIAM SPECHT	USA	2009	4:37.94	J.CHATARD	FRA	2006	32.74	RANDY PARKER	USA	2009
2:21.40	SCOTT LAUTMAN	USA	2004	4:38.81	R TOD SPIEKER	USA	2003	32.92	G.HOFFMANN	USA	2011
2:22.29	LAWRENCE DAY	USA	2001	4:39.19	BILL DEVENISH	AUS	2008	33.03	ALEXANDER MILLS	NOR	2006
2:25.14	JIM MC CONICA	USA	2001	4:39.56	R SCOTT TOWNSEND	USA	2009	33.03	HIROSHI KOTEGAWA	JPN	1993
200 M. I.M.				4:41.12	GEORGE WATSON	USA	2002	33.32	ROBERT STRAND	USA	2002
2:18.05	JAMIE FOWLER	USA	2009	4:41.46	LARRY KRAUSER	USA	2008	33.37	DONALD MCKENZIE	USA	2002
2:19.79	MARCUS MATTIOLI	BRA	2010	4:42.19	PHIL DODSON	USA	2008	100 M. BRST			
2:20.02	MICHAEL MANN	USA	2008	800 M. FREE				1:11.13	TIMOTHY SHEAD	RSA	2008
2:20.99	KEN SHILLING	USA	2008	9:00.09	MICHAEL MANN	USA	2009	1:12.85	WALTER KUSCH	GER	2009
2:23.06	LORENZO MARUGO	ITA	2004	9:06.86	JIM MCCONICA	USA	2006	1:12.87	G.HOFFMANN	USA	2011
2:23.45	RICK COLELLA	USA	2001	9:22.02	STEVE PRESCOTT	NZL	2009	1:13.11	JACK GROSELLE	USA	2009
2:23.86	JACK GROSELLE	USA	2005	9:35.87	TODD BRYAN	USA	2006	1:14.21	RANDY PARKER	USA	2009
2:23.88	TOM WOLF	USA	2004	9:37.49	J.CHATARD	FRA	2006	1:14.30	RICK COLELLA	USA	2008
2:24.12	DJAN MADRUGA	BRA	2010	9:40.68	R TOD SPIEKER	USA	2003	1:14.47	RALPH SCHALLON	SUI	2009
2:24.77	SERGII FESENKO	UKR	2009	9:42.16	R SCOTT TOWNSEND	USA	2009	1:14.80	ROBERT STRAND	USA	2001
400 M. I.M.				9:43.93	JIM CLEMMONS	USA	2005	1:14.91	HIROFUMI MORIMOTO	JPN	2010
4:53.69	MARCUS MATTIOLI	BRA	2010	9:46.83	LARRY KRAUSER	USA	2008	1:15.45	TOSHIHARU FUJII	JPN	2009
5:03.27	LORENZO MARUGO	ITA	2004	9:49.03	GEORGE WATSON	USA	2002	200 M. BRST			
5:03.76	DJAN MADRUGA	BRA	2010	1500 M. FREE				2:38.66	RICK COLELLA	USA	2008
5:04.32	JAMIE FOWLER	USA	2009	17:22.61	MICHAEL MANN	USA	2009	2:41.54	TIMOTHY SHEAD	RSA	2008
5:05.82	RICK COLELLA	USA	2001	17:40.10	JIM MC CONICA	USA	2005	2:42.88	G.HOFFMANN	USA	2011
5:06.60	HUGO BREGMAN	NED	2009	18:19.49	STEVE PRESCOTT	NZL	2009	2:44.22	RALPH SCHALLON	SUI	2009
5:07.52	JIM MCCONICA	USA	2002	18:35.85	J.CHATARD	FRA	2006	2:45.87	LORENZO MARUGO	ITA	2007
5:10.32	MICHAEL MANN	USA	2006	18:42.92	MARK DRENNEN	USA	2011	2:46.31	ROBERT STRAND	USA	2001
5:10.94	MARK DRENNEN	USA	2006	18:43.42	LARRY WOOD	USA	2009	2:49.39	PETER KAUCH	GER	2011
5:11.38	SCOTT SHAKE	USA	2008	18:44.38	GEORGE KEENAN	USA	2009	2:49.48	ROBERT WEYHENKE	NED	2007
*****				18:45.20	RICK WALKER	USA	2005	2:49.50	JACK GROSELLE	USA	2010
M E N 55-59				18:51.75	JOEL KRIGER	BRA	2009	2:50.44	WILLIAM GONZALEZ	USA	1997
*****				18:55.54	M.CAFFERY	USA	2008	50 M. FLY			
50 M. FREE				50 M. BACK				26.86	GARY HALL	USA	2009
25.01	JACK GROSELLE	USA	2009	30.01	TOM BARTON	USA	2011	27.08	GREG SHAW	USA	2007
25.31	MIKE TENNANT	USA	2008	30.09	GARY HALL	USA	2009	27.43	RICHARD ABRAHAMS	USA	2002
25.53	RICHARD ABRAHAMS	USA	2002	30.75	ANDRE STEYNBERG	RSA	2011	27.49	DAVID HAGUE	USA	2009
25.59	DOUG MARTIN	USA	2009	30.78	HUGH WILDER	USA	2004	27.64	DOUG MARTIN	USA	2009
25.74	PAUL TREVISAN	USA	2006	30.79	ALISTAIR COCKBURN	USA	2008	27.78	TRIP HEDRICK	USA	2011
25.98	BARRY ROTH	USA	2009	30.83	PHILIPP DJANG	USA	2009	27.80	STEVE BOROWSKI	USA	2003
25.99	LEONARD BIELICZ	SWE	2007	31.10	KIERAN KELLEHER	ITA	2003	28.17	JOHN FIELDS	USA	2011
26.04	TERRY DOWNES	RSA	2004	31.21	WES EDWARDS	USA	2008	28.22	KEEFE LODWIG	USA	1998
26.11	STEVE BOROWSKI	USA	2002	31.22	RICHARD BOBER	USA	2006	28.24	LEONARD BIELICZ	SWE	2007
26.14	MICHAEL MANN	USA	2009	31.52	ROBERT SMITH	USA	1998	100 M. FLY			
100 M. FREE				100 M. BACK				1:01.05	GREG SHAW	USA	2006
56.08	JACK GROSELLE	USA	2009	1:05.46	TOM BARTON	USA	2011	1:01.83	BRAD HORNER	USA	2009
57.08	MICHAEL MANN	USA	2009	1:06.14	GARY HALL	USA	2009	1:03.24	LEONARD BIELICZ	SWE	2006
57.60	BRAD HORNER	USA	2009	1:07.29	TIMOTHY SHEAD	RSA	2008	1:03.90	RICHARD ABRAHAMS	USA	2000
57.83	CHARLES LEMAISTRE	USA	2009	1:07.81	HUGH WILDER	USA	2002	1:03.95	SCOTT LAUTMAN	USA	2008
57.85	ALEXANDER MILLS	NOR	2006	1:08.20	WES EDWARDS	USA	2008	1:04.15	STEVE BOROWSKI	USA	2003
58.07	PAUL TREVISAN	USA	2006	1:08.21	PHILIPP DJANG	USA	2009	1:04.19	JOHN MARCH	AUS	2008
58.15	DOUG MARTIN	USA	2009	1:08.55	RICHARD BOBER	USA	2006	1:04.50	JEAN-MARIE CADIAT	BEL	2009
58.18	MIKE TENNANT	USA	2008	1:09.23	ANDRE STEYNBERG	RSA	2011	1:04.62	PETER NOCKE	GER	2010
58.23	RICHARD ABRAHAMS	USA	2002	1:09.24	JOHN MARCH	AUS	2008	1:04.62	KEVIN MCCORMACK	USA	2009
58.41	TIMOTHY GARTON	USA	1998	1:09.27	TIM BIRNIE	USA	2000	200 M. FLY			
200 M. FREE				200 M. BACK				2:18.97	BRAD HORNER	USA	2009
2:04.01	MICHAEL MANN	USA	2009	2:23.84	TOM BARTON	USA	2011	2:25.35	GREG SHAW	USA	2006
				2:25.89	JIM MC CONICA	USA	2005	2:26.37	SCOTT LAUTMAN	USA	2008



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2:27.22	JOHN MARCH	AUS	2008	4:40.52	JIM MC CONICA	USA	2010	34.25	C.STARZEC	FRA	2011
2:28.62	JIM MC CONICA	USA	2006	4:48.25	GRAHAM CROFT	AUS	2008	34.28	TOSHIHARU FUJII	JPN	2010
2:31.29	PATRICK BERGER	FRA	2009	4:49.83	GEORGE WENDT	USA	2008	34.35	DIETER HOEFEL	GER	2009
2:31.58	JOHN CRAIG	USA	2009	4:51.23	DUNCAN MCCREADIE	GBR	2005	34.36	ROBERT WRIGHT	USA	2011
2:32.29	TAKEO HIRAMOTO	JPN	2005	4:52.10	RICK WALKER	USA	2010	34.42	PETER ANDERSEN	USA	2003
2:33.32	ROBERT POILETMAN	USA	2002	4:54.79	CHRIS DUNN	GBR	2006	34.59	AKIO SUGIYAMA	JPN	1995
2:34.90	PETER GILMOUR	AUS	1997	4:55.64	FRANK MCELROY	USA	2009	34.68	HIROSHI KOTEGAWA	JPN	1995
200 M. I.M.				4:57.03	SANDY GALLETTY	GBR	2002	34.70	JOZEF KLUKOWSKI	POL	2006
2:20.83	MICHAEL MANN	USA	2009	4:58.14	JIM CLEMMONS	USA	2010	34.71	KENNETH FROST	USA	2008
2:24.12	RICK COLELLA	USA	2008	4:58.33	STEVE JOHNSON	USA	2008	100 M. BRST			
2:24.16	TIMOTHY SHEAD	RSA	2008	800 M. FREE				1:15.42	ROBERT STRAND	USA	2008
2:27.60	GREG SHAW	USA	2006	9:55.28	JIM MC CONICA	USA	2011	1:16.53	TOSHIHARU FUJII	JPN	2010
2:27.92	ALEXANDER MILLS	NOR	2006	10:02.40	DUNCAN MCCREADIE	GBR	2005	1:16.83	ALLEN STARK	USA	2009
2:28.12	JACK GROSELLE	USA	2009	10:06.75	SANDY GALLETTY	GBR	2002	1:17.27	ROBERT WRIGHT	USA	2010
2:29.02	JIM MCCONICA	USA	2005	10:06.76	RICK WALKER	USA	2010	1:17.50	KENNETH FROST	USA	2007
2:29.37	ROBERT WEYHENKE	NED	2007	10:06.94	GRAHAM CROFT	AUS	2008	1:18.28	ALBERT KOSTITSYN	FIN	2002
2:30.21	G.HOFFMANN	USA	2011	10:09.12	JOHN CALVERT	USA	2006	1:18.30	GERSHON SHEFA	ISR	2007
2:30.33	JOHN CALVERT	USA	2000	10:12.12	BEN VAN DYKE	NZL	2010	1:18.63	PETER ANDERSEN	USA	2003
400 M. I.M.				10:13.59	JIM CLEMMONS	USA	2010	1:18.69	RICK WALKER	USA	2010
5:04.07	MICHAEL MANN	USA	2009	10:15.35	STEVE JOHNSON	USA	2008	1:18.82	C.STARZEC	FRA	2011
5:17.10	JIM MC CONICA	USA	2005	10:16.84	JAMES MCCLEERY	USA	2006	200 M. BRST			
5:26.63	JOHN CALVERT	USA	2000	1500 M. FREE				2:50.44	ALLEN STARK	USA	2011
5:27.57	RONALD ARMSTRONG	CAN	2006	18:12.09	JIM MC CONICA	USA	2010	2:50.77	ROBERT STRAND	USA	2008
5:28.27	JACK GROSELLE	USA	2009	19:07.93	GEORGE WENDT	USA	2008	2:51.07	ROBERT WRIGHT	USA	2011
5:30.36	JIM CLEMMONS	USA	2009	19:16.50	BEN VAN DYKE	NZL	2010	2:52.51	TOSHIHARU FUJII	JPN	2010
5:30.66	MARK DRENNEN	USA	2011	19:25.68	SANDY GALLETTY	GBR	2002	2:53.17	JIM CLEMMONS	USA	2010
5:32.45	CELSE JUGEND	BRA	2009	19:26.67	DUNCAN MCCREADIE	GBR	2005	2:55.26	GERSHON SHEFA	ISR	2004
5:32.64	ALEX SHESTAKOV	USA	2006	19:40.20	VITTORIO ERMIRIO	ITA	2002	2:55.49	KENNETH FROST	USA	2006
5:32.83	V.SCIANNAMEA	ITA	2011	19:50.21	D.UIJTENBOGAART	NED	2009	2:55.81	GEORGE WENDT	USA	2008
*****				19:50.81	RICK WALKER	USA	2011	2:56.36	RICK WALKER	USA	2010
M E N 60-64				19:53.86	STEVE JOHNSON	USA	2008	2:57.18	LAWRENCE DAY	USA	2011
*****				19:58.27	FRANK MCELROY	USA	2009	50 M. FLY			
50 M. FREE				50 M. BACK				27.92	RICHARD ABRAHAMS	USA	2005
25.23	RICHARD ABRAHAMS	USA	2006	31.46	HUGH WILDER	USA	2007	28.55	DINO BERNARDI	ITA	2008
25.85	VINCENZO DE SIO	ITA	2008	31.77	MARC MIDDLETON	USA	2011	28.79	JOEL BURNS	USA	2007
26.70	JEFF FARRELL	USA	1998	32.11	RICHARD BURNS	USA	2003	28.83	LAWRENCE DAY	USA	2011
26.94	JAMES ELDER	USA	2006	32.55	STEVEN HECK	USA	2009	28.87	MARC MIDDLETON	USA	2011
27.02	LEONARD BIELICZ	SWE	2011	32.58	YURY CHIRKOV	RUS	2009	28.97	JIM DRAGON	USA	2006
27.02	JAMES DE LACY	USA	2006	32.66	PETER O'BRIEN	CAN	2009	29.22	JOSEF CLARET	ESP	2004
27.06	MARC MIDDLETON	USA	2011	32.66	TIM BIRNIE	USA	2006	29.23	KEEFE LODWIG	USA	2003
27.07	TATE HOLT	USA	2011	32.73	TAKEO HIRAMOTO	JPN	2010	29.35	JAMES DE LACY	USA	2006
27.13	FUMIO SHIGENO	JPN	2009	32.76	J.LESTIDEAU	FRA	2006	29.38	TAKEO HIRAMOTO	JPN	2010
27.31	PAUL TREVISAN	USA	2011	32.87	JOSE LORO	BRA	2009	100 M. FLY			
100 M. FREE				100 M. BACK				1:03.03	RICHARD ABRAHAMS	USA	2005
58.61	RICHARD ABRAHAMS	USA	2005	1:08.77	HUGH WILDER	USA	2007	1:03.98	FRED SCHLICHER	USA	2008
59.66	JAMES DE LACY	USA	2006	1:11.89	RICHARD BURNS	USA	2006	1:05.82	LAWRENCE DAY	USA	2011
1:00.11	JEFF FARRELL	USA	1998	1:11.94	PETER O'BRIEN	CAN	2009	1:06.63	ROBERT POILETMAN	USA	2003
1:00.27	DAVID QUIGGIN	USA	2004	1:12.25	YURY CHIRKOV	RUS	2009	1:06.65	JOEL BURNS	USA	2009
1:00.71	TERRY DOWNES	RSA	2009	1:12.62	JOZSEF CSIKANY	HUN	2006	1:07.98	SHIGEO ASANO	JPN	2008
1:01.02	GRAHAM CROFT	AUS	2008	1:12.90	TIM BIRNIE	USA	2006	1:08.04	JEAN LESTIDEAU	FRA	2007
1:01.03	GERHARD SCHILLER	GER	2009	1:13.12	STEVEN HECK	USA	2010	1:08.08	TAKEO HIRAMOTO	JPN	2010
1:01.23	TIM BRODERICK	USA	2011	1:13.17	JIM MC CONICA	USA	2011	1:08.42	JOSEF CLARET	ESP	2005
1:01.25	KEEFE LODWIG	USA	2003	1:14.23	J.LESTIDEAU	FRA	2006	1:09.09	BEN VAN DYKE	NZL	2010
1:01.54	TATE HOLT	USA	2011	1:14.33	GREG THARP	USA	2011	200 M. FLY			
200 M. FREE				200 M. BACK				2:29.05	LAWRENCE DAY	USA	2011
2:12.57	JIM MC CONICA	USA	2010	2:34.38	JIM MC CONICA	USA	2010	2:31.58	FRED SCHLICHER	USA	2008
2:12.69	FRED SCHLICHER	USA	2008	2:37.20	STEVEN HECK	USA	2009	2:33.72	ROBERT POILETMAN	USA	2003
2:13.32	JAMES DE LACY	USA	2006	2:39.01	JOHN CALVERT	USA	2006	2:40.12	JEAN LESTIDEAU	FRA	2008
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	2:47.56	GABOR CSABA	HUN	2007
2:18.39	LONNY HARRISON	USA	2008	2:41.51	EDWARD CAZALET	USA	2003	2:47.94	DOUGLAS MILLER	USA	2007
2:18.52	RICHARD ABRAHAMS	USA	2006	2:41.60	HUGH WILDER	USA	2007	2:48.09	ALAN BELL	USA	2010
2:18.60	JOHN CALVERT	USA	2006	2:41.87	TIM BIRNIE	USA	2006	200 M. I.M.			
400 M. FREE				50 M. BRST				2:30.72	FRED SCHLICHER	USA	2008
				33.41	ROBERT STRAND	USA	2008	2:32.63	TIM BRODERICK	USA	2011



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2:32.65	LAWRENCE DAY	USA	2011	800 M. FREE		1:18.11	KENNETH FROST	USA	2009		
2:34.86	STEVEN HECK	USA	2009	10:25.94	TOM LANDIS	USA	2007	1:19.89	DAVID GILDEA	USA	2009
2:36.07	JOHN CALVERT	USA	2006	10:26.60	FABRIZIO MOMONI	ITA	2003	1:21.25	OSAMU MAEDA	JPN	2009
2:36.60	JIM CLEMMONS	USA	2010	10:29.26	GRAHAM JOHNSTON	USA	1997	1:21.75	GERSHON SHEFA	ISR	2008
2:38.89	JEAN LESTIDEAU	FRA	2008	10:47.16	CHRIS DUNN	GBR	2011	1:22.37	DIETER HOFEL	GER	2010
2:39.65	LONNY HARRISON	USA	2008	10:50.84	DAVID HARRISON	USA	2002	1:22.82	RICHARD TODD	USA	2008
2:40.00	DUNCAN MCCREADIE	GBR	2005	10:50.86	DON DAVIS	USA	2009	1:22.86	SEIKO OKAZAKI	JPN	2011
2:40.63	ROBERT STRAND	USA	2006	10:51.42	CARLOS CANEPA	PER	2008	1:22.89	ALBERT KOSTITSYN	FIN	2007
400 M. I.M.				10:51.93	VICTOR PAUL	AUS	2009	1:23.09	ANTONIO ORSELLI	BRA	2009
5:28.25	LAWRENCE DAY	USA	2011	10:56.12	JOACHIM HINTZE	GER	2008	1:23.78	DAVE NOBLE	USA	2009
5:30.99	FRED SCHLICHER	USA	2008	10:56.58	DUNCAN MCCREADIE	FRA	2010	200 M. BRST			
5:37.64	JIM CLEMMONS	USA	2010	1500 M. FREE				2:59.54	KENNETH FROST	USA	2009
5:40.42	J.LESTIDEAU	FRA	2007	20:00.97	TOM LANDIS	USA	2008	2:59.66	ROBERT STRAND	USA	2011
5:41.07	JOHN CALVERT	USA	2006	20:08.74	FABRIZIO MOMONI	ITA	2004	2:59.99	GERSHON SHEFA	ISR	2008
5:43.77	GEORGE WENDT	USA	2008	20:16.54	GRAHAM JOHNSTON	USA	1996	3:02.13	MICHAEL MOLONEY	AUS	2004
5:46.05	DUNCAN MCCREADIE	FRA	2005	20:27.72	VICTOR PAUL	AUS	2009	3:02.85	RICHARD TODD	USA	2008
5:46.59	GIAMPIERO FOSSATI	ITA	2004	20:58.00	JOACHIM HINTZE	GER	2008	3:04.10	YOSHIAKI AOKI	JPN	2005
5:47.21	GERSHON SHEFA	ISR	2006	21:00.77	DAVID HARRISON	USA	2003	3:04.40	NORIAKI TSUJI	JPN	2011
5:48.77	FRANK MCELROY	USA	2009	21:12.01	RAYMOND STOKES	GBR	2004	3:06.08	THOMAS WALKER	GBR	2002
				21:12.67	DON DAVIS	USA	2009	3:06.44	DAVID GILDEA	USA	2009
*****				21:17.75	DAVID QUIGGIN	USA	2009	3:07.92	MIKE FRESHLEY	USA	2006
M E N 65-69				21:26.39	J.LESTIDEAU	FRA	2011	50 M. FLY			
*****				50 M. BACK				28.54	JOSEP CLARET	ESP	2009
50 M. FREE				32.19	RICHARD BURNS	USA	2009	28.68	KEEFE LODWIG	USA	2008
26.33	RICHARD ABRAHAMS	USA	2010	33.50	BERND HORSTMANN	GER	2008	28.69	JIM DRAGON	USA	2009
27.15	JEFF FARRELL	USA	2002	33.54	YOSHI OYAKAWA	USA	1999	29.25	RICHARD ABRAHAMS	USA	2010
27.31	VINUS VAN BAALEN	USA	2007	33.58	VINUS VAN BAALEN	USA	2007	30.13	ROBERT OLSON	USA	2009
27.37	KEEFE LODWIG	USA	2008	33.72	JOZSEF CSIKANY	HUN	2008	30.23	BORIS RUZHITSKY	RUS	2009
27.50	IAN SMITH	CAN	2009	33.87	ROBERT SMITH	USA	2008	30.33	TOMOYASU IIDA	JPN	2006
27.60	DAVID QUIGGIN	USA	2009	34.07	LUIZ FIGUEIREDO	BRA	2007	30.51	DAVID QUIGGIN	USA	2009
27.63	JAMES ELDER	USA	2008	34.17	J.LESTIDEAU	FRA	2011	30.53	BERND SCHRODER	GER	2009
27.65	ROBERT SMITH	USA	2008	34.38	ALEXANDER KRYUKOV	RUS	2009	30.68	IAN SMITH	CAN	2009
27.85	JIM DRAGON	USA	2009	34.69	FRANS VAN ENST	NED	2005	100 M. FLY			
27.93	ROBERT OLSON	USA	2009	100 M. BACK				1:07.34	RICHARD ABRAHAMS	USA	2010
100 M. FREE				1:11.32	RICHARD BURNS	USA	2009	1:07.78	JOSEP CLARET	ESP	2009
1:00.38	RICHARD ABRAHAMS	USA	2010	1:13.82	BERND HORSTMANN	GER	2009	1:09.60	ROBERT POILETMAN	USA	2009
1:01.05	DAVID QUIGGIN	USA	2009	1:14.96	JOZSEF CSIKANY	HUN	2009	1:10.22	BORIS RUZHITSKIY	RUS	2009
1:01.30	KEEFE LODWIG	USA	2009	1:15.69	LUIZ FIGUEIREDO	BRA	2006	1:10.80	DEREK PARR	GBR	2009
1:02.62	TOM LANDIS	USA	2008	1:16.78	YOSHI OYAKAWA	USA	1999	1:12.78	BARRY YOUNG	NZL	2004
1:02.79	JEFF FARRELL	USA	2002	1:17.23	BARRY YOUNG	NZL	2006	1:12.93	TOMOYASU IIDA	JPN	2006
1:02.81	IAN SMITH	CAN	2009	1:17.36	MIKLOS KOVATS	HUN	2005	1:13.11	BERND SCHRODER	GER	2009
1:02.84	JAMES ELDER	USA	2008	1:17.47	ALEXANDER KRYUKOV	RUS	2009	1:13.19	AKIRA TAKAKURA	JPN	2006
1:02.93	CAV CAVANAUGH	USA	2001	1:17.50	ROBERT SMITH	USA	2008	1:13.54	RICHARD BURNS	USA	2008
1:03.01	RICHARD BURNS	USA	2008	1:18.03	DONALD MCINTOSH	USA	2008	200 M. FLY			
1:03.39	ROBERTO ALBERICHE	ESP	1996	200 M. BACK				2:47.60	DEREK PARR	GBR	2009
200 M. FREE				2:40.95	BERND HORSTMANN	GER	2008	2:50.18	ROBERT POILETMAN	USA	2009
2:18.53	TOM LANDIS	USA	2008	2:41.76	RICHARD BURNS	USA	2009	2:51.07	BARRY YOUNG	NZL	2004
2:20.37	DAVID QUIGGIN	USA	2009	2:42.96	JOZSEF CSIKANY	HUN	2008	2:54.46	RUDOLF SMERDA	CZE	2008
2:21.74	ROBERTO ALBERICHE	ESP	1996	2:50.44	MIKLOS KOVATS	HUN	2005	2:56.00	GUNTER SCHOPKE	GER	2005
2:22.18	GRAHAM JOHNSTON	USA	1996	2:51.11	RICHARD TODD	USA	2007	2:56.08	JOACHIM HINTZE	GER	2008
2:22.26	KEEFE LODWIG	USA	2009	2:51.19	S.SEKIKAWA	JPN	1998	2:56.45	J.LESTIDEAU	FRA	2011
2:22.51	RICHARD BURNS	USA	2009	2:52.34	MICHAEL MCCOLLY	USA	2010	2:57.05	RICHARD KITCHELL	USA	2005
2:22.90	JEFF FARRELL	USA	2002	2:52.34	LUIZ FIGUEIREDO	BRA	2006	2:59.66	VICTOR PAUL	AUS	2009
2:23.84	CAV CAVANAUGH	USA	2001	2:53.42	BOB BARRY	AUS	1996	3:01.41	CARLOS CANEPA	PER	2008
2:24.19	RUDOLF SMERDA	CZE	2008	2:54.10	TEGZE HARASZTI	USA	2006	200 M. I.M.			
2:24.45	FABRIZIO MOMONI	ITA	2003	50 M. BRST				2:43.37	RICHARD BURNS	USA	2009
400 M. FREE				34.61	OSAMU MAEDA	JPN	2009	2:44.44	GERSHON SHEFA	ISR	2008
5:00.26	TOM LANDIS	USA	2007	35.00	KENNETH FROST	USA	2009	2:45.17	BARRY YOUNG	NZL	2004
5:01.81	FABRIZIO MOMONI	ITA	2003	35.30	JIM DRAGON	USA	2009	2:45.64	J.LESTIDEAU	FRA	2011
5:03.36	GRAHAM JOHNSTON	USA	1996	35.56	YOSHIHIKO OSAKI	JPN	2004	2:45.64	BERND HORSTMANN	GER	2009
5:03.77	CHRIS DUNN	GBR	2011	35.60	PETER ANDERSEN	USA	2009	2:48.63	TOM LANDIS	USA	2007
5:06.57	DAVID QUIGGIN	USA	2009	35.91	DAVID GILDEA	USA	2009	2:49.61	KOJI IWAMOTO	JPN	2009
5:07.62	ROBERTO ALBERICHE	ESP	1996	36.20	YOSHITADA MAEDA	JPN	2011	2:49.71	ROBERTO ALBERICHE	ESP	1996
5:08.44	DON DAVIS	USA	2009	36.25	DIETER HOEFEL	GER	2010	2:50.11	KENNETH FROST	USA	2009
5:13.29	CARLOS CANEPA	PER	2008	36.30	RICHARD TODD	USA	2008	2:50.18	RONALD JOHNSON	USA	1998
5:14.60	DONALD MCINTOSH	USA	2008	36.35	HIROSHI KOTEGAWA	JPN	2001	400 M. I.M.			
5:14.60	RUDOLF SMERDA	CZE	2008	100 M. BRST				5:52.79	BARRY YOUNG	NZL	2004



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5:55.49	GERSHON SHEFA	ISR	2008	11:46.02	NIC GEERS	NED	2008	200 M. BRST			
6:03.31	TOM LANDIS	USA	2007	1500 M. FREE				3:04.79	MICHAEL MOLONEY	AUS	2009
6:05.15	ROBERTO ALBERICHE	ESP	1996	20:36.56	GRAHAM JOHNSTON	USA	2001	3:07.50	KARL WIEDAMANN	USA	2008
6:08.44	GRAHAM JOHNSTON	USA	1996	21:07.50	DAVID RADCLIFF	USA	2008	3:09.27	TONY GOODWIN	AUS	2008
6:11.64	RICHARD BURNS	USA	2009	21:49.74	WERNER SCHNABEL	GER	2006	3:11.67	CLAUDIO NEGRI	ITA	2006
6:11.78	MIKE FRESHLEY	USA	2006	21:53.77	BURWELL JONES	USA	2005	3:12.61	HANS REICHELT	GER	2008
6:11.88	J.LESTIDEAU	FRA	2011	22:01.12	JOHN CRISP	AUS	2005	3:14.76	THOMAS WALKER	GBR	2006
6:14.16	VICTOR PAUL	AUS	2011	22:03.95	MASATO YOSHINO	JPN	2010	3:15.70	YOSHIAKI AOKI	JPN	2008
6:17.66	MASAO KIJIMA	JPN	2009	22:06.67	YASUSHI YAMAGUCHI	JPN	2009	3:17.09	MASARU SHINKAI	JPN	2011
*****				22:39.01	BARRY YOUNG	NZL	2009	3:17.21	MORIAKI SUGIURA	JPN	2009
*****				22:44.64	ERNIE LESKOVITZ	USA	2006	3:17.67	MIKE FRESHLEY	USA	2011
*****				22:47.77	GEORGE BRUNSTAD	USA	2004	50 M. FLY			
*****				50 M. BACK				31.49	HIROSHI MATSUMOTO	JPN	2007
*****				35.31	YOSHI OYAKAWA	USA	2003	31.95	Y.FUNAHASHI	JPN	2010
50 M. FREE				35.83	S.SEKIKAWA	JPN	2003	32.11	RONALD JOHNSON	USA	2001
28.35	IAN SMITH	CAN	2011	36.23	MIKLOS KOVATS	HUN	2010	32.36	BERT PETERSEN	USA	2008
28.46	WOLFRAM GOTTFRIED	GER	2004	36.49	FRANS VAN ENST	NED	2011	32.90	BOB BAILIE	USA	2005
28.53	JEFF FARRELL	USA	2007	36.60	HELMUT RICHTER	GER	2009	32.95	IAN SMITH	CAN	2011
28.65	CAV CAVANAUGH	USA	2005	36.77	BARRY YOUNG	NZL	2009	33.18	RYUJI TAKAMINE	JPN	2011
28.66	RONALD JOHNSON	USA	2001	37.10	PAUL HUTINGER	USA	1995	33.36	TSUTOMU EBIHARA	JPN	2010
28.85	PETER BERGENGREN	SWE	2008	37.12	KEIJIRO NAKAMURA	JPN	1995	33.49	TAISUKE MIYAZAKI	JPN	2009
28.94	B.SCHLURIKE	GER	1991	37.13	BURWELL JONES	USA	2003	33.49	HELMUT RICHTER	GER	2009
29.32	HELMUT RICHTER	GER	2009	37.15	RYUJI TAKAMINE	JPN	2011	100 M. FLY			
29.43	DONALD HILL	USA	2002	100 M. BACK				1:16.18	BARRY YOUNG	NZL	2009
29.44	H.TAKAHASHI	JPN	2007	1:15.24	BARRY YOUNG	NZL	2009	1:19.44	WOLFRAM GOTTFRIED	GER	2002
100 M. FREE				1:19.12	YOSHI OYAKAWA	USA	2004	1:20.45	GUNTER SCHOPKE	GER	2010
1:05.40	CAV CAVANAUGH	USA	2005	1:19.14	BURWELL JONES	USA	2003	1:20.52	RICHARD KITCHELL	USA	2010
1:05.81	WOLFRAM GOTTFRIED	GER	2002	1:20.74	MIKLOS KOVATS	HUN	2010	1:20.61	TAISUKE MIYAZAKI	JPN	2009
1:06.18	RONALD JOHNSON	USA	2001	1:20.93	S.SEKIKAWA	JPN	2003	1:21.37	SHUGEYUKI HASEGAW	JPN	2011
1:06.27	IAN SMITH	CAN	2011	1:22.13	MARTY MENNEN	USA	2009	1:21.56	WILLIAM LETCH	GBR	2010
1:06.47	DAVID RADCLIFF	USA	2005	1:22.30	T.HASHIMOTO	JPN	2010	1:21.64	RONALD JOHNSON	USA	2001
1:06.62	MASATO YOSHINO	JPN	2009	1:22.40	KARL DONOGHUE	CAN	2010	1:22.45	TAKASHI HAYASHI	JPN	2005
1:07.36	GRAHAM JOHNSTON	USA	2001	1:22.79	FRANS VAN ENST	NED	2010	1:22.55	WERNER MULLER	GER	2003
1:07.73	JEFF FARRELL	USA	2009	1:23.83	MAMPEI SEINO	JPN	2002	200 M. FLY			
1:07.82	HELMUT RICHTER	GER	2009	200 M. BACK				2:53.26	BARRY YOUNG	NZL	2009
1:08.27	CHUCK BALDWIN	USA	2000	2:48.10	BARRY YOUNG	NZL	2009	3:04.35	GUNTER SCHOPKE	GER	2010
200 M. FREE				2:55.19	BURWELL JONES	USA	2005	3:08.06	TAISUKE MIYAZAKI	JPN	2009
2:26.20	DAVID RADCLIFF	USA	2008	2:58.62	S.SEKIKAWA	JPN	2003	3:10.53	RICHARD KITCHELL	USA	2010
2:28.37	CAV CAVANAUGH	USA	2005	2:58.88	MARTY MENNEN	USA	2006	3:13.74	CLAUDIO NEGRI	ITA	2008
2:29.45	GRAHAM JOHNSTON	USA	2001	2:59.52	MIKLOS KOVATS	HUN	2010	3:14.18	DAVID MCLACHLAN	RSA	2008
2:30.11	KARL-LUDWIG REHN	GER	2010	3:01.03	KARL DONOGHUE	CAN	2010	3:16.06	WERNER MULLER	GER	2003
2:31.76	MASATO YOSHINO	JPN	2010	3:01.26	YOSHI OYAKAWA	USA	2003	3:16.12	WILLIAM LETCH	GBR	2010
2:32.48	DAVID HARRISON	USA	2007	3:02.74	FRANS VAN ENST	NED	2010	3:16.61	TAKASHI HAYASHI	JPN	2004
2:32.49	JOHN CRISP	AUS	2005	3:04.17	MAMPEI SEINO	JPN	2003	3:20.43	DAVE MCLACHLAN	RSA	2009
2:32.94	WERNER SCHNABEL	GER	2006	3:04.30	BOB BARRY	AUS	2002	200 M. I.M.			
2:33.16	BURWELL JONES	USA	2005	50 M. BRST				2:44.36	BARRY YOUNG	NZL	2009
2:34.60	NIC GEERS	NED	2008	37.23	YOSHIHIKO OSAKI	JPN	2009	2:58.06	BURWELL JONES	USA	2003
400 M. FREE				37.47	KARL WIEDAMANN	USA	2008	2:58.81	JACK KELSO	CAN	2010
5:12.05	GRAHAM JOHNSTON	USA	2001	37.93	AKIO SUGIYAMA	JPN	2004	2:59.90	RONALD JOHNSON	USA	2001
5:17.20	DAVID RADCLIFF	USA	2008	37.96	CHARLES BALDWIN	USA	2000	3:00.31	MASAO KIJIMA	JPN	2011
5:24.85	JOHN CRISP	AUS	2006	37.98	JOHN KORTHEUER	USA	2001	3:01.09	IKURO SHIMONO	JPN	2009
5:25.70	WERNER SCHNABEL	GER	2006	38.12	JURGEN ZIMMERMANN	GER	2009	3:01.56	GRAHAM JOHNSTON	USA	2002
5:28.64	BURWELL JONES	USA	2005	38.23	TONY GOODWIN	AUS	2009	3:01.60	JOHN CRISP	AUS	2005
5:29.04	BARRY YOUNG	NZL	2009	38.28	JACK KELSO	CAN	2010	3:02.93	MIKE FRESHLEY	USA	2011
5:29.24	CAV CAVANAUGH	USA	2005	38.28	HIROFUMI HOSOTANI	JPN	2005	3:03.87	EWALD BASTEK	POL	2009
5:29.63	MASATO YOSHINO	JPN	2010	38.29	MANUEL SANGUILY	USA	2003	400 M. I.M.			
5:31.53	DAVID HARRISON	USA	2007	100 M. BRST				5:57.81	BARRY YOUNG	NZL	2009
5:33.24	NIC GEERS	NED	2008	1:24.71	KARL WIEDAMANN	USA	2008	6:32.11	BURWELL JONES	USA	2003
800 M. FREE				1:25.53	TONY GOODWIN	AUS	2007	6:32.30	MASAO KIJIMA	JPN	2011
10:45.92	GRAHAM JOHNSTON	USA	2002	1:26.25	BARRY YOUNG	NZL	2009	6:34.43	GRAHAM JOHNSTON	USA	2001
10:49.02	DAVID RADCLIFF	USA	2006	1:26.41	TETSUO NAKAMARU	JPN	2005	6:41.36	IKURO SHIMONO	JPN	2009
11:19.41	JOHN CRISP	AUS	2005	1:26.70	THOMAS WALKER	GBR	2005	6:47.14	MIKE FRESHLEY	USA	2011
11:19.55	BURWELL JONES	USA	2005	1:26.78	MICHAEL MOLONEY	AUS	2009	6:47.83	JOHN CRISP	AUS	2005
11:25.71	ERNIE LESKOVITZ	USA	2006	1:26.90	HANS REICHELT	GER	2007	6:48.47	DAVID MCLACHLAN	RSA	2008
11:33.11	WERNER SCHNABEL	GER	2006	1:27.33	MASARU SHINKAI	JPN	2010	6:49.92	JOAQUIN CANALES	ESP	2011
11:34.12	MASATO YOSHINO	JPN	2009	1:27.70	CLAUDIO NEGRI	ITA	2006	6:51.60	CHRISTIAN THIESS	AUS	2008
11:35.33	DAVID HARRISON	USA	2007	1:27.73	JURGEN ZIMMERMANN	GER	2009				
11:44.46	YASUSHI YAMAGUCHI	JPN	2009								



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*****			24:34.77	ROGER FRANKS	USA 2002	3:33.08	KARL HAUTER	GER 2000
M E N 75-79			24:47.51	GERHARD HOLE	GER 2010	3:34.60	CLAUDIO NEGRI	ITA 2011
*****			24:49.56	FRANK PIEMME	USA 2000	3:34.86	AUGUSTO ROMANO	ITA 1994
50	M. FREE		50	M. BACK		50	M. FLY	
30.28	DAVID RADCLIFF	USA 2009	36.14	YOSHI OYAKAWA	USA 2008	32.83	HIROSHI MATSUMOTO	JPN 2011
30.63	SHINGO YAMAMOTO	JPN 2008	36.38	S.SEKIKAWA	JPN 2008	35.66	FRANK PIEMME	USA 2000
30.78	HIROSHI MATSUMOTO	JPN 2011	36.90	BURWELL JONES	USA 2010	35.68	JEAN LE DALL	FRA 2008
30.82	DONALD HILL	USA 2009	37.51	KEIJIRO NAKAMURA	JPN 1998	35.95	TAKASHI HAYASHI	JPN 2008
31.14	ALDO EMINENTE	FRA 2006	38.08	CLARKE MITCHELL	USA 2007	36.01	CLARKE MITCHELL	USA 2007
31.19	FRANK PIEMME	USA 2000	39.24	PAUL HUTINGER	USA 2000	36.04	GENICHI IGARASHI	JPN 2011
31.35	CLARKE MITCHELL	USA 2009	39.48	MAMPEI SEINO	JPN 2007	36.06	ASHLEY JONES	USA 2006
31.38	YOSHI OYAKAWA	USA 2008	39.49	MARTY MENNEN	USA 2011	36.52	MASAYASU KAMIYA	JPN 2009
31.42	ANDERS SODERQVIST	SWE 2008	39.49	RAY TAFT	USA 1994	36.73	WERNER MULLER	GER 2008
31.45	H.TAKAHASHI	JPN 2011	39.61	CHARLES BALDWIN	USA 2005	36.98	BOB BAILIE	USA 2010
31.45	WOLFRAM GOTTFRIED	GER 2007	100	M. BACK		100	M. FLY	
100	M. FREE		1:20.98	BURWELL JONES	USA 2009	1:26.04	TAKASHI HAYASHI	JPN 2008
1:06.63	DAVID RADCLIFF	USA 2009	1:21.52	YOSHI OYAKAWA	USA 2008	1:28.30	GIULIO DIVANO	ITA 2009
1:10.02	SHINGO YAMAMOTO	JPN 2008	1:22.05	S.SEKIKAWA	JPN 2009	1:28.72	WERNER MULLER	GER 2008
1:10.38	GRAHAM JOHNSTON	USA 2006	1:26.00	CLARKE MITCHELL	USA 2007	1:29.16	GENICHI IGARASHI	JPN 2011
1:11.29	HIROSHI MATSUMOTO	JPN 2011	1:26.00	KEIJIRO NAKAMURA	JPN 1998	1:31.89	BURWELL JONES	USA 2010
1:11.83	BURWELL JONES	USA 2008	1:26.55	MARTY MENNEN	USA 2011	1:32.84	WILLIAM LAUER	USA 2011
1:12.78	WERNER SCHNABEL	GER 2011	1:27.24	MAMPEI SEINO	JPN 2007	1:35.24	MASAYASU KAMIYA	JPN 2007
1:13.18	H.TAKAHASHI	JPN 2011	1:29.41	GERHARD HOLE	GER 2010	1:35.81	FRANK PIEMME	USA 2000
1:13.30	CAV CAVANAUGH	USA 2011	1:29.47	ROGER FRANKS	USA 2002	1:36.38	MASARU IGARASHI	JPN 2010
1:13.84	RAYMOND TAFT	USA 1995	1:29.52	RAYMOND TAFT	USA 1995	1:37.03	ROBERT PFERSDORFF	GER 1999
1:14.00	SHOICHI SHIDA	JPN 2001	200	M. BACK		200	M. FLY	
200	M. FREE		2:57.72	BURWELL JONES	USA 2010	3:26.28	TAKASHI HAYASHI	JPN 2008
2:25.66	DAVID RADCLIFF	USA 2009	3:04.07	S.SEKIKAWA	JPN 2010	3:31.90	WERNER MULLER	GER 2009
2:35.32	BURWELL JONES	USA 2009	3:07.08	MARTY MENNEN	USA 2011	3:33.34	GIULIO DIVANO	ITA 2010
2:36.30	GRAHAM JOHNSTON	USA 2006	3:10.25	ROGER FRANKS	USA 2002	3:34.30	MAURICE LUSTEN	FRA 2001
2:41.58	WERNER SCHNABEL	GER 2011	3:10.64	KEIJIRO NAKAMURA	JPN 1998	3:35.90	KARL HAUTER	GER 2001
2:43.81	IGOR BROVIN	RUS 2009	3:13.03	YOSHI OYAKAWA	USA 2008	3:41.37	ERIVALDO LIMA	BRA 2009
2:44.97	ANRI VERESHCHAGIN	RUS 2009	3:13.69	GERHARD HOLE	GER 2010	3:43.56	ANTON M. CERER	USA 1992
2:46.28	HIROSHI YOSHIMURA	JPN 2003	3:14.55	MAMPEI SEINO	JPN 2007	3:44.43	ANRI VERESHCHAGIN	RUS 2009
2:46.56	DONALD HILL	USA 2009	3:15.00	RAY TAFT	USA 1995	3:45.15	THOMAS MAINE	USA 2004
2:47.01	CAV CAVANAUGH	USA 2011	3:17.54	BOB MILLER	USA 2006	3:45.86	JAN ZIEGLER	CZE 2001
2:49.44	GERHARD HOLE	GER 2010	50	M. BRST		200	M. I.M.	
400	M. FREE		39.65	HANS REICHELT	GER 2011	3:06.58	BURWELL JONES	USA 2009
5:17.77	DAVID RADCLIFF	USA 2009	40.01	TETSUO NAKAMARU	JPN 2010	3:07.29	GERHARD HOLE	GER 2010
5:32.06	GRAHAM JOHNSTON	USA 2006	40.38	TOSHIO TAJIMA	JPN 2000	3:13.53	GRAHAM JOHNSTON	USA 2006
5:33.42	BURWELL JONES	USA 2009	40.41	DON BIDWELL	NZL 2009	3:18.35	FRANK PIEMME	USA 2000
5:39.94	JOHN CRISP	AUS 2010	40.44	JOHN MULLER	GER 2008	3:18.81	GIULIO DIVANO	ITA 2010
5:43.91	WERNER SCHNABEL	GER 2011	40.49	HIROFUMI HOSOTANI	JPN 2010	3:18.84	ANRI VERESHCHAGIN	RUS 2009
5:49.23	IGOR BROVIN	RUS 2009	40.82	JOHN KORTHEUER	USA 2006	3:18.86	JOHN CRISP	AUS 2010
5:54.36	HIROSHI YOSHIMURA	JPN 2004	41.22	E.ORLANDO	ARG 2000	3:20.61	KARL HAUTER	GER 2000
5:59.56	TOSABURO HOSOKAWA	JPN 2010	41.31	TSUTOMU KAJIHARA	JPN 2008	3:22.31	WERNER MULLER	GER 2008
6:00.35	ANRI VERESHCHAGIN	RUS 2009	41.35	PETER BELL	CAN 2010	3:22.57	TSUTOMU KAJIHARA	JPN 2008
6:00.69	GERHARD HOLE	GER 2010	41.35	PATRICK GALVIN	AUS 2008	400	M. I.M.	
800	M. FREE		100	M. BRST		6:48.48	BURWELL JONES	USA 2009
11:07.90	DAVID RADCLIFF	USA 2009	1:29.55	TETSUO NAKAMARU	JPN 2010	6:58.19	GIULIO DIVANO	ITA 2009
11:25.95	GRAHAM JOHNSTON	USA 2006	1:29.92	HANS REICHELT	GER 2011	7:08.74	GRAHAM JOHNSTON	USA 2007
11:59.76	JOHN CRISP	AUS 2010	1:31.90	TSUTOMU KAJIHARA	JPN 2008	7:14.22	ANRI VERESHCHAGIN	RUS 2009
12:04.82	IGOR BROVIN	RUS 2009	1:32.06	SHUNSAKU TAKAHIRA	JPN 2007	7:18.01	KARL HAUTER	GER 2001
12:14.79	WERNER SCHNABEL	GER 2011	1:32.46	PETER BELL	CAN 2010	7:19.30	JOSEF KREJCI	SUI 2008
12:17.40	GIULIO DIVANO	ITA 2009	1:33.29	WERNER MULLER	GER 2008	7:21.08	WERNER MULLER	GER 2008
12:29.76	GERHARD HOLE	GER 2010	1:34.93	JOHN KORTHEUER	USA 2006	7:21.75	RAYMOND TAFT	USA 1995
12:32.78	JOSEF KREJCI	SUI 2009	1:35.35	HIROFUMI HOSOTANI	JPN 2010	7:22.82	BOB BEST	USA 2007
12:33.78	HIROSHI YOSHIMURA	JPN 2006	1:35.55	ROBERT MACDONALD	USA 2004	7:25.13	WILLIAM LAUER	USA 2010
12:43.84	TOSABURO HOSOKAWA	JPN 2010	1:35.70	ROBERT PFERSDORFF	GER 1999	*****		
1500	M. FREE		200	M. BRST		M E N 80-84		
21:03.06	DAVID RADCLIFF	USA 2009	3:24.08	HANS REICHELT	GER 2011	*****		
22:48.56	JOHN CRISP	AUS 2010	3:28.51	SHUNSAKU TAKAHIRA	JPN 2007	50	M. FREE	
23:02.25	GRAHAM JOHNSTON	USA 2006	3:28.63	TSUTOMU KAJIHARA	JPN 2008	32.29	ROBERTO ALBERICHE	ESP 2011
23:34.20	HIROSHI YOSHIMURA	JPN 2005	3:30.58	PETER BELL	CAN 2010	32.73	B.SCHLURIKE	GER 2002
23:40.05	WERNER SCHNABEL	GER 2011	3:31.13	ERIVALDO LIMA	BRA 2008	33.09	FRANK PIEMME	USA 2005
23:50.80	GIULIO DIVANO	ITA 2009	3:31.23	THOMAS WALKER	GBR 2010	33.12	KEIJIRO NAKAMURA	JPN 2004
24:10.00	TOSABURO HOSOKAWA	JPN 2010	3:32.60	ROBERT MACDONALD	USA 2004			



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

33.45	SHINGO YAMAMOTO	JPN	2011	42.71	MASAKI INABA	JPN	2006	41.89	ANDREW HOLDEN	USA	1999
33.88	WOODY BOWERSOCK	USA	1993	42.96	GORO KOBAYASHI	JPN	1998	42.00	YOSHIO ISHIGURO	JPN	2011
34.03	SHOICHI SAKOMOTO	JPN	1998	43.10	DALE WEBSTER	USA	2006	42.22	Y.MIYAMOTO	JPN	1998
34.11	SADAYUKI WAKAI	JPN	2003	43.15	TOSHIJI SATO	JPN	1995	42.89	RAYMOND TAFT	USA	1999
34.23	MAX VAN GELDER	NED	2004	43.34	MAX VAN GELDER	NED	2004	100 M. FLY			
34.24	ROGER HALIMI	FRA	2004	100 M. BACK				1:29.39	GIULIO DIVANO	ITA	2011
100 M. FREE				1:26.97	KEIJIRO NAKAMURA	JPN	2003	1:45.50	THOMAS MAINE	USA	2006
1:13.12	ROBERTO ALBERICHE	ESP	2011	1:35.36	RAYMOND TAFT	USA	1999	1:45.53	JAN ZIEGLER	CZE	2006
1:16.04	GRAHAM JOHNSTON	USA	2011	1:35.42	PAUL HUTINGER	USA	2004	1:46.11	FRANK PIEMME	USA	2005
1:17.11	KEIJIRO NAKAMURA	JPN	2003	1:36.95	GORO KOBAYASHI	JPN	1998	1:47.86	KARL HAUTER	GER	2005
1:17.85	KELLEY LEMMON	PUR	1993	1:38.13	DALE WEBSTER	USA	2006	1:47.88	ANDREW HOLDEN	USA	1999
1:17.93	SHINGO YAMAMOTO	JPN	2011	1:38.34	JAN ZIEGLER	CZE	2005	1:49.38	MAX VAN GELDER	NED	2004
1:17.96	SHOICHI SHIDA	JPN	2006	1:38.34	SHOICHI SAKOMOTO	JPN	1998	1:50.89	SILVANO DANIELI	ITA	2008
1:18.77	FRANK PIEMME	USA	2005	1:39.11	TOSHIJI SATO	JPN	1996	1:52.37	ANTON CERER	USA	1996
1:18.85	ROD BAKER	AUS	2008	1:39.21	HIKOJI UEKI	JPN	1996	1:54.46	ROBERT MACDONALD	USA	2009
1:19.28	HIKOJI UEKI	JPN	1995	1:39.91	HORACE KNOWLTON	USA	2009	200 M. FLY			
1:19.57	RODNEY BAKER	AUS	2009	200 M. BACK				3:31.42	GIULIO DIVANO	ITA	2011
200 M. FREE				3:16.82	KEIJIRO NAKAMURA	JPN	2004	3:54.51	THOMAS MAINE	USA	2006
2:48.76	ROBERTO ALBERICHE	ESP	2011	3:30.76	PAUL HUTINGER	USA	2004	4:03.00	JAN ZIEGLER	CZE	2005
2:53.74	GRAHAM JOHNSTON	USA	2011	3:31.36	RAYMOND TAFT	USA	1999	4:11.09	ANTON CERER	USA	1998
2:59.28	HIROSHI YOSHIMURA	JPN	2008	3:33.41	JAN ZIEGLER	CZE	2005	4:11.48	KARL HAUTER	GER	2006
3:00.09	SHINGO YAMAMOTO	JPN	2011	3:39.22	ROGER FRANKS	USA	2007	4:19.95	GRAHAM JOHNSTON	USA	2011
3:03.45	HIKOJI UEKI	JPN	1995	3:40.07	TOSHIJI SATO	JPN	1996	4:28.71	SILVANO DANIELI	ITA	2007
3:04.08	ROD BAKER	AUS	2008	3:41.53	G.SHIMOMOTO	JPN	2006	4:29.09	HIRONARI UEDA	JPN	2002
3:04.65	FRANK PIEMME	USA	2005	3:41.96	RODNEY BAKER	AUS	2009	4:30.07	TOSHIKAZU TATEDA	JPN	2011
3:05.01	KEVIN VICKERY	AUS	2003	3:42.35	GORO KOBAYASHI	JPN	1998	4:31.05	LEE ARTH	USA	2006
3:05.78	DAVID LAWLER	AUS	2009	3:42.95	EDWARD SHEA	USA	1995	200 M. I.M.			
3:07.28	TOSHIO SHIMIZU	JPN	2007	50 M. BRST				3:20.65	GIULIO DIVANO	ITA	2011
400 M. FREE				41.68	TOSHIO TAJIMA	JPN	2006	3:32.82	JAN ZIEGLER	CZE	2005
6:08.75	GIULIO DIVANO	ITA	2011	43.62	Y.MIYAMOTO	JPN	1998	3:34.94	FRANK PIEMME	USA	2005
6:11.49	ROBERTO ALBERICHE	ESP	2011	44.72	GERHARD GIERA	GER	2008	3:35.20	KARL HAUTER	GER	2006
6:21.59	GRAHAM JOHNSTON	USA	2011	44.99	HORST FRITSCHKE	GER	2006	3:41.70	S.KROKOSZYNSKI	POL	2010
6:31.17	HIROSHI YOSHIMURA	JPN	2009	45.38	KARL HAUTER	GER	2005	3:43.19	RAY TAFT	USA	2000
6:33.71	ROD BAKER	AUS	2008	45.45	MAX VAN GELDER	NED	2004	3:43.82	ALDO DA ROSA	USA	1998
6:36.12	FRANK PIEMME	USA	2005	45.45	HIROMU YOSHIMOTO	JPN	1995	3:44.19	MAX VAN GELDER	NED	2004
6:39.26	KEVIN VICKERY	AUS	2003	45.77	CHARLES URSTADT	USA	2009	3:45.46	ROBERT MACDONALD	USA	2008
6:40.27	KATSURA SUZUKI	JPN	2011	46.09	BARTON GREENBERG	USA	2004	3:46.34	GRAHAM JOHNSTON	USA	2011
6:40.63	HIKOJI UEKI	JPN	1995	46.32	YOSHINORI KAWABAT	JPN	2005	400 M. I.M.			
6:41.56	DAVID LAWLER	AUS	2009	100 M. BRST				7:12.63	GIULIO DIVANO	ITA	2011
800 M. FREE				1:41.02	TOSHIO TAJIMA	JPN	2005	7:38.09	JAN ZIEGLER	CZE	2005
12:52.38	GIULIO DIVANO	ITA	2011	1:43.16	JAN ZIEGLER	CZE	2005	7:47.73	THOMAS MAINE	USA	2006
12:56.50	GRAHAM JOHNSTON	USA	2011	1:43.21	ROBERT MACDONALD	USA	2008	7:57.61	KARL HAUTER	GER	2005
13:39.76	ROD BAKER	AUS	2008	1:43.74	AL CRAIG	USA	2007	8:03.49	FRANK PIEMME	USA	2005
13:44.73	HIROSHI YOSHIMURA	JPN	2009	1:43.85	GERHARD GIERA	GER	2008	8:05.14	RAYMOND TAFT	USA	1999
13:50.05	NORBERT ARTUS	CAN	1994	1:44.94	ZENJI NAKAHARI	JPN	2009	8:13.49	ANTON CERER	USA	1997
13:50.35	KATSURA SUZUKI	JPN	2011	1:45.24	Y.MIYAMOTO	JPN	1997	8:14.86	ALDO DA ROSA	USA	1998
14:03.18	DAVID LAWLER	AUS	2009	1:45.54	FRANK PIEMME	USA	2005	8:20.62	S.KROKOSZYNSKI	POL	2011
14:06.39	KARL HAUTER	GER	2006	1:45.58	KARL HAUTER	GER	2008	8:39.57	LEE ARTH	USA	2005
14:07.10	JAN ZIEGLER	CZE	2005	1:45.99	MAX VON ISSER	USA	1999	*****			
14:12.89	FRANK PIEMME	USA	2005	200 M. BRST				M E N 85-89			
1500 M. FREE				3:47.81	AL CRAIG	USA	2007	*****			
24:40.69	GIULIO DIVANO	ITA	2011	3:47.98	KARL HAUTER	GER	2005	50 M. FREE			
25:10.41	GRAHAM JOHNSTON	USA	2011	3:48.49	ROBERT MACDONALD	USA	2008	33.94	KEIJIRO NAKAMURA	JPN	2008
25:59.56	HIROSHI YOSHIMURA	JPN	2008	3:49.18	ZENJI NAKAHARI	JPN	2009	35.77	WOODROW BOWERSOCK	USA	1998
26:39.67	KATSURA SUZUKI	JPN	2011	3:53.23	JAN ZIEGLER	CZE	2005	35.85	FRANK PIEMME	USA	2010
26:52.76	FRANK PIEMME	USA	2005	3:55.20	AUGUSTO ROMANO	ITA	1998	36.40	JAMES EUBANK	USA	2000
26:52.93	RAYMOND TAFT	USA	1999	3:57.94	ASHLEY JONES	USA	2011	36.41	GORO KOBAYASHI	JPN	2002
27:00.00	DAVID LAWLER	AUS	2009	3:58.31	ISAO FUNAMOTO	JPN	2002	36.90	TOSHIMI INATOMI	JPN	2011
27:09.47	HIROSHI IMAIZUMI	JPN	2005	3:58.49	MAX VAN GELDER	NED	2004	37.21	ANDREW HOLDEN	USA	2004
27:14.31	JURGEN SCHMIDT	USA	2003	3:59.36	THOMAS MAINE	USA	2006	37.33	WILLARD LAMB	USA	2008
27:14.65	KARL HAUTER	GER	2006	50 M. FLY				37.67	SHOICHI SAKAMOTO	JPN	2004
50 M. BACK				39.65	GIULIO DIVANO	ITA	2011	38.12	ROGER HALIMI	FRA	2007
38.41	KEIJIRO NAKAMURA	JPN	2003	40.65	FRANK PIEMME	USA	2005	100 M. FREE			
40.71	SHOICHI SAKOMOTO	JPN	1998	40.95	TOSHIO TAJIMA	JPN	2005	1:23.25	FRANK PIEMME	USA	2010
41.40	PAUL HUTINGER	USA	2004	41.36	MAX VAN GELDER	NED	2004	1:23.52	KEIJIRO NAKAMURA	JPN	2008
42.13	SHOICHI SHIDA	JPN	2008	41.67	SUEO YAMAGUCHI	JPN	2009	1:23.87	JIM EUBANK	USA	2001
42.49	RAYMOND TAFT	USA	1999	41.81	SILVANO DANIELI	ITA	2008				



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1:26.48	GORO KOBAYASHI	JPN	2002	1:49.24	WILLARD LAMB	USA	2008	2:11.44	ANTON CERER	USA	2002
1:26.71	HIKOJI UEKI	JPN	2000	1:49.54	ALDO DA ROSA	USA	2002	2:12.47	MAX VAN GELDER	NED	2009
1:26.78	WILLARD LAMB	USA	2007	1:51.56	ALAN WEEDEN	USA	2009	2:17.29	PAUL KRUP	USA	2002
1:27.61	WOODROW BOWERSOCK	USA	1998	1:51.83	C.SCHERER	GER	1999	2:17.55	PAUL HUTINGER	USA	2009
1:28.56	SHOICHI SHIDA	JPN	2011	1:53.16	NILS FERM	SWE	2002	2:20.76	FRANK GRANNIS	USA	2009
1:30.30	JIRO KOBAYASHI	JPN	2010	1:53.67	R.REINSTADTLER	GER	1997	200 M. FLY			
1:30.48	TOSHIMI INATOMI	JPN	2011	200 M. BACK				4:15.86	THOMAS MAINE	USA	2010
200 M. FREE				3:28.59	KEIJIRO NAKAMURA	JPN	2008	4:46.99	KARL HAUTER	GER	2010
3:13.78	HIKOJI UEKI	JPN	2000	3:41.06	GORO KOBAYASHI	JPN	2002	4:47.63	ANDREW HOLDEN	USA	2004
3:16.89	FRANK PIEMME	USA	2010	3:48.38	TOSHIJI SATO	JPN	2000	4:57.41	ANTON CERER	USA	2002
3:16.95	WILLARD LAMB	USA	2008	3:56.47	KARL HAUTER	GER	2010	5:06.00	WALTER PFEIFFER	USA	1999
3:17.30	JIM EUBANK	USA	2001	4:04.33	WILLARD LAMB	USA	2008	5:07.93	PAUL KRUP	USA	2002
3:19.10	GORO KOBAYASHI	JPN	2002	4:04.99	JAN ZIEGLER	CZE	2010	5:25.02	ALDO CAPUTI	ITA	2001
3:23.31	JIRO KOBAYASHI	JPN	2010	4:07.72	ALDO DA ROSA	USA	2002	5:42.31	HIRONARI UEDA	JPN	2006
3:32.69	JURGEN SCHMIDT	USA	2008	4:08.30	BELA BANKI	HUN	2006	5:54.28	FRANK GRIFFITHS	AUS	1993
3:34.20	TOKUSHI KOMEDA	JPN	1999	4:08.82	KAIZO WATANABE	JPN	2008	5:55.76	DON LEADER	GBR	2009
3:35.09	JAN ZIEGLER	CZE	2010	4:09.97	NILS FERM	SWE	2002	200 M. I.M.			
3:35.73	ALDO DA ROSA	USA	2002	50 M. BRST				3:51.20	THOMAS MAINE	USA	2010
400 M. FREE				45.58	TOSHIO TAJIMA	JPN	2011	3:51.88	FRANK PIEMME	USA	2010
7:03.07	FRANK PIEMME	USA	2010	46.23	Y.MIYAMOTO	JPN	2002	3:57.74	KARL HAUTER	GER	2010
7:05.53	HIKOJI UEKI	JPN	2000	49.46	HIROMU YOSHIMOTO	JPN	2000	4:07.75	HIROSHI IMAIZUMI	JPN	2010
7:06.36	WILLARD LAMB	USA	2008	49.49	FRANK PIEMME	USA	2010	4:13.14	ANTON CERER	USA	2001
7:12.16	JIM EUBANK	USA	2001	49.90	SEIJI TAKAHASHI	JPN	2000	4:15.59	ANDREW HOLDEN	USA	2004
7:20.74	HIROSHI IMAIZUMI	JPN	2010	50.57	BARTON GREENBERG	USA	2009	4:16.31	ALDO DAROSA	USA	2003
7:25.95	JURGEN SCHMIDT	USA	2008	50.74	PAUL KRUP	USA	2002	4:29.94	MAX VAN GELDER	NED	2009
7:32.00	KARL HAUTER	GER	2010	51.42	H.REITEMEYER	GER	2006	4:30.49	TOKUSHI KOMEDA	JPN	1999
7:33.45	JIRO KOBAYASHI	JPN	2010	51.52	KARL WITTENBERG	GER	1995	4:33.24	WALTER PFEIFFER	USA	2000
7:40.58	JAN ZIEGLER	CZE	2010	52.32	ALFRED SCHULHOF	CAN	2005	400 M. I.M.			
7:44.04	TOKUSHI KOMEDA	JPN	1999	100 M. BRST				8:21.81	THOMAS MAINE	USA	2010
800 M. FREE				1:51.79	FRANK PIEMME	USA	2010	8:34.82	KARL HAUTER	GER	2010
14:36.90	WILLARD LAMB	USA	2008	1:53.27	BARTON GREENBERG	USA	2009	9:21.90	ANTON CERER	USA	2001
14:43.81	FRANK PIEMME	USA	2010	1:53.70	HIROMU YOSHIMOTO	JPN	2000	9:42.77	WALTER PFEIFFER	USA	1999
15:24.45	JIM EUBANK	USA	2001	1:54.19	Y.MIYAMOTO	JPN	2002	10:28.43	FRANK GRIFFITHS	AUS	1994
15:24.97	HIROSHI IMAIZUMI	JPN	2010	1:56.64	H.REITEMEYER	GER	2006	10:38.32	DON LEADER	GBR	2009
15:32.70	JURGEN SCHMIDT	USA	2008	1:57.18	KARL HAUTER	GER	2010	10:57.84	HIRONARI UEDA	JPN	2006
15:53.00	KARL HAUTER	GER	2010	1:57.36	TOSHIO TAJIMA	JPN	2010	11:23.79	WILLIAM JOHNSTON	USA	2003
15:59.86	TOKUSHI KOMEDA	JPN	1999	2:00.89	ALDO DAROSA	USA	2003	11:52.88	ALDO CAPUTI	ITA	2000
16:19.70	JIRO KOBAYASHI	JPN	2010	2:03.03	SEIJI TAKAHASHI	JPN	2000	11:59.54	JESSE COON	USA	1997
16:26.96	GEORGE MAY	RSA	2002	2:03.62	LUDWIG GEBURZI	GER	2006	*****			
16:27.23	ALDO DA ROSA	USA	2002	200 M. BRST				M E N 90-94			
1500 M. FREE				4:13.81	KARL HAUTER	GER	2010	*****			
28:35.24	WILLARD LAMB	USA	2008	4:15.11	FRANK PIEMME	USA	2010	50 M. FREE			
29:12.85	JURGEN SCHMIDT	USA	2008	4:16.56	THOMAS MAINE	USA	2010	39.19	WOODY BOWERSOCK	USA	2003
29:53.88	JIM EUBANK	USA	2000	4:22.99	HIROMU YOSHIMOTO	JPN	2000	41.93	GEORGE CORONES	AUS	2008
30:10.16	HIROSHI IMAIZUMI	JPN	2010	4:25.31	ALDO DAROSA	USA	2003	43.03	TOKUSHI KOMEDA	JPN	2004
30:14.52	TOKUSHI KOMEDA	JPN	1999	4:26.74	H.REITEMEYER	GER	2006	43.78	KAZUNAGA AKUTSU	JPN	2002
31:17.64	ALDO DA ROSA	USA	2002	4:36.86	HAROLD PERRY	USA	1996	44.07	MIRIO VINCENTIN	ARG	2009
31:18.17	THOMAS MAINE	USA	2010	4:37.41	WATARU ASAOA	JPN	2010	44.71	GORO KOBAYASHI	JPN	2006
32:32.53	HAROLD DODD	GBR	2004	4:37.86	BARTON GREENBERG	USA	2009	45.31	MASAHISA KANEKO	JPN	2002
32:56.41	NILS FERM	SWE	2002	4:40.05	Y.MIYAMOTO	JPN	2002	45.87	MASAO UEDA	JPN	2002
33:08.42	GUS LANGNER	USA	1989	50 M. FLY				46.14	NED SMITH	USA	2005
50 M. BACK				45.63	FRANK PIEMME	USA	2010	46.24	GASTAO FIGUEIREDO	BRA	2000
39.89	KEIJIRO NAKAMURA	JPN	2008	46.48	ANDREW HOLDEN	USA	2004	100 M. FREE			
42.17	GORO KOBAYASHI	JPN	2001	46.85	TOSHIO TAJIMA	JPN	2010	1:38.05	GORO KOBAYASHI	JPN	2006
44.52	FRED VAN DYKE	USA	2006	47.88	TAMON YOSHIDA	JPN	2011	1:40.54	TOKUSHI KOMEDA	JPN	2004
45.16	TOSHIJI SATO	JPN	2000	50.30	THOMAS MAINE	USA	2010	1:43.22	WOODY BOWERSOCK	USA	2003
45.33	SHOICHI SAKAMOTO	JPN	2004	50.64	MAX VON ISSER	USA	2006	1:43.22	WOODY BOWERSOCK	USA	2003
46.94	SHOICHI SHIDA	JPN	2011	51.12	PAUL KRUP	USA	2002	1:45.51	GEORGE CORONES	AUS	2009
47.06	ALDO DA ROSA	USA	2002	51.81	Y.MIYAMOTO	JPN	2002	1:50.30	KAZUNAGA AKUTSU	JPN	2002
47.70	R.REINSTADTLER	GER	1997	54.00	ANTON CERER	USA	2002	1:51.07	MASAHISA KANEKO	JPN	2002
49.00	ALDACYR HILL	BRA	2010	54.46	BRUNO HAMPEL	GER	2009	1:56.10	HEINZ SIEGEL	GER	2004
49.11	GUNTHER PIRL	GER	2006	100 M. FLY				1:56.60	GASTAO FIGUEIREDO	BRA	2000
100 M. BACK				1:55.18	THOMAS MAINE	USA	2010	1:57.91	GUS LANGNER	USA	1993
1:31.65	KEIJIRO NAKAMURA	JPN	2008	2:02.53	ANDREW HOLDEN	USA	2004	1:58.36	R.REINSTADTLER	GER	2003
1:36.34	GORO KOBAYASHI	JPN	2001	2:05.21	KARL HAUTER	GER	2010	200 M. FREE			
1:41.25	TOSHIJI SATO	JPN	2000	2:05.39	FRANK PIEMME	USA	2010	3:54.89	TOKUSHI KOMEDA	JPN	2004
1:48.68	HIKOJI UEKI	JPN	2000	2:10.28	WALTER PFEIFFER	USA	1999	4:10.40	WOODY BOWERSOCK	USA	2003



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4:19.52	MASAHISA KANEKO	JPN 2002	4:34.60	R.REINSTADTLER	GER 2002	7:23.22	ANDREW KALLUNKI	USA 1995
4:28.34	GUS LANGNER	USA 1993	4:41.28	TOSHIJI SATO	JPN 2005	7:25.47	HARUO ENDO	JPN 2002
4:28.88	NILS FERM	SWE 2008	4:42.14	JOHN HARRISON	GBR 2004	400 M. I.M.		
4:30.92	MIRIO VINCENTIN	ARG 2009	4:46.15	JOHN MERRILL	USA 2008	11:19.91	WALTER PFEIFER	USA 2003
4:32.78	ALFREDO CHERCHI	AUS 1997	4:54.50	ALFRED SCHULHOF	CAN 2010	13:52.72	JESSE COON	USA 2000
4:37.85	JULIUS FEICHT	GER 2011	4:54.71	H.REITEMEYER	GER 2011	*****		
4:38.25	JIM TRIOLO	USA 2004	4:56.44	ROGERS HOLMES	USA 2011	M E N 95-99		
4:38.57	ARTHUR THOMAS	AUS 2007	50 M. BRST			*****		
400 M. FREE			57.20	HIROMU YOSHIMOTO	JPN 2005	50 M. FREE		
8:13.45	TOKUSHI KOMEDA	JPN 2004	1:00.75	SEIJI TAKAHASHI	JPN 2005	55.88	GUS LANGNER	USA 1998
9:35.43	ARTHUR THOMAS	AUS 2007	1:00.98	H.REITEMEYER	GER 2011	56.99	KAZUNAGA AKUTSU	JPN 2007
9:39.37	WOODY BOWERSOCK	USA 2003	1:01.64	BRUD CLEAVELAND	USA 2007	1:03.14	JARING TIMMERMAN	CAN 2005
9:40.04	ALFREDO CHERCHI	AUS 1997	1:01.79	GEORGE CORONES	AUS 2009	1:06.06	COLLISTER WHEELER	USA 1988
9:40.14	CARLOS VINCENTIN	ARG 2009	1:02.56	ALFRED SCHULHOF	CAN 2010	1:06.93	ALFREDO CHERCHI	AUS 2003
9:43.35	JULIUS FEICHT	GER 2011	1:04.60	BELA BANKI	HUN 2010	1:14.72	JOHN HARRISON	GBR 2009
9:44.11	GUS LANGNER	USA 1993	1:04.85	RAYMOND HAKOMAKI	USA 2010	1:17.45	ALDO CAPUTI	ITA 2010
9:44.99	NILS FERM	SWE 2007	1:05.84	MITSUMU SHIMO	JPN 1999	1:20.07	ELI BARREIRO	ECU 2001
9:48.38	JOHN HARRISON	GBR 2004	1:06.04	Y.MIYAMOTO	JPN 2007	1:20.52	TOM LANE	USA 1989
9:55.55	HEINZ SIEGEL	GER 2004	100 M. BRST			1:26.22	ROMAN JEZEK	CAN 2009
800 M. FREE			2:15.43	HIROMU YOSHIMOTO	JPN 2005	100 M. FREE		
17:54.42	TOKUSHI KOMEDA	JPN 2005	2:20.73	H.REITEMEYER	GER 2011	2:17.59	KAZUNAGA AKUTSU	JPN 2007
19:36.32	NILS FERM	SWE 2007	2:23.53	RAYMOND HAKOMAKI	USA 2010	2:29.32	GUS LANGNER	USA 1998
20:09.22	JOHN HARRISON	GBR 2004	2:28.24	BRUD CLEAVELAND	USA 2007	2:31.44	JARING TIMMERMAN	CAN 2005
20:13.74	GUS LANGNER	USA 1993	2:30.45	ALFRED SCHULHOF	CAN 2010	2:44.63	JOHN HARRISON	GBR 2009
20:28.49	BELA BANKI	HUN 2011	2:30.49	GEORGE CORONES	AUS 2008	3:07.10	JEAN LEEMPUT	FRA 2011
20:43.98	JULIUS FEICHT	GER 2011	2:31.40	MASAHISA KANEKO	JPN 2002	3:07.28	ELI BARREIRO	ECU 2001
20:50.22	JOHN MERRILL	USA 2008	2:34.78	BELA BANKI	HUN 2010	3:29.15	ROMAN JEZEK	CAN 2009
21:07.17	WOODY BOWERSOCK	USA 2003	2:39.02	HANS PAUL	GER 1998	3:30.27	ETSURO YASUI	JPN 2006
21:48.18	RICHARD SMITH	USA 2010	2:42.38	RUSS WITTE	USA 2009	3:30.59	TOM LANE	USA 1992
21:55.42	HUGH MCGREGOR	CAN 2009	200 M. BRST			4:27.45	J.STORZ	FRA 2010
1500 M. FREE			5:17.47	HIROMU YOSHIMOTO	JPN 2005	200 M. FREE		
36:47.02	GUS LANGNER	USA 1993	5:26.11	GEORGE CORONES	AUS 2009	5:13.23	GUS LANGNER	USA 1998
37:21.89	NILS FERM	SWE 2007	5:26.75	H.REITEMEYER	GER 2011	5:56.17	JARING TIMMERMAN	CAN 2005
38:56.19	JOHN HARRISON	GBR 2004	5:35.18	MASAHISA KANEKO	JPN 2002	6:30.80	GARY WEISENTHAL	USA 2008
39:36.67	WALTER PFEIFFER	USA 2004	5:49.32	BELA BANKI	HUN 2010	7:54.76	ROMAN JEZEK	CAN 2009
40:59.21	RICHARD SMITH	USA 2010	5:55.72	BRUD CLEAVELAND	USA 2007	10:27.88	J.STORZ	FRA 2010
43:02.08	HUGH MCGREGOR	CAN 2010	6:04.55	ALFRED SCHULHOF	CAN 2010	400 M. FREE		
43:09.40	BUD JACKSON	USA 2010	6:11.58	RUSS WITTE	USA 2009	11:30.53	GUS LANGNER	USA 1998
51:09.50	GARY WEISENTHAL	USA 2003	6:18.26	ROMAN JEZEK	CAN 2004	13:43.10	GARY WEISENTHAL	USA 2008
52:41.53	PAUL E. SPANGLER	USA 1990	6:20.86	BUD JACKSON	USA 2010	20:38.12	JEAN STORZ	FRA 2009
72:43.69	JACK MATHIESON	AUS 2007	50 M. FLY			800 M. FREE		
50 M. BACK			1:00.30	WALTER PFEIFER	USA 2003	22:28.28	GUS LANGNER	USA 1998
46.82	GORO KOBAYASHI	JPN 2006	1:05.95	ANDREW HOLDEN	USA 2009	28:18.13	GARY WEISENTHAL	USA 2008
53.26	KAZUNAGA AKUTSU	JPN 2002	1:10.34	HEINZ SIEGEL	GER 2004	1500 M. FREE		
53.99	R.REINSTADTLER	GER 2002	1:11.54	R.REINSTADTLER	GER 2002	47:30.40	GUS LANGNER	USA 1999
54.07	TOSHIJI SATO	JPN 2005	1:11.57	TOKUSHI KOMEDA	JPN 2004	50 M. BACK		
54.39	BELA BANKI	HUN 2010	1:12.66	ALDO CAPUTI	ITA 2005	1:01.61	TOSHIJI SATO	JPN 2010
54.41	MASAHISA KANEKO	JPN 2003	1:21.55	JOHN HARRISON	GBR 2004	1:03.32	KAZUNAGA AKUTSU	JPN 2007
55.45	JOHN MERRILL	USA 2008	1:23.87	JESSE COON	USA 2000	1:10.06	NORI YAMAMOTO	JPN 2005
56.43	WOODY BOWERSOCK	USA 2003	1:26.07	JIM PENFIELD	USA 1998	1:10.49	JEAN LEEMPUT	FRA 2009
56.69	NILS FERM	SWE 2008	2:06.54	EUGENE LEHMAN	CAN 2006	1:12.29	JOHN HARRISON	GBR 2009
57.62	ROGERS HOLMES	USA 2011	100 M. FLY			1:16.30	TOM LANE	USA 1989
100 M. BACK			2:31.03	WALTER PFEIFER	USA 2003	1:20.41	SHOGORO AZUMA	JPN 2007
1:45.46	GORO KOBAYASHI	JPN 2006	2:46.91	ALDO CAPUTI	ITA 2005	1:23.77	ALFREDO CHERCHI	AUS 2002
2:04.48	TOSHIJI SATO	JPN 2006	3:29.53	JESSE COON	USA 2000	1:28.47	GARY WEISENTHAL	USA 2008
2:04.94	R.REINSTADTLER	GER 2002	200 M. FLY			1:28.61	MARTIN SCHMIDT	GER 2009
2:06.63	BELA BANKI	HUN 2010	5:51.79	WALTER PFEIFER	USA 2003	100 M. BACK		
2:07.20	JOHN MERRILL	USA 2007	6:05.42	ALDO CAPUTI	ITA 2005	2:22.83	TOSHIJI SATO	JPN 2010
2:07.37	NILS FERM	SWE 2008	8:22.48	JESSE COON	USA 2000	2:31.61	KAZUNAGA AKUTSU	JPN 2007
2:10.36	WOODY BOWERSOCK	USA 2003	200 M. I.M.			2:42.01	JOHN HARRISON	GBR 2009
2:11.19	MASAHISA KANEKO	JPN 2003	5:02.64	TOKUSHI KOMEDA	JPN 2004	2:54.90	NORI YAMAMOTO	JPN 2005
2:12.94	ROGERS HOLMES	USA 2011	5:12.11	WALTER PFEIFER	USA 2003	3:04.37	GARY WEISENTHAL	USA 2008
2:15.93	H.REITEMEYER	GER 2011	5:43.35	ALDO CAPUTI	ITA 2005	3:15.35	ALDO CAPUTI	ITA 2010
200 M. BACK			6:10.88	JOHN HARRISON	GBR 2005	3:19.14	TOM LANE	USA 1992
4:05.77	GORO KOBAYASHI	JPN 2007	6:25.78	JESSE COON	USA 2000	3:19.24	JARING TIMMERMAN	CAN 2005
4:32.63	NILS FERM	SWE 2009	7:02.80	JIM PENFIELD	USA 1998	3:32.44	ALFREDO CHERCHI	AUS 2003
4:33.77	BELA BANKI	HUN 2010	7:08.31	PETER JURCZYK	USA 1996			



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2011)

3:33.74 ROMAN JEZEK CAN 2009
200 M. BACK
5:30.07 TOSHIJI SATO JPN 2010
6:00.99 JEAN LEEMPUT FRA 2011
6:10.65 JOHN HARRISON GBR 2010
6:38.69 GARY WEISENTHAL USA 2008
8:19.55 ALFREDO CHERCHI AUS 2002
50 M. BRST
1:10.83 HIROMU YOSHIMOTO JPN 2010
1:26.15 KAZUNAGA AKUTSU JPN 2007
1:26.61 GUS LANGNER USA 1998
1:35.45 ROMAN JEZEK CAN 2009
1:35.94 ALDO CAPUTI ITA 2010
1:36.87 TOM LANE USA 1989
1:44.98 RYUZO KADONO JPN 2009
1:53.28 ARTHUR EVANS AUS 2009
1:55.64 MARTIN SCHMIDT GER 2009
3:03.46 EUGENE LEHMAN CAN 2008
100 M. BRST
2:40.08 HIROMU YOSHIMOTO JPN 2010
3:36.50 ROMAN JEZEK CAN 2009
3:38.45 GUS LANGNER USA 1998
200 M. BRST
5:47.31 HIROMU YOSHIMOTO JPN 2010
7:37.17 GUS LANGNER USA 1998
7:54.76 ROMAN JEZEK CAN 2009
50 M. FLY
1:37.18 ALDO CAPUTI ITA 2010
2:01.41 WALTER PFEIFFER USA 2008
2:40.49 EUGENE LEHMAN CAN 2008
100 M. FLY
4:09.52 WALTER PFEIFFER USA 2008
200 M. FLY
14:05.25 WALTER PFEIFFER USA 2008
200 M. I.M.
8:55.97 WALTER PFEIFFER USA 2008
400 M. I.M.
17:29.20 WALTER PFEIFFER USA 2008

M E N 100-104

50 M. FREE
1:40.46 TOM LANE USA 1994
2:15.51 HANS HAHN GER 2008
3:22.65 EDWIN THOMAS USA 1994
100 M. FREE
4:05.98 TOM LANE USA 1994
50 M. BACK
1:50.73 TOM LANE USA 1994
2:25.23 HANS HAHN GER 2008
100 M. BACK
4:13.84 TOM LANE USA 1994
6:01.50 HANS HAHN GER 2008
200 M. BACK
9:04.31 TOM LANE USA 1994