



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2010)

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
26.92 HITOMI NAKAYAMA JPN 2010
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
58.72 MONICA BENVENUTI ITA 2003
58.75 KATATIN QUELENNEC FRA 2006
58.82 FLORENCIA SZIGETI USA 2008
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 KRUYSSSEN BEL 2000
2:06.40 NADINE REICHERT GER 2009
2:06.81 HITOMI MATSUDA JPN 2005
2:07.11 SARA L SHAND USA 1989
2:07.14 SHARRON DAVIES GBR 1990
2:08.02 TATIANA BARBOSA BRA 2006
2:08.44 LYNNE BLOMBERG USA 1989
400 M. FREE
4:13.03 SHEILA TAORMINA USA 1996
4:16.31 RACHEL KOMISARZ USA 2001
4:23.81 NADINE REICHERT GER 2009
4:24.11 SILVIA VIDA GER 2003
4:26.63 KIM VAN KRUYSSSEN 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
4:31.02 MARY HOLMES USA 1988
800 M. FREE
8:47.44 RACHEL KOMISARZ USA 2001
8:51.48 NADINE REICHERT GER 2009
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
9:24.22 MARY H ROEBUCK USA 1990
1500 M. FREE
16:39.77 RACHEL KOMISARZ USA 2001
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
18:01.57 DONNA JOHNSON USA 1996
50 M. BACK
29.60 MAI NAKAMURA JPN 2008
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
31.05 PAMELA HANSON USA 2005
31.06 PAULA RIBEIRO BRA 2009
31.10 MARIA HIRSCH GER 2009
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
1:06.46 MONIQUE RODAHL NZL 1989
1:06.70 TAKAMI IGARASHI JPN 2010
1:07.13 PAMELA HANSON USA 2005
1:07.18 LAUREN MORELLI USA 2006
200 M. BACK
2:17.30 KANA OHASHI JPN 2007
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
2:26.62 MARTIE MC KINNEY USA 1994
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
33.88 BEATE STEINHOF GER 1992
33.89 LAURA HOLT USA 2008
100 M. BRST
1:10.56 MEGAN JENDRICK USA 2010
1:12.09 BRIGITTE BUCUE BEL 2000
1:12.65 HITOMI MATSUDA JPN 2006
1:13.06 NICOLE HEIDEMANN GER 2009
1:13.15 MANUELA NACKEL GER 1999
1:13.19 KATIE HENDERSON GBR 2009
1:14.39 SUSANNE HOCK GER 2010
1:14.97 KATJA BRASCHOSS GER 2006
1:15.01 A.JANITZKI GER 2009
1:15.22 LAURA GLASS USA 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
2:43.06 CLAIRE DESDOIT FRA 2010
2:43.17 A.JANITZKI GER 2009
2:43.69 LOUISE HENLEY GBR 2010
2:43.89 CRISTINA TEUSCHER GBR 2004

2:44.11 SUSANNE HOCK GER 2010
50 M. FLY
27.90 LINDA LUND TIETZE DEN 2010
28.09 MARJA PARSSINEN FIN 1997
28.14 YUKO NAKANISHI JPN 2010
28.19 JENNIFER BROOKS USA 2003
28.24 MABI TSUKIOKA JPN 2008
28.29 MEGAN JENDRICK USA 2010
28.30 C.SIEVERT GER 2000
28.72 SHELLY JOHNSTON USA 2006
28.73 AIMEE RAMM GBR 2008
28.78 HITOMI NAKAYAMA JPN 2010
100 M. FLY
1:01.04 RACHEL KOMISARZ USA 2001
1:02.73 YUKO NAKANISHI JPN 2010
1:03.18 SHELLY JOHNSTON USA 2006
1:03.29 HITOMI MATSUDA JPN 2006
1:03.47 MAYU MURAKAMI JPN 2008
1:03.67 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
1:03.98 MONIQUE RODAHL NZL 1989
200 M. FLY
2:16.82 KIM VAN KRUYSSSEN 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 BLOEMER 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	29.07	ALFONSINA IRACE	ITA	2010
26.75	TRACIE MOLL	USA	1998	31.03	KIKKI MYHRBRO	NED	1994	29.10	ALEXA BROWN	AUS	2009
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				1:02.26	NORIKO INADA	JPN	2010	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
58.87	DOMINIQUE DIEZI	USA	2008	1:07.63	JOANNA CORBEN	GBR	2002	1:04.80	PASCALE VERBAUWEN	BEL	1996
58.95	KARIN SEICK	GER	1994	1:07.97	MARTIE MC KINNEY	USA	1995	200 M. FLY			
59.02	K.PIPES-NEILSEN	USA	1996	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
2:04.62	HITOMI MATSUDA	JPN	2009	2:17.73	K.PIPES-NEILSEN	USA	1996	2:20.12	K.PIPES-NEILSEN	USA	1996
2:06.80	K.PIPES-NEILSEN	USA	1996	2:18.19	KANA YAMAGUCHI	JPN	2010	2:21.46	LAURA BIANZANI	ITA	2004
2:07.84	BETH KNIGHT	USA	1989	2:18.26	KANA OHASHI	JPN	2009	2:21.50	HITOMI MATSUDA	JPN	2007
2:07.87	KATJA TROSIEN	GER	2007	2:21.26	DIANE GALLAS	USA	1996	2:22.57	HIDEKA KOSHIMIZU	JPN	1995
2:08.26	ANGEL MARTINO	USA	2000	2:22.52	JOANNA CORBEN	GBR	2002	2:23.26	MARTIE MC KINNEY	USA	1995
2:08.29	KIRSTEN CAMERON	NZL	2007	2:23.47	DAPHNE FUCHS	GER	1993	2:23.35	MELISSA VARLAS	USA	2005
2:09.12	LYNN MARSHALL	CAN	1992	2:24.09	JO SWATTON	GBR	2001	2:24.34	SANDIE EASTON	USA	2002
2:09.14	NADINE DAY	USA	2004	2:25.67	GITTE RAAGAARD	DEN	2004	2:25.18	NADINE DAY	USA	2004
2:09.46	ARLETTE ALEXANDER	GER	2009	2:26.56	ORIANA BURGIO	ITA	2010	200 M. I.M.			
2:09.68	TRACIE MOLL	USA	1998	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
4:25.60	HITOMI MATSUDA	JPN	2008	32.77	YUKO SAKAGUCHI	JPN	2009	2:23.12	K.PIPES-NEILSEN	USA	1996
4:27.11	KIRSTEN CAMERON	NZL	2007	33.20	KATIE MCCLELLAND	USA	2008	2:23.50	SARABETH METZGER	USA	2009
4:28.76	K.PIPES-NEILSEN	USA	1996	33.66	ISABEL FIGUEIRA	POR	2009	2:24.12	NADINE DAY	USA	2004
4:30.38	BETH L KNIGHT	USA	1991	33.84	WENKE HANSEN	USA	1999	2:25.90	WENKE HANSEN	USA	2000
4:31.93	SUSAN PORTER	USA	1994	33.92	LAURA GLASS	USA	2010	2:26.17	YVETTA HLAVACOVA	CZE	2005
4:32.52	LISA HAZEN	USA	1995	34.33	SILVA PULFRICH	GER	2009	2:26.41	HIDEKA KOSHIMIZU	JPN	1995
4:33.02	HEIDI GEORGE	USA	2009	34.41	FIONA MARSHALL	GBR	2009	2:26.61	A. JANITZKI	GER	2010
4:33.08	SUSAN PAMELIA	USA	1986	34.46	S.HORNER-SCHUCK	GER	1995	2:27.01	HIDEKO HIRANAKA	JPN	2003
4:33.22	LYNN MARSHALL	CAN	1992	34.48	KYLA STEENHART	NZL	2008	400 M. I.M.			
4:33.93	KATJA TROSIEN	GER	2007	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
9:13.22	KIRSTEN CAMERON	NZL	2007	1:13.29	KATIE MCCLELLAND	USA	2008	5:05.05	HIDEKA KOSHIMIZU	JPN	1995
9:16.82	LYNN MARSHALL	CAN	1992	1:14.53	WENKE HANSEN	USA	1999	5:09.93	NADINE DAY	USA	2004
9:17.54	YVETTA HLAVACOVA	CZE	2005	1:14.95	ISABEL FIGUEIRA	POR	2009	5:09.95	A. JANITZKI	GER	2010
9:19.96	SUSAN PORTER	USA	1994	1:15.18	A. JANITZKI	GER	2010	5:11.39	KAREN BURTON	USA	1992
9:20.20	BETH L KNIGHT	USA	1991	1:15.18	YUKO SAKAGUCHI	JPN	2009	5:13.97	SUSAN PORTER	USA	1994
9:22.56	DAWN HECKMAN	USA	2008	1:15.45	NADINE DAY	USA	2004	5:14.75	ANNE VELEZ	FRA	2010
9:22.73	KAREN BURTON	USA	1996	1:15.50	CYNTHIA LEWIN	USA	2009	5:15.13	SANDIE EASTON	USA	2002
9:24.66	KARLYN PIPES	USA	1995	1:15.56	KYLA STEENHART	GBR	2008	5:15.37	VALERIE HADD	CAN	2010
9:24.87	MARY ROEBUCK	USA	1994	1:15.62	KAREN JACKSON	GBR	2004	*****			
9:25.74	CRISTINA SOSSI	ITA	2004	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	*****			
17:38.70	KAREN BURTON	USA	1996	2:41.63	KATIE MCCLELLAND	USA	2008	50 M. FREE			
17:43.52	KIRSTEN CAMERON	NZL	2007	2:44.61	CYNTHIA LEWIN	USA	2009	25.98	DARA TORRES	USA	2006
17:48.44	K.PIPES-NEILSEN	USA	1996	2:45.20	KYLA STEENHART	NZL	2008	26.53	EDITH OTTERMANN	RSA	2004
17:48.60	LISA HAZEN	USA	1996	2:45.80	KAREN JACKSON	GBR	2004	26.66	TRACIE MOLL	USA	1999
17:53.28	HITOMI MATSUDA	JPN	2007	2:46.10	SATSUKI HIRUKAWA	JPN	2010	26.68	S.NEILSON-BELL	USA	1996
17:55.58	BETH L KNIGHT	USA	1991	2:46.81	HIDEKA KOSHIMIZU	JPN	1995	26.85	PEGGY GROSS	USA	2004
18:02.01	AMY POPE	USA	1991	2:46.92	ISABEL FIGUEIRA	POR	2009	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	27.14	MELINDA MAROSI	HUN	2005
28.86	NORIKO INADA	JPN	2010	27.59	ANGEL MARTINO	USA	2000	27.16	BETH KNIGHT	USA	1994
28.95	MAI NAKAMURA	JPN	2009	27.73	NADINE ROLLAND	CAN	2008	27.18	MEGAN OESTING	USA	2009
29.55	MARTINA MORAVCOVA	USA	2009	28.38	MABI TSUKIOKA	JPN	2009	100 M. FREE			
29.70	KANA OHASHI	JPN	2009	28.72	E.BELLINGER	GBR	2008	58.87	S.NEILSON-BELL	USA	1995
30.45	NADINE ROLLAND	CAN	2008	28.77	TRACIE MOLL	USA	1998	58.94	BETH KNIGHT	USA	1994
30.81	KANA YAMAGUCHI	JPN	2010	28.82	JUNKO ONISHI	JPN	2006	59.16	SHERI HART	USA	2006
30.82	NAHOMI SHIRATA	JPN	2006	28.95	HITOMI MATSUDA	JPN	2007	59.20	TRACIE MOLL	USA	1999
								59.21	K.PIPES-NEILSEN	USA	1997



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59.26	MEGAN OESTING	USA	2009	1:07.94	CINDY MABEE	CAN	2008	1:05.39	SUSAN HALFACRE	USA	1988
59.29	M DRUECKHAMMER	USA	2002	1:08.11	MARIANNE KRIEL	RSA	2006	1:05.87	PASCALE VERBAUWEN	BEL	1998
59.47	MELINDA MAROSI	HUN	2005	1:08.34	GISELI PEREIRA	BRA	2009	1:05.90	SILVIA PAROCCHI	ITA	2005
59.48	PEGGY GROSS	USA	2004	1:08.45	SILVIA PAROCCHI	ITA	2003	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	2:28.37	JUDITH LALLIER	USA	1995	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				33.49	R.CRESCENTINI	ITA	2010	2:28.07	CAROLINE KRATTLI	USA	2001
4:25.68	KIRSTEN CAMERON	NZL	2009	33.52	LINLEY FRAME	AUS	2010	2:28.51	CLAUDIA POLL	CRC	2010
4:26.17	K.PIPES-NEILSEN	USA	1997	33.64	SYLVIA GERASCH	GER	2004	2:28.83	SILVIA PAROCCHI	ITA	2004
4:31.35	BETH KNIGHT	USA	1994	33.91	CAROLINE KRATTLI	USA	2001	2:28.93	JUDITH LALLIER	USA	1994
4:32.57	SHEILA TAORMINA	USA	2006	34.36	KELLY LEGASPI	USA	2009	2:28.97	KATHERINE VEALE	GBR	2001
4:33.08	SUSAN HALFACRE	USA	1988	34.41	ANNA-KARIN LUNDIN	SWE	2010	2:29.17	KARIN SEICK	GER	1996
4:34.20	SUSAN PAMELIA	USA	1987	34.41	L.WETZEL-OSBORNE	USA	1989	2:29.18	NADINE DAY	USA	2006
4:35.19	VALERIA VERGANI	ITA	2006	34.51	MARIT BREITFELD	GER	2010	2:29.30	JILL HERNANDEZ	USA	1999
4:35.74	ANA PAULA GRILO	POR	2006	34.70	S.SEMINATORE	ITA	2003	2:29.90	CYNTHIA LEWIS	USA	2010
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	5:16.83	NADINE DAY	USA	2007
9:13.49	SHEILA TAORMINA	USA	2006	1:14.87	CYNTHIA LEWIS	USA	2010	5:18.43	JILL HERNANDEZ	USA	1999
9:16.20	K.PIPES-NEILSEN	USA	1997	1:15.11	S VON DER LIPPE	USA	2004	5:19.77	KATHERINE VEALE	GBR	2001
9:20.62	BETH KNIGHT	USA	1994	1:15.36	SYLVIA GERASCH	GER	2004	5:20.69	ASA NEIJ	SWE	2010
9:24.54	SUSAN HALFACRE	USA	1988	1:15.65	KELLY LEGASPI	USA	2009	5:22.15	K.WULFF-HOPPE	GER	2003
9:25.54	PENNY BOND	AUS	1998	1:15.90	ANNA-KARIN LUNDIN	SWE	2010	5:22.50	ANA PAULA GRILO	POR	2006
9:26.17	JACQUI ROBINSON	AUS	2008	1:16.09	R.CRESCENTINI	ITA	2010	5:24.81	JUNE FORD	USA	1997
9:27.70	VALERIA VERGANI	ITA	2006	1:16.71	MONIKA MESSNER	AUT	2010	5:24.93	LYNN MARSHALL	CAN	1996
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	26.44	EDITH OTTERMANN	RSA	2009
17:59.12	BETH KNIGHT	USA	1994	2:47.19	SYLVIA GERASCH	GER	2004	26.88	MARIA DOELGER	USA	2003
18:07.43	LYNN MARSHALL	CAN	1996	2:47.34	MARIT BREITFELD	GER	2010	26.95	JUNKO NAKANO	JPN	2008
18:09.36	LISA HAZEN	USA	1999	2:47.95	ANNETT REX	GER	2004	26.97	ELIZABETH EMERY	USA	2002
18:12.11	SUSAN PAMELIA	USA	1987	2:48.09	MONIKA MESSNER	AUT	2010	27.18	JENNIE BUCKNELL	AUS	2009
18:13.21	ALISON ZAMANIAN	USA	2008	2:49.48	MARZENA KULIS	ITA	2002	27.28	ANN WORTHINGTON	USA	2006
18:17.10	VALERIA VERGANI	ITA	2006	2:49.61	R.PESCATORI	USA	2006	27.39	S.NEILSON-BELL	USA	1996
18:17.72	LAURIE DODD	USA	2008	2:50.66	DAGMAR HILBIG	GER	1996	27.56	BARBARA GELLRICH	GER	2003
18:25.65	N.MUIR-COCHRANE	GBR	2000	50 M. FLY				27.58	FALL WILLEBOORDSE	USA	2009
50 M. BACK				28.03	LYNNE HAYES	AUS	2009	27.60	JENNIFER WILLIS	USA	2008
30.17	SHERI HART	USA	2010	28.32	TRACIE MOLL	USA	1999	100 M. FREE			
31.22	MARIA RIVERA	VEN	2010	28.67	JUNKO ONISHI	JPN	2010	58.43	MARIA DOELGER	USA	2003
31.27	PASCALE VERBAUWEN	BEL	2001	28.73	PASCALE VERBAUWEN	BEL	2001	59.13	ELIZABETH EMERY	USA	2002
31.28	CINDY MABEE	CAN	2008	28.75	KRISTINA ULVELING	USA	2009	59.59	K PIPES-NEILSEN	USA	2004
31.31	K PIPES-NEILSEN	USA	1999	29.09	MELANIA BUSSIÈRE	CAN	2008	1:00.39	BEVERLEY MCCARNEY	RSA	2004
31.58	MARIANNE KRIEL	RSA	2006	29.27	SUSAN HALFACRE	USA	1988	1:00.40	S.VON DER LIPPE	USA	2009
31.71	JODY SMITH	USA	2008	29.27	M DRUECKHAMMER	USA	2002	1:00.41	FALL WILLEBOORDSE	USA	2009
31.86	GISELI PEREIRA	BRA	2008	29.28	KYOKO YAMADA	JPN	2009	1:00.63	S.NEILSON-BELL	USA	1996
32.07	CSILLA CSIKANY	HUN	2006	29.29	SILVIA PAROCCHI	ITA	2004	1:00.73	KIMBERLY STEVENS	USA	2009
32.11	CHRISTINA SPISKE	GER	2010	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
1:06.91	JODY SMITH	USA	2008	1:03.97	KRISTINA ULVELING	USA	2009	2:10.50	S.VON DER LIPPE	USA	2007
1:07.44	C.J-SPONCELLER	SWE	2010	1:04.34	K PIPES-NEILSEN	USA	1998	2:12.24	AMANDA PICARD	SUI	2008
1:07.79	JOANNA CORBEN	GBR	2005	1:04.91	DEBBIE YOUNGER	CAN	2005	2:12.75	SUSANNE SIMPSON	USA	2002
1:07.93	MARIA RIVERA	VEN	2010	1:05.02	PEGGY GROSS	USA	2004				



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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	2:35.64	CECILIA STANFORD	RSA	2006
4:44.38	CLAUDIA KERN	GER	2009	35.99	JENNY WHITELEY	AUS	2003	2:35.74	COLETTE CRABBE	USA	2003
4:45.57	JILL HERNANDEZ	USA	2005	36.08	K.PIPES-NEILSEN	USA	2007	2:35.98	ELLEN REYNOLDS	USA	2010
4:45.65	SUSANNA ROSEN	SWE	2009	36.42	S.SEMINATORE	ITA	2009	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	1:18.19	MAGGIE KELLY	GBR	2001	5:33.11	LYNN MARSHALL	CAN	2009
9:40.27	LYNN MARSHALL	CAN	2008	1:18.26	MONICA CORO	ITA	2007	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	5:40.83	NAOKO SHIDE	JPN	2009
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
19:09.25	NORMA CAHILL	IRL	2010	2:54.49	MONICA CORO	ITA	2007	28.41	ANGELA ZINGLER	GER	2005
19:09.53	N.MUIR-COCHRANE	GBR	2009	2:55.96	JENNY WHITELEY	AUS	2003	28.46	JACKI HIRSTY	USA	2003
19:13.05	C.TARANTINO	ITA	2004	2:57.24	COLETTE CRABBE	USA	2001	28.55	KATHY GARNIER	USA	2010
19:13.68	ANDREA BLOCK	USA	2009	2:57.38	ULRIKE URBANIAK	GER	1998	28.77	J SWAGERTY-HILL	USA	2002
19:15.90	KAREN EINSIDLER	USA	2002	2:58.57	AMANDA HEATH	GBR	2004	28.85	ANN SENN	USA	2009
19:19.16	REBECCA PERROTT	NZL	2009	50 M. FLY				28.99	BERGER TALOCHINO	FRA	2006
50 M. BACK				29.12	S.VON DER LIPPE	USA	2010	29.07	BARBARA JONES	USA	2008
31.71	VALERIE JENKINS	USA	2008	29.37	LAURIE DITOMMASO	USA	2009	100 M. FREE			
31.85	SUSAN WALSH	USA	2007	29.52	K.PIPES-NEILSEN	USA	2008	1:01.13	LAURA VAL	USA	2001
31.99	LESLIE LIVINGSTON	USA	2009	29.57	LISA DAHL	USA	2009	1:02.31	S.HEIM-BOWEN	USA	2008
32.08	SHIZUKO HIRAISHI	JPN	2009	29.74	LESLIE LIVINGSTON	USA	2009	1:02.95	SARAH MACDONALD	CAN	2010
32.10	K.PIPES-NEILSEN	USA	2007	29.84	SUSAN WALSH	USA	2007	1:02.95	SHANE GOULD	AUS	2008
32.11	ELLEN REYNOLDS	USA	2010	29.89	SHIZUKO HIRAISHI	JPN	2008	1:03.32	JENNY WHITELEY	AUS	2009
32.65	VERA CAPKOVA	BEL	2006	29.90	NATALIYA MATVEEVA	RUS	2010	1:03.58	JACKI HIRSTY	USA	2003
32.73	HIROKO NOGUCHI	JPN	2010	30.01	LISA WARD	USA	2009	1:03.70	KATHY GARNIER	USA	2010
32.93	LAURA VAL	USA	1997	30.04	ARLENE DELMAGE	USA	2008	1:03.78	ENEY JONES	USA	2010
33.18	KARIN SEICK	GER	2006	100 M. FLY				1:04.23	HEATHER CAMPBELL	NZL	2006
100 M. BACK				1:05.69	K.PIPES-NEILSEN	USA	2008	1:04.81	K.ANDRUS-HUGHES	USA	2007
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
1:11.34	LISA WARD	USA	2009	1:07.62	SHIZUKO HIRAISHI	JPN	2008	2:17.53	ENEY JONES	USA	2010
1:11.68	SALLY BELL	AUS	2007	1:08.02	LAURA VAL	USA	1998	2:17.81	SHANE GOULD	AUS	2008
1:11.87	VIBEKE SWANSON	USA	2007	1:08.09	MARZENA KULIS	ITA	2009	2:22.18	JACKI HIRSTY	USA	2003
1:12.69	LESLEY WILDE	GBR	2004	1:08.56	SUSANNE SIMPSON	USA	2005	2:22.48	KATHY GARNIER	USA	2010
1:12.70	LAURA VAL	USA	1997	1:08.77	ANDREA BLOCK	USA	2006	2:22.71	JENNY COOK	USA	2010
1:12.90	VALERIE JENKINS	USA	2008	200 M. FLY				2:22.85	DANIELLE OGIER	USA	2002
200 M. BACK				2:24.34	K.PIPES-NEILSEN	USA	2009	2:22.88	JEANNE CARLSEN	CAN	2008
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	4:42.37	S.HEIM-BOWEN	USA	2008
2:31.93	LISA WARD	USA	2009	2:32.38	TERESA GARCIA	ESP	2010	4:47.93	LAURA VAL	USA	2002
2:33.51	SALLY BELL	AUS	2007	2:32.59	S. PALMER-WHITE	AUS	2009	4:48.62	ENEY JONES	USA	2010
2:34.80	SUSAN WALSH	USA	2007	2:33.37	LYNN MARSHALL	CAN	2006	4:50.37	JENNY WHITELEY	AUS	2008
2:36.03	LESLEY WILDE	GBR	2004	2:34.05	ANDREA BLOCK	USA	2006	4:51.73	SHANE GOULD	AUS	2008
2:36.19	NAOKO SHIDE	JPN	2009	2:35.32	ARLENE DELMAGE	USA	2007	4:57.19	JEANNE CARLSEN	CAN	2008
2:36.79	LYNN MARSHALL	CAN	2010	2:35.38	ROBIN KLESTINEC	USA	2006	4:57.20	DENISE BROWN	USA	2009
2:38.04	PATTY LANDERS	USA	2001	2:36.47	BIRGIT LOHBERG	USA	2010	4:58.64	JENNY COOK	USA	2008
2:38.21	SHEILA STOLARSKI	USA	2009	200 M. I.M.				4:59.43	JACKI HIRSTY	USA	2003
50 M. BRST				2:27.57	K.PIPES-NEILSEN	USA	2008	5:00.54	MARGUERITE MEYER	USA	2010
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	9:48.81	S.HEIM-BOWEN	USA	2008
34.05	MARZENA KULIS	ITA	2009	2:32.46	JILL HERNANDEZ	USA	2005	9:52.55	LAURA VAL	USA	2002
34.74	MONICA CORO	ITA	2010	2:34.10	CAROLINE KRATTLI	USA	2007				



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35.79	B.BARNETT-SALLEE	USA	2006	33.55	CHARLOTTE DAVIS	USA	2010	33.67	IKUKO OKADO	JPN	2009
36.61	SATOKO TAKEUJI	JPN	2004	33.63	BETTY CALLAHAN	AUS	1985	100 M. FREE			
36.93	LYNETTE STEVENSON	AUS	2009	33.88	RUTH SHAPS	USA	2008	1:12.00	CHRISTEL SCHULZ	GER	2005
36.94	RACHEL BARTON	GBR	2008	34.83	DIANN UUSTAL	USA	2010	1:12.10	CAROLYN BOAK	USA	2010
37.06	MARIA BALLA	HUN	2004	34.83	CONNY BOER-BUYS	NED	2010	1:13.05	YOSHIKO OSAKI	JPN	2004
37.12	SILVANA ABREU	BRA	2002	34.92	RACHEL BARTON	GBR	2008	1:14.28	JEN THOMASSON	AUS	2008
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	35.18	MICHIE DOI	JPN	2004	1:15.04	SIGRID KOCH	GER	2010
37.92	DIANN UUSTAL	USA	2010	100 M. FLY				1:15.75	JACKIE MARR	USA	2008
100 M. BACK				1:17.34	JUDY WILSON	GBR	2004	1:16.84	CLARA WALKER	USA	1992
1:18.91	B.BARNETT-SALLEE	USA	2006	1:20.34	BARBARA DUNBAR	USA	2009	1:17.41	KAYE BEER	AUS	2008
1:20.43	SATOKO TAKEUJI	JPN	2002	1:21.27	BRIGITTE MERTEN	GER	2009	200 M. FREE			
1:22.07	MARGARET WILDING	GBR	2000	1:21.31	HARRIET BERGER	GER	2004	2:39.05	CAROLYN BOAK	USA	2010
1:22.28	MARGIT OHLSSON	SWE	2009	1:22.08	CHARLOTTE DAVIS	USA	2010	2:42.26	CHRISTEL SCHULZ	GER	2008
1:22.85	MARIA BALLA	HUN	2006	1:22.78	MARILYN EARP	AUS	2010	2:42.91	YOSHIKO OSAKI	JPN	2004
1:23.63	DIANN UUSTAL	USA	2010	1:24.97	CAROLYN BOAK	USA	2007	2:43.36	JEN THOMASSON	AUS	2008
1:23.96	SANDERINA KRUGER	RSA	2010	1:25.58	TERRY SUE GAULT	USA	2010	2:45.42	JACKIE MARR	USA	2008
1:24.34	RUTH SHAPS	USA	2008	1:26.13	KIRA MAKAROVA	RUS	2009	2:48.51	CLARA WALKER	USA	1992
1:24.44	LYNETTE STEVENSON	AUS	2009	1:26.62	SARAH WELCH	USA	2008	2:52.94	E.KETELSEN	DEN	2009
1:24.45	BETSY JORDAN	USA	1997	200 M. FLY				2:53.14	JANE ASHER	GBR	1996
200 M. BACK				3:05.07	BARBARA DUNBAR	USA	2009	2:53.65	JAN CROFT	AUS	2008
2:50.16	B.BARNETT-SALLEE	USA	2006	3:12.48	JUDY WILSON	GBR	2004	2:53.88	CARROL WANNELL	AUS	2008
2:58.02	SATOKO TAKEUJI	JPN	2002	3:12.52	SUSANA BARKLEY	ESP	2006	2:53.88	PAM HUTCHINGS	AUS	2002
2:59.01	BONNIE PRONK	CAN	2002	3:20.95	KIRA MAKAROVA	RUS	2010	400 M. FREE			
3:00.06	MARGIT OHLSSON	SWE	2005	3:22.22	HANNELORE ROSE	GER	2003	5:43.10	JEN THOMASSON	AUS	2008
3:01.74	MARIA BALLA	HUN	2005	3:22.94	YOSHIKO OSAKI	JPN	2002	5:46.27	YOSHIKO OSAKI	JPN	2003
3:04.66	JULIE GUNTHERP	NZL	2008	3:26.38	CAROLYN BOAK	USA	2007	5:46.65	JACKIE MARR	USA	2008
3:06.23	BETSY JORDAN	USA	1997	3:26.54	DANIELA BARNEA	USA	2005	5:54.90	LAVELLE STOINOFF	USA	1998
3:06.56	TAKAKO NAKAHARA	JPN	2009	3:27.22	MARILYN EARP	AUS	2010	6:00.59	CHRISTEL SCHULZ	GER	2006
3:07.36	DIANN UUSTAL	USA	2010	3:27.22	SILVANA ABREU	BRA	2003	6:03.43	HANNELORE ROSE	GER	2008
3:07.40	SILVANA ABREU	BRA	2002	200 M. I.M.				6:03.93	CARROL WANNELL	AUS	2008
50 M. BRST				2:52.67	CHARLOTTE DAVIS	USA	2010	6:05.22	CLARA WALKER	USA	1991
38.48	MONIKA SENFTLEBEN	GER	2002	2:58.08	BRIGITTE MERTEN	GER	2006	6:07.32	PAM HUTCHINGS	AUS	2002
39.16	BONNIE PRONK	CAN	2002	3:00.52	BONNIE PRONK	CAN	2002	6:08.60	RITSUKO SUGIMURA	JPN	2009
39.25	JAN WICKS	AUS	2006	3:00.74	CAROLYN BOAK	USA	2006	800 M. FREE			
40.93	HARRIET BERGER	GER	2004	3:00.98	KIRA MAKAROVA	RUS	2009	11:53.17	JEN THOMASSON	AUS	2008
41.12	HANNELORE ROSE	GER	2002	3:02.24	HARRIET BERGER	GER	2004	11:55.93	JACKIE MARR	USA	2008
41.16	NOBUKO YASUDA	JPN	2009	3:03.33	MARGIT OHLSSON	SWE	2006	12:06.31	YOSHIKO OSAKI	JPN	2003
41.35	ELAINE BROMWICH	GBR	2004	3:04.36	HANNELORE ROSE	GER	2003	12:09.23	CARROL WANNELL	AUS	2008
41.43	JAYNE BRUNER	USA	1998	3:05.12	CHRISTEL SCHULZ	GER	2003	12:22.54	JAN CROFT	AUS	2008
41.92	KAYAKO HIROSE	JPN	2009	3:05.90	YOSHIKO OSAKI	JPN	1999	12:23.32	LAVELLE STOINOFF	USA	1998
42.00	MEEGAN WILSON	USA	2008	400 M. I.M.				12:23.88	HANNELORE ROSE	GER	2008
100 M. BRST				6:08.99	CHARLOTTE DAVIS	USA	2010	12:27.60	CLARA WALKER	USA	1992
1:27.64	BONNIE PRONK	CAN	2002	6:22.61	BRIGITTE MERTEN	GER	2006	12:32.85	E.KETELSEN	DEN	2009
1:29.86	HARRIET BERGER	GER	2004	6:33.09	HANNELORE ROSE	GER	2002	12:37.93	PENNY WEBSTER	GBR	2008
1:29.97	HANNELORE ROSE	GER	2002	6:33.92	BARBARA DUNBAR	USA	2009	1500 M. FREE			
1:30.97	NOBUKO YASUDA	JPN	2009	6:34.22	JEN THOMASSON	AUS	2004	22:40.65	JEN THOMASSON	AUS	2008
1:31.05	MONIKA SENFTLEBEN	GER	2002	6:34.94	YOSHIKO OSAKI	JPN	2001	23:07.49	JACKIE MARR	USA	2008
1:31.41	DALE BARNHARD	USA	2008	6:36.99	JACKIE MARR	USA	2003	23:42.01	LAVELLE STOINOFF	USA	1998
1:32.18	DIANE FORD	GBR	2006	6:38.81	CAROLYN BOAK	USA	2005	23:51.75	JAN CROFT	AUS	2009
1:32.37	JOANN LEILICH	USA	1999	6:43.20	KIRA MAKAROVA	RUS	2010	23:52.54	RITSUKO SUGIMURA	JPN	2010
1:32.49	ELAINE BROMWICH	GBR	2004	6:46.13	BONNIE PRONK	CAN	2005	24:07.05	CLARA WALKER	USA	1992
1:32.69	GINGER PIERSON	USA	2008	*****				24:24.82	NORIKO YOSHIDA	JPN	2009
200 M. BRST				*****				24:31.20	PENNY WEBSTER	GBR	2007
3:14.49	BONNIE PRONK	CAN	2002	*****				24:38.81	BONNIE PRONK	CAN	2007
3:16.08	HANNELORE ROSE	GER	2003	*****				24:43.09	JANE ASHER	GBR	1996
3:18.05	HARRIET BERGER	GER	2004	*****				50 M. BACK			
3:22.24	DIANE FORD	GBR	2006	50 M. FREE				37.32	MARGIT OHLSSON	SWE	2010
3:23.14	ELAINE BROMWICH	GBR	2004	31.84	CAROLYN BOAK	USA	2010	37.38	CLARY MUNNS	AUS	2009
3:23.62	JOANN LEILICH	USA	1999	32.52	CHRISTEL SCHULZ	GER	2005	37.54	SATOKO TAKEUJI	JPN	2009
3:24.38	MASAYO AZUMA	JPN	1996	32.58	CLARY MUNNS	AUS	2009	38.17	SILVANA ABREU	BRA	2006
3:25.29	FLORA CONNOLLY	GBR	1994	33.03	KAYE BEER	AUS	2009	38.85	PAM HUTCHINGS	AUS	2002
3:25.73	YOSHIE OGASAWARA	JPN	2006	33.10	JEN THOMASSON	AUS	2008	39.48	MARIA BALLA	HUN	2009
3:27.35	INGEBORG SEIDEL	GER	2006	33.38	OLGA KREJCI	SUI	2002	39.85	CLARA WALKER	USA	1992
50 M. FLY				33.47	YOSHIKO OSAKI	JPN	2004	40.40	E.KETELSEN	DEN	2010
33.47	JUDY WILSON	GBR	2004	33.55	JAYNE BRUNER	USA	2000	40.50	MARGA BRAUN	GER	1999
				33.62	TOSHIE NODA	JPN	2009				



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40.56 BONNIE PRONK	CAN 2008	38.47 JOY WARD	USA 2007	1:21.57 CLARA WALKER	USA 1996
100 M. BACK		100 M. FLY		1:22.43 SHOKO YONEZAWA	JPN 2005
1:21.81 MARGIT OHLSSON	SWE 2010	1:26.17 CAROLYN BOAK	USA 2010	1:22.62 LOTTIE GEURTS	NED 2006
1:23.61 CLARY MUNNS	AUS 2009	1:27.73 YOSHIKO OSAKI	JPN 2003	1:22.99 NANCY BROWN	USA 2006
1:24.67 SATOKO TAKEUJI	JPN 2007	1:29.47 CLARY MUNNS	AUS 2009	200 M. FREE	
1:25.86 MARIA BALLA	HUN 2009	1:30.78 JUDY WILSON	FRA 2009	2:48.03 CHRISTEL SCHULZ	GER 2010
1:26.39 E.KETELSEN	DEN 2010	1:33.38 SILVANA ABREU	BRA 2006	2:49.80 YOSHIKO OSAKI	JPN 2008
1:26.61 BONNIE PRONK	CAN 2008	1:34.55 HANNELORE ROSE	GER 2007	2:50.27 JANE ASHER	GBR 2002
1:27.51 PAM HUTCHINGS	AUS 2002	1:34.62 HAIKE HOLER	GER 2002	2:57.28 LAVELLE STOINOFF	USA 2003
1:28.08 SILVANA ABREU	BRA 2006	1:35.57 SALLY BOLAR	USA 2004	3:00.28 HELGA REICH	GER 2006
1:29.69 PENNY STEELE	AUS 2010	1:35.74 DANIELA BARNEA	USA 2009	3:01.28 GAIL ROPER	USA 1999
1:30.23 CHRISTEL SCHULZ	GER 2005	1:35.77 HELGA REICH	GER 2003	3:03.22 PAM HUTCHINGS	AUS 2008
200 M. BACK		200 M. FLY		3:03.86 BARBARA FENTIMAN	AUS 2004
3:03.48 MARGIT OHLSSON	SWE 2010	3:21.42 CAROLYN BOAK	USA 2010	3:04.56 CLARA WALKER	USA 1996
3:06.41 BONNIE PRONK	CAN 2008	3:29.68 DANIELA BARNEA	USA 2009	3:06.67 REIKO ISHIZAKI	JPN 2008
3:08.20 SATOKO TAKEUJI	JPN 2007	3:29.68 HANNELORE ROSE	GER 2007	400 M. FREE	
3:10.55 MARIA BALLA	HUN 2009	3:31.05 YOSHIKO OSAKI	JPN 2005	5:54.97 YOSHIKO OSAKI	JPN 2008
3:10.66 CLARY MUNNS	AUS 2009	3:32.63 SILVANA ABREU	BRA 2006	6:05.25 JANE ASHER	GBR 2004
3:11.77 NORIKO YOSHIDA	JPN 2009	3:33.04 FLORA CONNOLLY	GBR 1998	6:11.92 LAVELLE STOINOFF	USA 2003
3:12.42 JACKIE MARR	USA 2009	3:33.38 HELGA REICH	GER 2002	6:22.10 HELGA REICH	GER 2006
3:13.06 E.KETELSEN	DEN 2009	3:36.25 JUNE KRAUSER	USA 1994	6:26.35 REIKO ISHIZAKI	JPN 2008
3:13.06 PAM HUTCHINGS	AUS 2002	3:43.97 GAIL ROPER	USA 1995	6:33.15 CLARA WALKER	USA 1996
3:15.85 CHRISTEL SCHULZ	GER 2007	3:44.97 CLARY MUNNS	AUS 2010	6:33.19 JUNE KRAUSER	USA 1996
50 M. BRST		200 M. I.M.		6:35.47 BARBARA FENTIMAN	GBR 2004
41.52 MONIKA SENFTLEBEN	GER 2009	3:06.10 CAROLYN BOAK	USA 2010	6:36.15 MARIA PENNA	BRA 2009
41.69 BONNIE PRONK	CAN 2007	3:08.85 CHRISTEL SCHULZ	GER 2006	6:36.25 LINDA MACPHERSON	CAN 2010
42.78 SHOKO YONEZAWA	JPN 2002	3:10.72 MARGIT OHLSSON	SWE 2010	800 M. FREE	
43.04 HANNELORE ROSE	GER 2007	3:11.94 YOSHIKO OSAKI	JPN 2003	12:13.07 YOSHIKO OSAKI	JPN 2009
43.34 NOBUKO YASUDA	JPN 2010	3:13.16 CLARY MUNNS	AUS 2009	12:32.21 JANE ASHER	GBR 2002
43.42 EDITH BOHM	GER 1994	3:13.22 JEN THOMASSON	AUS 2009	12:35.14 LAVELLE STOINOFF	USA 2004
43.46 DIANE FORD	GBR 2009	3:13.33 JACKIE MARR	USA 2008	12:59.41 HELGA REICH	GER 2006
43.57 JOANN LEILICH	USA 2005	3:13.86 HANNELORE ROSE	GER 2007	13:15.45 JUNE KRAUSER	USA 1996
43.95 DANIELA BARNEA	USA 2009	3:15.60 NOBUKO YASUDA	JPN 2010	13:16.51 REIKO ISHIZAKI	JPN 2008
44.03 ODETTE LUSIEN	FRA 1994	3:17.26 BONNIE PRONK	CAN 2008	13:25.78 MARIA PENNA	BRA 2009
44.03 ELAINE PELLIS	BEL 2001	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	13:45.99 V. JOHANSSON	SWE 2005
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	25:04.94 BARBARA FENTIMAN	AUS 2004
1:36.41 LUISE KNOPFLE	GER 2004	7:09.69 CLARA WALKER	USA 1992	25:21.24 REIKO ISHIZAKI	JPN 2009
1:37.06 MASAYO AZUMA	JPN 2002	7:13.23 CLARY MUNNS	AUS 2009	25:25.26 JUNE KRAUSER	USA 1997
1:38.12 SHOKO YONEZAWA	JPN 2000	7:13.77 BONNIE PRONK	CAN 2008	25:40.43 CLARA WALKER	USA 1996
1:38.73 ELAINE BROMWICH	GBR 2007	7:13.98 DANIELA BARNEA	USA 2009	25:49.86 MARIA PENNA	BRA 2009
1:39.07 JEN THOMASSON	AUS 2009	*****		26:17.37 HISAKO SATO	JPN 2005
200 M. BRST		*****		26:18.02 JANE OBERG	USA 2007
3:24.79 NOBUKO YASUDA	JPN 2010	*****		26:18.46 LINDA MACPHERSON	CAN 2010
3:26.88 HANNELORE ROSE	GER 2007	*****		50 M. BACK	
3:26.98 JOANN LEILICH	USA 2005	*****		40.84 PAM HUTCHINGS	AUS 2008
3:27.24 DIANE FORD	GBR 2008	*****		41.38 YOSHIKO OSAKI	JPN 2009
3:27.71 LUISE KNOPFLE	GER 2004	*****		41.77 SHOKO YONEZAWA	JPN 2009
3:28.43 MASAYO AZUMA	JPN 2001	*****		41.98 MARGARET WILDING	GBR 2009
3:28.49 BONNIE PRONK	CAN 2008	*****		42.29 DORIS STEADMAN	USA 1996
3:30.95 FLORA CONNOLLY	GBR 1998	*****		42.30 CHRISTEL SCHULZ	GER 2010
3:32.07 JEN THOMASSON	AUS 2008	*****		42.42 BETSY JORDAN	USA 2007
3:32.45 DANIELA BARNEA	USA 2009	*****		43.49 GRETHE BENDTSEN	DEN 2001
50 M. FLY		*****		43.78 V. JOHANSSON	SWE 2007
35.77 CHRISTEL SCHULZ	GER 2006	*****		43.84 JANE ASHER	GBR 2002
36.50 MICHIE DOI	JPN 2008	*****		100 M. BACK	
36.86 JUDY WILSON	FRA 2009	*****		1:32.02 CHRISTEL SCHULZ	GER 2010
37.25 GISELA PEKAREK	AUT 2009	*****		1:32.51 YOSHIKO OSAKI	JPN 2009
37.36 CLARY MUNNS	AUS 2009	*****		1:33.49 SHOKO YONEZAWA	JPN 2005
37.54 YOSHIKO OSAKI	JPN 2003	*****		1:33.61 V. JOHANSSON	SWE 2005
37.67 HARUMI SUGIMOTO	JPN 2003	*****		1:33.61 JANE ASHER	GBR 2002
38.07 HAIKE HOLER	GER 2002	*****		1:34.72 PAM HUTCHINGS	AUS 2008
38.16 SILVANA ABREU	BRA 2006	*****		1:34.84 BETSY JORDAN	USA 2007



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1:35.11	DORIS STEADMAN	USA	1995	1:46.04	HISAKO SATO	JPN	2006	3:19.07	MARGERY MEYER	USA	1997
1:36.34	GRETHE BENDTSEN	DEN	2001	1:47.67	SALLY BOLAR	USA	2009	3:19.77	JUNE KRAUSER	USA	2001
1:36.36	NANCY BROWN	USA	2006	200 M. FLY				3:20.46	BETTY RUSS	USA	2002
200 M. BACK				3:39.91	JUNE KRAUSER	USA	1996	3:22.25	MICHIKO OKUMURA	JPN	2007
3:21.23	CHRISTEL SCHULZ	GER	2010	3:44.93	HELGA REICH	GER	2007	3:22.27	RONNIE KAMPHAUSEN	USA	2009
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	6:50.97	DENISE ROBERTSON	AUS	2010
3:29.12	GRETHE BENDTSEN	DEN	2000	4:01.61	JUDIE OLIVER	CAN	2004	6:55.62	JEAN TROY	USA	2002
3:29.27	BETSY JORDAN	USA	2007	4:02.86	ENEDINA PEREIRA	BRA	2008	6:57.29	JUNE KRAUSER	USA	2001
3:29.39	PAM HUTCHINGS	AUS	2008	4:04.75	MURIEL HITCHCOCK	GBR	2008	6:59.81	URSULA FRÖHLICH	GER	2010
3:29.72	LAVELLE STOINOFF	USA	2004	4:08.36	LUCILLE GRIFFIN	USA	2008	7:04.33	LOTTIE GEURTS	NED	2010
3:29.26	NANCY BROWN	USA	2006	4:10.16	SALLY BOLAR	USA	2010	7:07.55	MICHIKO OKUMURA	JPN	2006
3:34.99	MISAO MATSUMOTO	JPN	2007	200 M. I.M.				7:09.78	LIZ WALLIS	AUS	2002
50 M. BRST				2:59.25	JANE ASHER	GBR	2002	7:11.47	GAIL ROPER	USA	2005
43.45	SHOKO YONEZAWA	JPN	2005	3:13.19	YOSHIKO OSAKI	JPN	2008	7:11.94	BRITT GRILLI	SWE	2004
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	14:07.06	DENISE ROBERTSON	AUS	2010
46.14	RUTH MULLER	GER	2006	3:32.94	GAIL ROPER	USA	1999	14:10.50	JUNE KRAUSER	USA	2001
46.37	KAZUKO KAJIWARA	JPN	2009	3:35.13	JUNE KRAUSER	USA	1996	14:16.39	JEAN TROY	USA	2003
46.51	A.OBBERGHEN	BEL	2004	3:36.77	HELGA REICH	GER	2006	14:17.45	LIZ WALLIS	AUS	2002
46.78	A.LEENE-RODAL	NZL	2003	3:37.40	MARCELA STASTNA	CZE	2007	14:22.19	URSULA FRÖHLICH	GER	2010
46.80	DIANE STOWELL	USA	2005	3:38.07	JUDIE OLIVER	CAN	2004	14:22.39	GAIL ROPER	USA	2005
46.88	MURIEL HITCHCOCK	GBR	2009	400 M. I.M.				14:32.25	MARGERY MEYER	USA	1997
100 M. BRST				6:54.93	YOSHIKO OSAKI	JPN	2008	14:35.61	MICHIKO OKUMURA	JPN	2006
1:37.72	SHOKO YONEZAWA	JPN	2007	7:25.26	JANE ASHER	GBR	2001	14:49.61	BRITT GRILLI	SWE	2004
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	27:40.67	JUNE KRAUSER	USA	2001
1:42.57	YOSHIKO OSAKI	JPN	2008	7:52.18	NANCY BROWN	USA	2006	27:43.98	MICHIKO OKUMURA	JPN	2006
1:43.86	EDITH BOEHM	GER	1999	7:53.70	NANCY MACBETH	USA	1999	27:54.35	LIZ WALLIS	AUS	2002
1:44.15	MARGIT JEBE	USA	2009	7:57.86	URSULA FRÖHLICH	GER	2005	28:24.77	GAIL ROPER	USA	2005
1:44.40	DIANE STOWELL	USA	2005	7:58.34	ANN HIRSCH	USA	2001	28:38.34	MARGERY MEYER	USA	1998
1:44.49	TAYO FUJIEDA	JPN	2009	*****				28:55.23	ANN HIRSCH	USA	2006
200 M. BRST				*****				28:56.44	BETTY LORENZI	USA	2003
3:34.32	SHOKO YONEZAWA	JPN	2005	*****				29:00.13	M. CUNNINGHAM	AUS	2002
3:36.45	LUISE KNOPFLE	GER	2009	*****				50 M. BACK			
3:38.05	MASAYO AZUMA	JPN	2006	50 M. FREE				42.06	SHOKO YONEZAWA	JPN	2010
3:39.59	JOANN LEILICH	USA	2009	34.85	JANE ASHER	GBR	2006	43.93	JANE ASHER	GBR	2006
3:42.79	TAYO FUJIEDA	JPN	2009	36.87	GAIL ROPER	USA	2005	44.43	DORIS STEADMAN	USA	1999
3:44.26	YOSHIKO OSAKI	JPN	2010	37.48	JEAN TROY	USA	2002	45.77	GRETHE BENDTSEN	DEN	2007
3:45.28	ELIANE PELLIS	BEL	2004	38.14	JOHNNIE DETRICK	USA	2010	46.17	KERSTIN GJORES	SWE	2002
3:46.18	DIANE STOWELL	USA	2004	38.28	ODETTE LUSIEN	FRA	2002	46.30	JOAN PARNELL	CAN	2004
3:48.96	INGRID LUNING	GER	2010	38.47	KERSTIN GJORES	SWE	2002	46.64	WILLIE VAN RYSEL	GBR	1991
3:49.58	SYLVIA NEUHAUSER	AUT	2002	38.57	FLORENCE CARR	USA	2001	46.68	MAE WALDIE	CAN	2010
50 M. FLY				39.06	J. DRAKE-BROCKMAN	AUS	1995	46.98	BUNNY CEDERLUND	USA	1997
37.93	CHRISTEL SCHULZ	GER	2010	39.10	OLGA JOHNSON	NZL	1996	47.35	BETTY LORENZI	USA	2002
38.65	HARUMI SUGIMOTO	JPN	2008	39.42	LOTTIE GEURTS	NED	2010	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	1:41.44	GRETHE BENDTSEN	DEN	2006
41.26	GAIL ROPER	USA	2000	1:28.14	YURIKO NAGAMATSU	JPN	2010	1:42.69	BETTY LORENZI	USA	2002
41.31	HISAKO KITAYAMA	JPN	2007	1:29.19	M. CUNNINGHAM	AUS	2001	1:42.81	JOAN PARNELL	CAN	2003
41.91	HELGA REICH	GER	2006	1:29.45	LOTTIE GEURTS	NED	2010	1:46.70	BUNNY CEDERLUND	USA	1997
43.53	SALLY BOLAR	USA	2009	1:30.16	MITSUOKO KOMURO	JPN	2005	1:46.75	MAE WALDIE	CAN	2010
100 M. FLY				1:30.31	DENISE ROBERTSON	AUS	2010	1:46.94	KERSTIN GJORES	SWE	2002
1:34.51	YOSHIKO OSAKI	JPN	2008	1:30.35	NAN BOHL	USA	2004	1:47.00	MARLENE MENDES	BRA	2008
1:40.85	JUNE KRAUSER	USA	1996	1:30.42	J.DRAKE-BROCKMAN	AUS	1996	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	3:49.73	JOAN PARNELL	CAN	2003
1:45.61	GAIL ROPER	USA	2001	3:17.42	JEAN TROY	USA	2003	3:49.80	KERSTIN GJORES	SWE	2002



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3:51.75	NANCY KINNEY	USA	2004	4:38.68	BETTY RUSS	USA	2002	7:51.67	G. MCKENZIE-HICKS	AUS	2008
3:51.79	MARLENE MENDES	BRA	2008	4:50.13	URSULA FROHLICH	GER	2010	7:51.87	DOROTHY DICKEY	AUS	2010
3:54.86	V. JOHANSSON	SWE	2010	4:54.79	MAXINE MERLINO	USA	1988	7:53.37	RITA SIMONTON	USA	1999
3:57.14	J. DRAKE-BROCKMAN	AUS	1996	200 M. I.M.				7:56.31	MARJORIE SHARPE	USA	1997
50 M. BRST				3:38.46	JANE ASHER	GBR	2006	8:01.42	BRITT GRILLI	SWE	2009
43.95	SHOKO YONEZAWA	JPN	2010	3:48.16	JUDIE OLIVER	CAN	2007	8:02.52	BETTY LORENZI	USA	2008
46.69	ELIANE PELLIS	BEL	2009	3:48.59	JUNE KRAUSER	USA	2001	800 M. FREE			
47.59	EDITH BOHM	GER	2003	3:53.65	GRETHE BENDTSEN	DEN	2006	15:12.94	JEAN TROY	USA	2007
47.89	A.VAN OBBERGHEN	BEL	2009	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
48.97	MASAYO AZUMA	JPN	2010	3:58.23	MICHIKO OKUMURA	JPN	2007	16:04.82	BRITT GRILLI	SWE	2008
49.20	A.OBBERGHEN	BEL	2010	4:01.58	MITSUKO KOMURO	JPN	2006	16:05.16	DOROTHY DICKEY	AUS	2010
49.55	I.KEUSCH-RENNER	GER	2009	4:03.80	NANCY KINNEY	USA	2004	16:05.85	RITA SIMONTON	USA	1998
50.20	ANTOINETTE RODAHL	NZL	2008	4:04.37	URSULA FROHLICH	GER	2010	16:09.92	BETTY LORENZI	USA	2008
50.65	SATOKO SUZUKI	JPN	1999	400 M. I.M.				16:21.46	G. MCKENZIE-HICKS	AUS	2008
100 M. BRST				7:39.98	JANE ASHER	GBR	2006	16:21.95	AIKO HORII	JPN	2010
1:38.81	SHOKO YONEZAWA	JPN	2010	7:51.71	JUNE KRAUSER	USA	2001	16:23.08	EDIE GRUENDER	USA	2008
1:44.28	MASAYO AZUMA	JPN	2010	8:10.16	ANN HIRSCH	USA	2006	1500 M. FREE			
1:45.78	ELIANE PELLIS	BEL	2009	8:17.70	GAIL ROPER	USA	2005	29:04.81	JEAN TROY	USA	2007
1:45.98	A.VAN OBBERGHEN	BEL	2008	8:26.53	URSULA FROHLICH	GER	2010	29:35.03	MARGERY MEYER	USA	2002
1:48.65	SYLVIA NEUHAUSER	AUT	2004	8:49.94	SYLVIA EISELE	CAN	2006	30:27.88	BETTY LORENZI	USA	2008
1:50.28	ANN HIRSCH	USA	2006	8:51.98	MICHIKO OKUMURA	JPN	2006	30:41.01	RITA SIMONTON	USA	1999
1:52.54	SATOKO SUZUKI	JPN	1999	8:59.25	LOIS NOCHMAN	USA	1999	30:46.79	DOROTHY DICKEY	AUS	2010
1:53.31	ANTOINETTE RODAHL	NZL	2008	9:04.69	JEAN TROY	USA	2003	32:09.15	MARJORIE SHARPE	USA	1997
1:54.35	EDITH BOHM	GER	2003	9:11.23	MAXINE MERLINO	USA	1987	33:00.94	JEAN DURSTON	USA	1995
1:54.47	SYLVIA EISELE	CAN	2006	*****				33:05.83	LOIS KIVI NOCHMAN	USA	2004
200 M. BRST				*****				33:06.70	EDIE GRUENDER	USA	2008
3:41.53	SHOKO YONEZAWA	JPN	2010	*****				33:28.46	MARIA LENK ZIGLER	USA	1995
3:48.19	MASAYO AZUMA	JPN	2010	*****				50 M. BACK			
3:53.56	A.VAN OBBERGHEN	BEL	2008	*****				46.39	BUNNY CEDERLUND	USA	2002
3:54.88	ELIANE PELLIS	BEL	2008	50 M. FREE				49.40	MARGERY MEYER	USA	2002
3:55.25	SYLVIA NEUHAUSER	AUT	2004	38.64	GAIL ROPER	USA	2009	49.53	BETTY LORENZI	USA	2009
3:59.30	ANN HIRSCH	USA	2006	40.45	FLORENCE CARR	USA	2005	50.08	GRETHE BENDTSEN	DEN	2010
4:07.90	JANE ASHER	GBR	2006	40.75	JEAN TROY	USA	2007	50.68	KIMIKO OOKA	JPN	2009
4:08.40	OLGA KOKORINA	RUS	1999	41.21	OLGA JOHNSON	NZL	2001	50.98	KERSTIN GJORES	SWE	2007
4:10.76	ANTOINETTE RODAHL	NZL	2008	41.31	HATSUHO SUGAYA	JPN	1994	51.41	BETTY STERN	AUS	2000
4:10.95	JUDIE OLIVER	CAN	2007	41.54	NAN BOHL	USA	2009	51.81	JOAN PARNELL	CAN	2009
50 M. FLY				42.11	M. CUNNINGHAM	AUS	2005	52.91	NANCY KINNEY	USA	2009
41.99	JANE ASHER	GBR	2006	42.14	BRITT GRILLI	SWE	2009	53.14	YOKO KOBAYASHI	JPN	2006
44.95	GAIL ROPER	USA	2004	42.29	MARGERY MEYER	USA	2002	100 M. BACK			
45.44	ODETTE LUSIEN	FRA	2002	42.64	MIEKO KAMOSHITA	JPN	2008	1:47.29	BETTY LORENZI	USA	2009
47.74	JEAN TROY	USA	2002	100 M. FREE				1:48.64	BUNNY CEDERLUND	USA	2002
47.86	LOIS NOCHMAN	USA	1999	1:27.55	GAIL ROPER	USA	2009	1:49.52	GRETHE BENDTSEN	DEN	2010
49.49	HISAKO SATO	JPN	2010	1:34.43	MITSUKO KOMURO	JPN	2010	1:54.49	KIMIKO OOKA	JPN	2009
49.92	JUNE KRAUSER	USA	2001	1:34.95	NAN BOHL	USA	2009	1:56.12	NANCY KINNEY	USA	2009
50.37	BARBARA CALLISON	USA	2008	1:35.64	JEAN TROY	USA	2007	1:56.36	KERSTIN GJORES	SWE	2009
51.27	M. CUNNINGHAM	AUS	2000	1:36.14	M. CUNNINGHAM	AUS	2007	1:58.43	JOAN PARNELL	CAN	2008
51.52	MICHIKO OKUMURA	JPN	2006	1:37.78	MARGERY MEYER	USA	2002	2:00.16	SILVIA CRAVERI	ITA	2003
100 M. FLY				1:38.17	OLGA KOKORINA	RUS	2005	2:00.39	EDITH THEIN	ISR	1998
1:47.40	JUDIE OLIVER	CAN	2007	1:39.30	UME WADA	JPN	1991	2:01.67	MARJORIE SHARPE	USA	1999
1:50.12	SYLVIA NEUHAUSER	AUT	2004	1:39.78	OLGA JOHNSON	NZL	2001	200 M. BACK			
1:50.99	JANE ASHER	GBR	2006	1:39.97	BRITT GRILLI	SWE	2009	3:53.25	BETTY LORENZI	USA	2009
1:54.14	GAIL ROPER	USA	2004	200 M. FREE				3:59.73	BUNNY CEDERLUND	USA	2002
1:56.07	JUNE KRAUSER	USA	2001	3:27.26	JEAN TROY	USA	2007	4:09.14	NANCY KINNEY	USA	2009
1:56.65	ODETTE LUSIEN	FRA	2002	3:32.12	GAIL ROPER	USA	2009	4:10.95	GRETHE BENDTSEN	DEN	2010
1:56.92	LOIS NOCHMAN	USA	1999	3:37.14	MARGERY MEYER	USA	2003	4:11.24	KIMIKO OOKA	JPN	2009
1:58.51	JEAN TROY	USA	2002	3:39.96	NAN BOHL	USA	2010	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
2:00.32	JOAN ALEXANDER	USA	2009	3:41.31	G. MCKENZIE-HICKS	AUS	2008	4:12.13	KERSTIN GJORES	SWE	2009
200 M. FLY				3:41.34	BRITT GRILLI	SWE	2009	4:16.70	DORIS STEADMAN	USA	2005
4:03.55	SYLVIA NEUHAUSER	AUT	2004	3:42.80	M. CUNNINGHAM	AUS	2005	4:19.47	REGAN KENNER	USA	2003
4:10.69	JUNE KRAUSER	USA	2001	3:44.00	UME WADA	JPN	1992	50 M. BRST			
4:17.87	GAIL ROPER	USA	2004	3:44.19	RITA SIMONTON	USA	1999	53.36	EDITH BOHM	GER	2008
4:19.81	LOIS NOCHMAN	USA	1999	400 M. FREE				53.53	OLGA KOKORINA	RUS	2005
4:21.39	JANE ASHER	GBR	2006	7:24.53	JEAN TROY	USA	2007	54.30	NAN BOHL	USA	2009
4:29.94	ANN HIRSCH	USA	2006	7:30.34	MARGERY MEYER	USA	2003	56.34	BETTY CHRISTIAN	USA	2001
4:38.45	SYLVIA EISELE	CAN	2004	7:40.93	AIKO HORII	JPN	2010	56.57	SHIZUE TOYAMA	JPN	2004
				7:42.89	M. CUNNINGHAM	AUS	2005				



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56.91 SYLVIA EISELE	USA	2009	4:33.29 LOIS KIVI NOCHMAN	USA	2006	18:24.60 MAURINE KORNFELD	USA	2008
56.99 MICHELE GUILLAIS	FRA	2001	4:34.62 CHIE TANI	JPN	2006	19:12.10 JEAN DURSTON	USA	1999
57.80 KIMIE KANAI	JPN	2004	4:39.22 GERTRUD MEERWALD	GER	2000	19:27.47 MARJORIE STONE	USA	2008
57.81 EMMI PAULI	GER	1993	4:40.75 ELSA DE LEEUW	CAN	2004	20:02.14 LOIS KIVI NOCHMAN	USA	2009
58.53 ERIKA LANGE	GER	2008	400 M. I.M.			20:11.43 MAXINE MERLINO	USA	1997
100 M. BRST			9:32.43 JEAN TROY	USA	2007	20:40.28 VAL LINCOLN	AUS	2009
1:59.30 SYLVIA NEUHAUSER	AUT	2009	9:43.23 LOIS KIVI NOCHMAN	USA	2006	20:50.44 CHIYOKO TAKIZAWA	JPN	2007
2:01.21 OLGA KOKORINA	RUS	2005	9:45.48 GERTRUD MEERWALD	GER	2000	1500 M. FREE		
2:06.17 NAN BOHL	USA	2009	10:05.13 MAXINE MERLINO	USA	1992	32:11.49 MARGERY MEYER	USA	2009
2:06.25 SYLVIA EISELE	USA	2009	10:05.95 G.SCHOBEL-GRASS	GER	2006	32:33.60 RITA SIMONTON	USA	2003
2:09.19 EMMI PAULI	GER	1993	10:08.13 JEAN DURSTON	USA	1995	36:42.40 JEAN DURSTON	USA	1999
2:10.25 GRETHE BENDTSEN	DEN	2010	10:12.77 BETTY RUSS	USA	2008	38:05.96 LOIS KIVI NOCHMAN	USA	2009
2:10.31 KIMIE KANAI	JPN	2004	10:33.43 EDIE GRUENDER	USA	2008	38:20.39 MAXINE MERLINO	USA	1997
2:10.41 GERTRUD MEERWALD	GER	2000	10:38.80 NANCY DURSTEIN	USA	2009	39:09.67 WILLY VAN RYSEL	GBR	2001
2:10.96 SAYOKO WATANABE	JPN	2007	10:42.91 Y.KAPLAN-BADER	FRA	2010	40:07.30 CHIYOKO TAKIZAWA	JPN	2007
2:11.03 M. CUNNINGHAM	AUS	2005	*****			40:33.26 VAL LINCOLN	AUS	2009
200 M. BRST			WOMEN 85-89			40:33.36 JOYCE O'FARRELL	AUS	2006
4:17.76 SYLVIA NEUHAUSER	AUT	2009	*****			40:59.00 KAY SCHIMPF	USA	2002
4:26.18 OLGA KOKORINA	RUS	2006	50 M. FREE			50 M. BACK		
4:37.64 SYLVIA EISELE	USA	2009	44.70 OLGA JOHNSON	NZL	2006	53.44 BUNNY CEDERLUND	USA	2006
4:40.09 EMMI PAULI	GER	1993	46.72 MARGERY MEYER	USA	2009	56.57 BETTY CHRISTIAN	USA	2006
4:42.28 NAN BOHL	USA	2010	48.25 OLGA KOKORINA	RUS	2010	58.34 MARGERY MEYER	USA	2008
4:42.75 GERTRUD MEERWALD	GER	2000	48.95 HISAKO KOGA	JPN	2002	58.42 AILEEN SOULE	USA	1991
4:44.59 TERUKO ONO	JPN	2008	49.08 RITA SIMONTON	USA	2003	59.06 SILVIA CRAVERI	ITA	2009
4:45.60 EIKO MORI	JPN	2007	49.43 BETTY CHRISTIAN	USA	2006	59.56 WILLY VAN RYSEL	GBR	2002
4:46.84 HILDEGARD MESSING	GER	2000	49.84 UME WADA	JPN	1996	59.85 NOEL MORROW	CAN	2005
4:51.40 BETTY CHRISTIAN	USA	2002	49.90 HATSUHO SUGAYA	JPN	1999	1:00.00 MASA SHIGEMITSU	JPN	2000
50 M. FLY			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	1:01.13 OLGA JOHNSON	NZL	2006
57.43 LOIS KIVI NOCHMAN	USA	2004	100 M. FREE			100 M. BACK		
57.90 YONE MURATA	JPN	2002	1:46.13 OLGA KOKORINA	RUS	2009	2:06.41 BUNNY CEDERLUND	USA	2006
58.33 CHIE TANI	JPN	2007	1:47.59 OLGA JOHNSON	NZL	2006	2:10.44 EDITH THEIN	ISR	2004
58.61 M. CUNNINGHAM	AUS	2005	1:48.02 MARGERY MEYER	USA	2007	2:10.46 SILVIA CRAVERI	ITA	2009
59.07 JEAN TROY	USA	2009	1:48.75 RITA SIMONTON	USA	2003	2:12.48 WILLY VAN RYSEL	GBR	2001
59.62 FLORENCE CARR	USA	2006	1:51.88 BUNNY CEDERLUND	USA	2006	2:13.13 AILEEN SOULE	USA	1991
1:00.50 GERTRUD MEERWALD	GER	2000	1:53.28 HISAKO KOGA	JPN	2002	2:15.09 MARIA LENK-ZIGLER	USA	2000
1:01.10 CAROL TAYLOR	USA	2009	1:55.46 MARJORIE SHARPE	USA	2002	2:15.30 MARJORIE SHARPE	USA	2002
1:01.41 MARIA LENK	BRA	1995	1:56.09 MASAE SHIMURA	JPN	2007	2:17.44 MASA SHIGEMITSU	JPN	2000
100 M. FLY			1:58.29 UME WADA	JPN	1996	2:17.71 MARGERY MEYER	USA	2008
2:01.54 SYLVIA NEUHAUSER	AUT	2009	1:59.18 MAXINE MERLINO	USA	1997	2:18.17 MARIE WICKLUN	USA	2000
2:06.55 LOIS KIVI NOCHMAN	USA	2004	200 M. FREE			200 M. BACK		
2:14.91 Y.KAPLAN-BADER	FRA	2008	3:56.11 MARGERY MEYER	USA	2007	4:29.16 EDITH THEIN	ISR	2003
2:21.88 GERTRUD MEERWALD	GER	2000	3:59.68 RITA SIMONTON	USA	2003	4:35.71 BUNNY CEDERLUND	USA	2006
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
2:32.72 DOROTHY WESTON	GBR	1995	4:24.17 CANDIDA GANDOLPHO	BRA	2006	4:55.59 MARIE WICKLUN	USA	2000
200 M. FLY			4:25.45 VIRGINIA KETELEER	BEL	2010	4:57.34 SILVIA CRAVERI	ITA	2009
4:22.66 SYLVIA NEUHAUSER	AUT	2009	4:26.52 UME WADA	JPN	1996	4:59.07 HIDEKO HANADA	JPN	2004
4:34.86 LOIS KIVI NOCHMAN	USA	2004	400 M. FREE			50 M. BRST		
5:11.67 Y.KAPLAN-BADER	FRA	2008	8:14.05 MARGERY MEYER	USA	2007	57.24 OLGA KOKORINA	RUS	2009
5:12.38 BETTY RUSS	USA	2008	8:17.82 RITA SIMONTON	USA	2003	1:02.92 KIMIE KANAI	JPN	2009
5:24.52 JEAN DURSTON	USA	1994	8:43.79 OLGA JOHNSON	NZL	2006	1:03.16 MICHELE GUILLAIS	FRA	2006
5:29.93 MAXINE MERLINO	USA	1992	9:08.05 MAURINE KORNFELD	USA	2007	1:06.48 BETTY CHRISTIAN	USA	2006
5:34.09 JAE HOWELL	USA	2003	9:10.43 MARJORIE SHARPE	USA	2002	1:06.72 LIS KNUTZEN	DEN	2005
5:51.81 EDIE GRUENDER	USA	2008	9:30.97 EDITH THEIN	ISR	2003	1:07.01 NORA RONAI	BRA	2009
5:55.68 THELMA BRYAN	AUS	2010	9:31.21 UME WADA	JPN	1997	1:07.23 MARJORIE STONE	USA	2008
5:59.21 NANCY DURSTEIN	USA	2009	9:32.91 JEAN DURSTON	USA	1999	1:07.88 MARIA LENK	BRA	2000
200 M. I.M.			9:36.91 MARJORIE STONE	USA	2008	1:08.28 INGEBORG FRITZE	GER	2008
4:18.33 SYLVIA NEUHAUSER	AUT	2009	9:42.42 B.BURRILL	USA	2006	1:09.85 MARTI GOGNIAT	USA	1996
4:18.72 JEAN TROY	USA	2007	800 M. FREE			100 M. BRST		
4:23.03 MITSUKO KOMURO	JPN	2010	17:09.73 MARGERY MEYER	USA	2007	2:09.75 OLGA KOKORINA	RUS	2009
4:24.08 NANCY KINNEY	USA	2009	17:14.24 RITA SIMONTON	USA	2003	2:28.48 KIMIE KANAI	JPN	2009
4:25.05 M. CUNNINGHAM	AUS	2005	17:49.83 OLGA JOHNSON	NZL	2006	2:31.14 MICHELE GUILLAIS	FRA	2006
4:25.99 GRETHE BENDTSEN	DEN	2010				2:34.86 MARTI GOGNIAT	USA	1996



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2:34.97	DOROTHY WESTON	GBR 1998	12:29.83	NORA RONAI	BRA 2010	42:30.27	WILLY VAN RYSEL	GBR 2006
2:36.19	BETTY CHRISTIAN	USA 2006	13:15.87	JEWEL COOKE	USA 1996	43:09.97	JOYCE O'FARRELL	AUS 2010
2:36.47	LIS KNUTZEN	DEN 2006	13:38.34	GERTRUDE ZINT	USA 2003	44:46.30	MAXINE MERLINO	USA 2002
2:37.13	MARJORIE STONE	USA 2009	13:49.14	KAY SCHIMPF	USA 2002	49:40.76	KIKU ONO	JPN 2007
2:39.45	MARIA LENK	BRA 2000	14:02.65	KATHERINE PELTON	USA 1990	50:26.49	JULIA DOLCE	USA 1999
2:40.37	UME WADA	JPN 1996	*****			51:19.79	KATH JOHNSTONE	NZL 2007
200 M. BRST			*****			52:23.76	KAY SCHIMPF	USA 2007
4:43.93	OLGA KOKORINA	RUS 2009	*****			52:51.69	MARY LATHRAM	USA 2005
5:23.25	BARBARA BOHM	GER 2006	*****			50 M. BACK		
5:27.60	BETTY CHRISTIAN	USA 2006	50 M. FREE			1:03.49	AILEEN SOULE	USA 1996
5:35.82	MICHIKO HAMURO	JPN 2004	54.97	HISAKO KOGA	JPN 2007	1:04.78	NOEL MORROW	CAN 2009
5:36.62	EMMI PAULI	GER 1998	55.76	AILEEN SOULE	USA 1996	1:05.08	WILLY VAN RYSEL	GBR 2006
5:38.79	UME WADA	JPN 1996	56.87	RITA SIMONTON	USA 2008	1:10.29	AUDREY ETIENNE	USA 2006
5:39.91	MARIA LENK	BRA 2000	58.80	JULIA DOLCE	USA 1999	1:12.97	JOAN GODSALL	AUS 2008
5:45.49	ALMA BRECKNOCK	AUS 2004	1:01.78	NOEL MORROW	CAN 2009	1:13.42	M.GOTTSCALK	GER 1999
5:54.39	LIS KNUTZEN	DEN 2005	1:02.28	AUDREY ETIENNE	USA 2006	1:14.49	RITA SIMONTON	USA 2010
5:56.97	INGEBORG FRITZE	GER 2007	1:02.37	JOYCE O'FARRELL	AUS 2010	1:17.62	HIDEKO HANADA	JPN 2009
50 M. FLY			1:05.14	MARIA LENK-ZIGLER	USA 2005	1:17.68	EVA MULLER	USA 2003
1:01.94	LOIS KIVI NOCHMAN	USA 2009	1:05.57	WILLY VAN RYSEL	GBR 2007	1:19.05	ANNE WALKER	USA 2006
1:06.40	YONE MURATA	JPN 2007	1:08.13	TOSHI KUBO	JPN 2006	100 M. BACK		
1:09.57	NORA RONAI	BRA 2010	100 M. FREE			2:23.23	AILEEN SOULE	USA 1996
1:11.58	JEAN DURSTON	USA 1999	2:00.12	HISAKO KOGA	JPN 2007	2:25.93	WILLY VAN RYSEL	GBR 2006
1:12.00	MARIA LENK	BRA 2000	2:03.52	RITA SIMONTON	USA 2008	2:34.29	NOEL MORROW	CAN 2009
1:13.84	MAXINE MERLINO	USA 1997	2:19.14	AUDREY ETIENNE	USA 2006	2:36.77	RITA SIMONTON	USA 2010
1:15.37	JUNE REYNOLDS	USA 2007	2:19.62	AILEEN SOULE	USA 1996	2:47.05	MARIA LENK	BRA 2005
1:18.72	JAE HOWELL	USA 2007	2:19.87	JULIA DOLCE	USA 2000	2:49.46	M.GOTTSCALK	GER 1999
1:20.00	MAURINE KORNFELD	USA 2008	2:21.27	JOYCE O'FARRELL	AUS 2010	2:51.69	MIEKO NAGAOKA	JPN 2007
1:24.61	MICHELE GUILLAIS	FRA 2006	2:30.82	MARIA LENK	USA 2005	2:53.84	JULIA DOLCE	USA 2000
100 M. FLY			2:31.17	WILLY VAN RYSEL	GBR 2006	2:58.18	AUDREY ETIENNE	USA 2006
2:23.89	LOIS KIVI NOCHMAN	USA 2009	2:34.29	NOEL MORROW	CAN 2009	2:58.20	HIDEKO HANADA	JPN 2010
2:39.43	JEAN DURSTON	USA 2000	2:35.50	MAXINE MERLINO	USA 2002	200 M. BACK		
2:45.28	DOROTHY WESTON	GBR 1998	200 M. FREE			5:17.36	WILLY VAN RYSEL	GBR 2006
2:52.47	JAE HOWELL	USA 2007	4:19.80	RITA SIMONTON	USA 2008	5:29.07	AILEEN SOULE	USA 1997
2:59.53	JUNE REYNOLDS	USA 2007	5:06.38	AUDREY ETIENNE	USA 2006	5:41.35	MARIA LENK	BRA 2005
2:59.55	MAXINE MERLINO	USA 1997	5:16.84	WILLY VAN RYSEL	GBR 2006	5:56.93	JULIA DOLCE	USA 2000
3:01.14	KATHERINE PELTON	USA 1991	5:19.36	JULIA DOLCE	USA 1999	6:15.92	MIEKO NAGAOKA	JPN 2008
3:13.12	JEWEL COOKE	USA 1996	5:21.55	AILEEN SOULE	USA 1996	6:24.72	CLARICE ARTIS	AUS 2005
3:15.98	NORA RONAI	BRA 2010	5:22.49	MAXINE MERLINO	USA 2002	6:28.70	EVA MULLER	USA 2003
3:25.00	EDITH GLUSAC	USA 2003	5:24.75	MARIA LENK	BRA 2005	6:28.71	RITA DAVOGLIO	ITA 2002
200 M. FLY			5:32.95	JOYCE O'FARRELL	AUS 2010	6:28.92	ANNE WALKER	USA 2007
5:07.64	LOIS KIVI NOCHMAN	USA 2009	5:33.03	ANNE WALKER	USA 2007	6:38.50	KIKU ONO	JPN 2008
5:49.75	JEAN DURSTON	USA 1999	5:36.74	EVA MULLER	USA 2002	50 M. BRST		
6:12.31	JAE HOWELL	USA 2007	400 M. FREE			1:25.91	MARIA LENK	BRA 2005
6:35.26	MAXINE MERLINO	USA 1998	9:04.93	RITA SIMONTON	USA 2008	1:26.57	M.GOTTSCALK	GER 1999
6:35.92	JUNE REYNOLDS	USA 2007	10:30.72	HISAKO KOGA	JPN 2009	1:30.58	BARBARA BOHM	GER 2010
7:18.41	KATHERINE PELTON	USA 1990	10:58.64	WILLY VAN RYSEL	GBR 2006	1:34.13	LIZ KNUTSEN	DEN 2010
8:02.73	ELLA PECKHAM	USA 1985	11:17.74	MAXINE MERLINO	USA 2002	1:34.55	MICHIKO HAMURO	JPN 2009
8:02.91	KALIS RASMUSSEN	CAN 2009	11:19.66	MARIA LENK	USA 2005	1:35.23	YOSHI KUCHIBA	JPN 1998
8:17.09	NORA RONAI	BRA 2010	11:26.04	JOYCE O'FARRELL	AUS 2010	1:40.45	MARION DEVITT	CAN 2009
8:20.86	ANNE POTTIER	FRA 2008	11:44.11	JULIA DOLCE	USA 1999	1:43.58	MADELEINE MILLER	USA 2000
200 M. I.M.			11:45.66	AILEEN SOULE	USA 1997	1:43.76	GERTRUD ZINT	USA 2007
5:11.92	LOIS KIVI NOCHMAN	USA 2009	12:21.16	KAY SCHIMPF	USA 2007	1:44.29	CANDIDA GANDOLPHO	BRA 2010
5:16.68	JEAN DURSTON	USA 1999	12:26.51	KIKU ONO	JPN 2007	100 M. BRST		
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	22:42.50	WILLY VAN RYSEL	GBR 2006	3:21.95	M.GOTTSCALK	GER 1999
5:39.68	MARIA LENK	BRA 2000	22:59.63	JOYCE O'FARRELL	AUS 2010	3:30.83	LIZ KNUTSEN	DEN 2010
5:40.85	JAE HOWELL	USA 2007	23:01.12	MARIA LENK	BRA 2005	3:41.36	MICHIKO HAMURO	JPN 2009
5:41.63	JUNE REYNOLDS	USA 2007	23:04.42	MAXINE MERLINO	USA 2002	3:49.99	EVA MULLER	USA 2003
5:48.87	MICHELE GUILLAIS	FRA 2006	26:04.96	KATH JOHNSTONE	NZL 2007	3:54.14	RITA SIMONTON	USA 2009
5:51.75	MICHIKO HAMURO	JPN 2004	26:48.47	KIKU ONO	JPN 2007	3:55.00	MARION DEVITT	CAN 2009
400 M. I.M.			27:28.27	KAY SCHIMPF	USA 2007	3:58.92	CANDIDA GANDOLPHO	BRA 2010
10:48.77	LOIS KIVI NOCHMAN	USA 2009	28:07.33	JULIA DOLCE	USA 2001	4:01.03	JEANNE TURGEON	CAN 2009
11:10.37	JEAN DURSTON	USA 1999	29:41.57	MARY LATHRAM	USA 2007	200 M. BRST		
11:21.06	MAXINE MERLINO	USA 1997	1500 M. FREE			6:53.97	BARBARA BOHM	GER 2010
11:56.05	JAE HOWELL	USA 2007	5:10.90	KATH JOHNSON	NZL 2010	6:57.76	MARIA LENK	USA 2005
12:16.14	KALIS RASMUSSEN	CAN 2009	36:02.20	RITA SIMONTON	USA 2008	7:45.45	MICHIKO HAMURO	JPN 2009



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8:30.18	EVA MULLER	USA	2002	6:29.99	MIEKO NAGAOKA	JPN	2010	8:24.67	ALEX KOSTICH	USA	1997
8:31.18	GERTRUD ZINT	USA	2007	7:52.01	EDITH HENDRY	USA	2007	8:29.22	NICOLAS GRANGER	FRA	1994
10:25.15	KAY SCHIMPF	USA	2007	8:49.98	BERNARDA ANGULO	ESP	2009	8:32.92	NEIL TAIT	GBR	1996
10:39.50	DEL ROWLEY	AUS	1995	50 M. BRST				8:35.91	CHIP HOBSON	USA	1994
10:51.68	KATH JOHNSTONE	NZL	2007	2:24.83	MIEKO NAGAOKA	JPN	2010	8:36.83	JEFF ERWIN	USA	1992
11:42.20	MADELEINE MILLER	USA	2000	4:20.32	ROSA SELLARES	ESP	2005	8:36.88	JOHN PEARSON	USA	1992
50 M. FLY				*****				8:37.24	FRANK WERNER	GER	1996
1:33.12	RITA SIMONTON	USA	2008	*****				8:41.27	NICKY LANGE	GER	2007
2:29.08	GERTRUD ZINT	USA	2007	*****				8:41.43	MARCUS MATTIOLI	ITA	1988
4:42.00	HILDA BUEL	USA	2006	*****				8:41.99	ERIK SCHRODER	NED	2009
4:57.25	ANNA BAUSCHER	USA	1994	*****				1500 M. FREE			
200 M. I.M.				50 M. FREE				16:13.89	ALEX KOSTICH	USA	1997
6:30.12	RITA SIMONTON	USA	2008	5:10.84	MARY MAINA	AUS	1994	16:28.63	C.HANSMANN	GER	2002
6:35.70	MAXINE MERLINO	USA	2003	100 M. FREE				16:28.69	CAMERON REID	USA	1987
12:03.55	HILDA BUEL	USA	2004	6:17.75	MARGO BATES	AUS	2010	16:31.20	JOHN CALNAN	CAN	2006
12:10.93	ANNA BAUSCHER	USA	1994	50 M. BACK				16:36.87	NICKY LANGE	GER	2009
*****				2:52.85	MARGO BATES	AUS	2010	16:38.86	JULIEN BAILLOD	SUI	2009
*****				100 M. BACK				16:42.87	JOHN PEARSON	USA	1991
*****				6:36.82	MARGO BATES	AUS	2010	16:43.36	GREGORY FUENTES	ECU	1999
*****				*****				16:43.39	RON NEUGENT	USA	1987
*****				*****				16:44.41	ERIK SCHRODER	NED	2009
*****				*****				50 M. BACK			
*****				*****				26.18	HIDEAKI AOKI	JPN	2010
*****				*****				26.58	JUNICHI MIYASHITA	JPN	2009
*****				*****				26.64	KEVIN DOAK	USA	2009
*****				*****				26.78	S.HALGASCH	GER	2009
*****				*****				27.05	NATHAN OXFORD	GBR	2010
*****				*****				27.08	STEV THELOKE	GER	2007
*****				*****				27.09	LEONARDO GOMES	BRA	2003
*****				*****				27.10	KAMIL KASPROWICZ	GER	2010
*****				*****				27.17	YUTA SHOJI	JPN	2009
*****				*****				27.18	THORSTEN HERRMANN	GER	2003
*****				*****				100 M. BACK			
*****				*****				57.00	KEVIN DOAK	USA	2008
*****				*****				57.42	IKUMI HASEGAWA	JPN	2009
*****				*****				57.45	JON WINTER	NZL	1997
*****				*****				57.69	MATTHEW BOWE	GBR	2008
*****				*****				58.00	JAMES CHADWICK	GBR	2004
*****				*****				58.24	JOHN KEPPELER	USA	1992
*****				*****				58.26	YUTA SHOJI	JPN	2009
*****				*****				58.86	YOHEI HAMAGAMI	JPN	2009
*****				*****				58.92	ROBERT HAUCK	USA	1993
*****				*****				58.97	GARETH LLEWELLYN	GBR	2004
*****				*****				200 M. BACK			
*****				*****				2:03.80	KAMIL KASPROWICZ	GER	2010
*****				*****				2:07.57	JOHN KEPPELER	USA	1992
*****				*****				2:08.23	NICOLAS GRANGER	FRA	1994
*****				*****				2:08.59	HIROSHI NISHIMURA	JPN	2001
*****				*****				2:08.65	ROBERT HAUCK	USA	1993
*****				*****				2:09.13	JEROME FAROUZE	FRA	2003
*****				*****				2:09.19	DARRYL FOLLOWS	NZL	1993
*****				*****				2:10.30	SHINYA HAYASHI	JPN	2005
*****				*****				2:10.47	TAKUMA YAMAOKA	JPN	2005
*****				*****				2:10.87	CHRISTIAN HEIN	GER	2007
*****				*****				50 M. BRST			
*****				*****				28.33	EDUARDO FISCHER	BRA	2008
*****				*****				28.63	CHRISTOPHER JONES	GBR	2007
*****				*****				28.68	JAMES PARRACK	GBR	1996
*****				*****				28.96	MITSUHIRO MARU	JPN	2007
*****				*****				28.97	NAOKI NAGURA	JPN	2009
*****				*****				28.98	SETH VAN NEERDEN	USA	1997
*****				*****				29.14	KOTARO MORITA	JPN	2009
*****				*****				29.14	CHRIS STEWART	RSA	2006
*****				*****				29.30	BASTIAN KAMPMANN	GER	2003
*****				*****				29.34	ERIC VERBERCK	ARG	2009
*****				*****				100 M. BRST			
*****				*****				1:02.44	GARY MARSHALL	USA	2008



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2010)

1:02.65 CHRISTOPHER JONES GBR 2007	4:32.19 HONZA VITAZKA USA 2002	8:46.99 JAMES MONTGOMERY USA 1986
1:03.72 MAKOTO YAMASHITA JPN 2010	4:32.45 DIRK ZINNOW GER 2000	1500 M. FREE
1:04.11 JAMES PARRACK GBR 1996	4:32.96 ALEX KOSTICH USA 1997	16:30.41 ASUKA KOIZUMI JPN 2009
1:04.18 KOTARO MORITA JPN 2009	4:34.08 CAMERON REID USA 1987	16:33.70 IGOR PIOVESAN ITA 2008
1:04.24 EDUARDO FISCHER BRA 2008	4:41.14 MARCUS MATTIOLI ITA 1988	16:35.67 SEBASTIAN WIESE GER 2003
1:04.49 SIMON LEIGHFIELD AUS 2002	4:42.34 SATOSHI TORATANI JPN 2008	16:36.06 BOBBY PATTEN USA 1993
1:04.60 DAVID LUNDBERG USA 1989	4:42.71 TODD ROBINSON USA 1992	16:38.24 JEFF ERWIN USA 1998
1:04.61 RUDY TED DE HAAN NED 2009	4:43.17 JOHN PEARSON USA 1992	16:42.28 RON NEUGENT USA 1991
1:04.67 KAMIL KASPROWICZ GER 2010	*****	16:42.60 ANDREA MARCATO ITA 2005
200 M. BRST	M E N 30-34	16:51.84 FABIEN CZACHOR FRA 2006
2:16.70 GARY MARSHALL USA 2008	*****	16:55.55 JULIEN BAILLOD SUI 2010
2:18.17 CHRISTOPHER JONES GBR 2008	50 M. FREE	17:01.28 ANDREW SAPPEY USA 1991
2:19.74 DAISUKE KIMURA JPN 2010	22.53 SABIR MUHAMMAD USA 2009	50 M. BACK
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
2:23.74 EDUARDO FISCHER BRA 2008	23.25 S.KUNZELMANN GER 2009	26.89 VIKTOR AREFYEV UKR 2005
2:24.46 COREY WELCH USA 2010	23.27 TODD PACE USA 1998	27.09 DANIEL GOIS BRA 2006
2:24.69 PETER ROSS GBR 2006	23.40 DANO HALSALL SUI 1995	27.19 TERO RATY FIN 2009
2:24.99 MICHAEL MOLONEY AUS 1994	23.49 DAMIEN CUCUMEL FRA 2004	27.26 T.TAKEMURA JPN 2007
50 M. FLY	23.52 SCOTT GREENWOOD USA 2009	27.26 SEAN MURPHY USA 1994
23.71 KOHEI KAWAMOTO USA 2008	23.53 BOTOND SOLYMOSSY IRL 2010	27.28 LEONARDO GOMES BRA 2004
24.67 CARLOS NASCIMENTO BRA 2009	23.53 DAVIDE DIAMBRI ITA 2007	27.32 TAKUMA YAMAOKA JPN 2009
24.72 RUDY TED DE HAAN NED 2009	100 M. FREE	27.32 DIX OZIER USA 1988
24.75 ERIK TOLMACHOFF USA 2009	50.84 S.KUNZELMANN GER 2009	100 M. BACK
24.88 JON WINTER NZL 1998	51.06 ADAM PINE AUS 2009	57.24 MARTIN HARRIS GBR 2000
24.89 DAISUKE ABE JPN 2008	51.24 P.KUTSCHER GER 2009	57.46 R.FLOREA ROM 2010
24.92 DANIEL BELINI BRA 2009	51.34 HIDEAKI HARA JPN 2008	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	52.36 MARK NOETZEL USA 1995	59.46 OLIVER SCHMICH AUT 2009
54.95 CARLOS NASCIMENTO BRA 2009	200 M. FREE	59.77 C.SORRENTINO ITA 2007
55.16 KEI NAKASHIMA JPN 2009	1:53.15 DANIEL KOWALSKI AUS 2009	200 M. BACK
55.34 DANIEL BELINI BRA 2009	1:53.33 JACOB CARSTENSEN DEN 2010	2:02.75 ROGERIO ROMERO BRA 2000
55.35 HONZA VITAZKA USA 2002	1:53.46 TAMAS KEREKJARTO USA 2009	2:04.43 R.FLOREA ROM 2010
55.69 JASON EADDY USA 2004	1:54.33 JOSH DAVIS USA 2006	2:05.62 SEAN MURPHY USA 1994
56.00 YUSUKE ISHIGURO JPN 2004	1:55.28 ROWDY GAINES USA 1991	2:06.30 MARTIN HARRIS GBR 2000
56.11 MATT HAUPT USA 2005	1:55.41 LACHLAN MCDOWELL AUS 2009	2:08.11 MARK VOGEL DEN 2000
56.30 HISASHI FUKUDA JPN 2010	1:55.48 JAMES MONTGOMERY USA 1986	2:08.21 ROSTISLAV VITEK CZE 2009
200 M. FLY	1:55.60 I.GHERGHEL ROM 2010	2:09.47 JEROME FAROUZE FRA 2006
2:03.26 SATOSHI TORATANI JPN 2008	1:55.71 JOCHEN BRUHA GER 2002	2:09.81 LEONARDO GOMES BRA 2006
2:04.14 KIMITAKA MINOBE JPN 2003	1:56.13 R.MONASTERIO VEN 2010	2:09.84 JAY YARID USA 1993
2:05.26 PHILIPP GILGEN SUI 2003	400 M. FREE	2:09.93 NICOLAS GRANGER FRA 2000
2:05.76 JASON EADDY USA 2002	3:58.42 DANIEL KOWALSKI AUS 2009	50 M. BRST
2:06.46 ANATOLIY POLYAKOV RUS 2009	4:00.33 R.MONASTERIO VEN 2010	28.59 CARLOS ALENCAR BRA 2009
2:06.53 MARCUS MATTIOLI ITA 1988	4:05.01 ROSTISLAV VITEK CZE 2009	28.63 OLEG LISOGOR UKR 2010
2:07.14 HONZA VITAZKA USA 2002	4:05.19 CARLOS PAVAO BRA 2007	28.86 RYOSUKE IMAI JPN 2009
2:07.54 MATT HAUPT USA 2005	4:05.61 ERIK HOCHSTEIN USA 2002	29.01 JEFF COMMINGS USA 2006
2:07.56 KARNEY MCNEAR USA 1998	4:07.04 ROWDY GAINES USA 1994	29.15 BRIAN JACOBSON USA 2005
2:07.85 LOIC LEROY FRA 2006	4:08.53 SEBASTIAN WIESE GER 2003	29.19 BASTIAN KAMPMANN GER 2010
200 M. I.M.	4:08.70 JAMES MONTGOMERY USA 1986	29.30 TIMO NOLTE GER 2006
2:05.98 KAMIL KASPROWICZ GER 2010	4:10.14 IGOR PIOVESAN ITA 2008	29.36 JORG FARBER GER 2009
2:06.33 HONZA VITAZKA USA 2002	4:10.66 ANDREA MARCATO ITA 2004	29.38 MASAHIKO KUBOTA JPN 2009
2:06.45 YUTA SHOJI JPN 2009	800 M. FREE	29.38 RYUTARO MORITA JPN 2009
2:07.00 NICOLAS GRANGER FRA 1994	8:16.52 R.MONASTERIO VEN 2010	29.38 HIDEAKI TOGO JPN 2003
2:09.21 CAMERON REID USA 1987	8:18.76 DANIEL KOWALSKI AUS 2009	100 M. BRST
2:10.44 KAZUYA KUROSU JPN 2003	8:26.26 CARLOS PAVAO BRA 2007	1:04.53 RYOSUKE IMAI JPN 2009
2:10.50 MATTHEW CHAPPEL GBR 2004	8:27.41 ROSTISLAV VITEK CZE 2009	1:04.91 JACOB CARSTENSEN DEN 2010
2:10.70 CHRISTOPHER JONES GBR 2007	8:35.16 IGOR PIOVESAN ITA 2008	1:05.02 NICK GILLINGHAM GBR 1999
2:10.70 ROLAND LEE GBR 1992	8:40.19 ROWDY GAINES USA 1994	1:05.10 JEFF COMMINGS USA 2007
2:10.72 NILS FRESE GER 2010	8:40.78 ANDREA MARCATO ITA 2004	1:05.13 UMBERTO RAMELLI ITA 2009
400 M. I.M.	8:42.96 NICKY LANGE GER 2010	1:05.15 BASTIAN KAMPMANN GER 2010
4:30.05 DIOGO YABE BRA 2009	8:45.26 SEBASTIAN WIESE GER 2004	1:05.17 TUDOR IGNAT ROM 2010
4:31.47 NICOLAS GRANGER FRA 1994		1:05.24 CARLOS ALENCAR BRA 2009



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1:05.64	SETH VAN NEERDEN	USA	1998	4:43.93	PETR KOLLROS	TCH	1988	16:50.83	ERIK HOCHSTEIN	USA	2003
1:05.65	DAVID LUNDBERG	USA	1991					16:59.46	DANIEL VEATCH	USA	2001
200 M. BRST				*****				17:06.10	OLIVIER VAHE	FRA	2009
2:20.43	NICK GILLINGHAM	GBR	1999		M E N 35-39			17:08.23	MICHAEL KLEIBER	GER	2001
2:21.25	HIROYUKI KOSAKA	JPN	2009	*****				17:10.80	CHRISTOPHER BLACK	USA	2003
2:21.28	TOMASZ DUSZYNSKI	POL	2008		50 M. FREE			50 M. BACK			
2:22.62	KAZUYA KOIKE	JPN	2009	22.76	MARK FOSTER	GBR	2005	27.03	EDILSON SILVA	USA	2009
2:22.77	JACOB CARSTENSEN	DEN	2010	23.20	ROWDY GAINES	JPN	1994	27.11	LEONARDO GOMES	BRA	2009
2:22.88	SIMONE BATTISTON	ITA	2009	23.28	M.GIALDI	ITA	2004	27.21	OSAMU ITOI	JPN	2009
2:24.06	DAVID LUNDBERG	USA	1991	23.53	SVEN GUSKE	GER	2009	27.50	MICHAEL ROSS	USA	2004
2:24.49	VALERYS KALMIKOV	LAT	2006	23.59	STEFAN VOLERY	SUI	1996	27.60	J CLAY BRITT	USA	1999
2:24.84	TIMOTHY CARLSON	USA	2009	23.60	FELIPE DELGADO	USA	2009	27.63	C.SORRENTINO	ITA	2009
2:25.94	RODRIGO BARDI	BRA	2009	23.76	SVEN LODZIEWSKI	GER	2004	27.68	RICK GOULD	USA	2006
50 M. FLY				23.77	TODD ROBINSON	AUS	2009	27.73	DEREK ROBINSON	USA	2004
24.61	ADAM PINE	AUS	2009	23.79	JANNE VIRTANEN	FIN	2001	27.90	VLADIMIR SELKOV	RUS	2009
24.73	OSWALDO QUEVEDO	USA	2006	23.81	LEONARDO GOMES	BRA	2009	28.04	ERIC ERICSON	USA	2000
24.91	GARY HALL	USA	2005	23.81	TIMO NOLTE	GER	2008	100 M. BACK			
25.02	ALEXANDER KAHL	GER	2007	100 M. FREE				59.18	MICHAEL ROSS	USA	2006
25.11	I.GHERGHEL	ROM	2010	50.78	HIDEAKI HARA	JPN	2009	59.50	OSAMU ITOI	JPN	2009
25.16	BRIAN ALDERMAN	USA	2000	51.49	ROWDY GAINES	USA	1995	59.91	ERIC ERICSON	USA	2000
25.24	CURTIS SAWIN	USA	2002	51.98	SVEN LODZIEWSKI	GER	2004	1:00.00	RICK GOULD	USA	2006
25.25	TAKESHI DANNO	JPN	2000	52.15	RICHARD SAEGER	USA	2001	1:00.13	J CLAY BRITT	USA	1999
25.26	DAN WEGNER	USA	2002	52.22	VLAD PYSHNENKO	USA	2006	1:00.29	RICHARD SAEGER	USA	2001
25.31	MIKE BOTTOM	USA	1988	52.23	MICHAEL ROSS	USA	2004	1:00.34	MARK VOGEL	DEN	2009
100 M. FLY				52.27	TODD ROBINSON	AUS	2009	1:00.44	RONALD KARNAUGH	USA	2003
53.11	ADAM PINE	AUS	2009	52.68	R.LOCOCIOLO	ITA	2009	1:00.51	DEREK ROBINSON	USA	2004
54.19	I.GHERGHEL	ROM	2010	52.93	JOCHEN BRUHA	GER	2004	1:00.67	JEFF COMMINGS	USA	2009
55.01	TAMAS KEREKJARTO	USA	2009	53.01	ISAMU TSUZUKI	JPN	2009	200 M. BACK			
55.39	HIROKI NAKAZONO	JPN	2009	200 M. FREE				2:07.16	RON KARNAUGH	USA	2001
55.67	MATT HAUPT	USA	2010	1:52.84	VLAD PYSHNENKO	USA	2006	2:09.26	DANIEL VEATCH	USA	2000
56.25	RAZVAN PETCU	USA	2004	1:54.86	RICHARD SAEGER	USA	2001	2:09.65	DARRYL FOLLOWS	NZL	2002
56.49	ROBERTO FIUZA N	BRA	1999	1:55.36	ROWDY GAINES	JPN	1994	2:10.38	NICHOLAS GRANGER	FRA	2002
56.62	OSWALDO QUEVEDO	USA	2006	1:55.62	MICHAEL ROSS	USA	2006	2:10.59	RICK GOULD	USA	2006
56.64	MIKE BOTTOM	USA	1988	1:55.68	JOCHEN BRUHA	GER	2004	2:12.18	DEREK GUFFEY	USA	2009
56.67	HIROYUKI KOSAKA	JPN	2009	1:56.02	RONALD KARNAUGH	USA	2003	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	1:57.85	NICHOLAS GRANGER	FRA	2002	2:13.56	CHRIS JONES	GBR	2007
2:03.76	MATT HAUPT	USA	2010	1:57.89	BERNIE ZERUHN	USA	2006	2:13.83	THOMAS WOLF	USA	1990
2:03.85	BOBBY PATTEN	USA	1995	1:57.95	DAN STEPHENSON	USA	1992	50 M. BRST			
2:06.79	ASUKA KOIZUMI	JPN	2009	400 M. FREE				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
2:08.25	TAMAS KEREKJARTO	USA	2010	4:10.54	IGOR PIOVESAN	ITA	2009	29.40	GERALD MORKEN	GER	1996
2:08.88	KIMITAKA MINOBE	JPN	2007	4:12.48	CHRIS FYDLER	AUS	2009	29.57	PETTERI LEHTINEN	FIN	2009
2:09.37	SEAN MURPHY	USA	1994	4:12.56	ANDREA MARCATO	ITA	2009	29.64	ANDREA AGOSTINONE	ITA	2006
200 M. I.M.				4:14.52	DANIEL SERRA	ESP	2007	29.65	YASUHIRO KOMORI	JPN	2009
2:05.52	ISTVAN BATHAZI	USA	2009	4:14.65	CHRISTOPHER DERKS	USA	2008	29.66	ROB BUTCHER	USA	2009
2:05.60	TAMAS KEREKJARTO	USA	2010	4:15.39	OLIVIER VAHE	FRA	2009	29.70	TAKASHI HIRAKAWA	JPN	2009
2:07.38	JACOB CARSTENSEN	DEN	2010	4:15.49	DAN STEPHENSON	USA	1992	100 M. BRST			
2:07.97	KOSUKE KOJIMA	USA	2009	800 M. FREE				1:04.73	NICK GILLINGHAM	GBR	2004
2:08.89	NICOLAS GRANGER	FRA	2000	8:38.73	ROWDY GAINES	USA	1996	1:05.00	WALLY DICKS	USA	2000
2:09.34	C.SORRENTINO	ITA	2008	8:39.37	ANDREA MARCATO	ITA	2009	1:05.07	ALBERTO MONTINI	ITA	2004
2:09.69	DAVID LUNDBERG	USA	1991	8:39.49	IGOR PIOVESAN	ITA	2009	1:05.38	VLADISLAV BRAGIN	RUS	2010
2:09.70	JOSH DAVIS	USA	2006	8:41.16	DANIEL VERDAGUER	ESP	2006	1:05.62	STEVE WEST	USA	2010
2:09.77	ASUKA KOIZUMI	JPN	2009	8:46.26	JIMMY FURRER	SUI	1996	1:05.63	RONALD KARNAUGH	USA	2003
2:09.86	RON KARNAUGH	USA	1996	8:49.89	ALEJANDRO MORENO	MEX	2004	1:05.67	DAVID GUTHRIE	USA	1995
400 M. I.M.				8:50.51	RICHARD STANNARD	GBR	2009	1:05.70	JEFF COMMINGS	USA	2009
4:35.41	ASUKA KOIZUMI	JPN	2010	8:52.22	DAN STEPHENSON	USA	1992	1:05.95	ROB BUTCHER	USA	2009
4:38.36	C.SORRENTINO	ITA	2008	8:52.46	CHRISTOPHER DERKS	USA	2008	1:06.46	TIMO NOLTE	GER	2010
4:39.92	NICOLAS GRANGER	FRA	2000	8:53.63	OLIVIER VAHE	FRA	2010	200 M. BRST			
4:40.22	SEAN MURPHY	USA	1994	1500 M. FREE				2:20.29	NICK GILLINGHAM	GBR	2004
4:40.44	DAVID LUNDBERG	USA	1992	16:32.72	CHRISTOPHER DERKS	USA	2008	2:21.87	RON KARNAUGH	USA	2001
4:40.91	HIROYUKI KOSAKA	JPN	2009	16:36.50	ANDREA MARCATO	ITA	2009	2:24.26	ALBERTO MONTINI	ITA	2004
4:41.30	THOMAS FRISTOE	USA	1993	16:37.34	ROWDY GAINES	USA	1995	2:24.37	DAVID GUTHRIE	USA	1995
4:43.53	RAPHAEL VIEIRA	BRA	2007	16:40.90	IGOR PIOVESAN	ITA	2009	2:26.05	WALLY DICKS	USA	2000
4:43.83	ROQUE SANTOS	USA	2001	16:45.04	MIKE SHAFFER	USA	2002	2:27.55	ROQUE SANTOS	USA	2006



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2:27.59	SIMONE BATTISTON	ITA	2010	24.12	TOMMY RUNDGREN	FIN	2009	27.95	CHRIS STEVENSON	USA	2008
2:27.78	VLADISLAV BRAGIN	RUS	2009	24.14	DAVID BOATWRIGHT	USA	2003	28.08	TOM STACHEWICZ	AUS	2008
2:28.00	RAFFAELE NOTTE	ITA	2009	24.24	ERIK HOCHSTEIN	USA	2008	28.26	GIUSEPPE TIANO	ITA	2009
2:29.20	P.MORENO	COL	1996	24.25	BRENT BARNES	JPN	1998	28.48	Y.NAKAHARA	JPN	2010
50 M. FLY				24.30	VLAD PYSHNENKO	USA	2010	28.51	BRAD COOPER	AUS	1994
24.75	MARK FOSTER	GBR	2005	24.31	MICHAEL ROSS	USA	2008	28.53	RICH SAEGER	USA	2006
25.00	WADE KING	USA	2002	24.36	JANNE VIRTANEN	FIN	2004	28.59	SEAN MURPHY	USA	2006
25.10	LEONARDO GOMES	BRA	2009	24.37	SCHUYLER SMITH	USA	2008	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
25.49	MICHAEL ROSS	USA	2004	52.42	MICHAEL ROSS	USA	2009	1:00.64	RICH SAEGER	USA	2006
25.52	SVEN GUSKE	GER	2009	53.19	STEFAN OPATRIL	AUT	2009	1:00.91	CLAY BRITT	USA	2002
25.60	MASATERU IKEDA	JPN	2010	53.31	TOMMY RUNDGREN	FIN	2009	1:00.95	SEAN MURPHY	USA	2006
25.62	TYLER JOURDONNAIS	USA	2000	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
55.84	EIJI NOMURA	JPN	2009	53.69	CYRO DELGADO	BRA	2002	1:01.83	Y.NAKAHARA	JPN	2010
56.07	MICHAEL ROSS	USA	2004	53.78	JACK GROSELLE	USA	1998	1:02.08	MARK VOGEL	DEN	2010
56.08	HIDEAKI HARA	JPN	2010	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			
2:08.51	WILLIAM SPECHT	USA	1994	400 M. FREE				28.84	ALBERTO MONTINI	ITA	2009
2:08.65	MIKE SHAFFER	USA	2002	4:06.74	ERIK HOCHSTEIN	USA	2009	29.56	YOZO FUJIII	JPN	2009
2:09.03	PHILIPPE MEYER	SUI	2006	4:11.55	DENNIS BAKER	USA	2004	29.86	MAKOTO ONODERA	JPN	2009
2:09.10	FRANK WATTLES	USA	2007	4:13.65	MARK THOMPSON	AUS	2009	29.98	RICO ROLLI	ITA	2009
2:09.18	JAMES BELARDI	USA	1992	4:13.82	JURE BUCAR	SLO	2006	30.16	ROBERTO DOBIE	ARG	2009
2:09.36	DENNIS BAKER	USA	2000	4:14.37	MICHAEL PRUFERT	GER	2006	30.41	JAMES CORBEAU	USA	2008
2:09.77	HENRY CLARK	USA	2002	4:14.54	PAUL LEMMON	AUS	2009	30.48	ALESSANDRO VISINI	ITA	2009
2:09.87	EIJI NOMURA	JPN	2009	4:15.57	BRETT PHILLIPS	USA	2001	30.51	GERHARD AMMER	GER	2000
200 M. I.M.				4:15.71	MICHAEL KLEIBER	GER	2004	30.52	JENS LUTSCHIN	GER	2008
2:05.64	RONALD KARNAUGH	USA	2003	4:15.78	KAI DITZEL	GER	2004	30.52	MARCO BOBBIO	ITA	2004
2:11.23	NICOLAS GRANGER	FRA	2002	4:15.86	JOSEPH RHYNE	USA	1999	100 M. BRST			
2:12.25	R.LOCOCIOLO	ITA	2010	800 M. FREE				1:05.04	ALBERTO MONTINI	ITA	2009
2:13.02	JEROME FRENTSOS	USA	2000	8:37.81	ALEX KOSTICH	USA	2010	1:05.97	RICO ROLLI	ITA	2009
2:13.27	ALBERTO MONTINI	ITA	2007	8:41.65	JEFF ERWIN	USA	2005	1:06.16	YOZO FUJIII	JPN	2009
2:13.99	EDWIN VAN NORDEN	NED	2001	8:44.89	DANIEL SERRA	ESP	2008	1:06.60	MAKOTO ONODERA	JPN	2009
2:14.01	HIDEAKI HARA	JPN	2010	8:46.51	MICHAEL KLEIBER	GER	2005	1:06.90	HAJIME MORIMOTO	JPN	2009
2:14.46	ISAMU TSUZUKI	JPN	2009	8:46.61	MICHAEL PRUFERT	GER	2005	1:07.91	FABIO MARUSSIG	ITA	2010
2:14.67	JOHN MUNRO	NZL	2008	8:48.69	JOSEPH RHYNE	USA	1999	1:08.01	DAVID GUTHRIE	USA	2000
2:14.87	DEREK GUFFEY	USA	2009	8:51.45	STUART CROMARTY	USA	2004	1:08.17	MATTHEW WRIGHT	AUS	2009
400 M. I.M.				8:53.61	PAUL LEMMON	AUS	2009	1:08.21	HOWARD SEIDMAN	USA	2006
4:34.10	RON KARNAUGH	USA	2001	8:54.03	DINO SCHORN	ITA	2009	1:08.28	MICHAEL RUFFNER	USA	2005
4:42.45	NICOLAS GRANGER	FRA	2002	8:55.17	TIMOTHY GALLAUDET	USA	2008	200 M. BRST			
4:43.17	JEROME FRENTSOS	USA	2000	1500 M. FREE				2:18.94	ALBERTO MONTINI	ITA	2009
4:45.47	DEREK GUFFEY	USA	2009	16:36.91	ALEX KOSTICH	USA	2010	2:24.19	ROQUE SANTOS	USA	2008
4:45.98	SANDRO TOMAS	CRO	2008	16:39.60	JEFF ERWIN	USA	2008	2:27.83	WOLFGANG RABER	AUT	2010
4:46.79	DARIUSZ WOLNY	POL	1998	16:45.53	MICHAEL KLEIBER	GER	2003	2:28.54	DAVID GUTHRIE	USA	2000
4:48.38	ROQUE SANTOS	USA	2006	16:48.68	TIMOTHY GALLAUDET	USA	2008	2:29.66	MAKOTO ONODERA	JPN	2010
4:49.90	A.TIBERTI	ITA	2001	16:54.95	MICHAEL PRUFERT	GER	2006	2:29.77	RON SCHAFFER	USA	1998
4:50.07	YOSHINORI IWASAKI	JPN	2010	16:58.52	HESS YNTEMA	USA	1995	2:29.99	TIMOUR PODMARER	RUS	1998
4:50.18	SERGEY FESENKO	UKR	1994	17:01.24	MARCO TENDERINI	ITA	2009	2:31.53	V.PYLYPCHENKO	UKR	2006
*****				17:05.53	JOSEPH RHYNE	USA	1999	2:31.76	JIM TUCHLER	USA	2009
M E N 40-44				17:09.14	MIKE SHAFFER	USA	2009	2:32.17	RICK COLELLA	USA	1992
*****				17:13.14	JEFFREY UTSCH	USA	2008	50 M. FLY			
50 M. FREE				50 M. BACK				25.57	MICHAEL ROSS	USA	2009
23.30	STEPHAN VOLERY	SUI	2001	27.38	EDILSON SILVA	BRA	2010	25.73	JAN KARLSSON	SWE	2010
23.86	M.GIALDI	ITA	2008	27.47	MICHAEL ROSS	USA	2008	25.73	STEVE HILTABIDDLE	USA	2009
				27.88	CLAY BRITT	USA	2002	25.87	PAUL SMITH	USA	2000



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25.90	HARTMUT BERNER	GER	2005	53.90	JACK GROSELLE	USA	1999	1:00.55	CHRIS STEVENSON	USA	2009
25.96	JOHN CUNNINGHAM	IRL	2010	54.15	PAUL SMITH	USA	2008	1:02.07	J CLAY BRITT	USA	2006
26.01	ROBERTO TARRICONE	ITA	2004	54.22	JAMES MONTGOMERY	USA	2002	1:02.62	FRITZ LEHMAN	USA	2003
26.12	KIP FULBECK	USA	2009	54.79	KEITH SWITZER	USA	2009	1:02.79	JAY YARID	USA	2008
26.20	RICO ROLLI	ITA	2009	54.83	DAVID BOATWRIGHT	USA	2006	1:02.92	MARCO COLOMBO	ITA	2005
26.29	GABRIELE MAINI	POL	2007	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
56.43	MICHAEL ROSS	USA	2008	55.33	PIERRE BLANC	FRA	2010	1:03.19	TAIHEI SAKA	JPN	2009
57.57	PAUL CARTER	USA	2001	55.35	PAUL CARTER	USA	2002	1:03.50	ANDE RASMUSSEN	USA	2008
57.62	HENRY CLARK	USA	2005	200 M. FREE				200 M. BACK			
57.67	ALBERTO MONTINI	ITA	2009	1:57.89	KEITH SWITZER	USA	2009	2:16.78	TAIHEI SAKA	JPN	2009
57.79	WILLIAM SPECHT	USA	1999	1:59.34	DENNIS BAKER	USA	2009	2:17.40	MICHAEL SODERLUND	USA	2010
57.97	DENNIS BAKER	USA	2004	1:59.37	KAI DITZEL	GER	2008	2:17.81	CHRIS STEVENSON	USA	2010
58.10	ANDREA TOJA	ITA	2009	1:59.56	MARCUS MATTIOLI	BRA	2006	2:18.25	LEN GUSHE	CAN	2008
58.18	STEVE HILTABIDDLE	USA	2008	1:59.60	MARCO COLOMBO	ITA	2007	2:18.44	STEVE WOOD	USA	2008
58.29	CHRIS STEVENSON	USA	2008	2:00.44	PAUL SMITH	USA	2006	2:18.61	WIESLAW MUSIAL	CAN	2003
58.31	MICHAEL SORENSEN	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	2:19.14	SCOTT SHAKE	USA	2005
2:10.20	MIKE SHAFFER	USA	2006	400 M. FREE				50 M. BRST			
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	29.76	RICO ROLLI	ITA	2010
2:12.43	HESS YNTEMA	USA	1996	4:14.81	MARCUS MATTIOLI	BRA	2006	29.90	JENS LUTSCHIN	GER	2009
2:12.66	JOSEPH RHYNE	USA	1999	4:16.20	MICHAEL PRUFERT	GER	2009	30.27	RICHARD SCHROEDER	USA	2006
2:13.50	MARK MAGEE	USA	2009	4:18.78	MICHAEL KLEIBER	GER	2009	30.41	GLEN CHRISTIANSEN	SWE	2002
2:13.65	A.LAVEGLIA	ITA	2008	4:18.93	JEFF ERWIN	USA	2009	30.49	V.PYLYPCHENKO	UKR	2009
2:14.17	TAIHEI SAKA	JPN	2008	4:20.23	DANIEL MACHEK	CZE	2006	30.55	FABIO SERVADIO	ITA	2009
200 M. I.M.				4:21.13	DAN STEPHENSON	USA	2002	30.59	DAVID GUTHRIE	USA	2008
2:10.63	ALBERTO MONTINI	ITA	2009	4:21.16	JIM MCCONICA	USA	1999	30.79	RICHARD LOCKHART	NZL	2008
2:12.41	PETER BERMEL	GER	2007	4:21.26	CHRIS STEVENSON	USA	2009	30.98	JAMES CORBEAU	USA	2009
2:12.73	UWE VOLK	GER	2010	800 M. FREE				100 M. BRST			
2:14.13	ERIK HOCHSTEIN	USA	2009	8:42.85	MARCUS MATTIOLI	BRA	2006	1:06.35	V.PYLYPCHENKO	UKR	2009
2:14.39	LORENZO BENUCCI	USA	2007	8:50.06	MICHAEL KLEIBER	GER	2009	1:06.67	RICO ROLLI	ITA	2010
2:15.10	JENS-PETER BERNDT	USA	2004	8:51.98	JEFF ERWIN	USA	2010	1:07.38	DAVID GUTHRIE	USA	2008
2:15.53	JAMES SORENSEN	USA	1998	8:52.20	MICHAEL PRUFERT	GER	2009	1:08.56	V.ZAGREBENKO	RUS	2009
2:15.75	MICHAEL ROSS	USA	2009	8:58.50	RICARDO VALDIVIA	USA	2009	1:08.91	THOMAS LIGL	GER	2009
2:15.78	DEKE BOTSFORD	CAN	2010	8:58.84	JIM MCCONICA	USA	1999	1:08.92	RICHARD SCHROEDER	USA	2006
2:16.07	JIM TUCHLER	USA	2009	9:03.54	DANIEL MACHEK	CZE	2004	1:09.03	JON BLANK	USA	2009
400 M. I.M.				9:07.99	GEORGE TIDMARSH	USA	2006	1:09.08	JAMES CORBEAU	USA	2009
4:47.01	PETER BERMEL	GER	2007	9:08.34	MARK DRENNEN	USA	2004	1:09.09	WALLY DICKS	USA	2009
4:48.98	ALBERTO MONTINI	ITA	2008	9:10.06	CALUM MCKINLAY	GBR	2009	1:09.19	JENS LUTSCHIN	GER	2009
4:49.42	DENNIS BAKER	USA	2005	1500 M. FREE				200 M. BRST			
4:49.62	DARIUSZ WOLNY	POL	2000	16:38.81	JEFF ERWIN	USA	2009	2:24.91	V.PYLYPCHENKO	UKR	2009
4:50.74	GUNTER GOTTFRIED	GER	2000	16:57.17	RICARDO VALDIVIA	USA	2009	2:27.79	DAVID GUTHRIE	USA	2008
4:50.97	LORENZO BENUCCI	USA	2007	16:58.68	MICHAEL KLEIBER	GER	2009	2:33.74	THOMAS LIGL	GER	2006
4:51.28	ALEJANDRO MORENO	MEX	2010	17:10.90	GEORGE TIDMARSH	USA	2005	2:34.32	TIMUR PODMAREV	RUS	2006
4:53.03	HESS YNTEMA	USA	1995	17:11.41	MICHAEL PRUFERT	GER	2009	2:35.11	GLEN CHRISTIANSEN	SWE	2002
4:53.24	JENS-PETER BERNDT	ITA	2004	17:12.28	MARCUS MATTIOLI	BRA	2008	2:36.17	RICHARD LOCKHART	NZL	2008
4:53.39	A.TIBERTI	ITA	2004	17:23.73	CALUM MCKINLAY	GBR	2009	2:36.36	JON BLANK	USA	2006
*****				17:28.77	BOBBY PATTEN	USA	2009	2:36.77	YASUO NARUSHIMA	JPN	2009
M E N 45-49				17:28.80	B.BORDONALI	ITA	2007	2:37.17	EDWIN VAN NORDEN	NED	2009
*****				17:31.23	TODD BRYAN	USA	1998	2:37.81	RON SCHAFFER	USA	2002
50 M. FREE				50 M. BACK				50 M. FLY			
24.26	BRENT BARNES	JPN	2004	28.05	STEVE WOOD	USA	2008	25.90	PAUL SMITH	USA	2006
24.29	PAUL SMITH	USA	2006	28.14	ANDE RASMUSSEN	USA	2008	26.03	ANDE RASMUSSEN	USA	2008
24.40	STEVE WOOD	USA	2008	28.32	J CLAY BRITT	USA	2008	26.12	PAUL CARTER	USA	2002
24.50	ANDREA NICOLAO	ITA	2009	28.44	CHRIS STEVENSON	USA	2009	26.54	ANDREA NICOLAO	ITA	2009
24.50	ANDE RASMUSSEN	USA	2008	28.77	JAY YARID	USA	2008	26.57	GREGG PRICE	RSA	2008
24.63	RICO ROLLI	ITA	2010	29.01	CRAIG NORREY	SUI	2006	26.64	TRIP HEDRICK	USA	2003
24.72	METELLO SAVINO	ITA	2008	29.16	AL JAEGER	USA	2008	26.65	ANDERS RASMUSSEN	USA	2009
24.74	MARCO COLOMBO	ITA	2005	29.17	MARCO COLOMBO	ITA	2005	26.70	LARRY GOLDEN	USA	2009
24.75	GARY SCHATZ	USA	2000	29.18	PETER ROCCA	USA	2002	26.77	RICO ROLLI	ITA	2010
24.78	ZORAN TANSEK	CRO	2010	29.22	ANDERS RASMUSSEN	USA	2009	26.82	TAIHEI SAKA	JPN	2010
100 M. FREE				29.22	JOHN ENGS	USA	2008	100 M. FLY			
53.77	MARCO COLOMBO	ITA	2005	100 M. BACK				56.42	PAUL CARTER	USA	2002
				1:00.13	STEVE WOOD	USA	2008	57.60	PAUL SMITH	USA	2008



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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	2:22.62	WIESLAW MUSIAL	CAN	2008
59.63	SCOTT CARPENTER	USA	2009	2:03.66	JACK GROSELLE	USA	2004	2:24.55	MINAKOV VALERIJS	LAT	2010
59.64	JOHN ENGS	USA	2008	2:04.02	MARCUS MATTIOLI	BRA	2010	2:25.15	DARIUSZ WOLNY	POL	2010
59.73	MARCUS MATTIOLI	BRA	2008	2:04.34	DANIEL MACHEK	CZE	2009	2:25.57	BOB BUGG	USA	2009
200 M. FLY				2:05.01	EDGARS OZOLINS	LAT	2009	2:25.70	JIM MCCONICA	USA	2000
2:04.07	DENNIS BAKER	USA	2008	2:05.07	FRANCIS CHRISTIAN	AUS	2008	2:25.95	E. JOHNSON	CHN	2010
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
2:14.96	JIM BELARDI	USA	2002	4:19.47	JIM MCCONICA	USA	2000	31.37	DOUG MALCOLM	USA	2007
2:16.26	MAURO CAPPELLETTI	ITA	2010	4:20.27	MARCUS MATTIOLI	BRA	2010	31.50	GLEN CHRISTIANSEN	SWE	2009
2:16.41	FRED SCHUSTER	USA	2009	4:20.71	BOB BUGG	USA	2009	31.64	ANDREA FLORIT	ITA	2010
2:17.71	JAMES DENSMORE	USA	2000	4:22.79	JOSEPH RHYNE	USA	2009	31.96	RONNY OLTNER	SWE	2007
2:17.94	HUGO BREGMAN	NED	2007	4:24.31	DANIEL MACHEK	CZE	2009	32.01	LORENZO MERLI	ITA	2009
2:18.06	MIKE SHAFFER	USA	2010	4:24.41	FRANCIS CHRISTIAN	AUS	2008	32.16	ROBERT STRAND	USA	1998
200 M. I.M.				4:27.07	MARK DRENNEN	USA	2006	32.18	JON BLANK	USA	2010
2:14.90	JEROME FRENTSOS	USA	2010	4:27.91	MICHAEL MANN	USA	2008	32.18	WOLFGANG PIRL	GER	2009
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	17:40.70	MARK DRENNEN	USA	2006	2:36.85	DAVID GUTHRIE	USA	2010
4:58.93	VLASENKO ALEXEI	RUS	2010	17:52.24	LORENZO MARUGO	ITA	2004	2:39.08	RICK COLELLA	USA	2001
4:59.83	DJAN MADRUGA	BRA	2004	18:00.54	FRANCIS CHRISTIAN	AUS	2007	2:39.43	PODMAREV TIMUR	RUS	2010
5:00.08	LEN GUSHE	CAN	2008	18:04.63	R TOD SPIEKER	USA	1998	2:39.51	ANDREA FLORIT	ITA	2010
5:00.60	CAMERON REID	USA	2006	18:05.24	ANDREW BRAY	USA	2009	2:40.05	WOLFGANG PIRL	GER	2009
5:02.06	LINCOLN DJANG	USA	2008	18:11.41	KEITH BERRYHILL	USA	2009	2:40.29	PATRICK ALLENDER	USA	2008
*****				18:13.47	JIM CLEMMONS	USA	2002	2:40.57	ROBERT STRAND	USA	1996
M E N 50-54				18:15.68	LARRY KRAUSER	USA	2005	2:41.02	BENN DOYLE	USA	2008
*****				18:16.92	JOHN HUGHES	USA	2005	50 M. FLY			
50 M. FREE				50 M. BACK				25.88	PAUL CARTER	USA	2008
24.08	BRENT BARNES	JPN	2009	29.43	JAMIE FOWLER	USA	2009	26.23	TRIP HEDRICK	USA	2004
24.58	AMBROSE GAINES	USA	2009	29.51	MINAKOV VALERIJS	LAT	2010	26.56	PAUL SMITH	USA	2009
24.60	RICHARD ABRAHAMS	USA	1998	29.63	RAMON VOLCAN	VEN	2009	26.80	RAMON VOLCAN	VEN	2009
24.88	RICK ABBOTT	USA	2008	29.81	TOM WOLF	USA	2004	26.83	RICK ABBOTT	USA	2008
24.89	JACK GROSELLE	USA	2004	29.93	GIANNI BERTOLI	ITA	2009	27.10	HUGO BREGMAN	NED	2009
24.94	TRIP HEDRICK	USA	2006	29.95	JOHN VAN BUUREN	CAN	2004	27.12	JOHN FIELDS	USA	2007
25.03	GARY SCHATZ	USA	2005	30.03	SCOTT SHAKE	USA	2008	27.13	RICHARD ABRAHAMS	USA	1998
25.21	PAUL SMITH	USA	2009	30.16	ANDRE STEYNBERG	RSA	2006	27.30	SAM FRANKLIN	USA	2007
25.36	LARRY FORSYTH	AUS	2009	30.32	IGOR KRAVKOV	ISR	2009	27.30	GREG SHAW	USA	2005
25.39	JOHN FIELDS	USA	2007	30.35	ALBERT BOONSTRA	NED	2009	100 M. FLY			
100 M. FREE				100 M. BACK				57.23	PAUL CARTER	USA	2008
54.93	JACK GROSELLE	USA	2004	1:02.93	JAMIE FOWLER	USA	2009	59.49	TRIP HEDRICK	USA	2004
54.94	BOB BUGG	USA	2009	1:03.44	MINAKOV VALERIJS	LAT	2010	59.67	HUGO BREGMAN	NED	2009
55.11	DAN STEPHENSON	USA	2007	1:04.70	GIANNI BERTOLI	ITA	2009	59.87	MARCUS MATTIOLI	BRA	2010
55.13	RICK ABBOTT	USA	2008	1:04.83	TOM WOLF	USA	2004	1:00.55	WILLIAM SPECHT	USA	2009
55.38	TRIP HEDRICK	USA	2006	1:05.02	RICK ABBOTT	USA	2008	1:01.43	JOHN VAN BUUREN	CAN	2004
55.42	PAUL SMITH	USA	2009	1:05.81	SCOTT SHAKE	USA	2008	1:01.63	PAUL BLACKBEARD	RSA	2008
55.43	AMBROSE GAINES	JPN	2010	1:06.28	DAN STEPHENSON	USA	2007	1:01.64	JOHN PHILLIPS	USA	2009
56.06	BRENT BARNES	JPN	2008	1:06.30	DJAN MADRUGA	BRA	2010	1:01.79	GREG SHAW	USA	2003
56.37	JOHN VAN BUUREN	CAN	2004	1:06.36	V. GALAVTINE	RUS	2003	1:01.93	JOHN MCCALL	USA	2003
56.44	LEE MENCH	USA	2003	1:06.43	ROBERT SUPPLE	USA	2006	200 M. FLY			
				200 M. BACK				2:13.39	MARCUS MATTIOLI	BRA	2010



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2:15.06 HUGO BREGMAN	NED 2009	2:10.90 TERRY DOWNES	RSA 2004	2:32.97 EDDIE RIACH	GBR 2008
2:18.57 PAUL CARTER	USA 2008	400 M. FREE		50 M. BRST	
2:19.16 FRANCIS CHRISTIAN	AUS 2008	4:22.49 MICHAEL MANN	USA 2009	31.05 WALTER KUSCH	GER 2009
2:19.35 JOSEPH RHYNE	USA 2009	4:25.34 JIM MC CONICA	USA 2005	32.07 TIMOTHY SHEAD	RSA 2008
2:20.46 WILLIAM SPECHT	USA 2009	4:33.42 STEVE PRESCOTT	NZL 2009	32.44 JACK GROSELLE	USA 2009
2:21.40 SCOTT LAUTMAN	USA 2004	4:37.94 J.CHATARD	FRA 2006	32.72 STUART ELLICOTT	AUS 2009
2:22.29 LAWRENCE DAY	USA 2001	4:38.81 R TOD SPIEKER	USA 2003	32.74 RANDY PARKER	USA 2009
2:25.14 JIM MC CONICA	USA 2001	4:39.19 BILL DEVENISH	AUS 2008	33.03 ALEXANDER MILLS	NOR 2006
2:26.11 DAVE TANNER	USA 2000	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	33.47 MARCO STENTELLA	ITA 2010
2:20.02 MICHAEL MANN	USA 2008	800 M. FREE		100 M. BRST	
2:20.99 KEN SHILLING	USA 2008	9:00.09 MICHAEL MANN	USA 2009	1:11.13 TIMOTHY SHEAD	RSA 2008
2:23.06 LORENZO MARUGO	ITA 2004	9:06.86 JIM MCCONICA	USA 2006	1:12.85 WALTER KUSCH	GER 2009
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	1:15.81 DONALD MCKENZIE	USA 2002
5:03.76 DJAN MADRUGA	BRA 2010	1500 M. FREE		200 M. BRST	
5:04.32 JAMIE FOWLER	USA 2009	17:22.61 MICHAEL MANN	USA 2009	2:38.66 RICK COLELLA	USA 2008
5:05.82 RICK COLELLA	USA 2001	17:40.10 JIM MC CONICA	USA 2005	2:41.54 TIMOTHY SHEAD	RSA 2008
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	18:43.42 LARRY WOOD	USA 2009	2:46.31 ROBERT STRAND	USA 2001
5:10.94 MARK DRENNEN	USA 2006	18:44.38 GEORGE KEENAN	USA 2009	2:49.48 ROBERT WEYHENKE	NED 2007
5:11.38 SCOTT SHAKE	USA 2008	18:45.20 RICK WALKER	USA 2005	2:49.50 JACK GROSELLE	USA 2010
*****		18:51.75 JOEL KRIGER	BRA 2009	2:50.44 WILLIAM GONZALEZ	USA 1997
M E N 55-59		18:55.54 M.CAFFERY	USA 2008	2:50.48 JIM CLEMMONS	USA 2006
*****		18:57.38 R TOD SPIEKER	USA 2004	2:51.10 GERSHON SHEFA	ISR 2001
50 M. FREE		50 M. BACK		50 M. FLY	
25.01 JACK GROSELLE	USA 2009	30.09 GARY HALL	USA 2009	26.86 GARY HALL	USA 2009
25.31 MIKE TENNANT	USA 2008	30.78 HUGH WILDER	USA 2004	27.08 GREG SHAW	USA 2007
25.53 RICHARD ABRAHAMS	USA 2002	30.79 ALISTAIR COCKBURN	USA 2008	27.43 RICHARD ABRAHAMS	USA 2002
25.59 DOUG MARTIN	USA 2009	30.83 PHILIPP DJANG	USA 2009	27.49 DAVID HAGUE	USA 2009
25.74 PAUL TREVISAN	USA 2006	31.10 KIERAN KELLEHER	ITA 2003	27.64 DOUG MARTIN	USA 2009
25.98 BARRY ROTH	USA 2009	31.21 WES EDWARDS	USA 2008	27.80 STEVE BOROWSKI	USA 2003
25.99 LEONARD BIELICZ	SWE 2007	31.22 RICHARD BOBER	USA 2006	28.22 KEEFE LODWIG	USA 1998
26.04 TERRY DOWNES	RSA 2004	31.52 ROBERT SMITH	USA 1998	28.24 LEONARD BIELICZ	SWE 2007
26.11 STEVE BOROWSKI	USA 2002	31.71 TIM BIRNIE	USA 2000	28.29 KEVIN MCCORMACK	USA 2009
26.14 MICHAEL MANN	USA 2009	31.84 GREG SHAW	USA 2007	28.35 JEAN-MARIE CADIAT	BEL 2009
100 M. FREE		100 M. BACK		100 M. FLY	
56.08 JACK GROSELLE	USA 2009	1:06.14 GARY HALL	USA 2009	1:01.05 GREG SHAW	USA 2006
57.08 MICHAEL MANN	USA 2009	1:07.29 TIMOTHY SHEAD	RSA 2008	1:01.83 BRAD HORNER	USA 2009
57.60 BRAD HORNER	USA 2009	1:07.81 HUGH WILDER	USA 2002	1:03.24 LEONARD BIELICZ	SWE 2006
57.83 CHARLES LEMAISTRE	USA 2009	1:08.20 WES EDWARDS	USA 2008	1:03.90 RICHARD ABRAHAMS	USA 2000
57.85 ALEXANDER MILLS	NOR 2006	1:08.21 PHILIPP DJANG	USA 2009	1:03.95 SCOTT LAUTMAN	USA 2008
58.07 PAUL TREVISAN	USA 2006	1:08.55 RICHARD BOBER	USA 2006	1:04.15 STEVE BOROWSKI	USA 2003
58.15 DOUG MARTIN	USA 2009	1:09.24 JOHN MARCH	AUS 2008	1:04.19 JOHN MARCH	AUS 2008
58.18 MIKE TENNANT	USA 2008	1:09.27 TIM BIRNIE	USA 2000	1:04.50 JEAN-MARIE CADIAT	BEL 2009
58.23 RICHARD ABRAHAMS	USA 2002	1:09.48 JIM ADAMS	IRL 2007	1:04.62 PETER NOCKE	GER 2010
58.41 TIMOTHY GARTON	USA 1998	1:10.30 MARK PUGLIESE	USA 2007	1:04.62 KEVIN MCCORMACK	USA 2009
200 M. FREE		1:10.30 RICHARD BURNS	USA 2001	200 M. FLY	
2:04.01 MICHAEL MANN	USA 2009	2:25.89 JIM MC CONICA	USA 2005	2:18.97 BRAD HORNER	USA 2009
2:05.82 JACK GROSELLE	USA 2009	2:27.49 FRED FERROGGIARO	USA 2008	2:25.35 GREG SHAW	USA 2006
2:08.03 JIM MC CONICA	USA 2005	2:29.60 JOHN MARCH	AUS 2008	2:26.37 SCOTT LAUTMAN	USA 2008
2:08.67 BRAD HORNER	USA 2009	2:29.67 WES EDWARDS	USA 2008	2:27.22 JOHN MARCH	AUS 2008
2:09.25 PHIL DODSON	USA 2008	2:30.02 PHILIPP DJANG	USA 2009	2:28.62 JIM MC CONICA	USA 2006
2:09.54 BILL DEVENISH	AUS 2008	2:30.26 JIM ADAMS	IRL 2007	2:31.29 PATRICK BERGER	FRA 2009
2:10.11 ALEXANDER MILLS	NOR 2006	2:30.82 R TOD SPIEKER	USA 2003	2:31.58 JOHN CRAIG	USA 2009
2:10.16 STEVEN PRESCOTT	NZL 2009	2:30.84 TIM BIRNIE	USA 2000	2:32.29 TAKEO HIRAMOTO	JPN 2005
2:10.62 LARRY KRAUSER	USA 2008	2:32.93 JOHN CALVERT	USA 2000	2:33.32 ROBERT POILETMAN	USA 2002
				2:34.90 PETER GILMOUR	AUS 1997



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200 M. I.M.		4:57.03 SANDY GALLETTY	GBR 2002	34.71 KENNETH FROST	USA 2008
2:20.83 MICHAEL MANN	USA 2009	4:58.14 JIM CLEMMONS	USA 2010	34.92 DIETER HOFEL	GER 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	10:02.40 DUNCAN MCCREADIE	GBR 2005	1:16.53 TOSHIHARU FUJII	JPN 2010
2:27.92 ALEXANDER MILLS	NOR 2006	10:06.75 SANDY GALLETTY	GBR 2002	1:16.83 ALLEN STARK	USA 2009
2:28.12 JACK GROSELLE	USA 2009	10:06.76 RICK WALKER	USA 2010	1:17.27 ROBERT WRIGHT	USA 2010
2:29.02 JIM MCCONICA	USA 2005	10:06.94 GRAHAM CROFT	AUS 2008	1:17.50 KENNETH FROST	USA 2007
2:29.37 ROBERT WEYHENKE	NED 2007	10:09.12 JOHN CALVERT	USA 2006	1:18.28 ALBERT KOSTITSYN	FIN 2002
2:30.33 JOHN CALVERT	USA 2000	10:12.12 BEN VAN DYKE	NZL 2010	1:18.30 GERSHON SHEFA	ISR 2007
2:32.07 RONALD ARMSTRONG	CAN 2006	10:13.59 JIM CLEMMONS	USA 2010	1:18.63 PETER ANDERSEN	USA 2003
400 M. I.M.		10:15.35 STEVE JOHNSON	USA 2008	1:18.69 RICK WALKER	USA 2010
5:04.07 MICHAEL MANN	USA 2009	10:16.84 JAMES MCCLEERY	USA 2006	1:19.17 C.STARZEC	FRA 2010
5:17.10 JIM MC CONICA	USA 2005	10:18.48 GEORGE WENDT	USA 2008	200 M. BRST	
5:26.63 JOHN CALVERT	USA 2000	1500 M. FREE		2:50.77 ROBERT STRAND	USA 2008
5:27.57 RONALD ARMSTRONG	CAN 2006	18:12.09 JIM MC CONICA	USA 2010	2:51.53 ROBERT WRIGHT	USA 2010
5:28.27 JACK GROSELLE	USA 2009	19:07.93 GEORGE WENDT	USA 2008	2:52.51 TOSHIHARU FUJII	JPN 2010
5:30.36 JIM CLEMMONS	USA 2009	19:16.50 BEN VAN DYKE	NZL 2010	2:52.54 ALLEN STARK	USA 2009
5:32.45 CELSO JUGEND	BRA 2009	19:25.68 SANDY GALLETTY	GBR 2002	2:53.17 JIM CLEMMONS	USA 2010
5:32.64 ALEX SHESTAKOV	USA 2006	19:26.67 DUNCAN MCCREADIE	GBR 2005	2:55.26 GERSHON SHEFA	ISR 2004
5:33.69 G.SCARAMEL	ITA 2009	19:40.20 VITTORIO ERMIRIO	ITA 2002	2:55.49 KENNETH FROST	USA 2006
5:33.81 PHIL DODSON	USA 2008	19:50.21 D.UIJTENBOGAART	NED 2009	2:55.81 GEORGE WENDT	USA 2008
*****		19:53.86 STEVE JOHNSON	USA 2008	2:56.36 RICK WALKER	USA 2010
M E N 60-64		19:58.27 FRANK MCELROY	USA 2009	2:58.37 THOMAS WALKER	GBR 1996
*****		20:04.73 GRAHAM JOHNSTON	USA 1995	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	32.11 RICHARD BURNS	USA 2003	28.79 JOEL BURNS	USA 2007
26.70 JEFF FARRELL	USA 1998	32.55 STEVEN HECK	USA 2009	28.97 JIM DRAGON	USA 2006
26.94 JAMES ELDER	USA 2006	32.58 YURY CHIRKOV	RUS 2009	29.22 JOSEP CLARET	ESP 2004
27.02 JAMES DE LACY	USA 2006	32.66 PETER O'BRIEN	CAN 2009	29.23 KEEFE LODWIG	USA 2003
27.13 FUMIO SHIGENO	JPN 2009	32.66 TIM BIRNIE	USA 2006	29.35 JAMES DE LACY	USA 2006
27.33 GERHARD SCHILLER	GER 2009	32.73 TAKEO HIRAMOTO	JPN 2010	29.38 TAKEO HIRAMOTO	JPN 2010
27.38 VINUS VAN BAALEN	USA 2006	32.76 J.LESTIDEAU	FRA 2006	29.55 STEVEN HECK	USA 2009
27.42 ALAN BROWN	AUS 2008	32.87 JOSE LORO	BRA 2009	29.64 J.LESTIDEAU	FRA 2009
27.57 TOM MEADE	USA 2009	33.00 JOZEF CSIKANY	HUN 2005	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	1:06.63 ROBERT POILETMAN	USA 2003
1:00.11 JEFF FARRELL	USA 1998	1:11.94 PETER O'BRIEN	CAN 2009	1:06.65 JOEL BURNS	USA 2009
1:00.27 DAVID QUIGGIN	USA 2004	1:12.25 YURY CHIRKOV	RUS 2009	1:07.98 SHIGEO ASANO	JPN 2008
1:00.71 TERRY DOWNES	RSA 2009	1:12.62 JOZSEF CSIKANY	HUN 2006	1:08.04 JEAN LESTIDEAU	FRA 2007
1:01.02 GRAHAM CROFT	AUS 2008	1:12.90 TIM BIRNIE	USA 2006	1:08.08 TAKEO HIRAMOTO	JPN 2010
1:01.03 GERHARD SCHILLER	GER 2009	1:13.12 STEVEN HECK	USA 2010	1:08.42 JOSEP 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
1:02.02 RICHARD KITTEL	USA 2008	1:14.37 FRANK LORGE	USA 2010	1:09.11 JAMES DE LACY	USA 2006
1:02.08 ALAN BROWN	AUS 2006	1:14.38 BARRY YOUNG	NZL 2002	200 M. FLY	
200 M. FREE		200 M. BACK		2:31.58 FRED SCHLICHER	USA 2008
2:12.57 JIM MC CONICA	USA 2010	2:34.38 JIM MC CONICA	USA 2010	2:33.72 ROBERT POILETMAN	USA 2003
2:12.69 FRED SCHLICHER	USA 2008	2:37.20 STEVEN HECK	USA 2009	2:40.12 JEAN LESTIDEAU	FRA 2008
2:13.32 JAMES DE LACY	USA 2006	2:39.01 JOHN CALVERT	USA 2006	2:45.28 KOJI IWAMOTO	JPN 2002
2:13.94 GRAHAM CROFT	AUS 2008	2:39.36 PETER O'BRIEN	CAN 2009	2:46.06 DEREK PARR	GBR 2006
2:15.35 DUNCAN MCCREADIE	FRA 2006	2:39.50 BARRY YOUNG	NZL 2002	2:47.35 JOEL BURNS	USA 2009
2:17.01 TERRY DOWNES	RSA 2009	2:39.96 FRANK LORGE	USA 2010	2:47.56 GABOR CSABA	HUN 2007
2:17.43 TOM LANDIS	USA 2002	2:41.27 RICHARD BURNS	USA 2006	2:47.94 DOUGLAS MILLER	USA 2007
2:18.39 LONNY HARRISON	USA 2008	2:41.51 EDWARD CAZALET	USA 2003	2:48.09 ALAN BELL	USA 2010
2:18.52 RICHARD ABRAHAMS	USA 2006	2:41.60 HUGH WILDER	USA 2007	2:49.77 JOACHIM HINTZE	GER 2003
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
4:40.52 JIM MC CONICA	USA 2010	33.41 ROBERT STRAND	USA 2008	2:34.86 STEVEN HECK	USA 2009
4:48.25 GRAHAM CROFT	AUS 2008	34.28 TOSHIHARU FUJII	JPN 2010	2:36.07 JOHN CALVERT	USA 2006
4:49.83 GEORGE WENDT	USA 2008	34.35 DIETER HOEFEL	GER 2009	2:36.60 JIM CLEMMONS	USA 2010
4:51.23 DUNCAN MCCREADIE	GBR 2005	34.42 PETER ANDERSEN	USA 2003	2:38.89 JEAN LESTIDEAU	FRA 2008
4:52.10 RICK WALKER	USA 2010	34.59 AKIO SUGIYAMA	JPN 1995	2:39.65 LONNY HARRISON	USA 2008
4:54.79 CHRIS DUNN	GBR 2006	34.62 ROBERT WRIGHT	USA 2010	2:40.00 DUNCAN MCCREADIE	GBR 2005
4:55.64 FRANK MCELROY	USA 2009	34.68 HIROSHI KOTEGAWA	JPN 1995	2:40.63 ROBERT STRAND	USA 2006
		34.70 JOZEF KLUKOWSKI	POL 2006	2:40.95 EDWARD CAZALET	USA 2003



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2:41.20	GEORGE WENDT	USA	2008	10:51.93	VICTOR PAUL	AUS	2009	1:23.09	ANTONIO ORSELLI	BRA	2009
400 M. I.M.				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	1:23.88	THOMAS WALKER	GBR	2002
5:37.64	JIM CLEMMONS	USA	2010	11:01.95	DAVID QUIGGIN	USA	2009	200 M. BRST			
5:40.42	J.L. LESTIDEAU	FRA	2007	1500 M. FREE				2:59.54	KENNETH FROST	USA	2009
5:41.07	JOHN CALVERT	USA	2006	20:00.97	TOM LANDIS	USA	2008	2:59.99	GERSHON SHEFA	ISR	2008
5:43.77	GEORGE WENDT	USA	2008	20:08.74	FABRIZIO MOMONI	ITA	2004	3:02.13	MICHAEL MOLONEY	AUS	2004
5:46.05	DUNCAN MCCREADIE	GBR	2005	20:16.54	GRAHAM JOHNSTON	USA	1996	3:02.85	RICHARD TODD	USA	2008
5:46.59	GIAMPIERO FOSSATI	ITA	2004	20:27.72	VICTOR PAUL	AUS	2009	3:04.10	YOSHIAKI AOKI	JPN	2005
5:47.21	GERSHON SHEFA	ISR	2006	20:58.00	JOACHIM HINTZE	GER	2008	3:06.08	THOMAS WALKER	GBR	2002
5:48.77	FRANK MCELROY	USA	2009	21:00.77	DAVID HARRISON	USA	2003	3:06.44	DAVID GILDEA	USA	2009
5:49.43	EDWARD CAZALET	USA	2002	21:12.01	RAYMOND STOKES	GBR	2004	3:07.92	MIKE FRESHLEY	USA	2006
*****				21:12.67	DON DAVIS	USA	2009	3:09.55	HANS REICHEL	GER	2003
M E N 65-69				21:17.75	DAVID QUIGGIN	USA	2009	3:09.60	ERIK HAITES	CAN	2008
*****				21:34.90	LUCIANO CAMPELLI	ITA	2008	50 M. FLY			
50 M. FREE				32.19	RICHARD BURNS	USA	2009	28.54	JOSEF CLARET	ESP	2009
26.33	RICHARD ABRAHAMS	USA	2010	33.50	BERND HORSTMANN	GER	2008	28.68	KEEFE LODWIG	USA	2008
27.15	JEFF FARRELL	USA	2002	33.54	YOSHI OYAKAWA	USA	1999	28.69	JIM DRAGON	USA	2009
27.31	VINUS VAN BAALEN	USA	2007	33.58	VINUS VAN BAALEN	USA	2007	29.25	RICHARD ABRAHAMS	USA	2010
27.37	KEEFE LODWIG	USA	2008	33.72	JOZSEF CSIKANY	HUN	2008	30.13	ROBERT OLSON	USA	2009
27.50	IAN SMITH	CAN	2009	33.87	ROBERT SMITH	USA	2008	30.23	BORIS RUZHITSKY	RUS	2009
27.60	DAVID QUIGGIN	USA	2009	34.07	LUIZ FIGUEIREDO	BRA	2007	30.33	TOMOYASU IIDA	JPN	2006
27.63	JAMES ELDER	USA	2008	34.38	ALEXANDER KRYUKOV	RUS	2009	30.51	DAVID QUIGGIN	USA	2009
27.65	ROBERT SMITH	USA	2008	34.69	FRANS VAN ENST	NED	2005	30.53	BERND SCHRODER	GER	2009
27.85	JIM DRAGON	USA	2009	34.70	MIKLOS KOVATS	HUN	2006	30.68	IAN SMITH	CAN	2009
27.93	ROBERT OLSON	USA	2009	100 M. BACK				100 M. FLY			
100 M. FREE				1:11.32	RICHARD BURNS	USA	2009	1:07.34	RICHARD ABRAHAMS	USA	2010
1:00.38	RICHARD ABRAHAMS	USA	2010	1:13.82	BERND HORSTMANN	GER	2009	1:07.78	JOSEF CLARET	ESP	2009
1:01.05	DAVID QUIGGIN	USA	2009	1:14.96	JOZSEF CSIKANY	HUN	2009	1:09.60	ROBERT POILETMAN	USA	2009
1:01.30	KEEFE LODWIG	USA	2009	1:15.69	LUIZ FIGUEIREDO	BRA	2006	1:10.22	BORIS RUZHITSKIY	RUS	2009
1:02.62	TOM LANDIS	USA	2008	1:16.78	YOSHI OYAKAWA	USA	1999	1:10.80	DEREK PARR	GBR	2009
1:02.79	JEFF FARRELL	USA	2002	1:17.23	BARRY YOUNG	NZL	2006	1:12.78	BARRY YOUNG	NZL	2004
1:02.81	IAN SMITH	CAN	2009	1:17.36	MIKLOS KOVATS	HUN	2005	1:12.93	TOMOYASU IIDA	JPN	2006
1:02.84	JAMES ELDER	USA	2008	1:17.47	ALEXANDER KRYUKOV	RUS	2009	1:13.11	BERND SCHRODER	GER	2009
1:02.93	CAV CAVANAUGH	USA	2001	1:17.50	ROBERT SMITH	USA	2008	1:13.19	AKIRA TAKAKURA	JPN	2006
1:03.01	RICHARD BURNS	USA	2008	1:18.03	DONALD MCINTOSH	USA	2008	1:13.54	RICHARD BURNS	USA	2008
1:03.39	ROBERTO ALBERICHE	ESP	1996	200 M. BACK				200 M. FLY			
200 M. FREE				2:40.95	BERND HORSTMANN	GER	2008	2:47.60	DEREK PARR	GBR	2009
2:18.53	TOM LANDIS	USA	2008	2:41.76	RICHARD BURNS	USA	2009	2:50.18	ROBERT POILETMAN	USA	2009
2:20.37	DAVID QUIGGIN	USA	2009	2:42.96	JOZSEF CSIKANY	HUN	2008	2:51.07	BARRY YOUNG	NZL	2004
2:21.74	ROBERTO ALBERICHE	ESP	1996	2:50.44	MIKLOS KOVATS	HUN	2005	2:54.46	RUDOLF SMERDA	CZE	2008
2:22.18	GRAHAM JOHNSTON	USA	1996	2:51.11	RICHARD TODD	USA	2007	2:56.00	GUNTER SCHOPKE	GER	2005
2:22.26	KEEFE LODWIG	USA	2009	2:51.19	S. SEIKAWA	JPN	1998	2:56.08	JOACHIM HINTZE	GER	2008
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	3:01.69	KOJI IWAMOTO	JPN	2007
2:24.45	FABRIZIO MOMONI	ITA	2003	50 M. BRST				200 M. I.M.			
400 M. FREE				34.61	OSAMU MAEDA	JPN	2009	2:43.37	RICHARD BURNS	USA	2009
5:00.26	TOM LANDIS	USA	2007	35.00	KENNETH FROST	USA	2009	2:44.44	GERSHON SHEFA	ISR	2008
5:01.81	FABRIZIO MOMONI	ITA	2003	35.30	JIM DRAGON	USA	2009	2:45.17	BARRY YOUNG	NZL	2004
5:03.36	GRAHAM JOHNSTON	USA	1996	35.56	YOSHIHIKO OSAKI	JPN	2004	2:45.64	BERND HORSTMANN	GER	2009
5:06.57	DAVID QUIGGIN	USA	2009	35.60	PETER ANDERSEN	USA	2009	2:48.63	TOM LANDIS	USA	2007
5:07.62	ROBERTO ALBERICHE	ESP	1996	35.91	DAVID GILDEA	USA	2009	2:49.61	KOJI IWAMOTO	JPN	2009
5:08.44	DON DAVIS	USA	2009	36.25	DIETER HOEFEL	GER	2010	2:49.71	ROBERTO ALBERICHE	ESP	1996
5:13.29	CARLOS CANEPA	PER	2008	36.30	RICHARD TODD	USA	2008	2:50.11	KENNETH FROST	USA	2009
5:14.60	DONALD MCINTOSH	USA	2008	36.35	HIROSHI KOTEGAWA	JPN	2001	2:50.18	RONALD JOHNSON	USA	1998
5:14.60	RUDOLF SMERDA	CZE	2008	36.42	MANUEL SANGUILY	USA	1998	2:51.09	GRAHAM JOHNSTON	USA	1997
5:14.82	MARIO PATERNI	ITA	2008	100 M. BRST				400 M. I.M.			
800 M. FREE				1:18.11	KENNETH FROST	USA	2009	5:52.79	BARRY YOUNG	NZL	2004
10:25.94	TOM LANDIS	USA	2007	1:19.89	DAVID GILDEA	USA	2009	5:55.49	GERSHON SHEFA	ISR	2008
10:26.60	FABRIZIO MOMONI	ITA	2003	1:21.25	OSAMU MAEDA	JPN	2009	6:03.31	TOM LANDIS	USA	2007
10:29.26	GRAHAM JOHNSTON	USA	1997	1:21.75	GERSHON SHEFA	ISR	2008	6:05.15	ROBERTO ALBERICHE	ESP	1996
10:50.84	DAVID HARRISON	USA	2002	1:22.37	DIETER HOEFEL	GER	2010	6:08.44	GRAHAM JOHNSTON	USA	1996
10:50.86	DON DAVIS	USA	2009	1:22.82	RICHARD TODD	USA	2008	6:11.64	RICHARD BURNS	USA	2009
10:51.42	CARLOS CANEPA	PER	2008	1:22.89	ALBERT KOSTITSYN	FIN	2007	6:11.78	MIKE FRESHLEY	USA	2006
								6:17.66	MASAO KIJIMA	JPN	2009



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2010)

6:18.95	MICHAEL MCCOLLY	USA	2010	22:03.95	MASATO YOSHINO	JPN	2010	3:15.70	YOSHIAKI AOKI	JPN	2008
6:19.77	VICTOR PAUL	AUS	2009	22:06.67	YASUSHI YAMAGUCHI	JPN	2009	3:17.21	MORIAKI SUGIURA	JPN	2009
*****				22:39.01	BARRY YOUNG	NZL	2009	3:17.80	MASARU SHINKAI	JPN	2010
*****				22:44.64	ERNIE LESKOVITZ	USA	2006	3:17.90	CHRISTIAN THIESS	AUS	2008
*****				22:47.77	GEORGE BRUNSTAD	USA	2004	50 M. FLY			
*****				50 M. BACK				31.49	HIROSHI MATSUMOTO	JPN	2007
50 M. FREE				35.31	YOSHI OYAKAWA	USA	2003	31.95	Y.FUNAHASHI	JPN	2010
28.46	WOLFRAM GOTTFRIED	GER	2004	35.83	S.SEKIKAWA	JPN	2003	32.11	RONALD JOHNSON	USA	2001
28.53	JEFF FARRELL	USA	2007	36.23	MIKLOS KOVATS	HUN	2010	32.36	BERT PETERSEN	USA	2008
28.65	CAV CAVANAUGH	USA	2005	36.60	HELMUT RICHTER	GER	2009	32.90	BOB BAILIE	USA	2005
28.66	RONALD JOHNSON	USA	2001	36.77	BARRY YOUNG	NZL	2009	33.36	TSUTOMU EBIHARA	JPN	2010
28.85	PETER BERGEGREN	SWE	2008	36.87	FRANS VAN ENST	NED	2010	33.49	TAISUKE MIYAZAKI	JPN	2009
28.94	B.SCHLURIKE	GER	1991	37.10	PAUL HUTINGER	USA	1995	33.49	HELMUT RICHTER	GER	2009
29.32	HELMUT RICHTER	GER	2009	37.12	KEIJIRO NAKAMURA	JPN	1995	33.54	BARRY YOUNG	NZL	2009
29.43	DONALD HILL	USA	2002	37.13	BURWELL JONES	USA	2003	33.60	JOSEPH LAMMERT	USA	2009
29.44	H.TAKAHASHI	JPN	2007	37.21	RONALD JOHNSON	USA	2001	100 M. FLY			
29.68	SHINGO YAMAMOTO	JPN	2002	100 M. BACK				1:16.18	BARRY YOUNG	NZL	2009
100 M. FREE				1:15.24	BARRY YOUNG	NZL	2009	1:19.44	WOLFRAM GOTTFRIED	GER	2002
1:05.40	CAV CAVANAUGH	USA	2005	1:19.12	YOSHI OYAKAWA	USA	2004	1:20.45	GUNTER SCHOPKE	GER	2010
1:05.81	WOLFRAM GOTTFRIED	GER	2002	1:19.14	BURWELL JONES	USA	2003	1:20.52	RICHARD KITCHELL	USA	2010
1:06.18	RONALD JOHNSON	USA	2001	1:20.74	MIKLOS KOVATS	HUN	2010	1:20.61	TAISUKE MIYAZAKI	JPN	2009
1:06.47	DAVID RADCLIFF	USA	2005	1:20.93	S.SEKIKAWA	JPN	2003	1:21.56	WILLIAM LETCH	GBR	2010
1:06.62	MASATO YOSHINO	JPN	2009	1:22.13	MARTY MENNEN	USA	2009	1:21.64	RONALD JOHNSON	USA	2001
1:07.36	GRAHAM JOHNSTON	USA	2001	1:22.30	T.HASHIMOTO	JPN	2010	1:22.45	TAKASHI HAYASHI	JPN	2005
1:07.73	JEFF FARRELL	USA	2009	1:22.40	KARL DONOGHUE	CAN	2010	1:22.55	WERNER MULLER	GER	2003
1:07.82	HELMUT RICHTER	GER	2009	1:22.79	FRANS VAN ENST	NED	2010	1:23.69	ERNIE LESKOVITZ	USA	2006
1:08.27	CHUCK BALDWIN	USA	2000	1:23.83	MAMPEI SEINO	JPN	2002	1:23.69	SEYMOUR BANNING	GBR	2003
1:08.31	DONALD HILL	USA	2002	200 M. BACK				200 M. FLY			
200 M. FREE				2:48.10	BARRY YOUNG	NZL	2009	2:53.26	BARRY YOUNG	NZL	2009
2:26.20	DAVID RADCLIFF	USA	2008	2:55.19	BURWELL JONES	USA	2005	3:04.35	GUNTER SCHOPKE	GER	2010
2:28.37	CAV CAVANAUGH	USA	2005	2:58.62	S.SEKIKAWA	JPN	2003	3:08.06	TAISUKE MIYAZAKI	JPN	2009
2:29.45	GRAHAM JOHNSTON	USA	2001	2:58.88	MARTY MENNEN	USA	2006	3:10.53	RICHARD KITCHELL	USA	2010
2:30.11	KARL-LUDWIG REHN	GER	2010	2:59.52	MIKLOS KOVATS	HUN	2010	3:13.74	CLAUDIO NEGRI	ITA	2008
2:31.76	MASATO YOSHINO	JPN	2010	3:01.03	KARL DONOGHUE	CAN	2010	3:14.18	DAVID MCLACHLAN	RSA	2008
2:32.48	DAVID HARRISON	USA	2007	3:01.26	YOSHI OYAKAWA	USA	2003	3:16.06	WERNER MULLER	GER	2003
2:32.49	JOHN CRISP	AUS	2005	3:02.74	FRANS VAN ENST	NED	2010	3:16.12	WILLIAM LETCH	GBR	2010
2:32.94	WERNER SCHNABEL	GER	2006	3:04.17	MAMPEI SEINO	JPN	2003	3:16.61	TAKASHI HAYASHI	JPN	2004
2:33.16	BURWELL JONES	USA	2005	3:04.30	BOB BARRY	AUS	2002	3:20.43	DAVE MCLACHLAN	RSA	2009
2:34.60	NIC GEERS	NED	2008	50 M. BRST				200 M. I.M.			
400 M. FREE				37.23	YOSHIIKO OSAKI	JPN	2009	2:44.36	BARRY YOUNG	NZL	2009
5:12.05	GRAHAM JOHNSTON	USA	2001	37.47	KARL WIEDAMANN	USA	2008	2:58.06	BURWELL JONES	USA	2003
5:17.20	DAVID RADCLIFF	USA	2008	37.93	AKIO SUGIYAMA	JPN	2004	2:58.81	JACK KELSO	CAN	2010
5:24.85	JOHN CRISP	AUS	2006	37.96	CHARLES BALDWIN	USA	2000	2:59.90	RONALD JOHNSON	USA	2001
5:25.70	WERNER SCHNABEL	GER	2006	37.98	JOHN KORTHEUER	USA	2001	3:01.09	IKURO SHIMONO	JPN	2009
5:28.64	BURWELL JONES	USA	2005	38.12	JURGEN ZIMMERMANN	GER	2009	3:01.56	GRAHAM JOHNSTON	USA	2002
5:29.04	BARRY YOUNG	NZL	2009	38.23	TONY GOODWIN	AUS	2009	3:01.60	JOHN CRISP	AUS	2005
5:29.24	CAV CAVANAUGH	USA	2005	38.28	JACK KELSO	CAN	2010	3:03.87	EWALD BASTEK	POL	2009
5:29.63	MASATO YOSHINO	JPN	2010	38.28	HIROFUMI HOSOTANI	JPN	2005	3:04.66	MOTOHISA HIROSE	JPN	2008
5:31.53	DAVID HARRISON	USA	2007	38.29	MANUEL SANGUILY	USA	2003	3:06.10	CHRISTIAN THIESS	AUS	2008
5:33.24	NIC GEERS	NED	2008	100 M. BRST				400 M. I.M.			
800 M. FREE				1:24.71	KARL WIEDAMANN	USA	2008	5:57.81	BARRY YOUNG	NZL	2009
10:45.92	GRAHAM JOHNSTON	USA	2002	1:25.53	TONY GOODWIN	AUS	2007	6:32.11	BURWELL JONES	USA	2003
10:49.02	DAVID RADCLIFF	USA	2006	1:26.25	BARRY YOUNG	NZL	2009	6:34.43	GRAHAM JOHNSTON	USA	2001
11:19.41	JOHN CRISP	AUS	2005	1:26.41	TETSUO NAKAMARU	JPN	2005	6:41.36	IKURO SHIMONO	JPN	2009
11:19.55	BURWELL JONES	USA	2005	1:26.70	THOMAS WALKER	GBR	2005	6:47.83	JOHN CRISP	AUS	2005
11:25.71	ERNIE LESKOVITZ	USA	2006	1:26.78	MICHAEL MOLONEY	AUS	2009	6:48.47	DAVID MCLACHLAN	RSA	2008
11:33.11	WERNER SCHNABEL	GER	2006	1:26.90	HANS REICHEL	GER	2007	6:51.60	CHRISTIAN THIESS	AUS	2008
11:34.12	MASATO YOSHINO	JPN	2009	1:27.33	MASARU SHINKAI	JPN	2010	6:51.94	MICHAEL MOLONEY	AUS	2009
11:35.33	DAVID HARRISON	USA	2007	1:27.70	CLAUDIO NEGRI	ITA	2006	6:52.07	FRANK PIEMME	USA	1995
11:44.46	YASUSHI YAMAGUCHI	JPN	2009	1:27.73	JURGEN ZIMMERMANN	GER	2009	6:53.78	ANRI VESHCHAGIN	RUS	2006
11:46.02	NIC GEERS	NED	2008	200 M. BRST				*****			
1500 M. FREE				3:04.79	MICHAEL MOLONEY	AUS	2009	*****			
20:36.56	GRAHAM JOHNSTON	USA	2001	3:07.50	KARL WIEDAMANN	USA	2008	*****			
21:07.50	DAVID RADCLIFF	USA	2008	3:09.27	TONY GOODWIN	AUS	2008	*****			
21:49.74	WERNER SCHNABEL	GER	2006	3:11.67	CLAUDIO NEGRI	ITA	2006	*****			
21:53.77	BURWELL JONES	USA	2005	3:12.61	HANS REICHEL	GER	2008	50 M. FREE			
22:01.12	JOHN CRISP	AUS	2005	3:14.76	THOMAS WALKER	GBR	2006	30.28	DAVID RADCLIFF	USA	2009
								30.63	SHINGO YAMAMOTO	JPN	2008



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30.82 DONALD HILL	USA 2009	37.51 KEIJIRO NAKAMURA	JPN 1998	36.06 ASHLEY JONES	USA 2006
31.14 ALDO EMINENTE	FRA 2006	38.08 CLARKE MITCHELL	USA 2007	36.52 MASAYASU KAMIYA	JPN 2009
31.19 FRANK PIEMME	USA 2000	39.24 PAUL HUTINGER	USA 2000	36.73 WERNER MULLER	GER 2008
31.35 CLARKE MITCHELL	USA 2009	39.48 MAMPEI SEINO	JPN 2007	36.98 BOB BAILIE	USA 2010
31.38 YOSHI OYAKAWA	USA 2008	39.49 RAY TAFT	USA 1994	37.37 TSUTOMU KAJIHARA	JPN 2008
31.42 ANDERS SODERQVIST	SWE 2008	39.61 CHARLES BALDWIN	USA 2005	37.45 MASARU IGARASHI	JPN 2010
31.45 WOLFRAM GOTTFRIED	GER 2007	40.31 MASAYASU KAMIYA	JPN 2009	100 M. FLY	
32.04 MAX VAN GELDER	AUS 2005	100 M. BACK		1:26.04 TAKASHI HAYASHI	JPN 2008
100 M. FREE		1:20.98 BURWELL JONES	USA 2009	1:28.30 GIULIO DIVANO	ITA 2009
1:06.63 DAVID RADCLIFF	USA 2009	1:21.52 YOSHI OYAKAWA	USA 2008	1:28.72 WERNER MULLER	GER 2008
1:10.02 SHINGO YAMAMOTO	JPN 2008	1:22.05 S.SEKIKAWA	JPN 2009	1:31.89 BURWELL JONES	USA 2010
1:10.38 GRAHAM JOHNSTON	USA 2006	1:26.00 CLARKE MITCHELL	USA 2007	1:34.89 WILLIAM LAUER	USA 2010
1:11.83 BURWELL JONES	USA 2008	1:26.00 KEIJIRO NAKAMURA	JPN 1998	1:35.24 MASAYASU KAMIYA	JPN 2007
1:13.84 RAYMOND TAFT	USA 1995	1:27.24 MAMPEI SEINO	JPN 2007	1:35.81 FRANK PIEMME	USA 2000
1:14.00 SHOICHI SHIDA	JPN 2001	1:29.41 GERHARD HOLE	GER 2010	1:36.38 MASARU IGARASHI	JPN 2010
1:14.24 FRANK PIEMME	USA 2001	1:29.47 ROGER FRANKS	USA 2002	1:37.03 ROBERT PFERSDORFF	GER 1999
1:14.79 JOHN CRISP	AUS 2010	1:29.52 RAYMOND TAFT	USA 1995	1:37.37 ERIVALDO LIMA	BRA 2008
1:14.82 ALDO EMINENTE	FRA 2006	1:29.93 PAUL HUTINGER	USA 2000	200 M. FLY	
1:14.85 MASAYASU KAMIYA	JPN 2009	200 M. BACK		3:26.28 TAKASHI HAYASHI	JPN 2008
200 M. FREE		2:57.72 BURWELL JONES	USA 2010	3:31.90 WERNER MULLER	GER 2009
2:25.66 DAVID RADCLIFF	USA 2009	3:04.07 S.SEKIKAWA	JPN 2010	3:33.34 GIULIO DIVANO	ITA 2010
2:35.32 BURWELL JONES	USA 2009	3:10.25 ROGER FRANKS	USA 2002	3:34.30 MAURICE LUSIEN	FRA 2001
2:36.30 GRAHAM JOHNSTON	USA 2006	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
2:49.44 GERHARD HOLE	GER 2010	3:17.54 BOB MILLER	USA 2006	3:45.86 JAN ZIEGLER	CZE 2001
2:49.91 FUMIO EGAMI	JPN 2005	3:17.95 THOMAS WALKER	GBR 2010	200 M. I.M.	
2:50.01 FRANK PIEMME	USA 2000	50 M. BRST		3:06.58 BURWELL JONES	USA 2009
400 M. FREE		40.01 TETSUO NAKAMARU	JPN 2010	3:07.29 GERHARD HOLE	GER 2010
5:17.77 DAVID RADCLIFF	USA 2009	40.38 TOSHIO TAJIMA	JPN 2000	3:13.53 GRAHAM JOHNSTON	USA 2006
5:32.06 GRAHAM JOHNSTON	USA 2006	40.41 DON BIDWELL	NZL 2009	3:18.35 FRANK PIEMME	USA 2000
5:33.42 BURWELL JONES	USA 2009	40.44 WERNER MULLER	GER 2008	3:18.81 GIULIO DIVANO	ITA 2010
5:39.94 JOHN CRISP	AUS 2010	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.	
6:09.64 BOB BARRY	AUS 2006	100 M. BRST		6:48.48 BURWELL JONES	USA 2009
800 M. FREE		1:29.55 TETSUO NAKAMARU	JPN 2010	6:58.19 GIULIO DIVANO	ITA 2009
11:07.90 DAVID RADCLIFF	USA 2009	1:31.90 TSUTOMU KAJIHARA	JPN 2008	7:08.74 GRAHAM JOHNSTON	USA 2007
11:25.95 GRAHAM JOHNSTON	USA 2006	1:32.06 SHUNSAKU TAKAHIRA	JPN 2007	7:14.22 ANRI VERESHCHAGIN	RUS 2009
11:59.76 JOHN CRISP	AUS 2010	1:32.46 PETER BELL	CAN 2010	7:18.01 KARL HAUTER	GER 2001
12:04.82 IGOR BROVIN	RUS 2009	1:33.29 WERNER MULLER	GER 2008	7:19.30 JOSEF KREJCI	SUI 2008
12:17.40 GIULIO DIVANO	ITA 2009	1:34.93 JOHN KORTHEUER	USA 2006	7:21.08 WERNER MULLER	GER 2008
12:29.76 GERHARD HOLE	GER 2010	1:35.35 HIROFUMI HOSOTANI	JPN 2010	7:21.75 RAYMOND TAFT	USA 1995
12:32.78 JOSEF KREJCI	SUI 2009	1:35.55 ROBERT MACDONALD	USA 2004	7:22.82 BOB BEST	USA 2007
12:33.78 HIROSHI YOSHIMURA	JPN 2006	1:35.70 ROBERT PFERSDORFF	GER 1999	7:25.13 WILLIAM LAUER	USA 2010
12:43.84 TOSABURO HOSOKAWA	JPN 2010	1:35.99 THOMAS WALKER	GBR 2010	*****	
12:46.62 ROGER FRANKS	USA 2002	200 M. BRST		M E N 80-84	
1500 M. FREE		3:28.51 SHUNSAKU TAKAHIRA	JPN 2007	*****	
21:03.06 DAVID RADCLIFF	USA 2009	3:28.63 TSUTOMU KAJIHARA	JPN 2008	50 M. FREE	
22:48.56 JOHN CRISP	AUS 2010	3:30.58 PETER BELL	CAN 2010	32.73 B.SCHLURIKE	GER 2002
23:02.25 GRAHAM JOHNSTON	USA 2006	3:31.13 ERIVALDO LIMA	BRA 2008	33.09 FRANK PIEMME	USA 2005
23:34.20 HIROSHI YOSHIMURA	JPN 2005	3:31.23 THOMAS WALKER	GBR 2010	33.12 KEIJIRO NAKAMURA	JPN 2004
23:50.80 GIULIO DIVANO	ITA 2009	3:32.60 ROBERT MACDONALD	USA 2004	33.88 WOODY BOWERSOCK	USA 1993
24:10.00 TOSABURO HOSOKAWA	JPN 2010	3:33.08 KARL HAUTER	GER 2000	34.03 SHOICHI SAKOMOTO	JPN 1998
24:34.77 ROGER FRANKS	USA 2002	3:34.86 AUGUSTO ROMANO	ITA 1994	34.11 SADAYUKI WAKAI	JPN 2003
24:47.51 GERHARD HOLE	GER 2010	3:35.56 WERNER MULLER	GER 2008	34.23 MAX VAN GELDER	NED 2004
24:49.56 FRANK PIEMME	USA 2000	3:37.64 ASHLEY JONES	USA 2006	34.24 ROGER HALIMI	FRA 2004
24:51.78 DOMEI SUZUKI	JPN 1995	50 M. FLY		34.39 DALE WEBSTER	USA 2006
50 M. BACK		35.66 FRANK PIEMME	USA 2000	34.50 SHOICHI SHIDA	JPN 2007
36.14 YOSHI OYAKAWA	USA 2008	35.68 JEAN LE DALL	FRA 2008	100 M. FREE	
36.38 S.SEKIKAWA	JPN 2008	35.95 TAKASHI HAYASHI	JPN 2008	1:17.11 KEIJIRO NAKAMURA	JPN 2003
36.90 BURWELL JONES	USA 2010	36.01 CLARKE MITCHELL	USA 2007		



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1:17.85 KELLEY LEMMON	PUR 1993	1:35.42 PAUL HUTINGER	USA 2004	1:47.86 KARL HAUTER	GER 2005
1:17.96 SHOICHI SHIDA	JPN 2006	1:36.95 GORO KOBAYASHI	JPN 1998	1:47.88 ANDREW HOLDEN	USA 1999
1:18.77 FRANK PIEMME	USA 2005	1:38.13 DALE WEBSTER	USA 2006	1:49.38 MAX VAN GELDER	NED 2004
1:18.85 ROD BAKER	AUS 2008	1:38.34 JAN ZIEGLER	CZE 2005	1:50.89 SILVANO DANIELI	ITA 2008
1:19.28 HIKOJI UEKI	JPN 1995	1:38.34 SHOICHI SAKOMOTO	JPN 1998	1:52.37 ANTON CERER	USA 1996
1:19.57 RODNEY BAKER	AUS 2009	1:39.11 TOSHIJI SATO	JPN 1996	1:54.46 ROBERT MACDONALD	USA 2009
1:19.97 DALE WEBSTER	USA 2006	1:39.21 HIKOJI UEKI	JPN 1996	1:57.02 MINORU NAGASHIMA	JPN 2007
1:20.27 HIDEAKI KATO	JPN 2001	1:39.91 HORACE KNOWLTON	USA 2009	200 M. FLY	
1:21.01 JOHN MILLS	AUS 2008	200 M. BACK		3:54.51 THOMAS MAINE	USA 2006
200 M. FREE		3:16.82 KEIJIRO NAKAMURA	JPN 2004	4:03.00 JAN ZIEGLER	CZE 2005
2:59.28 HIROSHI YOSHIMURA	JPN 2008	3:30.76 PAUL HUTINGER	USA 2004	4:11.09 ANTON CERER	USA 1998
3:03.45 HIKOJI UEKI	JPN 1995	3:31.36 RAYMOND TAFT	USA 1999	4:11.48 KARL HAUTER	GER 2006
3:04.08 ROD BAKER	AUS 2008	3:33.41 JAN ZIEGLER	CZE 2005	4:28.71 SILVANO DANIELI	ITA 2007
3:04.65 FRANK PIEMME	USA 2005	3:39.22 ROGER FRANKS	USA 2007	4:29.09 HIRONARI UEDA	JPN 2002
3:05.01 KEVIN VICKERY	AUS 2003	3:40.07 TOSHIJI SATO	JPN 1996	4:31.05 LEE ARTH	USA 2006
3:05.78 DAVID LAWLER	AUS 2009	3:41.53 G.SHIMOMOTO	JPN 2006	4:31.44 ALDO DA ROSA	USA 1998
3:07.28 TOSHIO SHIMIZU	JPN 2007	3:41.96 RODNEY BAKER	AUS 2009	4:31.96 WALTER PFEIFFER	USA 1994
3:07.53 KARL HAUTER	GER 2006	3:42.35 GORO KOBAYASHI	JPN 1998	4:41.28 PAUL KRUP	USA 1998
3:09.02 ARAM BOGHOSSIAN	BRA 2009	3:42.95 EDWARD SHEA	USA 1995	200 M. I.M.	
3:09.70 RAYMOND TAFT	USA 1999	50 M. BRST		3:32.82 JAN ZIEGLER	CZE 2005
400 M. FREE		41.68 TOSHIO TAJIMA	JPN 2006	3:34.94 FRANK PIEMME	USA 2005
6:31.17 HIROSHI YOSHIMURA	JPN 2009	43.62 Y.MIYAMOTO	JPN 1998	3:35.20 KARL HAUTER	GER 2006
6:33.71 ROD BAKER	AUS 2008	44.72 GERHARD GIERA	GER 2008	3:41.70 S.KROKOSZYNSKI	POL 2010
6:36.12 FRANK PIEMME	USA 2005	44.99 HORST FRITSCHKE	GER 2006	3:43.19 RAY TAFT	USA 2000
6:39.26 KEVIN VICKERY	AUS 2003	45.38 KARL HAUTER	GER 2005	3:43.82 ALDO DA ROSA	USA 1998
6:40.63 HIKOJI UEKI	JPN 1995	45.45 MAX VAN GELDER	NED 2004	3:44.19 MAX VAN GELDER	NED 2004
6:41.56 DAVID LAWLER	AUS 2009	45.45 HIROMU YOSHIMOTO	JPN 1995	3:45.46 ROBERT MACDONALD	USA 2008
6:42.86 RAYMOND TAFT	USA 1999	45.77 CHARLES URSTADT	USA 2009	3:47.18 ANTON CERER	USA 1996
6:43.99 JAN ZIEGLER	CZE 2006	46.09 BARTON GREENBERG	USA 2004	3:50.06 YUJI SUZUKI	JPN 2009
6:46.59 KARL HAUTER	GER 2006	46.32 YOSHINORI KAWABAT	JPN 2005	400 M. I.M.	
6:49.80 DOMEI SUZUKI	JPN 2000	100 M. BRST		7:38.09 JAN ZIEGLER	CZE 2005
800 M. FREE		1:41.02 TOSHIO TAJIMA	JPN 2005	7:47.73 THOMAS MAINE	USA 2006
13:39.76 ROD BAKER	AUS 2008	1:43.16 JAN ZIEGLER	CZE 2005	7:57.61 KARL HAUTER	GER 2005
13:44.73 HIROSHI YOSHIMURA	JPN 2009	1:43.21 ROBERT MACDONALD	USA 2008	8:03.49 FRANK PIEMME	USA 2005
13:50.05 NORBERT ARTUS	CAN 1994	1:43.74 AL CRAIG	USA 2007	8:05.14 RAYMOND TAFT	USA 1999
14:03.18 DAVID LAWLER	AUS 2009	1:43.85 GERHARD GIERA	GER 2008	8:13.49 ANTON CERER	USA 1997
14:06.39 KARL HAUTER	GER 2006	1:44.94 ZENJI NAKAHARI	JPN 2009	8:14.86 ALDO DA ROSA	USA 1998
14:07.10 JAN ZIEGLER	CZE 2005	1:45.24 Y.MIYAMOTO	JPN 1997	8:39.57 LEE ARTH	USA 2005
14:12.89 FRANK PIEMME	USA 2005	1:45.54 FRANK PIEMME	USA 2005	8:45.17 WALTER PFEIFFER	USA 1994
14:14.53 KEVIN VICKERY	AUS 2003	1:45.58 KARL HAUTER	GER 2008	9:08.24 TED ROACH	CAN 2005
14:17.00 D.CASOLINO	ITA 2009	1:45.99 MAX VON ISSER	USA 1999	*****	
14:19.22 RAYMOND TAFT	USA 1999	200 M. BRST		M E N 85-89	
1500 M. FREE		3:47.81 AL CRAIG	USA 2007	*****	
25:59.56 HIROSHI YOSHIMURA	JPN 2008	3:47.98 KARL HAUTER	GER 2005	50 M. FREE	
26:52.76 FRANK PIEMME	USA 2005	3:48.49 ROBERT MACDONALD	USA 2008	33.94 KEIJIRO NAKAMURA	JPN 2008
26:52.93 RAYMOND TAFT	USA 1999	3:49.18 ZENJI NAKAHARI	JPN 2009	35.77 WOODROW BOWERSOCK	USA 1998
27:00.00 DAVID LAWLER	AUS 2009	3:53.23 JAN ZIEGLER	CZE 2005	35.85 FRANK PIEMME	USA 2010
27:09.47 HIROSHI IMAIZUMI	JPN 2005	3:55.20 AUGUSTO ROMANO	ITA 1998	36.40 JAMES EUBANK	USA 2000
27:14.31 JURGEN SCHMIDT	USA 2003	3:58.31 ISAO FUNAMOTO	JPN 2002	36.41 GORO KOBAYASHI	JPN 2002
27:14.65 KARL HAUTER	GER 2006	3:58.49 MAX VAN GELDER	NED 2004	37.21 ANDREW HOLDEN	USA 2004
27:22.43 JAN ZIEGLER	CZE 2006	3:59.36 THOMAS MAINE	USA 2006	37.33 WILLARD LAMB	USA 2008
27:50.80 D.CASOLINO	ITA 2009	3:59.90 Y.MIYAMOTO	JPN 1997	37.67 SHOICHI SAKAMOTO	JPN 2004
28:09.66 HORST FRITSCHKE	GER 2006	50 M. FLY		38.12 ROGER HALIMI	FRA 2007
50 M. BACK		40.65 FRANK PIEMME	USA 2005	38.73 GOUGH WILLIAMS	AUS 2001
38.41 KEIJIRO NAKAMURA	JPN 2003	40.95 TOSHIO TAJIMA	JPN 2005	100 M. FREE	
40.71 SHOICHI SAKOMOTO	JPN 1998	41.36 MAX VAN GELDER	NED 2004	1:23.25 FRANK PIEMME	USA 2010
41.40 PAUL HUTINGER	USA 2004	41.67 SUEO YAMAGUCHI	JPN 2009	1:23.52 KEIJIRO NAKAMURA	JPN 2008
42.13 SHOICHI SHIDA	JPN 2008	41.81 SILVANO DANIELI	ITA 2008	1:23.87 JIM EUBANK	USA 2001
42.49 RAYMOND TAFT	USA 1999	41.89 ANDREW HOLDEN	USA 1999	1:26.48 GORO KOBAYASHI	JPN 2002
42.71 MASAKI INABA	JPN 2006	42.22 Y.MIYAMOTO	JPN 1998	1:26.71 HIKOJI UEKI	JPN 2000
42.96 GORO KOBAYASHI	JPN 1998	42.89 RAYMOND TAFT	USA 1999	1:26.78 WILLARD LAMB	USA 2007
43.10 DALE WEBSTER	USA 2006	43.52 GERHARD GIERA	GER 2008	1:27.61 WOODROW BOWERSOCK	USA 1998
43.15 TOSHIJI SATO	JPN 1995	43.54 MAX VON ISSER	USA 1999	1:30.30 JIRO KOBAYASHI	JPN 2010
43.34 MAX VAN GELDER	NED 2004	100 M. FLY		1:31.70 GOUGH WILLIAMS	AUS 2001
100 M. BACK		1:45.50 THOMAS MAINE	USA 2006	1:34.42 TOKUSHI KOMEDA	JPN 1999
1:26.97 KEIJIRO NAKAMURA	JPN 2003	1:45.53 JAN ZIEGLER	CZE 2006	200 M. FREE	
1:35.36 RAYMOND TAFT	USA 1999	1:46.11 FRANK PIEMME	USA 2005		



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2010)

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				45.66	TOSHIO TAJIMA	JPN	2010	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 ASAKA	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	50.30	THOMAS MAINE	USA	2010	1:40.54	TOKUSHI KOMEDA	JPN	2004
45.16	TOSHIJI SATO	JPN	2000	50.64	MAX VON ISSER	USA	2006	1:43.22	WOODY BOWERSOCK	USA	2003
45.33	SHOICHI SAKAMOTO	JPN	2004	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	54.98	WALTER PFEIFFER	USA	2000	1:56.60	GASTAO FIGUEIREDO	BRA	2000
49.14	ANDREW HOLDEN	USA	2004	100 M. FLY				1:57.91	GUS LANGNER	USA	1993
100 M. BACK				1:55.18	THOMAS MAINE	USA	2010	1:58.36	R.REINSTADTLER	GER	2003
1:31.65	KEIJIRO NAKAMURA	JPN	2008	2:02.53	ANDREW HOLDEN	USA	2004	200 M. FREE			
1:36.34	GORO KOBAYASHI	JPN	2001	2:05.21	KARL HAUTER	GER	2010	3:54.89	TOKUSHI KOMEDA	JPN	2004
1:41.25	TOSHIJI SATO	JPN	2000	2:05.39	FRANK PIEMME	USA	2010	4:10.40	WOODY BOWERSOCK	USA	2003
1:48.68	HIKOJI UEKI	JPN	2000	2:10.28	WALTER PFEIFFER	USA	1999	4:19.52	MASAHISA KANEKO	JPN	2002
1:49.24	WILLARD LAMB	USA	2008	2:11.44	ANTON CERER	USA	2002	4:28.34	GUS LANGNER	USA	1993
1:49.54	ALDO DA ROSA	USA	2002	2:12.47	MAX VAN GELDER	NED	2009	4:28.88	NILS FERM	SWE	2008
1:51.56	ALAN WEEDEN	USA	2009	2:17.29	PAUL KRUP	USA	2002	4:30.92	MIRIO VINCENTIN	ARG	2009
1:51.83	C.SCHERER	GER	1999	2:17.55	PAUL HUTINGER	USA	2009	4:32.78	ALFREDO CHERCHI	AUS	1997
1:53.16	NILS FERM	SWE	2002	2:20.76	FRANK GRANNIS	USA	2009	4:38.25	JIM TRIOLO	USA	2004
1:53.67	R.REINSTADTLER	GER	1997	200 M. FLY				4:38.57	ARTHUR THOMAS	AUS	2007
200 M. BACK				4:15.86	THOMAS MAINE	USA	2010	4:41.93	BELA BANKI	HUN	2010
3:28.59	KEIJIRO NAKAMURA	JPN	2008	4:46.99	KARL HAUTER	GER	2010				



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400 M. FREE		57.20	HIROMU YOSHIMOTO	JPN 2005	*****	
8:13.45 TOKUSHI KOMEDA	JPN 2004	1:00.75	SEIJI TAKAHASHI	JPN 2005	50 M. FREE	
9:35.43 ARTHUR THOMAS	AUS 2007	1:01.64	BRUD CLEAVELAND	USA 2007	55.88 GUS LANGNER	USA 1998
9:39.37 WOODY BOWERSOCK	USA 2003	1:01.79	GEORGE CORONES	AUS 2009	56.99 KAZUNAGA AKUTSU	JPN 2007
9:40.04 ALFREDO CHERCHI	AUS 1997	1:02.56	ALFRED SCHULHOF	CAN 2010	1:03.14 JARING TIMMERMAN	CAN 2005
9:40.14 CARLOS VINCENTIN	ARG 2009	1:04.60	BELA BANKI	HUN 2010	1:06.06 COLLISTER WHEELER	USA 1988
9:44.11 GUS LANGNER	USA 1993	1:04.85	RAYMOND HAKOMAKI	USA 2010	1:06.93 ALFREDO CHERCHI	AUS 2003
9:44.99 NILS FERM	SWE 2007	1:05.84	MITSUO SHIMO	JPN 1999	1:14.72 JOHN HARRISON	GBR 2009
9:48.38 JOHN HARRISON	GBR 2004	1:06.04	Y.MIYAMOTO	JPN 2007	1:17.45 ALDO CAPUTI	ITA 2010
9:55.55 HEINZ SIEGEL	GER 2004	1:06.22	R.REINSTADTLER	GER 2002	1:20.07 ELI BARREIRO	ECU 2001
10:24.47 BELA BANKI	HUN 2010	100 M. BRST			1:20.52 TOM LANE	USA 1989
800 M. FREE		2:15.43	HIROMU YOSHIMOTO	JPN 2005	1:26.22 ROMAN JEZEK	CAN 2009
17:54.42 TOKUSHI KOMEDA	JPN 2005	2:23.53	RAYMOND HAKOMAKI	USA 2010	100 M. FREE	
19:36.32 NILS FERM	SWE 2007	2:28.24	BRUD CLEAVELAND	USA 2007	2:17.59 KAZUNAGA AKUTSU	JPN 2007
20:09.22 JOHN HARRISON	GBR 2004	2:30.45	ALFRED SCHULHOF	CAN 2010	2:29.32 GUS LANGNER	USA 1998
20:13.74 GUS LANGNER	USA 1993	2:30.49	GEORGE CORONES	AUS 2008	2:31.44 JARING TIMMERMAN	CAN 2005
20:50.22 JOHN MERRILL	USA 2008	2:31.40	MASAHISA KANEKO	JPN 2002	2:44.63 JOHN HARRISON	GBR 2009
21:07.17 WOODY BOWERSOCK	USA 2003	2:34.78	BELA BANKI	HUN 2010	3:07.28 ELI BARREIRO	ECU 2001
21:48.18 RICHARD SMITH	USA 2010	2:39.02	HANS PAUL	GER 1998	3:10.45 JEAN LEEMPUT	FRA 2009
21:55.42 HUGH MCGREGOR	CAN 2009	2:42.38	RUSS WITTE	USA 2009	3:29.15 ROMAN JEZEK	CAN 2009
22:49.25 JOHN BRICE	AUS 2009	2:44.14	DERRICK DAVEY	GBR 2004	3:30.27 ETSURO YASUI	JPN 2006
22:56.16 RICHARD TYBOUT	USA 2010	200 M. BRST			3:30.59 TOM LANE	USA 1992
1500 M. FREE		5:17.47	HIROMU YOSHIMOTO	JPN 2005	4:27.45 J.STORZ	FRA 2010
36:47.02 GUS LANGNER	USA 1993	5:26.11	GEORGE CORONES	AUS 2009	200 M. FREE	
37:21.89 NILS FERM	SWE 2007	5:35.18	MASAHISA KANEKO	JPN 2002	5:13.23 GUS LANGNER	USA 1998
38:56.19 JOHN HARRISON	GBR 2004	5:49.32	BELA BANKI	HUN 2010	5:56.17 JARING TIMMERMAN	CAN 2005
39:36.67 WALTER PFEIFFER	USA 2004	5:55.72	BRUD CLEAVELAND	USA 2007	6:30.80 GARY WEISENTHAL	USA 2008
40:59.21 RICHARD SMITH	USA 2010	6:04.55	ALFRED SCHULHOF	CAN 2010	7:54.76 ROMAN JEZEK	CAN 2009
43:02.08 HUGH MCGREGOR	CAN 2010	6:11.58	RUSS WITTE	USA 2009	10:27.88 J.STORZ	FRA 2010
43:09.40 BUD JACKSON	USA 2010	6:18.26	ROMAN JEZEK	CAN 2004	400 M. FREE	
51:09.50 GARY WEISENTHAL	USA 2003	6:20.86	BUD JACKSON	USA 2010	11:30.53 GUS LANGNER	USA 1998
52:41.53 PAUL E. SPANGLER	USA 1990	6:24.54	GUS LANGNER	USA 1993	13:43.10 GARY WEISENTHAL	USA 2008
72:43.69 JACK MATHIESON	AUS 2007	50 M. FLY			20:38.12 JEAN STORZ	FRA 2009
50 M. BACK		1:00.30	WALTER PFEIFER	USA 2003	800 M. FREE	
46.82 GORO KOBAYASHI	JPN 2006	1:05.95	ANDREW HOLDEN	USA 2009	22:28.28 GUS LANGNER	USA 1998
53.26 KAZUNAGA AKUTSU	JPN 2002	1:10.34	HEINZ SIEGEL	GER 2004	28:18.13 GARY WEISENTHAL	USA 2008
53.99 R.REINSTADTLER	GER 2002	1:11.54	R.REINSTADTLER	GER 2002	1500 M. FREE	
54.07 TOSHIJI SATO	JPN 2005	1:11.57	TOKUSHI KOMEDA	JPN 2004	47:30.40 GUS LANGNER	USA 1999
54.39 BELA BANKI	HUN 2010	1:12.66	ALDO CAPUTI	ITA 2005	50 M. BACK	
54.41 MASAHISA KANEKO	JPN 2003	1:21.55	JOHN HARRISON	GBR 2004	1:01.61 TOSHIJI SATO	JPN 2010
55.45 JOHN MERRILL	USA 2008	1:23.87	JESSE COON	USA 2000	1:03.32 KAZUNAGA AKUTSU	JPN 2007
56.43 WOODY BOWERSOCK	USA 2003	1:26.07	JIM PENFIELD	USA 1998	1:10.06 NORI YAMAMOTO	JPN 2005
56.69 NILS FERM	SWE 2008	2:06.54	EUGENE LEHMAN	CAN 2006	1:10.49 JEAN LEEMPUT	FRA 2009
57.73 SHOGORO AZUMA	JPN 2002	100 M. FLY			1:12.29 JOHN HARRISON	GBR 2009
100 M. BACK		2:31.03	WALTER PFEIFER	USA 2003	1:16.30 TOM LANE	USA 1989
1:45.46 GORO KOBAYASHI	JPN 2006	2:46.91	ALDO CAPUTI	ITA 2005	1:20.41 SHOGORO AZUMA	JPN 2007
2:04.48 TOSHIJI SATO	JPN 2006	3:29.53	JESSE COON	USA 2000	1:23.77 ALFREDO CHERCHI	AUS 2002
2:04.94 R.REINSTADTLER	GER 2002	200 M. FLY			1:28.47 GARY WEISENTHAL	USA 2008
2:06.63 BELA BANKI	HUN 2010	5:51.79	WALTER PFEIFER	USA 2003	1:28.61 MARTIN SCHMIDT	GER 2009
2:07.20 JOHN MERRILL	USA 2007	6:05.42	ALDO CAPUTI	ITA 2005	100 M. BACK	
2:07.37 NILS FERM	SWE 2008	8:22.48	JESSE COON	USA 2000	2:22.83 TOSHIJI SATO	JPN 2010
2:10.36 WOODY BOWERSOCK	USA 2003	200 M. I.M.			2:31.61 KAZUNAGA AKUTSU	JPN 2007
2:11.19 MASAHISA KANEKO	JPN 2003	5:02.64	TOKUSHI KOMEDA	JPN 2004	2:42.01 JOHN HARRISON	GBR 2009
2:15.97 ALFRED SCHULHOF	CAN 2010	5:12.11	WALTER PFEIFER	USA 2003	2:54.90 NORI YAMAMOTO	JPN 2005
2:18.51 NORI YAMAMOTO	JPN 1999	5:43.35	ALDO CAPUTI	ITA 2005	3:04.37 GARY WEISENTHAL	USA 2008
200 M. BACK		6:10.88	JOHN HARRISON	GBR 2005	3:15.35 ALDO CAPUTI	ITA 2010
4:05.77 GORO KOBAYASHI	JPN 2007	6:25.78	JESSE COON	USA 2000	3:19.14 TOM LANE	USA 1992
4:32.63 NILS FERM	SWE 2009	7:02.80	JIM PENFIELD	USA 1998	3:19.24 JARING TIMMERMAN	CAN 2005
4:33.77 BELA BANKI	HUN 2010	7:08.31	PETER JURCZYK	USA 1996	3:32.44 ALFREDO CHERCHI	AUS 2003
4:34.60 R.REINSTADTLER	GER 2002	7:23.22	ANDREW KALLUNKI	USA 1995	3:33.74 ROMAN JEZEK	CAN 2009
4:41.28 TOSHIJI SATO	JPN 2005	7:25.47	HARUO ENDO	JPN 2002	200 M. BACK	
4:42.14 JOHN HARRISON	GBR 2004	400 M. I.M.			5:30.07 TOSHIJI SATO	JPN 2010
4:46.15 JOHN MERRILL	USA 2008	11:19.91	WALTER PFEIFER	USA 2003	6:10.65 JOHN HARRISON	GBR 2010
4:54.50 ALFRED SCHULHOF	CAN 2010	13:52.72	JESSE COON	USA 2000	6:38.69 GARY WEISENTHAL	USA 2008
4:58.86 WOODY BOWERSOCK	USA 2003	*****			8:19.55 ALFREDO CHERCHI	AUS 2002
5:02.16 H.MIYAZAKI	JPN 2010				50 M. BRST	
50 M. BRST			M E N 95-99		1:10.83 HIROMU YOSHIMOTO	JPN 2010



FINA WORLD MASTERS TOP 10 - LONG COURSE METERS - ALL TIME (1986-2010)

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