



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

WOMEN 25-29

50 M. FREE		
25.42 SUMIKA KOMATSU	JPN	2006
25.61 HANNAH KEEN	GBR	2012
25.66 GEORGINA HEYN	GBR	2011
26.03 ANDREA GEOROFF	USA	2011
26.07 SANDRA KAZIKOVA	CZE	2003
26.12 MARIA FUSTER	ESP	2012
26.13 NADINE ROLLAND	CAN	2004
26.16 ALISON TERRY	USA	1999
26.18 SOPHIA SKOU	DEN	2002
26.19 LISA ANDERSSON	SWE	2007
100 M. FREE		
55.28 MARIA FUSTER	ESP	2012
55.28 HANNA SHCHERBA	FRA	2010
56.27 GEORGINA HEYN	GBR	2011
56.30 SHEILA TAORMINA	USA	1996
56.67 HANNAH KEEN	GBR	2012
56.91 A.CISNEROS	USA	2008
56.96 HITOMI MATSUDA	JPN	2005
56.98 AIMEE RAMM	GBR	2007
57.09 CELINE BAILLOD	SUI	2007
57.10 ALISON TERRY	USA	1999
200 M. FREE		
1:59.78 SHEILA TAORMINA	USA	1996
2:01.89 CAROLINE SAXBY	GBR	2011
2:02.50 TATIANA BARBOSA	BRA	2007
2:04.59 HITOMI MATSUDA	JPN	2005
2:05.67 CELINE BAILLOD	SUI	2007
2:05.72 SAMUELA MAGNELLI	ITA	2009
2:05.80 REBECCA WILLIAMS	NZL	1990
2:06.08 BARBARA KEHBEIN	GER	1998
2:06.20 HEIDI HANNENIAN	USA	1997
2:06.28 KATIE HENDERSON	GBR	2009
2:06.28 TARA HUTT	GBR	2005
400 M. FREE		
4:17.77 FLAVIA RIGAMONTI	USA	2007
4:18.20 CAROLINE SAXBY	GBR	2011
4:24.18 SHEILA TAORMINA	USA	1996
4:25.94 LYNN MARSHALL	CAN	1990
4:26.18 DIANE GRANER	USA	1989
4:26.56 CHANTAL DUCK	BEL	1993
4:27.07 KELLY HIGGINS	AUS	2010
4:27.54 REBECCA WILLIAMS	NZL	1990
4:27.78 SUSANNE KELLER	SUI	2009
4:27.78 LOUISE STEVENSON	AUS	2009
800 M. FREE		
8:51.18 SHEILA TAORMINA	USA	1996
8:57.39 HITOMI MATSUDA	JPN	2006
8:57.67 SUSANNE KELLER	SUI	2009
9:00.84 PAULA WOOD	GBR	2007
9:07.19 S. PALMER-WHITE	AUS	1991
9:08.09 MARIE ATKINSON	GBR	2001
9:11.88 LAURA MCCLEMONT	CAN	2011
9:12.01 MELODY REMNANT	AUS	2011
9:12.32 LYNN MARSHALL	CAN	1991
9:13.49 AYANO YAMAGUCHI	JPN	2011
1500 M. FREE		
16:36.07 SHEILA TAORMINA	USA	1996
16:47.66 SUSANNE KELLER	SUI	2009
17:00.63 HITOMI MATSUDA	JPN	2006
17:20.28 MELODY REMNANT	AUS	2011
17:24.96 PAULA WOOD	GBR	2007
17:29.81 CHANTAL DUCK	BEL	1993
17:30.18 KAREN BURTON	USA	1991

17:32.82 LAURA MCCLEMONT	CAN	2011
17:36.04 DIANE M. GRANER	USA	1990
17:36.61 LYNN MARSHALL	CAN	1990
50 M. BACK		
28.92 DIANA MACMANUS	USA	2012
29.20 AKIKO MIZUMOTO	JPN	2006
29.25 AYA SHIMODA	JPN	2010
29.53 ANE SASETA	ESP	2011
29.60 EMILIE JORON	FRA	2006
29.75 CARLA STAMPFLI	SUI	2012
29.90 MICHELA VIGNOTTO	ITA	1999
29.92 C. MARGRISON	AUS	2011
30.04 KANA OHASHI	JPN	2003
30.05 CAMILLA JOHANSSON	USA	2002
100 M. BACK		
1:02.32 AKIKO MIZUMOTO	JPN	2007
1:02.48 KANA OHASHI	JPN	2007
1:02.99 ANE SASETA	ESP	2011
1:03.26 CAMILLA JOHANSSON	USA	2002
1:03.29 F.ALVARENGA	BRA	2012
1:03.33 LIA OBERSTAR	USA	2001
1:03.43 EMILIE JORON	FRA	2006
1:03.70 DIANA MACMANUS	USA	2012
1:03.73 FANNY LECLERCQ	FRA	2011
1:03.77 MARION ZOLLER	GER	1995
200 M. BACK		
2:12.84 KANA OHASHI	JPN	2005
2:14.77 LIA OBERSTAR	USA	2001
2:16.45 MARION ZOLLER	GER	1995
2:17.86 JOLANDA DE ROVER	NED	1992
2:18.22 KELLY HARRIGAN	USA	2010
2:18.65 CAMILLA JOHANSSON	USA	2002
2:19.05 PAMELA HANSON	USA	2004
2:19.74 MARION BLANCHARD	FRA	2012
2:20.10 CARLA BORGES	BRA	2008
2:20.12 BIRGIT DEURING	GER	1996
50 M. BRST		
31.59 NICOLE HEIDEMANN	GER	2011
31.87 MEGAN JENDRICK	USA	2010
31.95 YOSHIMI MIWA	JPN	2012
32.20 TRACEY MIRANDE	USA	1995
32.25 GEORGINA HEYN	GBR	2011
32.25 CELINE BAILLOD	SUI	2007
32.76 HITOMI MATSUDA	JPN	2006
32.80 RILEY WEST	CAN	2004
32.85 LINDA LUND	DEN	2009
33.08 HANNA ERIKSSON	SWE	2011
100 M. BRST		
1:09.38 GEORGINA HEYN	GBR	2011
1:09.80 LINDA LUND	DEN	2009
1:10.04 MEGAN JENDRICK	USA	2012
1:10.17 KATIE HENDERSON	GBR	2009
1:10.55 HITOMI MATSUDA	JPN	2005
1:10.65 NICOLE HEIDEMANN	GER	2011
1:10.68 JULIA VENDEVILLE	FRA	2009
1:10.71 MANUELA NACKEL	GER	1998
1:11.00 CELINE BAILLOD	SUI	2007
1:11.80 RILEY WEST	CAN	2004
200 M. BRST		
2:29.80 MEGAN JENDRICK	USA	2012
2:30.29 KATIE HENDERSON	GBR	2009
2:31.18 HITOMI MATSUDA	JPN	2006
2:31.44 GEORGINA HEYN	GBR	2011
2:32.73 RILEY WEST	CAN	2004
2:33.67 NICOLE HEIDEMANN	GER	2011
2:35.66 ANDREA PACKARD	USA	2001
2:36.82 KATJA BRASCHOS	GER	2007

2:36.93 LINDA LUND	DEN	2009
2:37.16 NATHALIE ELORRIET	FRA	2000
50 M. FLY		
27.29 YUKO NAKANISHI	JPN	2010
27.84 C. MARGRISON	AUS	2011
27.88 NADINE ROLLAND	CAN	2004
27.89 A.CISNEROS	USA	2008
27.98 MABI TSUKIOKA	JPN	2008
28.02 MARIA FUSTER	ESP	2012
28.11 AIMEE RAMM	GBR	2007
28.16 SOPHIA SKOU	DEN	2004
28.17 SARAH HEALEY	GBR	2008
28.22 ROSER VIVES	ESP	2012
100 M. FLY		
1:00.18 YUKO NAKANISHI	JPN	2010
1:01.33 SHEILA TAORMINA	USA	1996
1:01.37 A.CISNEROS	USA	2008
1:01.46 HITOMI MATSUDA	JPN	2005
1:01.70 LINDA LUND	DEN	2009
1:01.97 SOPHIA SKOU	DEN	2004
1:02.16 ANDREA GEOROFF	USA	2011
1:02.18 SARAH HEALEY	GBR	2008
1:03.18 MABI TSUKIOKA	JPN	2008
1:03.36 AIMEE RAMM	GBR	2007
200 M. FLY		
2:09.64 YUKO NAKANISHI	JPN	2010
2:17.13 S. PALMER-WHITE	AUS	1991
2:17.19 HITOMI MATSUDA	JPN	2006
2:19.30 SANDRA TEMMERMAN	NED	2005
2:20.82 BARBARA KEHBEIN	GER	1997
2:21.46 LIA OBERSTAR	USA	2004
2:22.33 ELVIRA JONKERS	NED	2005
2:22.67 KATHARINA STEPHAN	GER	2012
2:23.30 JACKIE THOMPSON	GBR	1994
2:23.46 SAMUELA MAGNELLI	ITA	2009
100 M. I.M.		
1:03.41 MEGAN JENDRICK	USA	2011
1:03.67 HITOMI MATSUDA	JPN	2005
1:04.25 HANNA ERIKSSON	SWE	2011
1:04.36 LINDA LUND TIETZE	DEN	2010
1:04.63 GEORGINA HEYN	GBR	2011
1:04.68 YOSHIMI MIWA	JPN	2012
1:04.77 NADINE ROLLAND	CAN	2004
1:04.86 BRITTA O'LEARY	USA	2012
1:04.97 CELINE BAILLOD	SUI	2008
1:05.13 YUKO NAKANISHI	JPN	2010
200 M. I.M.		
2:17.17 HITOMI MATSUDA	JPN	2006
2:17.35 ERIKO KATO	JPN	2009
2:19.48 CELINE BAILLOD	SUI	2007
2:21.70 MARION BLANCHARD	FRA	2011
2:21.79 WENKE HANSEN	USA	1998
2:22.00 KANA OHASHI	JPN	2007
2:22.53 NATALIE EFFEMEY	GBR	2010
2:22.81 CINDY BERTELINK	CAN	2003
2:23.00 ALISON TERRY	USA	1999
2:23.17 MARION ZOLLER	GER	1995
400 M. I.M.		
4:52.13 HITOMI MATSUDA	JPN	2006
4:52.81 ERIKO KATO	JPN	2009
4:55.85 KANA OHASHI	JPN	2006
4:56.01 CELINE BAILLOD	SUI	2008
4:56.98 ALESSANDRA CORTES	BRA	1999
4:58.92 LOUISE STEVENSON	AUS	2009
5:01.26 HELEN SLATTER	GBR	1997
5:01.69 KATIE HENDERSON	GBR	2009
5:02.47 CINDY BERTELINK	CAN	2004



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5:02.54 WENKE HANSEN	USA 1998	17:33.66 KELLY HIGGINS	AUS 2011	2:38.68 SATSUKI HIRUKAWA	JPN 2012
*****		17:44.19 ALISON ZAMANIAN	USA 2004	2:39.59 A.BYSTRZYCKA	POL 2011
*****		17:46.97 JACQUI ROBINSON	AUS 2005	2:39.65 SYLVIA GERASCH	GER 2000
*****		17:48.12 CYNTHIA LEWIS	USA 2009	50 M. FLY	
*****		50 M. BACK		26.79 MARTINA MORAVCOVA	USA 2006
*****		27.43 MAI NAKAMURA	JPN 2009	27.81 METTE JACOBSEN	DEN 2006
*****		27.61 NORIKO INADA	USA 2009	27.89 NORIKO INADA	USA 2011
*****		28.99 METTE JACOBSEN	DEN 2006	27.97 NADINE ROLLAND	CAN 2008
*****		29.44 NADINE ROLLAND	CAN 2005	28.05 KATRINA RADKE	USA 2004
*****		29.53 KANA YAMAGUCHI	JPN 2012	28.16 HITOMI MATSUDA	JPN 2010
*****		29.58 KANA OHASHI	JPN 2009	28.34 WENKE HANSEN	USA 2000
*****		30.03 KATIE BIRCHALL	GBR 2012	28.48 ALFONSINA IRACE	ITA 2010
*****		30.08 NAHOMI SHIRATA	USA 1996	28.56 YAYOI SAKAMOTO	JPN 2009
*****		30.11 GISELI PEREIRA	BRA 2003	28.63 HELENA ABERG	SWE 2005
*****		30.14 D.GRANER-GALLAS	USA 1996	100 M. FLY	
*****		100 M. BACK		59.11 MARTINA MORAVCOVA	USA 2006
*****		59.53 NORIKO INADA	USA 2009	1:00.11 METTE JACOBSEN	DEN 2006
*****		1:00.90 KANA YAMAGUCHI	JPN 2010	1:00.34 ERIKA ERNDL	USA 2012
*****		1:01.39 KANA OHASHI	JPN 2009	1:00.35 HITOMI MATSUDA	JPN 2008
*****		1:02.88 METTE JACOBSEN	DEN 2006	1:01.19 CLAUDIA BECK	GER 2011
*****		1:03.36 K.PIPES-NEILSEN	USA 1996	1:02.39 NADINE ROLLAND	CAN 2005
*****		1:04.03 J HUDGELL	NZL 1986	1:02.65 BERIT PUGGAARD	DEN 2004
*****		1:04.16 D.GRANER-GALLAS	USA 1996	1:02.70 WENKE HANSEN	USA 2000
*****		1:04.30 CAMILLA JOHANSSON	SWE 2004	1:03.04 ANJA BEHA	GER 2005
*****		1:04.45 FLORENCE RIERA	FRA 2012	1:03.21 KATRINA RADKE	USA 2003
*****		1:04.92 KATIE BIRCHALL	GBR 2012	200 M. FLY	
*****		200 M. BACK		2:13.09 HITOMI MATSUDA	JPN 2008
*****		2:11.86 KANA YAMAGUCHI	JPN 2012	2:19.34 LAURA BIANZANI	ITA 2004
*****		2:12.40 KANA OHASHI	JPN 2009	2:19.34 KATRINA RADKE	USA 2003
*****		2:12.47 L.OBERSTAR-BROWN	USA 2008	2:19.64 K.PIPES-NEILSEN	USA 1996
*****		2:13.51 K.PIPES-NEILSEN	USA 1996	2:20.41 L. CARVALHO	AUS 2011
*****		2:18.19 JOANNA CORBEN	GBR 2002	2:21.21 FLORENCE CIOTTI	ITA 2006
*****		2:19.60 D.GRANER-GALLAS	USA 1996	2:23.00 ANTJE AUHL	GER 2009
*****		2:19.66 JO SWATTON	GBR 2000	2:24.17 KATE VEALE	GBR 2000
*****		2:21.41 VALERIE HADD	CAN 2009	2:24.52 MELISSA VARLAS	USA 2005
*****		2:21.80 YOSHIMI HAMADA	JPN 2010	2:24.75 SANDIE EASTON	USA 2001
*****		2:23.22 ORIANA BURGIO	ITA 2012	100 M. I.M.	
*****		50 M. BRST		1:02.07 MARTINA MORAVCOVA	USA 2006
*****		31.12 BRITTA STEVENS	GER 2003	1:02.52 ERIKA ERNDL	USA 2012
*****		31.71 HITOMI MATSUDA	JPN 2010	1:02.55 HITOMI MATSUDA	JPN 2010
*****		31.75 NICOLE HEIDEMANN	GER 2012	1:04.44 NADINE ROLLAND	CAN 2005
*****		32.17 HANNAH CALDAS	USA 2011	1:04.82 NORIKO INADA	USA 2011
*****		32.72 YUKO SAKAGUCHI	JPN 2010	1:04.96 WENKE HANSEN	USA 1999
*****		32.82 WENKE HANSEN	USA 2000	1:05.04 HANNAH CALDAS	USA 2011
*****		32.95 MARIONA COSTA	ESP 2010	1:05.10 SYLVIA GERASCH	GER 2000
*****		33.13 SUKI BROWNSDON	GBR 1995	1:05.16 K.PIPES-NEILSEN	USA 1995
*****		33.60 A.BYSTRZYCKA	POL 2011	1:05.52 KANA YAMAGUCHI	JPN 2011
*****		33.65 NADINE ROLLAND	CAN 2008	200 M. I.M.	
*****		100 M. BRST		2:13.41 HITOMI MATSUDA	JPN 2009
*****		1:06.98 HITOMI MATSUDA	JPN 2010	2:18.79 K.PIPES-NEILSEN	USA 1996
*****		1:10.00 WENKE HANSEN	USA 2000	2:18.89 WENKE HANSEN	USA 2000
*****		1:11.49 MARIONA COSTA	ESP 2010	2:19.07 KANA YAMAGUCHI	JPN 2010
*****		1:11.74 YUKO SAKAGUCHI	JPN 2010	2:22.66 CYNTHIA LEWIS	USA 2009
*****		1:11.81 SUKI BROWNSDON	GBR 1995	2:22.68 LAUREN THIES	USA 2010
*****		1:12.05 CYNTHIA LEWIS	USA 2009	2:22.72 KATRINA RADKE	USA 2003
*****		1:12.61 HANNAH CALDAS	USA 2011	2:22.73 KANA OHASHI	JPN 2009
*****		1:12.67 NICOLE HEIDEMANN	GER 2012	2:23.04 A.JANITZKI	GER 2010
*****		1:12.80 SYLVIA GERASCH	GER 2000	2:23.49 CINDY BERTELINK	CAN 2005
*****		1:12.86 SATSUKI HIRUKAWA	JPN 2010	400 M. I.M.	
*****		200 M. BRST		4:45.07 HITOMI MATSUDA	JPN 2010
*****		2:26.96 HITOMI MATSUDA	JPN 2009	4:51.33 HIDEKO HIRANAKA	JPN 2004
*****		2:30.65 WENKE HANSEN	USA 2000	4:53.85 K.PIPES-NEILSEN	USA 1996
*****		2:35.72 KATIE HENDERSON	GBR 2011	4:55.62 KANA YAMAGUCHI	JPN 2010
*****		2:36.18 NICOLE HEIDEMANN	GER 2012	4:58.16 KANA OHASHI	JPN 2009
*****		2:37.34 A.JANITZKI	GER 2010	5:04.56 BARBARA KEHBEIN	GER 2000
*****		2:37.60 MARIONA COSTA	ESP 2010	5:05.92 ANNE VELEZ	FRA 2011
*****		2:37.84 CYNTHIA LEWIS	USA 2008	5:06.05 SUKI BROWNSDON	GBR 1997



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5:07.17 CYNTHIA LEWIS	USA	2009	17:42.37 ASA NEIJ	SWE	2010	2:41.24 KAREN KEY	GBR	2011
5:07.39 NADINE DAY	USA	2002	17:43.10 BETH KNIGHT	USA	1994	2:41.51 KATIE GLENN	USA	2011
*****			17:46.79 VALERIA VERGANI	ITA	2008	2:42.22 YUKA KAWAI	JPN	2011
*****			17:47.08 SARA NELSON	USA	2008	2:42.58 HELEN GORMAN	GBR	2008
WOMEN 35-39			17:47.18 LYNN MARSHALL	CAN	2000	50 M. FLY		
*****			50 M. BACK			28.37 GISELI PEREIRA	BRA	2009
50 M. FREE			28.68 SHERI HART	USA	2009	28.58 SHERI HART	USA	2009
25.10 DARA TORRES	USA	2006	29.00 GISELI PEREIRA	BRA	2009	28.60 YOKO YAMAGUCHI	JPN	2009
25.82 SANDRA KAZIKOVA	CZE	2011	29.34 ZOE CRAY	GBR	2009	28.61 SANDRA KAZIKOVA	CZE	2011
26.05 M.VALKO	USA	2011	29.91 CINDY MABEE	CAN	2008	28.65 ZOE CRAY	GBR	2009
26.13 S.NEILSON-BELL	USA	1995	30.40 NAHOMI SHIRATA	JPN	2011	28.66 HITOMI MATSUDA	JPN	2012
26.33 ZOE CRAY	GBR	2010	30.67 C.J-SPONSELLER	SWE	2012	28.67 YAYOI SAKAMOTO	JPN	2012
26.36 HITOMI MATSUDA	JPN	2012	30.73 BERIT PUGGAARD	DEN	2009	28.68 TRACIE MOLL	USA	2001
26.42 ERIKA BRAUN	USA	2011	30.73 K PIPES-NEILSEN	USA	1999	28.79 R.CRESCENTINI	ITA	2012
26.60 R.CRESCENTINI	ITA	2012	30.92 MARIKA MC CUE	USA	2002	28.79 SOPHIA SKOU	DEN	2011
26.63 HELENA ABERG	SWE	2007	31.00 M.MACWHIRTER	CAN	2012	100 M. FLY		
26.70 SHERI HART	USA	2008	100 M. BACK			1:02.70 HITOMI MATSUDA	JPN	2012
100 M. FREE			1:02.36 SHERI HART	USA	2009	1:03.07 DEBBIE YOUNGER	CAN	2005
54.95 DARA TORRES	USA	2006	1:03.11 GISELI PEREIRA	BRA	2009	1:03.29 K PIPES-NEILSEN	USA	1997
57.48 ZOE CRAY	GBR	2010	1:03.38 ZOE CRAY	GBR	2009	1:03.76 JUNKO ONISHI	JPN	2012
57.65 K PIPES-NEILSEN	USA	2000	1:03.56 K PIPES-NEILSEN	USA	1997	1:03.96 SOPHIA SKOU	DEN	2011
57.79 KARIN SEICK	GER	1996	1:04.61 CINDY MABEE	CAN	2008	1:04.01 KYOKO YAMADA	JPN	2009
58.09 SHERI HART	USA	2008	1:05.03 C.J-SPONSELLER	SWE	2011	1:04.09 MELANIA BUSSIÈRE	CAN	2008
58.13 ERIKA BRAUN	USA	2011	1:05.61 C.J-SPONSELLER	SWE	2010	1:04.28 R.CRESCENTINI	ITA	2011
58.14 HITOMI MATSUDA	JPN	2012	1:05.79 NAHOMI SHIRATA	JPN	2011	1:04.33 TRACIE MOLL	USA	2001
58.57 MANUELA SCHUBERT	GER	2006	1:05.93 KARIN SEICK	GER	1996	1:04.37 YOKO YAMAGUCHI	JPN	2009
58.62 S.NEILSON-BELL	USA	1995	1:05.94 D GRANER GALLAS	USA	1999	200 M. FLY		
58.66 BETH KNIGHT	USA	1994	200 M. BACK			2:16.67 HITOMI MATSUDA	JPN	2012
200 M. FREE			2:14.10 K PIPES-NEILSEN	USA	1997	2:18.41 K PIPES-NEILSEN	USA	1997
2:03.12 HITOMI MATSUDA	JPN	2012	2:14.49 GISELI PEREIRA	BRA	2009	2:21.18 KYOKO YAMADA	JPN	2010
2:03.56 K PIPES-NEILSEN	USA	1997	2:17.61 C.J-SPONSELLER	SWE	2012	2:21.76 DEBBIE YOUNGER	CAN	2005
2:05.70 KIRSTEN CAMERON	NZL	2010	2:19.22 C.J-SPONSELLER	SWE	2010	2:24.80 KATE VEALE	GBR	2002
2:06.18 LAUREN WELTING	USA	2000	2:19.82 JOANNA CORBEN	GBR	2006	2:25.06 JILL HERNANDEZ	USA	1997
2:06.86 JILL HERNANDEZ	USA	1999	2:22.03 HITOMI MATSUDA	JPN	2012	2:25.52 NADINE DAY	USA	2006
2:06.96 D GRANER GALLAS	USA	1999	2:22.08 CINDY MABEE	CAN	2008	2:25.81 ALISON ZAMANIAN	USA	2009
2:06.99 VALERIA VERGANI	ITA	2006	2:22.82 DAPHNE FUCHS	GER	1998	2:25.91 LAUREN WELTING	USA	2000
2:07.36 MELANIA BUSSIÈRE	CAN	2008	2:23.23 ASA NEIJ	SWE	2010	2:25.96 KRISTINA ULVELING	USA	2008
2:07.58 S.NEILSON-BELL	USA	1995	2:23.86 SILVIA PAROCCHI	ITA	2002	2:25.96 NICOLA LATTY	GBR	2007
2:07.69 ANA PAULA GRILO	POR	2004	50 M. BRST			100 M. I.M.		
400 M. FREE			31.87 HITOMI MATSUDA	JPN	2012	1:03.17 HITOMI MATSUDA	JPN	2012
4:22.56 K PIPES-NEILSEN	USA	1999	32.13 LINLEY FRAME	AUS	2010	1:04.61 SHERI HART	USA	2009
4:24.56 LAUREN WELTING	USA	2000	32.35 R.CRESCENTINI	ITA	2012	1:05.40 K PIPES-NEILSEN	USA	2000
4:26.00 HITOMI MATSUDA	JPN	2012	32.89 ANNA-KARIN LUNDIN	SWE	2011	1:05.53 ZOE CRAY	GBR	2009
4:26.57 JILL HERNANDEZ	USA	1999	33.03 CAROLINE KRATTLI	USA	2000	1:06.10 R.CRESCENTINI	ITA	2011
4:27.62 VALERIA VERGANI	ITA	2006	33.14 KELLY LEGASPI	USA	2009	1:06.34 CYNTHIA LEWIS	USA	2012
4:29.09 PENNY BOND	AUS	1999	33.17 CYNTHIA LEWIS	USA	2012	1:06.50 SILVIA PAROCCHI	ITA	2005
4:29.17 CINDY BERTELINK	CAN	2011	33.81 KATIE GLENN	USA	2011	1:07.31 NADINE DAY	USA	2005
4:29.30 KIRSTEN CAMERON	NZL	2010	33.89 DAGMAR HILBIG	GER	1993	1:07.44 ERIKA BRAUN	USA	2011
4:29.71 ASA NEIJ	SWE	2008	33.91 P.BRULHART N'DULA	SUI	2003	1:07.44 KAORU OHISA	JPN	2010
4:30.30 ANA PAULA GRILO	POR	2004	100 M. BRST			200 M. I.M.		
800 M. FREE			1:09.20 HITOMI MATSUDA	JPN	2012	2:17.69 HITOMI MATSUDA	JPN	2012
8:57.30 KIRSTEN CAMERON	NZL	2010	1:10.64 CYNTHIA LEWIS	USA	2011	2:19.08 K PIPES-NEILSEN	USA	2000
9:02.52 HITOMI MATSUDA	JPN	2012	1:10.65 LINLEY FRAME	AUS	2010	2:23.01 CYNTHIA LEWIS	USA	2012
9:12.97 ALISON ZAMANIAN	USA	2006	1:11.97 CAROLINE KRATTLI	USA	2000	2:23.47 DEBBIE YOUNGER	CAN	2005
9:13.05 ASA NEIJ	SWE	2008	1:12.13 ANNA-KARIN LUNDIN	SWE	2012	2:24.67 C.J-SPONSELLER	SWE	2012
9:14.27 LAURIE HUG	USA	2000	1:12.30 R.CRESCENTINI	ITA	2011	2:24.94 NADINE DAY	USA	2005
9:14.92 KRISTINA ULVELING	USA	2008	1:12.51 KATIE GLENN	USA	2011	2:25.26 KARIN SEICK	GER	1996
9:15.40 K PIPES-NEILSEN	USA	1998	1:13.08 KELLY LEGASPI	USA	2009	2:25.39 JILL HERNANDEZ	USA	1997
9:17.93 PENNY BOND	AUS	1997	1:13.41 YUKO MORITA	JPN	2011	2:25.42 C.J-SPONSELLER	SWE	2010
9:20.34 LAURIE DODD	USA	2007	1:13.80 KAREN KEY	GBR	2012	2:25.94 CINDY BERTELINK	CAN	2011
9:21.70 VALERIA VERGANI	ITA	2009	200 M. BRST			400 M. I.M.		
1500 M. FREE			2:30.63 HITOMI MATSUDA	JPN	2012	4:52.83 K PIPES-NEILSEN	USA	1997
17:07.48 KIRSTEN CAMERON	NZL	2010	2:36.04 CAROLINE KRATTLI	USA	2000	4:55.84 HITOMI MATSUDA	JPN	2012
17:27.84 LAURIE HUG	USA	2000	2:36.50 CYNTHIA LEWIS	USA	2011	5:02.22 LAUREN WELTING	USA	2000
17:35.69 PENNY BOND	AUS	1997	2:36.84 YUKO MORITA	JPN	2012	5:08.03 CYNTHIA LEWIS	USA	2011
17:36.24 K PIPES-NEILSEN	USA	1999	2:39.04 ANNA-KARIN LUNDIN	SWE	2011	5:09.87 NADINE DAY	USA	2006
17:36.58 KRISTINA ULVELING	USA	2008	2:40.80 MONIKA MESSNER	AUT	2010	5:10.43 JILL HERNANDEZ	USA	1999



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5:11.54	CINDY BERTELINK	CAN	2010	17:50.00	VALERIA VERGANI	ITA	2012	2:42.12	WENKE SEIDER	USA	2011
5:12.40	VALERIA VERGANI	ITA	2007	17:52.93	N.MUIR-COCHRANE	GBR	2004	2:43.88	MARZENA KULIS	ITA	2008
5:12.42	KATE VEALE	GBR	2002	17:55.11	AMANDA PICARD	SUI	2009	2:44.29	HELEN GORMAN	GBR	2012
5:12.55	SARA NELSON	USA	2008	18:02.62	SUZANN HEIM-BOWEN	USA	1998	2:44.36	KELLY LEGASPI	USA	2011
*****				18:03.41	LAURIE HUG	USA	2008	2:44.80	KEIKO OKAMOTO	JPN	2009
*****				18:12.13	JILL GELLATLY	USA	2009	2:46.13	ANGELA DELISSEN	GER	2007
*****				18:24.38	AMY DANTZLER	USA	2006	50 M. FLY			
*****				50 M. BACK				28.13	GABRIELE BLANK	GER	2006
*****				29.96	GISELI PEREIRA	BRA	2012	28.21	SUSAN VD LIPPE	USA	2005
50 M. FREE				30.00	CINDY MABEE	CAN	2009	28.59	ERIKA BRAUN	USA	2012
26.40	MARIKA JOHANSSON	SWE	2008	30.02	SHERI HART	USA	2012	28.86	SILVIA PAROCCHI	ITA	2007
26.46	ERIKA BRAUN	USA	2012	30.72	JODY SMITH	USA	2009	29.06	ASTRID BENCSEK	SWE	2000
26.66	S.NEILSON-BELL	USA	1996	30.74	KRISTIN GARY	USA	2008	29.07	EDITH OTTERMANN	RSA	2009
26.67	EDITH OTTERMANN	RSA	2007	30.97	K.PIPES-NEILSEN	USA	2005	29.29	YOKO YAMAGUCHI	JPN	2010
26.70	S. VON DER LIPPE	USA	2008	30.99	JUNKO NAKANO	JPN	2009	29.45	MARIE SADLER	GBR	2000
26.70	GIOVANNI MORELLI	SUI	2007	31.06	FALL WILLEBOORDSE	USA	2009	29.51	K PIPES-NEILSEN	USA	2003
26.75	JUNKO NAKANO	JPN	2010	31.22	SYLVIE ALLERY	FRA	2012	29.52	YURIKO IKEDA	JPN	2012
26.95	BETH KNIGHT	USA	1999	31.40	MARIKA MCCUE	USA	2003	100 M. FLY			
27.04	HAYLEY BETTINSON	GBR	2006	100 M. BACK				1:01.70	S.VON DER LIPPE	USA	2009
27.05	JENNIE BUCKNELL	AUS	2009	1:03.48	SHERI HART	USA	2011	1:03.31	K PIPES-NEILSEN	USA	2003
100 M. FREE				1:04.63	CINDY MABEE	CAN	2009	1:04.91	YOKO YAMAGUCHI	JPN	2010
57.55	S.VON DER LIPPE	USA	2008	1:05.43	K PIPES-NEILSEN	USA	2002	1:04.93	SILVIA PAROCCHI	ITA	2006
57.60	K PIPES-NEILSEN	USA	2003	1:05.51	KRISTIN GARY	USA	2011	1:05.19	BIRGIT LOHBERG	USA	2009
58.81	JILL HERNANDEZ	USA	2000	1:05.52	GISELI PEREIRA	BRA	2012	1:05.45	DANIELA DE PONTI	ITA	2006
59.14	JENNIE BUCKNELL	AUS	2010	1:05.91	JODY SMITH	USA	2009	1:05.49	BETH BAKER	USA	2001
59.37	ANNA HAMMAR	SWE	2012	1:06.61	SILVIA PAROCCHI	ITA	2008	1:05.51	WENKE SEIDER	USA	2011
59.43	BARBARA KEHBEIN	GER	2012	1:06.83	SYLVIE ALLERY	FRA	2012	1:05.84	JILL HERNANDEZ	USA	2000
59.44	SANDRINE ERGUY	FRA	2011	1:06.85	FALL WILLEBOORDSE	USA	2010	1:05.93	JULIE GIBSON	GBR	2009
59.55	JENNIFER WILLIS	USA	2009	1:07.57	MONICA SORO	ITA	2012	200 M. FLY			
59.71	ANA PAULA GRILO	ESP	2009	2:19.06	JODY SMITH	USA	2009	2:20.66	SUSAN VD LIPPE	USA	2006
59.77	SARAH MACDONALD	CAN	2003	2:19.09	K PIPES-NEILSEN	USA	2003	2:20.71	K PIPES-NEILSEN	USA	2002
200 M. FREE				2:21.95	JOANNA CORBEN	GBR	2012	2:25.30	JUDY BROWN	GBR	2005
2:05.26	K PIPES-NEILSEN	USA	2003	2:22.02	CINDY MABEE	CAN	2009	2:26.07	BIRGIT LOHBERG	USA	2006
2:05.55	S.VON DER LIPPE	USA	2008	2:22.68	KRISTIN GARY	USA	2008	2:26.15	BETH BAKER	USA	2001
2:06.81	JILL HERNANDEZ	USA	2000	2:23.22	SILVIA PAROCCHI	ITA	2006	2:26.31	YOKO YAMAGUCHI	JPN	2010
2:09.10	BIRGIT LOHBERG	USA	2009	2:25.78	BETH BAKER	USA	2001	2:26.99	NICOLA LATTY	GBR	2012
2:09.53	BETH KNIGHT	USA	1999	2:26.31	HELEN WHITFORD	AUS	2011	2:27.12	JULIE GIBSON	GBR	2009
2:09.77	VALERIA VERGANI	ITA	2012	2:26.81	GISELI PEREIRA	BRA	2012	2:27.65	ANGELA DELISSEN	GER	2008
2:10.16	JODY SMITH	USA	2009	2:27.40	LAURA SMITH	USA	2008	2:28.39	MARZENA KULIS	ITA	2007
2:10.22	BARBARA KEHBEIN	GER	2012	50 M. BRST				100 M. I.M.			
2:10.56	AMANDA PICARD	SUI	2008	32.20	LINLEY FRAME	AUS	2012	1:04.25	S.VON DER LIPPE	USA	2008
2:10.64	JENNIFER RIDGE	USA	2009	32.29	S.VON DER LIPPE	USA	2009	1:05.56	K PIPES-NEILSEN	USA	2003
400 M. FREE				33.67	CAROLINE KRATTLI	USA	2003	1:06.68	LISA BLACKBURN	USA	2012
4:21.75	K PIPES-NEILSEN	USA	2003	33.69	STEFANIA MONTI	ITA	2010	1:06.91	SHERI HART	USA	2011
4:24.22	JILL HERNANDEZ	USA	2000	33.81	ANNA HAMMAR	SWE	2012	1:07.04	ANNA HAMMAR	SWE	2012
4:28.58	AMANDA PICARD	SUI	2008	34.11	MAGGIE KELLY	GBR	2000	1:07.20	CAROLINE KRATTLI	USA	2002
4:31.12	VALERIA VERGANI	ITA	2012	34.14	LISA BLACKBURN	USA	2012	1:07.35	MONICA SORO	ITA	2012
4:32.38	ALISON ZAMANIAN	USA	2011	34.25	ERIKA BRAUN	USA	2012	1:08.14	ANGELA DELISSEN	GER	2009
4:32.89	LYNN MARSHALL	CAN	2001	34.31	MARZENA KULIS	ITA	2007	1:08.18	SILVIA PAROCCHI	ITA	2006
4:34.33	S.VON DER LIPPE	USA	2009	34.34	DAGMAR HILBIG	GER	1998	1:08.48	MAGGIE KELLY	GBR	1998
4:34.83	BIRGIT LOHBERG	USA	2005	100 M. BRST				200 M. I.M.			
4:34.83	SUZANN HEIM-BOWEN	USA	1998	1:10.55	S.VON DER LIPPE	USA	2007	2:19.21	S.VON DER LIPPE	USA	2007
4:36.94	KATLIN VOLK	GER	2010	1:10.58	LINLEY FRAME	AUS	2011	2:20.55	K PIPES-NEILSEN	USA	2003
800 M. FREE				1:12.08	CAROLINE KRATTLI	USA	2003	2:22.51	JILL HERNANDEZ	USA	2000
9:09.71	K PIPES-NEILSEN	USA	2003	1:12.53	LISA BLACKBURN	USA	2012	2:25.86	BIRGIT LOHBERG	USA	2006
9:16.07	AMANDA PICARD	SUI	2008	1:13.16	MARZENA KULIS	ITA	2007	2:26.41	LISA BLACKBURN	USA	2012
9:18.17	ALISON ZAMANIAN	USA	2011	1:13.60	ANNA HAMMAR	SWE	2012	2:26.51	CAROLINE KRATTLI	USA	2003
9:19.15	VALERIA VERGANI	ITA	2012	1:14.41	WENKE SEIDER	USA	2011	2:26.80	ANGELA DELISSEN	GER	2009
9:21.44	LYNN MARSHALL	CAN	2001	1:14.79	MAGGIE KELLY	GBR	1998	2:26.90	WENKE SEIDER	USA	2011
9:26.96	N.MUIR-COCHRANE	GBR	2004	1:15.01	HELEN GORMAN	GBR	2012	2:27.37	JODY SMITH	USA	2009
9:29.90	SUZANN HEIM-BOWEN	USA	1998	1:15.41	KELLY LEGASPI	USA	2011	2:27.43	ANNA HAMMAR	SWE	2012
9:30.29	LESLIE MAYES	AUS	2000	200 M. BRST				400 M. I.M.			
9:32.90	LAURIE HUG	USA	2008	2:32.37	S.VON DER LIPPE	USA	2008	5:00.82	K PIPES-NEILSEN	USA	2002
9:35.07	CLAUDIA KERN	GER	2006	2:35.79	LINLEY FRAME	AUS	2011	5:02.17	JILL HERNANDEZ	USA	2000
1500 M. FREE				2:39.10	CAROLINE KRATTLI	USA	2002	5:03.49	SUSAN VD LIPPE	USA	2006
17:35.49	ALISON ZAMANIAN	USA	2010	2:41.87	H.MORRIS-EYTON	RSA	2009	5:13.39	BIRGIT LOHBERG	USA	2006
17:38.37	LYNN MARSHALL	CAN	2002								
17:45.50	K PIPES-NEILSEN	USA	2003								



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5:14.46	VALERIA VERGANI	ITA	2012	18:23.90	LAURIE HUG	USA	2011	2:44.60	H.MORRIS-EYTON	RSA	2012
5:15.87	ANA PAULA GRILO	ESP	2009	18:34.32	NORMA CAHILL	IRL	2011	2:47.91	K.PIPES-NEILSEN	FRA	2009
5:16.55	HELEN WHITFORD	AUS	2009	18:34.95	SUSANNA ROSEN	SWE	2009	2:48.38	JENNY WHITELEY	AUS	2003
5:18.12	LISA BLACKBURN	USA	2012	18:38.83	ANDREA BLOCK	USA	2009	2:48.56	JUDIT HAIDU	AUT	2007
5:18.30	ANGELA DELISSEN	GER	2007	18:40.49	SUSANNE SIMPSON	USA	2008	2:49.50	MONICA CORO	ITA	2007
				18:41.77	M.ELIAS-WILLIAMS	USA	2009	2:50.41	CLAUDIA KERN	GER	2009
*****				18:47.62	JILL GELLATLY	USA	2012	2:51.06	CYNTHIA PINCOTT	CAN	2011
WOMEN 45-49				18:50.04	N.MUIR-COCHRANE	GBR	2009	50 M. FLY			
*****				50 M. BACK				28.72	S.VON DER LIPPE	USA	2010
50 M. FREE				30.58	K.PIPES-NEILSEN	USA	2007	29.10	HAYLEY BETTINSON	GBR	2009
26.59	EDITH OTTERMANN	RSA	2011	30.82	SUSAN WILLIAMS	USA	2011	29.21	LAURIE DITOMMASO	USA	2008
26.96	MARIKA JOHANSSON	SWE	2011	31.12	FALL WILLEBOORDSE	USA	2012	29.37	EDITH OTTERMANN	RSA	2011
27.02	OLGA BORISOVA	RUS	2012	31.14	LESLIE LIVINGSTON	USA	2010	29.40	K.PIPES-NEILSEN	FRA	2009
27.09	K.PIPES-NEILSEN	USA	2007	31.15	ELLEN REYNOLDS	USA	2011	29.69	LESLIE LIVINGSTON	USA	2009
27.17	HAYLEY BETTINSON	GBR	2009	31.45	BARBARA OPITZ	GER	2006	29.71	SHIZUKO HIRAISHI	JPN	2009
27.23	JENNIE BUCKNELL	AUS	2011	31.69	JUNKO NAKANO	JPN	2012	29.97	USCHI DUMIG	GER	2005
27.28	FALL WILLEBOORDSE	USA	2012	32.02	SHIZUKO HIRAISHI	JPN	2009	30.00	SILVIA PAROCCHI	ITA	2012
27.31	SARAH MACDONALD	CAN	2005	32.14	JENNIE BUCKNELL	AUS	2011	30.02	FALL WILLEBOORDSE	USA	2011
27.54	LISA DAHL	USA	2006	32.21	SILVIA PAROCCHI	ITA	2011	30.02	KARIN SEICK	GER	2006
27.55	JUNKO NAKANO	JPN	2012	100 M. BACK				100 M. FLY			
100 M. FREE				1:04.46	K.PIPES-NEILSEN	FRA	2009	1:03.47	S.VON DER LIPPE	USA	2010
58.61	K.PIPES-NEILSEN	USA	2007	1:05.51	ELLEN REYNOLDS	USA	2012	1:03.96	K.PIPES-NEILSEN	USA	2009
59.58	SARAH MACDONALD	CAN	2005	1:07.41	SUSAN WILLIAMS	USA	2011	1:06.69	FALL WILLEBOORDSE	USA	2011
1:00.03	JENNIE BUCKNELL	AUS	2011	1:07.98	SILVIA PAROCCHI	ITA	2011	1:06.75	SHIZUKO HIRAISHI	JPN	2008
1:00.22	ANETTE PHILIPSSON	SWE	2012	1:08.32	FALL WILLEBOORDSE	USA	2011	1:06.84	SILVIA PAROCCHI	ITA	2012
1:00.24	FALL WILLEBOORDSE	USA	2012	1:09.20	VIBEKE SWANSON	USA	2006	1:07.07	JUDITH HATTLE	GBR	2005
1:00.41	KARIN SEICK	GER	2007	1:09.27	VERA CAPKOVA	BEL	2006	1:07.62	BIRGIT LOHBERG	USA	2010
1:00.62	SUSAN WAGER	USA	2010	1:09.36	HELEN WHITFORD	AUS	2012	1:07.78	DANIELA DE PONTI	ITA	2010
1:00.67	SUSANNA ROSEN	SWE	2009	1:09.58	LESLIE LIVINGSTON	USA	2009	1:07.99	SUZANNE SIMPSON	USA	2005
1:00.69	OLGA BORISOVA	RUS	2012	1:09.68	KARIN SEICK	GER	2007	1:08.05	BARBARA GELLRICH	GER	2009
1:00.86	DANIELA DE PONTI	ITA	2010	200 M. BACK				200 M. FLY			
200 M. FREE				2:18.15	K.PIPES-NEILSEN	FRA	2009	2:23.18	K.PIPES-NEILSEN	USA	2009
2:05.94	K.PIPES-NEILSEN	USA	2007	2:22.00	ELLEN REYNOLDS	USA	2012	2:24.08	S.VON DER LIPPE	USA	2010
2:10.32	ELLEN REYNOLDS	USA	2012	2:26.57	SILVIA PAROCCHI	ITA	2011	2:26.31	S. PALMER-WHITE	AUS	2009
2:10.91	S HEIM-BOWEN	USA	2003	2:28.11	LISA WARD	USA	2009	2:28.26	LYNN MARSHALL	CAN	2006
2:11.00	LYNN MARSHALL	CAN	2006	2:29.26	HELEN WHITFORD	AUS	2012	2:29.32	SUZANNE SIMPSON	USA	2005
2:11.09	JENNY WHITELEY	AUS	2003	2:30.29	STEPHANIE STONE	USA	2012	2:30.44	ARLENE DELMAGE	USA	2008
2:12.72	REBECCA PERROTT	NZL	2009	2:31.42	LYNN MARSHALL	CAN	2006	2:32.09	SHIZUKO HIRAISHI	JPN	2010
2:13.16	BIRGIT LOHBERG	USA	2012	2:31.71	NAOKO SHIDE	JPN	2009	2:32.40	BIRGIT LOHBERG	USA	2012
2:13.72	BARBARA GELLRICH	GER	2008	2:32.14	BRIGID BUNCH	USA	2009	2:32.52	LAURA VAL	USA	1999
2:14.03	SUSANNA ROSEN	SWE	2008	2:32.56	VIBEKE SWANSON	USA	2006	2:33.73	CYNTHIA PINCOTT	CAN	2007
2:14.05	STEPHANIE STONE	USA	2012	50 M. BRST				100 M. I.M.			
400 M. FREE				33.56	MARZENA KULIS	ITA	2009	1:05.61	K.PIPES-NEILSEN	FRA	2009
4:25.34	K.PIPES-NEILSEN	USA	2009	33.82	S.VON DER LIPPE	USA	2010	1:06.58	S.VON DER LIPPE	USA	2010
4:30.98	S HEIM-BOWEN	USA	2003	33.94	CAROLINE KRATTLI	USA	2007	1:08.54	ANETTE PHILIPSSON	SWE	2012
4:33.09	LYNN MARSHALL	CAN	2006	34.15	TRACEY MCFARLANE	USA	2012	1:08.59	CAROLINE KRATTLI	USA	2007
4:38.71	SUSANNA ROSEN	SWE	2010	34.36	ALISON NYE	GBR	2002	1:08.81	SARAH MACDONALD	CAN	2009
4:41.91	REBECCA PERROTT	NZL	2009	34.60	SWICZINSKY-KORDES	GER	2001	1:08.85	MARZENA KULIS	ITA	2009
4:42.57	ELLEN REYNOLDS	USA	2011	34.64	MAGGIE KELLY	GBR	2001	1:09.11	FALL WILLEBOORDSE	USA	2011
4:43.49	JENNY WHITELEY	AUS	2003	34.70	JUDY GARAY	CAN	2005	1:09.17	SILVIA PAROCCHI	ITA	2012
4:43.60	MARGEE CURRAN	USA	2007	34.79	MONICA CORO	ITA	2007	1:09.68	JENNY WHITELEY	AUS	2003
4:43.85	BARBARA GELLRICH	GER	2007	34.84	K.PIPES-NEILSEN	FRA	2009	1:10.39	SHIZUKO HIRAISHI	JPN	2007
4:44.28	ANDREA BLOCK	USA	2009	100 M. BRST				200 M. I.M.			
800 M. FREE				1:11.78	MARZENA KULIS	ITA	2009	2:21.55	K.PIPES-NEILSEN	USA	2009
9:11.37	K.PIPES-NEILSEN	USA	2009	1:13.30	S.VON DER LIPPE	USA	2010	2:26.26	ELLEN REYNOLDS	USA	2012
9:21.65	LYNN MARSHALL	CAN	2006	1:13.38	CAROLINE KRATTLI	USA	2007	2:29.40	MARZENA KULIS	ITA	2009
9:25.12	SUSANNA ROSEN	SWE	2010	1:15.86	MONICA CORO	ITA	2007	2:29.69	CAROLINE KRATTLI	USA	2007
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:16.06	K.PIPES-NEILSEN	USA	2007	2:30.11	SILVIA PAROCCHI	ITA	2011
9:35.81	CLAUDIA KERN	GER	2009	1:17.16	MAGGIE KELLY	GBR	2001	2:30.44	ANETTE PHILIPSSON	SWE	2012
9:40.50	MARGEE CURRAN	USA	2007	1:17.89	TRACEY MCFARLANE	USA	2012	2:31.27	LISA WARD	USA	2009
9:40.69	SUSANNE SIMPSON	USA	2008	1:18.13	JENNY WHITELEY	AUS	2003	2:31.99	VIBEKE SWANSON	USA	2006
9:41.99	BARBARA GELLRICH	GER	2007	1:18.80	KATE SORENSEN	DEN	2010	2:32.62	REBECCA PERROTT	NZL	2009
9:44.72	AMY DANTZLER	USA	2009	1:18.88	ELKE SCHMITZ	GER	2009	2:32.98	ANGELA DELISSEN	GER	2011
9:45.34	ELLEN REYNOLDS	USA	2011	200 M. BRST				400 M. I.M.			
1500 M. FREE				2:37.19	MARZENA KULIS	ITA	2009	5:00.29	K.PIPES-NEILSEN	FRA	2009
17:46.32	LYNN MARSHALL	CAN	2007	2:38.00	S.VON DER LIPPE	USA	2010	5:17.29	ELLEN REYNOLDS	USA	2011
17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:42.10	CAROLINE KRATTLI	USA	2007	5:19.13	LYNN MARSHALL	CAN	2006



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5:19.58	VIBEKE SWANSON	USA	2006	17:51.33	S.HEIM-BOWEN	USA	2009	2:49.35	MONICA CORO	ITA	2012
5:26.97	STEPHANIE STONE	USA	2012	17:53.25	LYNN MARSHALL	CAN	2011	2:52.03	KATE SORENSEN	DEN	2011
5:27.12	LISA WARD	USA	2009	18:38.58	JEANNE CARLSEN	CAN	2009	2:52.84	CYNTHIA PINCOTT	CAN	2012
5:27.52	ANGELA DELISSEN	GER	2012	18:52.34	ENEY JONES	USA	2011	2:56.79	KIM CROUCH	USA	2011
5:28.73	REBECCA PERROTT	NZL	2009	18:56.50	K.PALACE	USA	2011	2:57.11	JENNY COOK	USA	2008
5:28.91	JENNY WHITELEY	AUS	2003	18:59.17	LAURA VAL	USA	2002	2:57.15	JUDITH HATTLE	GBR	2010
5:29.32	LAURIE HUG	USA	2012	19:04.24	JENNY WHITELEY	AUS	2008	2:57.30	COKIE LEPINSKI	USA	2009
*****				19:10.69	KATHERINE BRANCH	USA	2007	2:57.49	ULRIKE URBANIAK	GER	2003
*****				19:12.30	CECILLA STANFORD	RSA	2011	2:57.52	LISA DIXON-WELLS	CAN	2011
*****				19:16.80	C.TARANTINO	ITA	2006	50 M. FLY			
*****				50 M. BACK				29.54	LESLIE LIVINGSTON	USA	2012
*****				*****				30.38	ANGELA ZINGLER	GER	2005
*****				*****				30.56	MARY ESTABROOK	USA	2011
*****				*****				30.60	TRACI GRANGER	USA	2008
*****				*****				30.62	HARUMI SUGINUMA	JPN	2009
*****				*****				30.85	SARAH MACDONALD	CAN	2010
*****				*****				30.88	JENNY WHITELEY	AUS	2008
*****				*****				31.08	LISA DAHL	USA	2011
*****				*****				31.10	CAROLYN VOORHEES	USA	2011
*****				*****				31.10	JUDITH HATTLE	GBR	2010
*****				*****				100 M. FLY			
*****				*****				1:06.92	K PIPES-NEILSEN	FRA	2012
*****				*****				1:08.50	JUDITH HATTLE	GBR	2010
*****				*****				1:08.62	ANDREA BLOCK	USA	2011
*****				*****				1:09.05	LAURA VAL	USA	2001
*****				*****				1:09.38	LESLIE LIVINGSTON	USA	2012
*****				*****				1:09.54	LYNN MARSHALL	CAN	2012
*****				*****				1:09.94	JENNY WHITELEY	AUS	2008
*****				*****				1:09.94	TRACI GRANGER	USA	2008
*****				*****				1:10.21	SHIZUKO HIRAISHI	JPN	2012
*****				*****				1:10.77	BARBARA GELLRICH	GER	2011
*****				*****				200 M. FLY			
*****				*****				2:28.08	LYNN MARSHALL	CAN	2011
*****				*****				2:32.29	KARLYN PIPES	USA	2012
*****				*****				2:33.93	ANDREA BLOCK	USA	2011
*****				*****				2:34.79	JUDITH HATTLE	GBR	2010
*****				*****				2:38.19	JENNY WHITELEY	AUS	2009
*****				*****				2:38.43	S.HEIM-BOWEN	USA	2009
*****				*****				2:38.73	JENNY COOK	USA	2008
*****				*****				2:38.99	RIEKO SHOJI	JPN	2010
*****				*****				2:39.03	L.GIANNOCCARO	CAN	2012
*****				*****				2:39.11	LAURA VAL	USA	2005
*****				*****				100 M. I.M.			
*****				*****				1:08.28	K PIPES-NEILSEN	FRA	2012
*****				*****				1:09.22	JENNY WHITELEY	AUS	2009
*****				*****				1:09.97	SARAH MACDONALD	CAN	2011
*****				*****				1:11.55	SHIZUKO HIRAISHI	JPN	2012
*****				*****				1:11.56	CECILLA STANFORD	RSA	2011
*****				*****				1:11.67	AHELEE SUE OSBORN	USA	2009
*****				*****				1:11.99	LESLIE LIVINGSTON	USA	2011
*****				*****				1:12.27	LISA DIXON-WELLS	CAN	2011
*****				*****				1:12.34	JENNY COOK	USA	2008
*****				*****				1:12.50	LAURA VAL	USA	2003
*****				*****				200 M. I.M.			
*****				*****				2:30.63	KARLYN PIPES	USA	2012
*****				*****				2:30.98	JENNY WHITELEY	AUS	2009
*****				*****				2:33.09	LYNN MARSHALL	CAN	2011
*****				*****				2:34.03	CECILLA STANFORD	RSA	2011
*****				*****				2:35.35	BARBARA GELLRICH	GER	2012
*****				*****				2:35.86	JENNY COOK	USA	2008
*****				*****				2:36.59	NAOKO SHIDE	JPN	2010
*****				*****				2:36.88	AHELEE SUE OSBORN	USA	2009
*****				*****				2:37.42	JUDITH HATTLE	GBR	2010
*****				*****				2:37.52	DANIELLE OGIER	USA	2002
*****				*****				400 M. I.M.			
*****				*****				5:14.65	LYNN MARSHALL	CAN	2011
*****				*****				5:31.20	NAOKO SHIDE	JPN	2010



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

5:32.60 JENNY WHITELEY AUS 2008	10:32.57 S.LOFTUS-CHARLEY USA 2010	200 M. BRST
5:34.22 RIEKO SHOJI JPN 2010	1500 M. FREE	2:59.34 COLETTE CRABBE BEL 2012
5:35.42 JUDITH HATTLE GBR 2012	18:43.73 LAURA VAL USA 2010	3:02.37 CATHERINE KOHN USA 2009
5:35.90 BARBARA GELLRICH GER 2012	19:24.70 BARBARA DUNBAR USA 2004	3:03.02 KEIKO UTSUMI JPN 2011
5:36.28 LAURA VAL USA 2002	19:34.48 N.STEADMAN-MARTIN USA 2009	3:04.24 AMANDA HEATH GBR 2012
5:36.89 CECILLA STANFORD RSA 2011	19:45.99 CHRISTIE CIRAULO USA 2008	3:05.26 ULRIKE URBANIAK GER 2008
5:37.20 JEANNE CARLSEN CAN 2009	19:47.98 S.LOFTUS-CHARLEY USA 2010	3:05.87 FRANCES PENWARDEN GBR 2010
5:40.91 REBECCA PERROTT NZL 2012	19:55.78 C.TARANTINO ITA 2011	3:06.41 JENNIFER MERRITT GBR 2006
*****	19:58.12 C.TATANTINO ITA 2012	3:06.99 AVILA RHODES CAN 2012
WOMEN 55-59	20:07.32 MARY SWEAT USA 2012	3:07.59 IRINA SHANGINA RUS 2011
*****	20:44.20 CAROLYN BATTIN USA 2012	3:08.87 BONNIE PRONK CAN 1997
*****	20:45.03 MARY ANNE MYERS CAN 2010	50 M. FLY
50 M. FREE	50 M. BACK	31.13 LAURA VAL USA 2009
28.49 LAURA VAL USA 2009	32.62 LAURA VAL USA 2009	31.72 HARUMI SUGINUMA JPN 2012
28.58 JACKI HIRSTY USA 2009	33.56 K.ANDRUS-HUGHES USA 2012	31.92 JUDY WILSON GBR 2000
29.05 PAT SARGEANT USA 2008	34.76 BENEDICTE DUPREZ FRA 2007	32.76 PAT SARGEANT USA 2011
29.16 REGULA STEIGER SUI 2008	35.00 DEBORAH BARTON GBR 2004	32.93 CHRISTIE CIRAULO USA 2008
29.32 K.ANDRUS-HUGHES USA 2012	35.37 REBECCA JENKINSON GBR 2012	33.15 CONNY BOER-BUYS NED 2009
29.46 LYNN MORRISON USA 2009	35.38 MINDY DOUGHERTY USA 2009	33.19 GAIL AMUNDRUD CAN 2012
29.57 BARBARA JONES USA 2011	35.56 EVIE LYNCH USA 2009	33.28 STACEY WARMUTH USA 2011
29.59 ALYSON FORDHAM GBR 2011	35.82 SILVANA NABUCO BRA 1998	33.29 MELINDA MANN USA 2012
29.59 HEATHER CAMPBELL NZL 2008	35.88 SATOKO TAKEUJI JPN 1997	33.43 JANIE COLE USA 2009
29.87 GUNILLA RASMUSON SWE 2012	35.96 DIANE COETZEE RSA 2011	100 M. FLY
29.87 CONNY BOER-BUYS NED 2005	100 M. BACK	1:09.23 LAURA VAL USA 2009
100 M. FREE	1:12.23 LAURA VAL USA 2008	1:12.97 HARUMI SUGINUMA JPN 2012
1:01.33 LAURA VAL USA 2009	1:13.49 K.ANDRUS-HUGHES USA 2012	1:12.99 JUDY WILSON GBR 2001
1:02.75 HEATHER CAMPBELL NZL 2008	1:15.93 STACEY WARMUTH USA 2011	1:14.68 PAT SARGEANT USA 2008
1:04.77 PAT SARGEANT USA 2008	1:16.25 BENEDICTE DUPREZ FRA 2007	1:15.14 COLETTE CRABBE USA 2011
1:05.09 K.ANDRUS-HUGHES USA 2012	1:16.26 EVIE LYNCH USA 2009	1:15.23 MELINDA MANN USA 2011
1:05.31 JACKI HIRSTY USA 2009	1:16.97 MINDY DOUGHERTY USA 2009	1:15.44 STACEY WARMUTH USA 2011
1:05.84 N.STEADMAN-MARTIN USA 2009	1:17.86 PAT SARGEANT USA 2011	1:15.80 CHRISTIE CIRAULO USA 2008
1:06.11 VERONICA HIBBEN USA 2012	1:18.47 DIANE COETZEE RSA 2011	1:16.31 BARBARA DUNBAR USA 2004
1:06.11 CONNY BOER-BUYS NED 2009	1:18.58 GAIL AMUNDRUD CAN 2012	1:17.91 CHARLENE O'BRIEN USA 2012
1:06.25 GAIL AMUNDRUD CAN 2012	1:18.71 NORIKO KOBAMATSU JPN 2011	200 M. FLY
1:06.49 GUNILLA RASMUSON SWE 2012	200 M. BACK	2:31.13 LAURA VAL USA 2008
200 M. FREE	2:40.05 LAURA VAL USA 2008	2:47.18 BARBARA DUNBAR USA 2004
2:14.45 LAURA VAL USA 2009	2:41.83 K.ANDRUS-HUGHES USA 2012	2:47.89 N.STEADMAN-MARTIN USA 2009
2:23.28 N.STEADMAN-MARTIN USA 2009	2:43.47 MINDY DOUGHERTY USA 2009	2:53.92 JUDY WILSON GBR 2001
2:23.98 PAT SARGEANT USA 2008	2:44.55 N.STEADMAN-MARTIN USA 2009	2:55.05 ARDETH MUELLER USA 1996
2:24.63 STACEY WARMUTH USA 2011	2:46.19 STACEY WARMUTH USA 2012	2:55.79 S.LOFTUS-CHARLEY USA 2010
2:24.67 JACKI HIRSTY USA 2009	2:46.73 KAREN EINSIDLER USA 2011	2:57.35 PAT SARGEANT USA 2008
2:25.54 K.ANDRUS-HUGHES USA 2012	2:47.09 BENEDICTE DUPREZ FRA 2006	2:57.45 M.NEUMEISTER GER 2007
2:26.05 GUNILLA RASMUSON SWE 2012	2:48.12 KATHERINE BRANCH USA 2012	2:57.70 ELAINE VALDEZ USA 2010
2:26.23 SUSANNA SORDELLI ITA 2012	2:48.40 C.TARANTINO ITA 2010	2:58.52 JUNKO SATO JPN 2010
2:26.48 GAIL AMUNDRUD CAN 2012	2:48.87 PAT SARGEANT USA 2011	100 M. I.M.
2:26.59 VERONICA HIBBEN USA 2012	50 M. BRST	1:12.90 LAURA VAL USA 2009
400 M. FREE	37.56 DAGMAR FRESE GER 2012	1:15.06 HEATHER CAMPBELL NZL 2008
4:42.97 LAURA VAL USA 2009	37.58 ALISON NYE GBR 2012	1:15.91 K.ANDRUS-HUGHES USA 2012
4:53.27 N.STEADMAN-MARTIN USA 2009	38.32 JAN WICKS AUS 2001	1:16.07 STACEY WARMUTH USA 2011
5:01.53 BARBARA DUNBAR USA 2004	38.33 REGULA STEIGER SUI 2009	1:16.10 COLETTE CRABBE BEL 2012
5:01.68 STACEY WARMUTH USA 2011	38.53 MARGARET KELLY GBR 2012	1:16.55 JACKI HIRSTY USA 2009
5:04.60 JACKI HIRSTY USA 2008	38.62 BETH ESTEL USA 2012	1:16.88 ALYSON FORDHAM GBR 2012
5:05.41 KATHERINE BRANCH USA 2012	38.63 MONIKA SENFTLEBEN GER 1998	1:17.48 PAT SARGEANT USA 2010
5:05.56 CHRISTIE CIRAULO USA 2008	38.73 YVONNE CATTRALL CAN 2005	1:17.48 BRIGITTE MERTEN GER 2002
5:05.80 C.TARANTINO ITA 2010	38.79 COLETTE CRABBE BEL 2012	1:17.86 GUNILLA RASMUSON SWE 2012
5:06.59 SUSANNA SORDELLI ITA 2012	38.85 AVILA RHODES CAN 2011	200 M. I.M.
5:07.50 DI COETZEE RSA 2010	100 M. BRST	2:36.98 LAURA VAL USA 2009
800 M. FREE	1:23.69 DAGMAR FRESE GER 2011	2:44.50 COLETTE CRABBE BEL 2012
9:51.35 LAURA VAL USA 2009	1:24.47 COLETTE CRABBE BEL 2012	2:46.20 STACEY WARMUTH USA 2012
10:17.86 BARBARA DUNBAR USA 2004	1:25.18 REGULA STEIGER SUI 2009	2:46.45 HEATHER CAMPBELL NZL 2008
10:19.39 KATHERINE BRANCH USA 2012	1:25.25 AVILA RHODES CAN 2012	2:47.24 HARUMI SUGINUMA JPN 2012
10:20.12 CHRISTIE CIRAULO USA 2008	1:25.30 RICHIKO SEKISHITA JPN 2012	2:47.90 PAT SARGEANT USA 2008
10:20.65 N.STEADMAN-MARTIN USA 2009	1:25.58 BETH ESTEL USA 2012	2:49.08 SUSANNA SORDELLI ITA 2011
10:26.13 LAURA VACA MEX 2009	1:25.63 YVONNE CATTRALL CAN 2005	2:50.17 N.STEADMAN-MARTIN USA 2009
10:28.00 C.TARANTINO ITA 2011	1:25.68 AMANDA HEATH GBR 2012	2:50.55 AMANDA HEATH GBR 2012
10:28.80 C.TATANTINO ITA 2012	1:25.89 ULRIKE URBANIAK GER 2008	2:50.72 GUNILLA RASMUSON SWE 2012
10:30.10 STACEY WARMUTH USA 2011	1:25.92 BONNIE PRONK CAN 1997	400 M. I.M.



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

5:39.30	LAURA VAL	USA	2009	11:29.10	ROSARIO VIVANCO	PER	2009	1:30.58	JOANN LEILICH	USA	2000
5:47.01	N.STEADMAN-MARTIN	USA	2009	11:30.45	MARGARETA RAINER	SWE	2009	200 M. BRST			
5:55.84	STACEY WARMUTH	USA	2011	1500 M. FREE				3:06.48	BONNIE PRONK	CAN	2002
5:58.09	S.LOFTUS-CHARLEY	USA	2010	19:38.63	LAURA VAL	USA	2011	3:07.44	HANNELORE ROSE	GER	2002
6:00.23	SUSANNA SORDELLI	ITA	2011	19:59.92	S.LOFTUS-CHARLEY	USA	2011	3:10.48	JANETTE JEFFREY	AUS	2012
6:02.50	EDIE FISHER	CAN	2012	20:46.72	BARBARA DUNBAR	USA	2009	3:13.55	DEB WALKER	USA	2011
6:02.53	PAT SARGEANT	USA	2008	21:33.34	JACKIE MARR	USA	2003	3:14.60	JENNIFER MERRITT	GBR	2011
6:04.58	BARBARA DUNBAR	USA	2004	21:37.44	CONNY BOER-BUYS	NED	2010	3:15.75	KRISSY MACCUDY	USA	2012
6:05.65	CATHERINE KOHN	USA	2009	21:59.93	YOSHIKO OSAKI	JPN	1998	3:17.73	S.LOFTUS-CHARLEY	USA	2011
6:09.78	BRIGITTE MERTEN	GER	2002	22:01.94	DANIELLE OGIER	USA	2012	3:17.98	N SOYRIS MACAIRE	FRA	2012
*****				22:06.71	ANN CAMPBELL	AUS	2009	3:18.15	DIANE FORD	GBR	2005
*****				22:12.78	LINDA SHOENBERGER	USA	2009	3:18.20	NOBUKO YASUDA	JPN	2005
*****				22:23.62	BARNI WARNHURST	CAN	1988	50 M. FLY			
*****				50 M. BACK				32.77	LAURA VAL	USA	2011
*****				33.66	LAURA VAL	USA	2012	32.93	CHARLOTTE DAVIS	USA	2011
50 M. FREE				35.78	BENEDICTE DUPREZ	FRA	2012	33.38	JUDY WILSON	GBR	2004
29.44	LAURA VAL	USA	2012	36.02	DIANN UUSTAL	USA	2010	34.47	RUTH SHAPS	USA	2008
29.90	ISABELLA RICCA	ITA	2012	36.16	RACHEL BARTON	GBR	2008	34.57	CONNY BOER-BUYS	NED	2010
30.01	CHARLOTTE DAVIS	USA	2010	36.17	LYNETTE STEVENSON	AUS	2009	34.58	DIANN UUSTAL	USA	2010
30.70	LYNETTE STEVENSON	AUS	2009	36.38	SATOKO TAKEUJI	JPN	2002	34.74	RACHEL BARTON	GBR	2009
30.76	CONNY BOER-BUYS	NED	2010	36.42	MARGIT OHLSSON	SWE	2005	35.03	MICHIE DOI	JPN	2005
30.83	REGULA STEIGER	SUI	2012	36.92	MARGARET WILDING	GBR	2000	35.05	LYNETTE STEVENSON	AUS	2009
30.93	YOSHIKO KADOSAKA	JPN	2009	36.99	SILVANA ABREU	BRA	2003	35.17	YOSHIKO KADOSAKA	JPN	2011
30.97	CATHY MERRITT	CAN	2012	37.03	K.TUNNICLIFFE	GBR	2012	100 M. FLY			
31.03	SANDERINA KRUGER	RSA	2011	100 M. BACK				1:11.88	LAURA VAL	USA	2012
31.05	ROSARIO VIVANCO	PER	2009	1:13.87	LAURA VAL	USA	2012	1:15.40	CHARLOTTE DAVIS	USA	2011
100 M. FREE				1:18.69	DIANN UUSTAL	USA	2010	1:16.41	JUDY WILSON	GBR	2004
1:04.79	LAURA VAL	USA	2012	1:18.80	BENEDICTE DUPREZ	FRA	2012	1:19.38	BARBARA DUNBAR	USA	2009
1:06.58	CHARLOTTE DAVIS	USA	2010	1:20.02	MARGIT OHLSSON	SWE	2006	1:20.77	S.LOFTUS-CHARLEY	USA	2011
1:08.43	CATHY MERRITT	CAN	2012	1:20.60	RACHEL BARTON	GBR	2008	1:21.22	BRIGITTE MERTEN	GER	2006
1:08.58	CONNY BOER-BUYS	NED	2010	1:21.06	SATOKO TAKEUJI	JPN	2003	1:21.87	HARRIET BERGER	GER	2004
1:09.10	RACHEL BARTON	GBR	2009	1:21.74	MARGARET WILDING	GBR	2002	1:23.78	YOSHIKO OSAKI	JPN	1999
1:09.44	S.LOFTUS-CHARLEY	USA	2012	1:23.08	LYNETTE STEVENSON	AUS	2009	1:24.91	M.NEUMEISTER	GER	2012
1:09.69	LYNETTE STEVENSON	AUS	2009	1:23.58	HIROMI SATO	JPN	2002	1:24.92	C.NIEUWENHUIS	NED	2011
1:09.90	SANDERINA KRUGER	RSA	2009	1:23.89	ANKE KLATT	GER	2009	200 M. FLY			
1:09.92	MARGARETA RAINER	SWE	2009	200 M. BACK				2:41.25	LAURA VAL	USA	2011
1:10.11	AKIKO IWAMIZU	JPN	2010	2:41.71	LAURA VAL	USA	2012	3:00.31	BARBARA DUNBAR	USA	2009
200 M. FREE				2:52.88	BENEDICTE DUPREZ	FRA	2012	3:05.20	YOSHIKO OSAKI	JPN	2000
2:20.16	LAURA VAL	USA	2011	2:54.10	EVIE LYNCH	USA	2012	3:07.04	JUDY WILSON	GBR	2004
2:31.02	S.LOFTUS-CHARLEY	USA	2012	2:56.06	BONNIE PRONK	CAN	2002	3:08.25	S.LOFTUS-CHARLEY	USA	2011
2:31.69	CONNY BOER-BUYS	NED	2010	2:57.92	MARGARET WILDING	GBR	2000	3:10.03	M.NEUMEISTER	GER	2012
2:32.35	CATHY MERRITT	CAN	2012	2:58.33	MARGIT OHLSSON	SWE	2007	3:13.71	ARDETH MUELLER	USA	2004
2:32.48	ROSARIO VIVANCO	PER	2009	2:58.62	DIANN UUSTAL	USA	2010	3:17.45	RITSUKO KUROSAWA	JPN	2009
2:33.82	BARBARA DUNBAR	USA	2009	3:00.78	S.LOFTUS-CHARLEY	USA	2012	3:18.64	SARAH WELCH	USA	2008
2:35.20	MARGARETA RAINER	SWE	2009	3:01.08	TAKAKO NAKAHARA	JPN	2009	3:19.74	MICHIKO OTO	JPN	2011
2:35.61	SUSAN HAIGH	GBR	2012	3:01.86	JACKIE MARR	USA	2003	100 M. I.M.			
2:35.87	SANDERINA KRUGER	RSA	2010	50 M. BRST				1:15.72	LAURA VAL	USA	2012
2:37.84	DANIELLE OGIER	USA	2012	38.60	MONIKA SENFTLEBEN	GER	2002	1:17.48	CHARLOTTE DAVIS	USA	2010
400 M. FREE				38.97	BONNIE PRONK	CAN	2002	1:19.09	BRIGITTE MERTEN	GER	2006
4:55.54	LAURA VAL	USA	2011	39.60	DEB WALKER	USA	2011	1:19.86	DIANN UUSTAL	USA	2010
5:17.88	S.LOFTUS-CHARLEY	USA	2011	39.77	JAN WICKS	AUS	2006	1:20.80	CATHY MERRITT	CAN	2012
5:22.47	BARBARA DUNBAR	USA	2009	40.24	DALE BARNHARD	USA	2008	1:21.05	BONNIE PRONK	CAN	2002
5:23.74	ROSARIO VIVANCO	PER	2009	40.26	REGULA STEIGER	SUI	2012	1:21.20	HARRIET BERGER	GER	2004
5:24.69	JACKI HIRSTY	USA	2012	40.76	YVONNE CATTRALL	CAN	2008	1:21.47	JANETTE JEFFREY	AUS	2010
5:25.13	CONNY BOER-BUYS	NED	2010	40.82	JANETTE JEFFREY	AUS	2012	1:21.51	MARIE FUHRMANN	FRA	2007
5:25.71	SUSAN HAIGH	GBR	2012	40.98	JENNIFER MERRITT	GBR	2011	1:22.02	EVIE LYNCH	USA	2012
5:27.75	JACKIE MARR	USA	2003	40.98	HANNELORE ROSE	GER	2002	200 M. I.M.			
5:30.24	YOSHIKO OSAKI	JPN	2000	100 M. BRST				2:43.50	LAURA VAL	USA	2011
5:31.01	CATHY MERRITT	CAN	2012	1:26.43	HANNELORE ROSE	GER	2002	2:48.33	CHARLOTTE DAVIS	USA	2010
800 M. FREE				1:26.56	BONNIE PRONK	CAN	2002	2:52.64	S.LOFTUS-CHARLEY	USA	2011
10:21.68	LAURA VAL	USA	2011	1:27.07	DEB WALKER	USA	2011	2:54.07	CAROLE BATES	GBR	1998
10:39.12	S.LOFTUS-CHARLEY	USA	2011	1:28.79	NOBUKO YASUDA	JPN	2009	2:55.72	BONNIE PRONK	CAN	2002
10:58.58	BARBARA DUNBAR	USA	2009	1:29.10	JENNIFER MERRITT	GBR	2012	2:56.50	BRIGITTE MERTEN	GER	2009
11:09.72	SUSAN HAIGH	GBR	2012	1:29.34	KRISSY MACCUDY	USA	2012	2:57.32	CATHY MERRITT	CAN	2012
11:13.35	CONNY BOER-BUYS	NED	2010	1:29.68	MONIKA SENFTLEBEN	GER	2002	2:57.46	HARRIET BERGER	GER	2004
11:18.60	YOSHIKO OSAKI	JPN	2000	1:29.95	N SOYRIS MACAIRE	FRA	2012	2:58.28	BARBARA DUNBAR	USA	2009
11:24.28	ARDETH MUELLER	USA	2004	1:30.00	REGULA STEIGER	SUI	2012	2:59.95	YOSHIKO OSAKI	JPN	1998
11:24.51	CATHY MERRITT	CAN	2012								



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

400 M. I.M.		12:26.85 JANE ASHER	GBR 1999	1:35.93 ANNEROSE TROBISCH	GER 2012
5:51.81 LAURA VAL	USA 2011	12:26.96 ELAINE BLOWER	GBR 2010	1:36.24 SHOKO YONEZAWA	JPN 2001
5:57.70 CHARLOTTE DAVIS	USA 2010	12:30.34 LINDA ASHMORE	GBR 2012	200 M. BRST	
6:03.26 S.LOFTUS-CHARLEY	USA 2011	1500 M. FREE		3:14.89 NOBUKO YASUDA	JPN 2010
6:15.26 BARBARA DUNBAR	USA 2009	21:43.60 JEN THOMASSON	AUS 2008	3:17.44 JOANN LEILICH	USA 2004
6:21.36 BRIGITTE MERTEN	GER 2009	22:09.43 JACKIE MARR	USA 2008	3:20.83 LUISE KNOPFLE	GER 2004
6:25.24 BONNIE PRONK	CAN 2002	22:35.98 YOSHIKO OSAKI	JPN 2004	3:21.25 DIANE FORD	GBR 2008
6:27.20 JACKIE MARR	USA 2003	22:58.26 LINDA SHOENBERGER	USA 2012	3:23.72 BONNIE PRONK	CAN 2007
6:27.23 HANNELORE ROSE	GER 2002	22:59.28 SUZANNE DILLS	USA 2010	3:24.31 MASAYO AZUMA	JPN 2000
6:27.78 SUSAN HAIGH	GBR 2012	23:33.96 LINDA ASHMORE	GBR 2011	3:26.40 FLORA CONNOLLY	GBR 2000
6:28.22 YOSHIKO OSAKI	JPN 1999	23:38.44 CLARA WALKER	USA 1992	3:26.55 YOSHIKO OSAKI	JPN 2004
		23:44.34 JANE ASHER	GBR 1996	3:29.02 LOTTE MULLER	GER 1999
*****		23:54.51 BONNIE PRONK	CAN 2007	3:29.93 ELIANE PELLIS	BEL 1998
WOMEN 65-69		24:00.15 E.KETELSEN	DEN 2009	50 M. FLY	
*****		50 M. BACK		35.06 DIANN UUSTAL	USA 2011
50 M. FREE		35.58 DIANN UUSTAL	USA 2011	36.36 CHRISTEL SCHULZ	GER 2005
31.82 LYNETTE STEVENSON	AUS 2011	36.58 MARGIT OHLSSON	SWE 2010	36.66 JUDY WILSON	FRA 2010
31.91 HEIDE LORBERG	GER 2004	36.85 CLARY MUNNS	AUS 2009	36.71 MICHIE DOI	JPN 2009
32.06 DIANN UUSTAL	USA 2011	37.47 SILVANA ABREU	BRA 2006	36.79 YOSHIKO OSAKI	JPN 2003
32.25 CHRISTEL SCHULZ	GER 2005	37.63 SATOKO TAKEUJI	JPN 2007	37.10 BRIGITTE MERTEN	GER 2011
32.40 CLARY MUNNS	AUS 2009	38.08 LYNETTE STEVENSON	AUS 2011	37.31 LYNETTE STEVENSON	AUS 2011
32.53 STELLA HOLDSHTEIN	ISR 2012	38.25 PAM HUTCHINGS	AUS 2001	37.58 KIRA MAKAROVA	RUS 2012
32.66 B.AXLING	SWE 2011	38.91 B.AXLING	SWE 2011	38.06 JOY WARD	USA 2007
32.77 PAM HUTCHINGS	AUS 2002	39.11 BONNIE PRONK	CAN 2007	38.09 HISAKO SATO	JPN 2000
33.00 BITTE AXLING	SWE 2012	39.60 PENNY STEELE	AUS 2011	100 M. FLY	
33.09 YOSHIKO OSAKI	JPN 2005	100 M. BACK		1:23.41 BRIGITTE MERTEN	GER 2011
100 M. FREE		1:17.95 DIANN UUSTAL	USA 2011	1:23.61 JUDY WILSON	FRA 2010
1:10.76 DIANN UUSTAL	USA 2011	1:18.81 MARGIT OHLSSON	SWE 2011	1:24.98 KIRA MAKAROVA	RUS 2012
1:10.97 CHRISTEL SCHULZ	GER 2005	1:22.17 CLARY MUNNS	AUS 2009	1:25.28 YOSHIKO OSAKI	JPN 2003
1:13.48 YOSHIKO OSAKI	JPN 2004	1:25.00 BONNIE PRONK	CAN 2007	1:25.67 CAROLYN BOAK	USA 2010
1:13.59 RUTH SHAPS	USA 2012	1:25.53 PAM HUTCHINGS	AUS 2001	1:29.13 CHRISTEL SCHULZ	GER 2006
1:14.35 JEN THOMASSON	AUS 2010	1:25.61 SILVANA ABREU	BRA 2006	1:29.85 CLARY MUNNS	AUS 2009
1:14.67 JACKIE MARR	USA 2008	1:26.66 E.KETELSEN	DEN 2008	1:31.00 MARGOT PETTIJOHN	USA 2011
1:15.18 B.AXLING	SWE 2011	1:26.77 JULIE GUNTHORP	NZL 2012	1:31.92 HELGA REICH	GER 2001
1:15.29 E.KETELSEN	DEN 2009	1:26.96 BETSY JORDAN	USA 2002	1:33.07 CHRISTINE PERFECT	GBR 2004
1:15.32 LYNETTE STEVENSON	AUS 2011	1:28.02 NORIKO YOSHIDA	JPN 2010	200 M. FLY	
1:15.57 JEAN HOWARD-JONES	GBR 2008	200 M. BACK		3:15.63 CAROLYN BOAK	USA 2012
200 M. FREE		2:53.36 DIANN UUSTAL	USA 2011	3:17.36 YOSHIKO OSAKI	JPN 2003
2:38.60 DIANN UUSTAL	USA 2012	2:55.02 MARGIT OHLSSON	SWE 2011	3:17.86 KIRA MAKAROVA	RUS 2012
2:39.77 CAROLYN BOAK	USA 2010	3:01.88 BONNIE PRONK	CAN 2007	3:28.93 HELGA REICH	GER 2002
2:42.05 YOSHIKO OSAKI	JPN 2004	3:04.05 CLARY MUNNS	AUS 2011	3:29.98 SILVANA ABREU	BRA 2006
2:42.08 JACKIE MARR	USA 2008	3:08.42 CHRISTEL SCHULZ	GER 2006	3:31.98 FLORA CONNOLLY	GBR 1999
2:43.65 JEN THOMASSON	AUS 2010	3:08.61 PAM HUTCHINGS	AUS 2001	3:32.18 PATRICIA JACKSON	GBR 2012
2:44.02 CHRISTEL SCHULZ	GER 2005	3:09.52 NORIKO YOSHIDA	JPN 2009	3:32.93 JUNE KRAUSER	USA 1995
2:45.06 SUZANNE DILLS	USA 2010	3:10.14 JULIE GUNTHORP	NZL 2012	3:33.33 CLARY MUNNS	AUS 2010
2:47.42 PAM HUTCHINGS	AUS 2002	3:11.23 JACKIE MARR	USA 2008	3:33.38 JUDIE OLIVER	CAN 1997
2:50.11 BRIGITTE MERTEN	GER 2012	3:11.32 E.KETELSEN	DEN 2008	100 M. I.M.	
2:50.36 E.KETELSEN	DEN 2008	50 M. BRST		1:20.86 DIANN UUSTAL	USA 2011
400 M. FREE		40.90 NOBUKO YASUDA	JPN 2010	1:21.89 BRIGITTE MERTEN	GER 2011
5:35.53 CAROLYN BOAK	USA 2010	41.40 BONNIE PRONK	CAN 2009	1:22.53 CLARY MUNNS	AUS 2009
5:44.29 JACKIE MARR	USA 2008	41.53 MONIKA SENFTLEBEN	GER 2008	1:24.08 MARGIT OHLSSON	SWE 2011
5:46.47 SUZANNE DILLS	USA 2010	42.02 DIANN UUSTAL	USA 2011	1:24.45 NOBUKO YASUDA	JPN 2010
5:46.94 YOSHIKO OSAKI	JPN 2003	42.32 BRIGITTE MERTEN	GER 2011	1:24.71 CAROLYN BOAK	USA 2010
5:48.14 JEN THOMASSON	AUS 2010	42.35 JOANN LEILICH	USA 2005	1:24.95 YOSHIKO OSAKI	JPN 2005
5:56.24 CHRISTEL SCHULZ	GER 2006	42.38 IMMA GIER	GER 2012	1:25.00 CHRISTEL SCHULZ	GER 2005
5:58.95 DIANN UUSTAL	USA 2011	42.43 ANNEROSE TROBISCH	GER 2012	1:27.57 LYNETTE STEVENSON	AUS 2011
5:59.10 LAVELLE STOINOFF	USA 2002	42.46 DIANE FORD	GBR 2009	1:27.69 BONNIE PRONK	CAN 2007
5:59.84 LINDA ASHMORE	GBR 2012	42.83 KAYAKO HIROSE	JPN 2012	200 M. I.M.	
6:00.99 JANE ASHER	GBR 1996	100 M. BRST		3:02.58 BRIGITTE MERTEN	GER 2011
800 M. FREE		1:28.73 NOBUKO YASUDA	JPN 2010	3:04.22 CAROLYN BOAK	USA 2010
11:24.13 JEN THOMASSON	AUS 2008	1:31.87 BONNIE PRONK	CAN 2007	3:04.40 CLARY MUNNS	AUS 2012
11:40.70 JACKIE MARR	USA 2008	1:32.05 DIANE FORD	GBR 2008	3:05.72 NOBUKO YASUDA	JPN 2010
11:49.70 YOSHIKO OSAKI	JPN 2003	1:32.37 JOANN LEILICH	USA 2004	3:06.37 YOSHIKO OSAKI	JPN 2004
12:11.52 LINDA SHOENBERGER	USA 2012	1:33.03 HANNELORE ROSE	GER 2007	3:06.64 CHRISTEL SCHULZ	GER 2008
12:15.14 HANNELORE ROSE	GER 2008	1:33.89 LUISE KNOPFLE	GER 2004	3:10.11 HANNELORE ROSE	GER 2007
12:20.68 LAVELLE STOINOFF	USA 2002	1:34.50 MASAYO AZUMA	JPN 2000	3:10.12 BONNIE PRONK	CAN 2007
12:20.70 JAN CROFT	AUS 2009	1:34.98 TAMAE FURUYA	JPN 2012	3:11.69 MARGIT OHLSSON	SWE 2010



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

3:13.20 JACKIE MARR	USA 2008	13:23.92 PENNY WEBSTER	GBR 2012	1:42.16 MONIKA SENFTLEBEN	GER 2012
400 M. I.M.		13:27.12 BONNIE PRONK	USA 2012	1:42.21 MARGIT JEBE	USA 2008
6:31.71 CAROLYN BOAK	USA 2010	13:29.20 MARIA PENNA	BRA 2011	1:42.23 ELAINE BROMWICH	GBR 2012
6:34.95 YOSHIKO OSAKI	JPN 2003	13:30.87 NANCY BROWN	USA 2006	200 M. BRST	
6:45.14 CLARY MUNNS	AUS 2009	1500 M. FREE		3:25.76 JOANN LEILICH	USA 2009
6:45.94 JACKIE MARR	USA 2008	23:54.74 JANE ASHER	GBR 2004	3:28.98 MASAYO AZUMA	JPN 2005
6:49.48 BONNIE PRONK	CAN 2007	24:56.47 BARBARA FENTIMAN	GBR 2004	3:30.16 SHOKO YONEZAWA	JPN 2005
6:51.93 HANNELORE ROSE	GER 2008	24:57.85 JUNE KRAUSER	USA 1996	3:33.22 LUISE KNOPFLE	GER 2009
6:57.58 FLORA CONNOLLY	GBR 2000	25:14.99 HELGA REICH	GER 2006	3:40.16 TAYO FUJIEDA	JPN 2007
7:01.55 JUDIE OLIVER	CAN 1999	25:19.73 REIKO ISHIZAKI	JPN 2009	3:43.02 DIANE STOWELL	USA 2005
7:02.74 SUZANNE DILLS	USA 2010	25:40.21 GAIL ROPER	USA 1999	3:44.03 JUDIE OLIVER	CAN 2002
7:05.86 DANIELA BARNEA	USA 2009	25:50.12 JILL COMPLIN	GBR 2012	3:44.40 INGRID LUNING	GER 2010
*****		25:56.01 MARIA PENNA	BRA 2011	3:44.57 ELIANE PELLIS	BEL 2004
WOMEN 70-74		26:05.53 LINDA MACPHERSON	CAN 2011	3:45.54 ELAINE BROMWICH	GBR 2012
*****		26:05.82 NANCY BROWN	USA 2006	50 M. FLY	
50 M. FREE		50 M. BACK		37.96 YOSHIKO OSAKI	JPN 2009
33.34 CHRISTEL SCHULZ	GER 2010	40.49 MARGARET WILDING	GBR 2009	39.02 CHRISTEL SCHULZ	GER 2010
33.36 YOSHIKO OSAKI	JPN 2009	40.58 JOY WARD	USA 2012	39.36 HARUMI SUGIMOTO	JPN 2008
33.86 JANE ASHER	GBR 2004	40.61 PAM HUTCHINGS	AUS 2008	39.44 JANE ASHER	GBR 2004
35.14 GERD DURRE	GER 2006	40.97 YOSHIKO OSAKI	JPN 2009	39.81 BARBARA FRID	USA 2012
35.28 PAM HUTCHINGS	AUS 2008	41.23 SHOKO YONEZAWA	JPN 2005	40.39 HISAKO KITAYAMA	JPN 2009
35.37 GAIL ROPER	USA 1999	41.45 GERD DURRE	GER 2006	40.56 HISAKO SATO	JPN 2006
35.54 GYNT CLIFFORD	USA 2009	41.70 BETSY JORDAN	USA 2007	40.58 HAIKE HOLER	GER 2006
35.60 FUSAKO HIROOKA	JPN 2007	41.82 CHRISTEL SCHULZ	GER 2011	40.66 GAIL ROPER	USA 1999
35.66 BETH SCHREINER	USA 2011	42.58 DORIS STEADMAN	USA 1995	41.16 HELGA REICH	GER 2006
36.13 OLGA KREJCI	SUI 2007	42.85 V.JOHANSSON	SWE 2005	100 M. FLY	
100 M. FREE		100 M. BACK		1:28.55 YOSHIKO OSAKI	JPN 2009
1:12.97 YOSHIKO OSAKI	JPN 2009	1:26.25 SATOKO TAKEUJI	JPN 2012	1:34.70 JANE ASHER	GBR 2001
1:14.69 CHRISTEL SCHULZ	GER 2010	1:29.10 CHRISTEL SCHULZ	GER 2011	1:34.86 HELGA REICH	GER 2006
1:16.45 JANE ASHER	GBR 2004	1:29.64 JOY WARD	USA 2012	1:37.41 CHRISTEL SCHULZ	GER 2010
1:18.67 GAIL ROPER	USA 1999	1:29.93 BETSY JORDAN	USA 2007	1:37.56 GAIL ROPER	USA 1999
1:20.29 PAM HUTCHINGS	AUS 2008	1:31.24 SHOKO YONEZAWA	JPN 2005	1:38.39 HAIKE HOLER	GER 2006
1:21.57 HELGA REICH	GER 2007	1:31.31 V.JOHANSSON	SWE 2005	1:39.02 JUDIE OLIVER	CAN 2002
1:21.87 BARBARA FRID	USA 2012	1:32.28 BONNIE PRONK	CAN 2012	1:40.05 HISAKO SATO	JPN 2006
1:22.10 V.JOHANSSON	SWE 2007	1:33.27 YOSHIKO OSAKI	JPN 2009	1:40.20 JUNE KRAUSER	USA 1996
1:22.71 BETH SCHREINER	USA 2011	1:34.24 NANCY BROWN	USA 2006	1:44.36 GYNT CLIFFORD	USA 2012
1:22.99 LOTTIE GEURTS	NED 2006	1:34.51 GRETHE BENDTSEN	DEN 2000	200 M. FLY	
200 M. FREE		200 M. BACK		3:34.59 YOSHIKO OSAKI	JPN 2009
2:44.70 YOSHIKO OSAKI	JPN 2008	3:12.67 JOY WARD	USA 2012	3:37.23 HELGA REICH	GER 2006
2:47.82 CHRISTEL SCHULZ	GER 2010	3:17.71 BONNIE PRONK	CAN 2012	3:38.39 JUNE KRAUSER	USA 1996
2:49.28 JANE ASHER	GBR 2003	3:17.86 CHRISTEL SCHULZ	GER 2011	3:44.96 JANE ASHER	GBR 2001
2:55.57 HELGA REICH	GER 2007	3:18.61 V.JOHANSSON	SWE 2005	3:45.64 GAIL ROPER	USA 1999
2:58.06 GAIL ROPER	USA 2000	3:20.96 JANE ASHER	GBR 2001	3:49.52 LINDA MACPHERSON	CAN 2010
3:00.93 NANCY BROWN	USA 2006	3:24.21 YOSHIKO OSAKI	JPN 2009	3:55.59 JUDIE OLIVER	CAN 2004
3:01.93 PAM HUTCHINGS	AUS 2008	3:25.04 NANCY BROWN	USA 2006	3:58.01 BETTY RUSS	USA 1997
3:01.98 MAREN PISKORA	GER 2007	3:25.71 PAM HUTCHINGS	AUS 2008	3:59.95 HIROKO KOBAYASHI	JPN 2010
3:03.28 LINDA MACPHERSON	CAN 2010	3:27.79 DORIS STEADMAN	USA 1995	4:01.41 SUSAN MEYERS	USA 2012
3:04.77 JEAN TROY	USA 1998	3:28.52 KAZUKO ITO	JPN 2012	100 M. I.M.	
400 M. FREE		50 M. BRST		1:24.88 YOSHIKO OSAKI	JPN 2009
5:50.41 YOSHIKO OSAKI	JPN 2008	42.80 SHOKO YONEZAWA	JPN 2005	1:27.39 CHRISTEL SCHULZ	GER 2010
6:00.34 JANE ASHER	GBR 2003	43.18 MONIKA SENFTLEBEN	GER 2012	1:27.80 SHOKO YONEZAWA	JPN 2005
6:19.80 HELGA REICH	GER 2006	44.22 JOANN LEILICH	USA 2011	1:32.23 GAIL ROPER	USA 2000
6:24.11 BARBARA FENTIMAN	GBR 2004	44.74 KAZUKO KAJIWARA	JPN 2009	1:33.49 JANE ASHER	GBR 2003
6:26.99 MARIA PENNA	BRA 2009	45.08 EDITH BOEHM	GER 1999	1:34.10 JUDIE OLIVER	CAN 2002
6:27.21 GAIL ROPER	USA 1999	45.19 YOSHIKO OSAKI	JPN 2010	1:35.10 BONNIE PRONK	CAN 2012
6:28.81 JUNE KRAUSER	USA 1996	45.38 ELAINE BROMWICH	GBR 2012	1:35.21 HELGA REICH	GER 2006
6:29.70 HISAKO SATO	JPN 2006	45.55 MASAYO AZUMA	JPN 2005	1:35.57 TAYO FUJIEDA	JPN 2009
6:30.94 NANCY BROWN	USA 2006	45.56 ERIKA LANGE	GER 1998	1:36.29 V.ANN JOHANSSON	SWE 2006
6:31.04 LINDA MACPHERSON	CAN 2010	45.63 MARGIT JEBE	USA 2008	200 M. I.M.	
800 M. FREE		100 M. BRST		3:11.14 YOSHIKO OSAKI	JPN 2009
12:30.00 JANE ASHER	GBR 2004	1:35.58 SHOKO YONEZAWA	JPN 2005	3:12.16 CHRISTEL SCHULZ	GER 2011
13:00.04 BARBARA FENTIMAN	GBR 2004	1:36.63 YOSHIKO OSAKI	JPN 2010	3:21.52 JUDIE OLIVER	CAN 2002
13:03.64 HELGA REICH	GER 2006	1:36.94 MASAYO AZUMA	JPN 2005	3:24.64 JANE ASHER	GBR 2001
13:07.28 JUNE KRAUSER	USA 1996	1:37.11 LUISE KNOPFLE	GER 2009	3:25.28 HELGA REICH	GER 2006
13:20.64 JILL COMPLIN	GBR 2012	1:37.20 JOANN LEILICH	USA 2009	3:26.44 SHOKO YONEZAWA	JPN 2006
13:23.18 HISAKO SATO	JPN 2006	1:41.38 TAYO FUJIEDA	JPN 2007	3:28.17 JOY WARD	USA 2012
		1:41.98 KUMIE TOKUDA	JPN 2008	3:30.92 GAIL ROPER	USA 1999



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3:31.29	JUNE KRAUSER	USA	1999	14:23.70	URSULA FROHLICH	GER	2010	1:47.80	SYLVIA NEUHAUSER	AUT	2004
3:32.12	V. JOHANSSON	SWE	2005	14:29.27	LIZ WALLIS	AUS	2002	1:48.28	SATOKO SUZUKI	JPN	1998
400 M. I.M.				14:30.66	BRITT GRILLI	SWE	2003	1:49.85	JANE ASHER	GBR	2006
6:56.79	YOSHIKO OSAKI	JPN	2008	14:31.11	DENISE ROBERTSON	AUS	2012	1:50.24	ANN HIRSCH	USA	2008
7:09.96	JANE ASHER	GBR	2001	14:32.87	RONNIE KAMPHAUSEN	USA	2009	200 M. BRST			
7:19.12	JUDIE OLIVER	CAN	2002	1500 M. FREE				3:33.03	SHOKO YONEZAWA	JPN	2010
7:24.32	JUNE KRAUSER	USA	1996	24:04.75	JANE ASHER	GBR	2006	3:40.80	MASAYO AZUMA	JPN	2010
7:34.98	URSULA FROHLICH	GER	2005	26:37.02	GAIL ROPER	USA	2005	3:47.58	ELIANE PELLIS	BEL	2008
7:36.99	GAIL ROPER	USA	1999	26:37.41	DENISE ROBERTSON	AUS	2011	3:49.39	A.VAN OBBERGHEN	BEL	2008
7:41.64	KAZUKO ITO	JPN	2012	26:44.97	HELGA REICH	GER	2012	3:51.47	TAYO FUJIEDA	JPN	2012
7:47.33	BETSY JORDAN	USA	2007	27:14.94	MICHIKO OKUMURA	JPN	2006	3:54.55	SYLVIA NEUHAUSER	AUT	2004
7:47.34	NANCY BROWN	USA	2006	27:33.16	LIZ WALLIS	AUS	2002	3:56.11	JANE ASHER	GBR	2006
7:48.97	NANCY MACBETH	USA	1999	27:39.46	JUNE KRAUSER	USA	2001	3:56.51	ANN HIRSCH	USA	2008
*****				27:47.25	MARGERIE MEYER	USA	1998	4:00.34	JUDIE OLIVER	CAN	2008
*****				28:06.91	BETSY JORDAN	USA	2012	4:03.79	GAIL ROPER	USA	2004
*****				28:12.65	CHISATO MIYAWAKI	JPN	2012	50 M. FLY			
*****				50 M. BACK				40.71	JANE ASHER	GBR	2006
*****				43.19	MARLENE MENDES	BRA	2008	42.23	HISAKO KITAYAMA	JPN	2012
50 M. FREE				43.50	JANE ASHER	GBR	2006	44.18	GAIL ROPER	USA	2004
35.88	JANE ASHER	GBR	2006	43.54	SHOKO YONEZAWA	JPN	2010	44.53	JUDIE OLIVER	CAN	2007
37.24	GAIL ROPER	USA	2004	44.24	PAM HUTCHINGS	AUS	2012	45.00	MARCELA STASTNA	CZE	2012
37.31	HISAKO KITAYAMA	JPN	2012	44.76	DORIS STEADMAN	USA	1999	46.07	HELGA REICH	GER	2011
37.33	JOHNNIE DETRICK	USA	2011	45.19	NANCY BROWN	USA	2011	47.88	LOIS NOCHMAN	USA	1999
37.38	SHOKO YONEZAWA	JPN	2011	45.28	JOAN PARNELL	CAN	2004	47.89	HISAKO SATO	JPN	2010
38.14	PAM HUTCHINGS	AUS	2012	46.00	EVA JAROSOVA	CZE	2011	48.69	MICHIKO OKUMURA	JPN	2007
38.35	LOTTIE GEURTS	NED	2010	46.03	GRETHE BENDTSEN	DEN	2006	48.70	JEAN TROY	USA	2002
38.46	HAIDE LORBERG	GER	2011	46.25	MAE WALDIE	CAN	2011	100 M. FLY			
38.85	M. CUNNINGHAM	AUS	2002	100 M. BACK				1:44.35	JUDIE OLIVER	CAN	2007
38.86	FUSAKO HIROOKA	JPN	2012	1:34.38	ELIANE PELLIS	BEL	2009	1:45.10	JANE ASHER	GBR	2006
100 M. FREE				1:36.33	SHOKO YONEZAWA	JPN	2010	1:46.98	HELGA REICH	GER	2011
1:18.59	JANE ASHER	GBR	2006	1:36.90	NANCY BROWN	USA	2011	1:49.36	GAIL ROPER	USA	2005
1:24.31	GAIL ROPER	USA	2005	1:37.87	PAM HUTCHINGS	AUS	2012	1:49.51	MARCELA STASTNA	CZE	2012
1:25.21	SHOKO YONEZAWA	JPN	2011	1:37.87	JANE ASHER	GBR	2006	1:50.11	SYLVIA NEUHAUSER	AUT	2005
1:26.20	JEAN TROY	USA	2002	1:39.76	DORIS STEADMAN	USA	2000	1:52.25	JUNE KRAUSER	USA	2001
1:28.49	M. CUNNINGHAM	AUS	2000	1:41.65	GRETHE BENDTSEN	DEN	2006	1:56.17	JOAN ALEXANDER	USA	2009
1:28.57	PAM HUTCHINGS	AUS	2012	1:41.86	MARLENE MENDES	BRA	2008	1:56.42	LOIS NOCHMAN	USA	1999
1:28.71	JOHNNIE DETRICK	USA	2012	1:42.74	EVA JAROSOVA	CZE	2011	1:58.42	JEAN TROY	USA	2002
1:28.83	YURIKO NAGAMATSU	JPN	2010	1:42.86	BARBARA MORTON	GBR	2011	200 M. FLY			
1:28.96	DENISE ROBERTSON	AUS	2010	200 M. BACK				3:57.63	HELGA REICH	GER	2012
1:28.97	HISAKO KITAYAMA	JPN	2012	3:32.59	JANE ASHER	GBR	2006	4:00.46	JUDIE OLIVER	CAN	2007
200 M. FREE				3:34.09	NANCY BROWN	USA	2011	4:06.06	JANE ASHER	GBR	2006
2:57.19	JANE ASHER	GBR	2006	3:38.25	DORIS STEADMAN	USA	1999	4:08.39	LOIS KIVI NOCHMAN	USA	1999
3:07.58	GAIL ROPER	USA	2005	3:40.06	BETTY LORENZI	USA	2003	4:09.28	GAIL ROPER	USA	2004
3:11.94	KUMIE TOKUDA	JPN	2012	3:40.33	PAM HUTCHINGS	AUS	2012	4:12.50	JUNE KRAUSER	USA	2001
3:11.99	JEAN TROY	USA	2002	3:41.22	JUDIE OLIVER	CAN	2009	4:25.06	SUE MAYNE	AUS	2011
3:12.60	HELGA REICH	GER	2011	3:41.86	EVA JAROSOVA	CZE	2012	4:33.31	BETTY RUSS	USA	2004
3:13.88	DENISE ROBERTSON	AUS	2010	3:42.98	MISAO MATSUMOTO	JPN	2011	4:33.81	SYLVIA EISELE	CAN	2004
3:15.76	JUDIE OLIVER	CAN	2007	3:44.40	MARLENE MENDES	BRA	2008	4:39.22	ANN HIRSCH	USA	2006
3:18.83	LOTTIE GEURTS	NED	2011	3:46.02	HISAKO KITAYAMA	JPN	2012	100 M. I.M.			
3:20.33	PAM HUTCHINGS	AUS	2012	50 M. BRST				1:31.62	SHOKO YONEZAWA	JPN	2010
3:21.48	M. CUNNINGHAM	AUS	2001	43.79	SHOKO YONEZAWA	JPN	2010	1:32.92	JANE ASHER	GBR	2006
400 M. FREE				46.86	ELIANE PELLIS	BEL	2008	1:38.11	GAIL ROPER	USA	2004
6:09.40	JANE ASHER	GBR	2006	46.94	A.VAN OBBERGHEN	BEL	2008	1:38.73	JUDIE OLIVER	CAN	2007
6:39.88	DENISE ROBERTSON	AUS	2010	47.15	EDITH BOHM	GER	2003	1:42.45	TAYO FUJIEDA	JPN	2012
6:44.09	JEAN TROY	USA	2002	47.66	MASAYO AZUMA	JPN	2010	1:42.50	MARCELA STASTNA	CZE	2012
6:49.27	HELGA REICH	GER	2012	48.23	GISELA GRUNER	GER	2012	1:44.43	HELGA REICH	GER	2011
6:54.68	GAIL ROPER	USA	2004	48.26	KUMIE TOKUDA	JPN	2012	1:45.44	SYLVIA NEUHAUSER	AUT	2004
6:55.16	TAYO FUJIEDA	JPN	2012	49.57	SATOKO SUZUKI	JPN	1998	1:46.18	M. CUNNINGHAM	AUS	2000
6:57.33	LIZ WALLIS	AUS	2002	50.10	MARCELA STASTNA	CZE	2012	1:46.45	MICHIKO OKUMURA	JPN	2006
7:00.56	JUNE KRAUSER	USA	2001	50.33	TAYO FUJIEDA	JPN	2012	200 M. I.M.			
7:01.36	MARGERIE MEYER	USA	1998	100 M. BRST				3:31.20	JANE ASHER	GBR	2006
7:03.77	URSULA FROHLICH	GER	2010	1:36.48	SHOKO YONEZAWA	JPN	2010	3:35.06	JUDIE OLIVER	CAN	2007
800 M. FREE				1:42.36	MASAYO AZUMA	JPN	2010	3:37.24	GAIL ROPER	USA	2005
12:42.75	JANE ASHER	GBR	2006	1:43.34	ELIANE PELLIS	BEL	2008	3:43.58	JUNE KRAUSER	USA	2001
13:59.01	JEAN TROY	USA	2002	1:44.01	A.VAN OBBERGHEN	BEL	2008	3:45.86	MARCELA STASTNA	CZE	2012
14:00.34	HELGA REICH	GER	2012	1:46.09	KUMIE TOKUDA	JPN	2012	3:47.43	HELGA REICH	GER	2011
14:12.12	GAIL ROPER	USA	2005	1:47.02	TAYO FUJIEDA	JPN	2012	3:49.91	JEAN TROY	USA	2002
14:21.26	MICHIKO OKUMURA	JPN	2006								



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

3:53.51	MICHIKO OKUMURA	JPN	2006	15:43.22	DOROTHY DICKEY	AUS	2011	2:03.93	SAYOKO WATANABE	JPN	2007
3:53.53	SUE MAYNE	AUS	2012	15:49.21	RITA SIMONTON	USA	1998	2:04.65	SYLVIA EISELE	CAN	2009
3:55.25	TAYO FUJIEDA	JPN	2012	16:04.77	VIRGINIA KETELEER	BEL	2006	2:06.51	NANETTE BOHL	USA	2009
400 M.	I.M.			16:18.58	MARJORIE SHARPE	USA	1997	2:06.59	EMMI PAULI	GER	1993
7:34.39	JANE ASHER	GBR	2006	16:20.82	AIKO HORII	JPN	2010	2:07.67	EIKO MORI	JPN	2007
7:39.96	JUDIE OLIVER	CAN	2007	16:39.28	DIONNE CALDWELL	USA	2012	200 M.	BRST		
7:52.71	JUNE KRAUSER	USA	2001	1500 M.	FREE			4:00.52	A.VAN OBBERGHEN	BEL	2011
7:59.77	NANCY BROWN	USA	2011	25:45.37	JANE ASHER	GBR	2011	4:10.42	JUDIE OLIVER	CAN	2012
8:05.23	GAIL ROPER	USA	2006	28:55.09	JEAN TROY	USA	2007	4:12.33	JANE ASHER	GBR	2011
8:16.68	SUE MAYNE	AUS	2011	29:34.22	DOROTHY DICKEY	AUS	2010	4:16.16	ANN HIRSCH	USA	2011
8:27.31	ANN HIRSCH	USA	2008	29:39.08	MARGERIE MEYER	USA	2002	4:29.24	EIKO MORI	JPN	2007
8:30.82	LOIS NOCHMAN	USA	1999	29:48.75	RITA SIMONTON	USA	1998	4:31.25	SYLVIA EISELE	CAN	2009
8:30.87	JEAN TROY	USA	2002	30:32.06	VIRGINIA KETELEER	BEL	2005	4:36.67	NANETTE BOHL	USA	2009
8:38.09	SYLVIA EISELE	CAN	2004	30:43.62	NAN BOHL	USA	2012	4:38.57	DOROTHY WILLIAMS	GBR	2003
*****				30:45.08	MICHIKO OKUMURA	JPN	2011	4:43.05	NAN BOHL	USA	2011
				30:59.09	MARJORIE SHARPE	USA	1997	4:47.03	JOAN KIDD	GBR	2007
				31:45.05	LOIS KIVI NOCHMAN	USA	2004	50 M.	FLY		
	WOMEN 80-84			50 M.	BACK			45.57	JANE ASHER	GBR	2011
*****				46.10	JANE ASHER	GBR	2011	46.90	JUDIE OLIVER	CAN	2012
50 M.	FREE			48.82	KERSTIN GJORES	SWE	2007	48.85	GAIL ROPER	USA	2009
37.67	JANE ASHER	GBR	2011	49.02	JOAN PARNELL	CAN	2008	55.65	LOIS KIVI NOCHMAN	USA	2004
38.03	GAIL ROPER	USA	2009	49.09	GRETHE BENDTSEN	DEN	2010	56.51	CHIE TANI	JPN	2006
40.24	MITSUKO KOMURO	JPN	2010	50.03	MARGERIE MEYER	USA	2002	57.97	NANCY KINNEY	USA	2009
41.34	MARGERIE MEYER	USA	2002	50.73	NANCY KINNEY	USA	2009	58.13	SYLVIA EISELE	CAN	2009
41.40	CHIE TANI	JPN	2007	51.19	ANNELIESE POKER	GER	2001	58.20	JEAN TROY	USA	2008
41.45	JEAN TROY	USA	2007	51.55	BETTY LORENZI	USA	2007	58.34	ANN HIRSCH	USA	2011
41.78	M. CUNNINGHAM	AUS	2005	51.71	KIMIKO OOKA	JPN	2011	1:00.43	Y.KAPLAN BADER	FRA	2009
41.98	OLGA JOHNSON	NZL	2001	51.95	CLARA WALKER	USA	2008	100 M.	FLY		
42.01	FLORENCE CARR	USA	2005	100 M.	BACK			1:50.08	JUDIE OLIVER	CAN	2012
42.37	MIEKO KAMOSHITA	JPN	2007	1:44.88	JANE ASHER	GBR	2011	1:58.02	GAIL ROPER	USA	2009
100 M.	FREE			1:49.83	JOAN PARNELL	CAN	2008	1:59.41	JANE ASHER	GBR	2011
1:23.46	JANE ASHER	GBR	2011	1:50.61	BETTY LORENZI	USA	2007	2:02.63	LOIS KIVI NOCHMAN	USA	2004
1:26.23	GAIL ROPER	USA	2009	1:50.90	JUDIE OLIVER	CAN	2012	2:14.51	CHIE TANI	JPN	2007
1:33.88	JEAN TROY	USA	2007	1:52.72	KERSTIN GJORES	SWE	2007	2:16.00	Y.KAPLAN-BADER	FRA	2008
1:34.45	MARGERIE MEYER	USA	2002	1:53.51	KIMIKO OOKA	JPN	2009	2:17.23	SYLVIA EISELE	CAN	2009
1:34.59	M. CUNNINGHAM	AUS	2005	1:54.86	GRETHE BENDTSEN	DEN	2010	2:19.85	JEAN TROY	USA	2008
1:36.42	BRITT GRILLI	SWE	2008	1:55.79	MARGERIE MEYER	USA	2002	2:22.05	GERTRUD MEERWALD	GER	2000
1:37.16	NAN BOHL	USA	2011	1:56.30	NANCY KINNEY	USA	2010	2:22.88	BETTY RUSS	USA	2008
1:37.67	JUDIE OLIVER	CAN	2012	1:57.07	DORIS STEADMAN	USA	2004	200 M.	FLY		
1:38.96	MIEKO KAMOSHITA	JPN	2008	200 M.	BACK			4:10.18	JUDIE OLIVER	CAN	2012
1:39.76	ELSA DE LEEUW	CAN	2004	3:42.88	JANE ASHER	GBR	2011	4:31.97	LOIS KIVI NOCHMAN	USA	2005
200 M.	FREE			3:58.27	JUDIE OLIVER	CAN	2012	4:54.54	BETTY RUSS	USA	2008
3:01.61	JANE ASHER	GBR	2011	3:59.15	NANCY KINNEY	USA	2009	5:20.76	Y.KAPLAN-BADER	FRA	2010
3:18.57	GAIL ROPER	USA	2009	4:07.13	BETTY LORENZI	USA	2007	5:22.65	MAXINE O MERLINO	USA	1992
3:26.52	JEAN TROY	USA	2007	4:08.87	JOAN PARNELL	CAN	2008	5:24.06	JAE HOWELL	USA	2002
3:27.57	MARGERIE MEYER	USA	2002	4:09.07	DORIS STEADMAN	USA	2004	5:27.00	JEAN DURSTON	USA	1997
3:35.64	NAN BOHL	USA	2011	4:13.99	KERSTIN GJORES	SWE	2010	5:29.14	THELMA BRYAN	AUS	2010
3:36.33	AIKO HORII	JPN	2010	4:14.53	MARGERIE MEYER	USA	2003	5:39.29	DOROTHY WESTON	GBR	1996
3:36.68	NANETTE BOHL	USA	2009	4:14.67	AIKO GOTO	JPN	2011	6:01.96	NANCY DURSTEIN	USA	2009
3:37.21	RITA SIMONTON	USA	1998	4:16.47	KIMIKO OOKA	JPN	2011	100 M.	I.M.		
3:38.05	JUDIE OLIVER	CAN	2012	50 M.	BRST			1:42.46	JANE ASHER	GBR	2011
3:41.35	YOSHIKO IKEUCHI	JPN	2011	49.35	A.VAN OBBERGHEN	BEL	2011	1:44.78	JUDIE OLIVER	CAN	2012
400 M.	FREE			50.48	SATOKO SUZUKI	JPN	2003	1:44.95	GAIL ROPER	USA	2009
6:34.92	JANE ASHER	GBR	2011	51.34	EDITH BOHM	GER	2008	1:49.26	MITSUKO KOMURO	JPN	2010
7:20.96	JEAN TROY	USA	2007	53.62	ANN HIRSCH	USA	2011	1:56.27	JOAN PARNELL	CAN	2008
7:22.84	MARGERIE MEYER	USA	2002	54.63	JOAN PARNELL	CAN	2008	1:56.65	JEAN TROY	USA	2007
7:32.58	JUDIE OLIVER	CAN	2012	55.13	SYLVIA EISELE	CAN	2009	1:57.48	ANN HIRSCH	USA	2011
7:33.69	RITA SIMONTON	USA	1998	55.81	MICHELE GUILLAIS	FRA	2001	1:57.93	NANCY KINNEY	USA	2009
7:37.49	DOROTHY DICKEY	AUS	2010	55.94	NANETTE BOHL	USA	2009	1:59.06	M. CUNNINGHAM	AUS	2005
7:41.09	NAN BOHL	USA	2011	55.98	JANE ASHER	GBR	2011	2:00.15	CHIE TANI	JPN	2006
7:42.75	AIKO HORII	JPN	2010	56.09	SAYOKO WATANABE	JPN	2007	200 M.	I.M.		
7:44.00	M. CUNNINGHAM	AUS	2005	100 M.	BRST			3:43.73	JANE ASHER	GBR	2011
7:53.24	BRITT GRILLI	SWE	2009	1:49.73	A.VAN OBBERGHEN	BEL	2011	3:47.29	JUDIE OLIVER	CAN	2012
800 M.	FREE			1:54.30	SATOKO SUZUKI	JPN	2003	3:55.51	GAIL ROPER	USA	2009
12:49.43	JANE ASHER	GBR	2011	1:57.31	ANN HIRSCH	USA	2011	4:07.66	JEAN TROY	USA	2007
15:12.35	JEAN TROY	USA	2007	1:58.44	JANE ASHER	GBR	2011	4:16.31	MITSUKO KOMURO	JPN	2010
15:30.51	MARGERIE MEYER	USA	2005	1:59.72	JUDIE OLIVER	CAN	2012	4:22.00	SYLVIA EISELE	CAN	2009
15:31.74	NAN BOHL	USA	2011								



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4:22.29	LOIS KIVI NOCHMAN	USA	2005	18:14.96	ELSA DE LEEUW	CAN	2009	2:26.71	DOROTHY WILLIAMS	GBR	2008
4:22.97	CHIE TANI	JPN	2006	18:15.27	BETTY RUSS	USA	2012	2:28.12	LIS KNUTZEN	DEN	2006
4:25.53	ANN HIRSCH	USA	2012	19:13.43	LOIS KIVI NOCHMAN	USA	2009	2:29.90	MARIA LENK	BRA	2000
4:36.03	M. CUNNINGHAM	AUS	2005	19:41.58	MAXINE MERLINO	USA	1998	2:30.50	EVA KOPLIKOVA	CZE	2012
400 M. I.M.				20:28.81	MARJORIE SHARPE	USA	2003	2:31.34	KALIS RASMUSSEN	CAN	2009
8:04.67	JUDIE OLIVER	CAN	2012	20:31.49	WILLY VAN RYSEL	GBR	2001	2:33.87	EMMI PAULI	GER	1998
8:07.34	JANE ASHER	GBR	2011	20:47.07	KALIS RASMUSSEN	CAN	2009	200 M. BRST			
8:39.68	GAIL ROPER	USA	2009	1500 M. FREE				5:09.65	DOROTHY WILLIAMS	GBR	2008
9:30.65	JEAN TROY	USA	2007	30:50.51	BETTY LORENZI	USA	2012	5:13.19	JEAN TROY	USA	2012
9:31.73	LOIS KIVI NOCHMAN	USA	2004	31:44.50	RITA SIMONTON	USA	2003	5:15.45	OLGA KOKORINA	RUS	2012
9:37.55	BETTY RUSS	USA	2008	33:03.30	MARGERIE MEYER	USA	2007	5:26.93	EVA KOPLIKOVA	CZE	2012
9:42.82	SYLVIA EISELE	CAN	2009	35:03.42	BETTY RUSS	USA	2012	5:29.71	ELSA DE LEEUW	CAN	2009
9:50.43	MAXINE MERLINO	USA	1992	36:38.30	LOIS KIVI NOCHMAN	USA	2009	5:33.41	MICHIO KAMURO	JPN	2004
10:09.01	JEAN DURSTON	USA	1994	37:28.53	MAXINE MERLINO	USA	1998	5:39.33	MARIA LENK	BRA	2000
10:22.74	NANCY DURSTEIN	USA	2009	39:25.76	WILLY VAN RYSEL	GBR	2001	5:45.85	LIS KNUTZEN	DEN	2007
*****				40:12.16	PEGGY SANBORN	USA	2012	5:46.07	MARIANNA BERKLEY	USA	2007
				40:39.66	KALIS RASMUSSEN	CAN	2009	5:48.49	KALIS RASMUSSEN	CAN	2009
				41:11.16	KAY SCHIMPF	USA	2002	50 M. FLY			
WOMEN 85-89				50 M. BACK				1:02.04	LOIS KIVI NOCHMAN	USA	2009
*****				51.75	BETTY LORENZI	USA	2012	1:06.92	JEAN TROY	USA	2012
50 M. FREE				56.46	KERSTIN GJORES	SWE	2012	1:07.35	JEAN DURSTON	USA	1999
44.68	MIEKO KAMOSHITA	JPN	2012	57.62	BUNNY CEDERLUND	USA	2006	1:11.38	MARIA LENK	BRA	2000
45.84	TOKUYO KAMIGAKI	JPN	2011	58.02	NOEL MORROW	CAN	2004	1:12.55	NORA RONAI	BRA	2009
46.31	OLGA JOHNSON	NZL	2006	58.38	MASA SHIGEMITSU	JPN	2000	1:16.65	M. CUNNINGHAM	AUS	2010
46.35	JEAN TROY	USA	2012	59.11	MARGERIE MEYER	USA	2008	1:16.71	MAXINE MERLINO	USA	1998
48.10	MARGERIE MEYER	USA	2008	59.34	KAZUKO TAGUCHI	JPN	2011	1:19.27	JUNE REYNOLDS	USA	2007
48.37	BETTY RUSS	USA	2012	59.64	REIKO OKUBO	JPN	2012	1:23.04	CHARLOTTE SANDDAL	USA	2009
48.90	M.KAPCAROVA	SVK	2012	59.67	WILLY VAN RYSEL	GBR	2001	1:23.39	PARVATI JODJANA	FRA	2011
49.14	FUSAKO YAMANAKA	JPN	2005	1:00.29	SILVIA CRAVERI	ITA	2009	100 M. FLY			
49.48	HISAKO KOGA	JPN	2003	100 M. BACK				2:21.77	LOIS KIVI NOCHMAN	USA	2009
49.77	M. CUNNINGHAM	AUS	2010	1:52.21	BETTY LORENZI	USA	2012	2:34.24	BETTY RUSS	USA	2012
100 M. FREE				2:05.95	KERSTIN GJORES	SWE	2012	2:36.50	JEAN DURSTON	USA	1999
1:43.97	JEAN TROY	USA	2012	2:10.33	BUNNY CEDERLUND	USA	2006	2:51.00	MAXINE MERLINO	USA	1998
1:46.95	MARGERIE MEYER	USA	2008	2:11.03	WILLY VAN RYSEL	GBR	2001	2:59.72	JUNE REYNOLDS	USA	2007
1:47.73	BETTY LORENZI	USA	2012	2:11.06	SILVIA CRAVERI	ITA	2009	3:05.69	JAE HOWELL	USA	2007
1:48.44	MIEKO KAMOSHITA	JPN	2012	2:11.09	PERSIS RAE	AUS	2005	3:16.99	NORA RONAI	BRA	2012
1:48.55	OLGA JOHNSON	NZL	2006	2:11.54	MARIA LENK	BRA	2000	3:20.81	JEWEL COOKE	USA	1996
1:49.64	RITA SIMONTON	USA	2003	2:13.85	LOIS KIVI NOCHMAN	USA	2009	3:22.29	EDITH GLUSAC	USA	2003
1:51.22	BETTY RUSS	USA	2012	2:13.95	NOEL MORROW	CAN	2004	3:25.85	KALIS RASMUSSEN	CAN	2009
1:51.96	M. CUNNINGHAM	AUS	2010	2:14.48	BETTY RUSS	USA	2012	200 M. FLY			
1:53.38	G. MCKENZIE-HICKS	AUS	2012	200 M. BACK				4:59.50	LOIS KIVI NOCHMAN	USA	2009
1:54.16	LIZ WALLIS	AUS	2012	4:18.50	EDITH THEIN	ISR	2003	5:33.79	BETTY RUSS	USA	2012
200 M. FREE				4:31.92	KERSTIN GJORES	SWE	2012	5:42.80	JEAN DURSTON	USA	1999
3:49.35	JEAN TROY	USA	2012	4:36.48	BUNNY CEDERLUND	USA	2006	6:01.46	MAXINE MERLINO	USA	1998
3:54.18	MARGERIE MEYER	USA	2007	4:41.34	MARIA LENK	BRA	2000	6:26.75	JAE HOWELL	USA	2007
3:57.48	RITA SIMONTON	USA	2003	4:41.38	PERSIS RAE	AUS	2005	6:45.75	JUNE REYNOLDS	USA	2007
4:04.35	BETTY LORENZI	USA	2012	4:46.44	WILLY VAN RYSEL	GBR	2001	7:12.95	JEWEL COOKE	USA	1996
4:05.78	G. MCKENZIE-HICKS	AUS	2012	4:49.34	DOROTHY WILLIAMS	GBR	2008	7:15.07	KATHERINE PELTON	USA	1990
4:05.82	OLGA JOHNSON	NZL	2006	4:50.07	LOIS KIVI NOCHMAN	USA	2009	7:47.68	NORA RONAI	BRA	2010
4:10.40	HISAKO KOGA	JPN	2002	4:53.35	MARJORIE SHARPE	USA	2002	8:44.12	ANNE POTTIER	FRA	2008
4:11.96	BETTY RUSS	USA	2012	4:57.09	ANNE WALKER	USA	2001	100 M. I.M.			
4:14.66	VIRGINIA KETELEER	BEL	2011	50 M. BRST				2:08.06	JEAN TROY	USA	2012
4:16.84	MARJORIE SHARPE	USA	2003	59.00	M.KAPCAROVA	SVK	2012	2:12.85	JEWEL COOKE	USA	1995
400 M. FREE				1:00.56	SATOKO SUZUKI	JPN	2008	2:12.90	AGNES KISS	HUN	2012
7:58.41	MARGERIE MEYER	USA	2008	1:02.09	OLGA KOKORINA	RUS	2012	2:13.69	MARGERIE MEYER	USA	2008
8:03.09	JEAN TROY	USA	2012	1:02.92	KIMIE KANAI	JPN	2009	2:18.55	LOIS KIVI NOCHMAN	USA	2009
8:17.82	RITA SIMONTON	USA	2003	1:04.29	MICHELE GUILLAIS	FRA	2006	2:20.92	YOKO KOBAYASHI	JPN	2011
8:39.86	BETTY RUSS	USA	2012	1:05.22	DAVID MCEWAN	CAN	2009	2:21.11	RITA SIMONTON	USA	2003
8:44.56	MAURINE KORNFELD	USA	2008	1:06.37	SAYOKO WATANABE	JPN	2012	2:22.10	MARIA LENK	BRA	2000
8:45.92	MARJORIE SHARPE	USA	2002	1:06.67	INGEBORG FRITZE	GER	2009	2:22.30	M. CUNNINGHAM	AUS	2010
8:58.13	VIRGINIA KETELEER	BEL	2012	1:07.06	LIS KNUTZEN	DEN	2006	2:23.05	MARIANNA BERKLEY	USA	2007
8:59.25	OLGA JOHNSON	NZL	2006	1:07.58	NORA RONAI	BRA	2010	200 M. I.M.			
9:06.62	ELSA DE LEEUW	CAN	2009	100 M. BRST				4:48.96	JEAN TROY	USA	2012
9:26.72	LOIS KIVI NOCHMAN	USA	2009	2:11.98	SATOKO SUZUKI	JPN	2009	4:59.06	LOIS KIVI NOCHMAN	USA	2009
800 M. FREE				2:18.42	OLGA KOKORINA	RUS	2012	5:09.92	MARIA LENK	BRA	2000
16:25.24	BETTY LORENZI	USA	2012	2:24.69	JEAN TROY	USA	2012	5:12.01	JEAN DURSTON	USA	1999
16:49.43	RITA SIMONTON	USA	2003	2:25.10	M.KAPCAROVA	SVK	2012	5:12.13	MAXINE MERLINO	USA	1998
18:02.38	MAURINE KORNFELD	USA	2007								



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5:26.90	RITA SIMONTON	USA	2004	21:16.76	WILLY VAN RYSEL	GBR	2006	4:00.02	CHARLOTTE SANDDAL	USA	2012
5:36.16	MARIANNA BERKLEY	USA	2007	22:18.84	MAXINE MERLINO	USA	2002	200 M. BRST			
5:37.00	M. CUNNINGHAM	AUS	2010	25:03.34	MARIA LENK	BRA	2007	6:31.21	INGEBORG FRITZE	GER	2011
5:37.37	KALIS RASMUSSEN	CAN	2009	25:12.44	KATH JOHNSTONE	NZL	2007	6:37.73	MARIA LENK	BRA	2005
5:44.41	JAE HOWELL	USA	2007	26:29.38	LILLIAN WARREN	CAN	2010	7:06.04	BARBARA BOHM	GER	2010
400 M. I.M.				28:45.45	ANNA BAUSCHER	USA	1993	7:56.76	CHARLOTTE SANDDAL	USA	2012
10:13.73	JEAN TROY	USA	2012	30:02.99	JEAN BUCHANAN	CAN	2010	7:57.95	MICHIKO HAMURO	JPN	2009
10:28.05	LOIS KIVI NOCHMAN	USA	2009	1500 M. FREE				8:23.74	MARION DEVITT	CAN	2009
10:55.73	JEAN DURSTON	USA	1999	1:04.47	KATH JOHNSTONE	NZL	2011	9:03.85	JEWEL COOKE	USA	1999
11:02.02	MAXINE MERLINO	USA	1998	35:40.38	RITA SIMONTON	USA	2008	10:00.45	KATH JOHNSTONE	NZL	2007
11:51.00	KALIS RASMUSSEN	CAN	2009	41:20.62	WILLY VAN RYSEL	GBR	2006	10:23.13	MADELEINE MILLER	USA	2000
12:24.66	JAE HOWELL	USA	2007	44:27.18	MAXINE MERLINO	USA	2002	14:53.20	HILDA BUEL	USA	2004
12:30.12	JUNE REYNOLDS	USA	2007	50:36.15	LILLIAN WARREN	CAN	2010	50 M. FLY			
12:47.00	NORA RONAI	BRA	2012	50 M. BACK				1:21.95	CHARLOTTE SANDDAL	USA	2012
13:24.08	JEWEL COOKE	USA	1996	1:05.70	WILLY VAN RYSEL	GBR	2006	1:30.41	RITA SIMONTON	USA	2008
13:32.12	GERTRUD ZINT	USA	2003	1:08.16	NOEL MORROW	CAN	2009	1:34.61	DOROTHY WESTON	GBR	2003
*****				1:12.15	MAURINE KORNFELD	USA	2011	1:35.56	MAXINE MERLINO	USA	2002
WOMEN 90-94				1:12.54	RITA SIMONTON	USA	2010	1:48.46	MARIE KELLEHER	USA	2006
*****				1:13.01	TRUDY BULLIVANT	AUS	2012	1:49.08	JEWEL COOKE	USA	2000
50 M. FREE				1:13.33	HIDEKO HANADA	JPN	2009	3:46.54	GERDA VOSS	CAN	2009
55.53	HISAKO KOGA	JPN	2007	1:13.75	MARIA LENK	BRA	2005	4:00.74	HILDA BUEL	USA	2004
56.55	RITA SIMONTON	USA	2008	1:15.02	M.GOTTSCHALK	GER	1999	4:45.13	ANNA BAUSCHER	USA	1993
1:01.67	MAURINE KORNFELD	USA	2011	1:16.60	ANNE WALKER	USA	2006	100 M. FLY			
1:03.69	JOYCE O'FARRELL	AUS	2012	1:16.87	JOAN GODSALL	AUS	2008	3:21.00	DOROTHY WESTON	GBR	2003
1:04.18	NOEL MORROW	CAN	2009	100 M. BACK				4:06.32	JEWEL COOK	USA	1999
1:05.20	WILLY VAN RYSEL	GBR	2006	2:24.46	PERSIS RAE	AUS	2010	100 M. I.M.			
1:07.21	KIKUE ISHII	JPN	2011	2:26.64	WILLY VAN RYSEL	GBR	2006	2:51.20	RITA SIMONTON	USA	2008
1:08.65	JOAN GODSALL	AUS	2008	2:32.24	RITA SIMONTON	USA	2010	3:06.08	DOROTHY WESTON	GBR	2003
1:08.79	JOYCE FAUNCE	AUS	2011	2:33.82	NOEL MORROW	CAN	2009	3:06.87	MAXINE MERLINO	USA	2004
1:09.03	LIZ KNUTZEN	DEN	2010	2:34.81	MAURINE KORNFELD	USA	2011	3:08.12	MAURINE KORNFELD	USA	2011
100 M. FREE				2:36.08	HIDEKO HANADA	JPN	2009	3:13.87	JEWEL COOKE	USA	1999
2:07.65	RITA SIMONTON	USA	2008	2:40.94	TRUDY BULLIVANT	AUS	2012	3:23.98	CHARLOTTE SANDDAL	USA	2012
2:09.13	HISAKO KOGA	JPN	2008	2:43.99	MARIA LENK	BRA	2005	3:25.01	MICHELE GUILLAIS	FRA	2012
2:19.26	MAURINE KORNFELD	USA	2012	2:45.49	M.GOTTSCHALK	GER	1999	3:31.92	MARIE KELLEHER	USA	2006
2:22.81	JOYCE O'FARRELL	AUS	2012	2:47.71	ANNE WALKER	USA	2006	3:51.82	MICHIKO HAMURO	JPN	2009
2:23.66	WILLY VAN RYSEL	GBR	2006	200 M. BACK				3:52.17	MARIANNA BERKLEY	USA	2012
2:28.27	NOEL MORROW	CAN	2009	4:57.77	PERSIS RAE	AUS	2010	200 M. I.M.			
2:30.22	CHIYOKO TAKIZAWA	JPN	2012	5:02.82	WILLY VAN RYSEL	GBR	2006	5:58.46	RITA SIMONTON	USA	2008
2:35.08	MARIA LENK	BRA	2005	5:28.00	MAURINE KORNFELD	USA	2012	6:25.12	MAXINE MERLINO	USA	2003
2:35.08	JEWEL COOKE	USA	2000	5:29.42	HIDEKO HANADA	JPN	2009	6:56.70	JEWEL COOKE	USA	1999
2:35.64	LIZ KNUTZEN	DEN	2010	5:44.73	TRUDY BULLIVANT	AUS	2012	7:16.26	CHARLOTTE SANDDAL	USA	2012
200 M. FREE				5:56.27	ANNE WALKER	USA	2006	10:46.88	GERDA VOSS	CAN	2009
4:24.90	RITA SIMONTON	USA	2008	6:24.54	MARY LATHRAM	USA	2006	11:57.44	HILDA BUEL	USA	2004
4:30.42	MAURINE KORNFELD	USA	2012	6:32.92	JEWEL COOKE	USA	1999	400 M. I.M.			
4:49.36	HISAKO KOGA	JPN	2008	6:38.29	MIEKO NAGAOKA	JPN	2006	14:55.37	JEWEL COOKE	USA	1999
5:08.97	CHIYOKO TAKIZAWA	JPN	2012	6:49.86	CHARLOTTE SANDDAL	USA	2012	*****			
5:11.66	WILLY VAN RYSEL	GBR	2006	50 M. BRST				WOMEN 95-99			
5:21.30	MARIA LENK	BRA	2005	1:11.00	INGEBORG FRITZE	GER	2011	*****			
5:23.71	INGEBORG FRITZE	GER	2011	1:15.48	FUSAKO TOMINARI	JPN	2007	50 M. FREE			
5:34.59	MAXINE MERLINO	USA	2002	1:20.12	MICHELE GUILLAIS	FRA	2011	1:13.87	SHIZUE SHIMIZU	JPN	2006
5:38.34	KATH JOHNSTONE	NZL	2008	1:21.91	DOROTHY WESTON	GBR	2003	1:21.93	MIEKO NAGAOKA	JPN	2009
5:45.22	JEWEL COOKE	USA	2000	1:22.47	LIZ KNUTZEN	DEN	2010	1:24.92	YOSHIKO WATANABE	JPN	2012
400 M. FREE				1:24.48	MARIA LENK	BRA	2005	1:28.20	KIKU ONO	JPN	2012
9:01.89	RITA SIMONTON	USA	2008	1:25.24	M.GOTTSCHALK	GER	1999	1:43.00	MARY LATHRAM	USA	2010
9:21.81	MAURINE KORNFELD	USA	2012	1:30.27	PERSIS RAE	AUS	2010	1:46.83	MASAKO MATSUNO	JPN	2012
10:01.56	HISAKO KOGA	JPN	2007	1:30.57	BARBARA BOHM	GER	2010	1:58.55	BERNARDA ANGULO	ESP	2007
10:29.76	WILLY VAN RYSEL	GBR	2006	1:31.20	ANNELIESE POKER	GER	2011	2:02.50	MARGE ANDERSON	CAN	1998
10:45.34	MAXINE MERLINO	USA	2002	100 M. BRST				2:08.68	ROSA SELLARES	ESP	2006
11:10.67	MARIA LENK	BRA	2005	2:46.46	INGEBORG FRITZE	GER	2011	4:05.96	ELIZABETH DZIADUS	USA	2005
12:16.00	CHARLOTTE SANDDAL	USA	2012	3:04.86	DOROTHY WESTON	GBR	2003	100 M. FREE			
12:17.00	KATH JOHNSTONE	NZL	2008	3:05.60	MARIA LENK	BRA	2005	2:59.01	MIEKO NAGAOKA	JPN	2010
12:35.51	KIKU ONO	JPN	2007	3:16.60	BARBARA BOHM	GER	2010	3:10.36	MARIE KELLEHER	USA	2008
12:48.90	LILLIAN WARREN	CAN	2010	3:25.74	M.GOTTSCHALK	GER	1999	4:25.97	BERNARDA ANGULO	ESP	2008
800 M. FREE				3:38.97	CANDIDA GANDOLPHO	BRA	2010	4:32.42	ROSA SELLARES	ESP	2006
18:38.69	MAURINE KORNFELD	USA	2011	3:41.00	MARIANNA BERKLEY	USA	2012	4:35.98	MARGE ANDERSON	CAN	1998
18:38.98	RITA SIMONTON	USA	2008	3:48.20	MICHIKO HAMURO	JPN	2009	4:41.51	ANNE DUNIVIN	USA	2011
				3:49.40	MARION DEVITT	CAN	2009				



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

200 M. FREE		48.58 S.KUNZELMANN	GER 2005	54.47 TAKASHI TAKEMOTO	JPN 2012
6:17.47 MIEKO NAGAOKA	JPN 2009	49.58 ANDREW MANLEY	GBR 2003	54.99 IAN POWELL	GBR 2011
6:50.52 MARIE KELLEHER	USA 2008	49.60 DANIEL BELINI	BRA 2009	55.04 STEFAN HERBST	GER 2005
9:26.22 BERNARDA ANGULO	ESP 2009	49.90 AKIRA OGASAWARA	JPN 2010	55.15 TERO RATY	FIN 2004
9:32.52 ROSA SELLARES	ESP 2006	49.90 LUKAS HARNOL	CZE 2009	55.26 KEVIN DOAK	USA 2009
10:33.89 ANNE DUNIVIN	USA 2011	49.91 BJORN ZIKARSKY	USA 1995	55.42 TAKAFUMI OISHI	JPN 2005
400 M. FREE		49.95 M. PATERSON	AUS 2012	55.52 JUNICHI MIYASHITA	JPN 2010
13:05.10 MIEKO NAGAOKA	JPN 2010	49.96 SYLVAIN JOSEPH	FRA 2009	55.76 JOHN KEPPELER	USA 1995
15:28.76 MASAKO MATSUNO	JPN 2012	50.13 HERMAN LOUW	USA 2000	55.87 NATHAN OXFORD	GBR 2008
19:20.68 BERNARDA ANGULO	ESP 2007	50.20 STEFAN OOSTING	NED 2008	200 M. BACK	
19:24.06 ROSA SELLARES	ESP 2006	200 M. FREE		1:56.22 STEFAN HERBST	GER 2006
21:39.84 ANNE DUNIVIN	USA 2011	1:48.81 JOHN KEPPELER	USA 1995	1:59.68 IAN POWELL	GBR 2011
800 M. FREE		1:49.94 ANDREW MANLEY	GBR 2003	2:01.14 DEAN KENT	NZL 2005
27:58.70 MIEKO NAGAOKA	JPN 2010	1:50.19 SYLVAIN CROS	FRA 2007	2:01.78 MARTIN HARRIS	GBR 1994
1500 M. FREE		1:50.99 EDUARDO SCHIESARI	BRA 2002	2:02.23 JOHNATHAN SARGENT	GBR 2011
55:14.66 MIEKO NAGAOKA	JPN 2011	1:51.11 HERMAN LOUW	USA 2000	2:02.63 JOHN KEPPELER	USA 1995
50 M. BACK		1:51.34 STEVEN MELLOR	GBR 2000	2:02.67 JONATHAN AUDIS	GBR 2009
1:20.28 MIEKO NAGAOKA	JPN 2010	1:51.46 DAVID HOLMES	GBR 2009	2:02.75 LEONARDO SUMIDA	BRA 2011
1:27.92 EDITH HENDRY	USA 2006	1:51.65 FERNANDO SAEZ	BRA 2002	2:03.19 SYLVAIN CROS	FRA 2007
1:47.22 KIKU ONO	JPN 2012	1:51.87 AURELIEN COQ	FRA 2004	2:03.69 SHINYA HAYASHI	JPN 2006
1:50.40 MASAKO MATSUNO	JPN 2012	1:51.92 DAN WEGNER	USA 2000	50 M. BRST	
1:52.63 MARY LATHRAM	USA 2010	400 M. FREE		27.69 RUSS PATRICK	CAN 2003
1:57.45 BERNARDA ANGULO	ESP 2008	3:53.60 SYLVAIN CROS	FRA 2007	27.76 EDUARDO FISCHER	BRA 2005
2:00.16 SHIZUE SHIMIZU	JPN 2006	3:56.53 A.ANGELOTI	BRA 2001	28.11 NAOKI NAGURA	JPN 2006
2:04.24 ROSA SELLARES	ESP 2005	3:56.60 MARTIN HOHL	SUI 2009	28.14 MINDAUGAS MARGIS	AUT 2010
2:05.36 MARGE ANDERSON	CAN 1998	3:56.66 AURELIEN COQ	FRA 2004	28.18 MITSUHIRO MARU	JPN 2008
2:32.85 MARGO BATES	AUS 2009	3:57.24 STEVEN MELLOR	GBR 2000	28.25 KOTARO MORITA	JPN 2010
100 M. BACK		3:58.23 ALEX KOSTICH	USA 1997	28.26 MATTHIAS RUMPF	GER 2005
2:55.44 MIEKO NAGAOKA	JPN 2009	3:59.78 GAVIN LILLEY	GBR 1993	28.28 NICOLAS CANIVET	FRA 2004
3:25.37 EDITH HENDRY	USA 2006	4:00.64 G.ORPHANIDES	GBR 2003	28.45 KAMIL KASPROWICZ	GER 2010
4:07.69 MARY LATHRAM	USA 2010	4:00.87 D.STOCKINGER	AUT 2008	28.46 COREY WELCH	USA 2008
4:08.35 BERNARDA ANGULO	ESP 2008	4:02.17 DAN WEGNER	USA 2000	100 M. BRST	
4:12.61 SHIZUE SHIMIZU	JPN 2006	800 M. FREE		1:00.28 EDUARDO FISCHER	BRA 2005
4:36.75 ROSA SELLARES	ESP 2005	8:07.91 A.ANGELOTI	BRA 2001	1:01.48 KOTARO MORITA	JPN 2010
5:12.32 MARGO BATES	AUS 2007	8:13.81 G.ORPHANIDES	GBR 2003	1:01.49 MITSUHIRO MARU	JPN 2008
200 M. BACK		8:14.75 ALEX KOSTICH	USA 1997	1:01.62 GARY MARSHALL	USA 2009
6:24.50 MIEKO NAGAOKA	JPN 2009	8:21.79 G.SPLITTGERBER	GER 2000	1:02.01 HAJIME IKEGAMI	JPN 2010
7:36.62 EDITH HENDRY	USA 2006	8:22.21 KOHEI FUKAYA	JPN 2009	1:02.03 KAMIL KASPROWICZ	GER 2010
9:20.51 BERNARDA ANGULO	ESP 2008	8:25.06 JASON NIELSON	USA 1996	1:02.11 JESPER KRISTENSEN	DEN 2009
9:37.39 ROSA SELLARES	ESP 2005	8:26.25 SYLVAIN CROS	FRA 2009	1:02.31 MATTHIAS RUMPF	GER 2005
11:55.69 MARGO BATES	AUS 2007	8:26.37 CRAIG PICKERING	USA 2006	1:02.38 KRISTIAN OUTINEN	DEN 2008
50 M. BRST		8:28.33 ANDREA MARCATO	ITA 2002	1:02.46 WATARU MIYAKAWA	JPN 2012
2:25.20 MIEKO NAGAOKA	JPN 2010	8:28.96 M.MICHAELSEN	GER 2002	200 M. BRST	
100 M. I.M.		1500 M. FREE		2:14.44 CHRISTOPHER JONES	GBR 2007
3:54.89 MARIE KELLEHER	USA 2008	15:29.68 G.ORPHANIDES	GBR 2003	2:15.42 SIMON LEIGHFIELD	AUS 2002
*****		15:41.81 ALEX KOSTICH	USA 1997	2:18.21 FABIO SILVA	BRA 2006
WOMEN 100-104		15:56.29 MARTIN HOHL	SUI 2008	2:18.31 KOICHI MASUI	JPN 2010
*****		16:08.62 TAMMO SCHROEDER	GER 2009	2:18.40 TAKEO SASAKA	JPN 2010
50 M. BACK		16:15.61 CRAIG PICKERING	USA 2006	2:18.42 KAMIL KASPROWICZ	GER 2010
3:53.60 ROSA SELLARES	ESP 2010	16:16.13 JOHN CALNAN	CAN 2006	2:19.19 MASAHICO WATANABE	JPN 2010
*****		16:23.21 ROB J MACKLE	USA 1992	2:19.27 COREY WELCH	USA 2008
M E N 25-29		16:26.02 MASAKAZU TAKASE	JPN 2012	2:19.40 S.YOSHIKURA	JPN 2006
*****		16:26.54 TONY DAY	GBR 1991	2:19.76 OLIVER VINENZETTI	GER 2005
50 M. FREE		16:29.14 RICCARDO RUSSO	ITA 2006	50 M. FLY	
22.36 DANIEL BELINI	BRA 2009	50 M. BACK		23.66 DAISUKE ABE	JPN 2009
22.37 RENATO GUERARDI	BRA 2009	25.02 RODRIGO TRIVINO	BRA 2012	23.70 OLIVER WENZEL	GER 2009
22.40 LUKAS HARNOL	CZE 2009	25.05 STEV THELOKE	GER 2004	23.95 DANIEL BELINI	BRA 2009
22.48 ED WAGNER	USA 1996	25.15 KEVIN DOAK	USA 2007	24.10 M. PATTERSON	AUS 2011
22.48 ROBERT PEEL	USA 1993	25.22 TERO RATY	FIN 2004	24.17 GLAUBER SILVA	BRA 2011
22.51 MATTHEW TUTTY	GBR 2011	25.24 JUNICHI MIYASHITA	JPN 2010	24.24 D. BURGESS LAIRD	USA 1989
22.59 RODRIGO TRIVINO	BRA 2012	25.26 TAKANORI MORI	JPN 2009	24.29 STEFAN HERBST	GER 2004
22.62 SERGEY MUKHIN	RUS 2011	25.31 LEONARDO SUMIDA	BRA 2012	24.33 A.PADALETC	RUS 2012
22.65 YU HOSHIDA	JPN 2010	25.43 MARTIN HARRIS	GBR 1994	24.55 TAKAYUKI KINARI	JPN 2012
22.67 RICARDO WASSALL	BRA 2009	25.47 TAKASHI TAKEMOTO	JPN 2012	24.64 YUTA SHOJI	JPN 2010
100 M. FREE		25.49 OLIVER WENZEL	GER 2009	24.64 YUSUKE OKAMURA	JPN 2009
		100 M. BACK		100 M. FLY	
		54.23 LEONARDO SUMIDA	BRA 2011	52.92 DANIEL BELINI	BRA 2009



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53.72 KEI NAKASHIMA	JPN 2009	22.76 ED WAGNER	USA 2002	100 M. BACK	
53.82 JEFF DASH	USA 2008	100 M. FREE		52.68 DERYA BUYUKUNCU	USA 2009
53.93 STEFAN HERBST	GER 2004	49.04 S.KUNZELMANN	GER 2008	55.17 KEVIN DOAK	USA 2012
54.51 HIROAKI GOTO	JPN 2010	49.30 TAMAS KEREKJARTO	USA 2009	55.19 MARTIN ZUBERO	USA 2003
54.57 MAKSIM GANIKHIN	RUS 2012	49.95 FERNANDO ALAEZ	ESP 2009	55.78 MARTIN HARRIS	GBR 2000
54.59 A.PADALETC	RUS 2012	49.97 ANDREW MANLEY	GBR 2008	55.98 TAKUMA YAMAOKA	JPN 2008
54.65 YUTA HAYASAKI	JPN 2009	50.02 NICHOLAS BRUNELLI	USA 2011	56.14 TAKAFUMI OISHI	JPN 2006
54.70 M. PATTERSON	AUS 2012	50.19 D.STOCKINGER	AUT 2012	56.16 THIAGO PINTO	BRA 2008
54.73 D.STOCKINGER	AUT 2008	50.35 ANTHONY ERVIN	USA 2011	56.25 JOHN KEPPELER	USA 1999
200 M. FLY		50.51 PETER EDVARDSSON	SWE 2011	56.36 SHINYA HAYASHI	JPN 2010
1:59.74 MARK LEWIS	GBR 2008	50.51 ROWDY GAINES	JPN 1989	56.53 STEFAN HERBST	GER 2008
1:59.80 MAKSIM GANIKHIN	RUS 2012	50.53 KLAUS HUEZ	ITA 2004	200 M. BACK	
1:59.92 SATOSHI TORATANI	JPN 2008	200 M. FREE		1:55.46 DERYA BUYUKUNCU	USA 2009
2:01.72 YOHEI KATO	JPN 2007	1:46.52 STEFAN HERBST	GER 2011	1:56.68 STEFAN HERBST	GER 2008
2:01.74 LOIC LEROY	FRA 2006	1:48.40 JACOB CARSTENSEN	DEN 2008	2:00.43 MARTIN ZUBERO	USA 2001
2:01.95 IKUMI HASEGAWA	JPN 2010	1:49.00 CHRISTOPH HILMER	GER 2006	2:02.84 TAKAFUMI OISHI	JPN 2007
2:02.05 KIMITAKA MINOBE	JPN 2003	1:49.58 TAMAS KEREKJARTO	USA 2009	2:02.91 JOHN KEPPELER	USA 1999
2:02.72 LASSE FRANK	GER 2007	1:50.91 ROWDY GAINES	JPN 1989	2:03.36 TAKUMA YAMAOKA	JPN 2008
2:02.86 M.BABUCHOWSKI	POL 2011	1:51.97 ANDREW MANLEY	GBR 2007	2:03.53 SYLVAIN CROS	FRA 2010
2:03.48 YUTA HAYASAKI	JPN 2009	1:52.04 JOHN KEPPELER	USA 1999	2:03.77 JEROME FAROUZE	FRA 2007
100 M. I.M.		1:52.42 JOCHEN BRUHA	GER 2001	2:04.63 JAY YARID	USA 1993
55.13 YUTA SHOJI	JPN 2010	1:52.83 BRUCE HAYES	USA 1994	2:04.70 N.DELL'ANDEEA	ITA 2010
55.20 STEFAN HERBST	GER 2004	1:53.06 CLAYTON JONES	USA 2009	50 M. BRST	
55.78 OLIVER WENZEL	GER 2009	400 M. FREE		26.77 JORGE ALONZO	ESP 2009
55.97 IKUMI HASEGAWA	JPN 2012	3:57.47 TAMAS KEREKJARTO	USA 2009	27.11 MARCELO TOMAZINI	BRA 2009
56.13 NAOKI NAGURA	JPN 2008	3:58.40 ALEX KOSTICH	USA 2000	27.73 CARLOS ALENCAR	BRA 2009
56.36 NAOYA HIRANO	JPN 2012	3:59.83 BRUCE HAYES	USA 1994	27.81 THOMAS RUPPRATH	GER 2009
56.39 FRANK ZIO	USA 2011	4:00.26 SEBASTIAN WIESE	GER 2004	28.01 JEFF COMMINGS	USA 2008
56.42 HIDEKI SAKAI	JPN 2011	4:00.36 FABIEN CZACHOR	FRA 2009	28.20 RYOSUKE IMAI	JPN 2011
56.47 KRISTIAN OUTINEN	DEN 2008	4:02.06 RAPHAEL VIEIRA	BRA 2008	28.27 MATTHIAS RUMPF	GER 2009
56.65 JEFF COMMINGS	USA 2003	4:02.13 CLAUS IVERSEN	DEN 2011	28.31 HIDEAKI TOGO	JPN 2003
200 M. I.M.		4:02.56 SYLVAIN CROS	FRA 2010	28.48 TOMASZ DUSZYNSKI	POL 2009
1:59.70 K.GILCHRIST	FRA 2010	4:02.66 ROWDY GAINES	JPN 1989	28.52 NICHOLAS BRUNELLI	USA 2011
2:00.56 STEFAN HERBST	GER 2006	4:02.80 CRAIG PICKERING	USA 2008	100 M. BRST	
2:01.58 DEAN KENT	NZL 2005	800 M. FREE		1:00.81 ED MOSES	USA 2011
2:02.48 RYOYA TAGUCHI	JPN 2011	8:17.06 ALEX KOSTICH	USA 2000	1:00.95 RYOSUKE IMAI	JPN 2011
2:03.28 AURELIEN COQ	FRA 2004	8:19.13 SEBASTIAN WIESE	GER 2004	1:01.07 KYOSUKE YONEHARA	JPN 2010
2:04.10 IKUMI HASEGAWA	JPN 2010	8:19.44 BRUCE HAYES	USA 1994	1:01.34 MATTHIAS RUMPF	GER 2009
2:04.17 YOHEI KATO	JPN 2007	8:22.10 FABIEN CZACHOR	FRA 2009	1:01.34 JEFF COMMINGS	USA 2008
2:05.34 KAMIL KASPROWICZ	GER 2010	8:28.60 IGOR PIOVESAN	ITA 2008	1:01.35 RYUTARO MORITA	JPN 2009
2:05.64 JACOB SKYTTE	DEN 2011	8:29.51 CRAIG PICKERING	USA 2008	1:01.94 HIROYUKI KOSAKA	JPN 2010
2:05.66 ANDREW MANLEY	GBR 2004	8:32.66 ANDREA MARCATO	ITA 2006	1:02.32 TOMASZ DUSZYNSKI	POL 2009
400 M. I.M.		8:34.26 DAN STEPHENSON	USA 1989	1:02.40 CARLOS ALENCAR	BRA 2009
4:14.51 IKUMI HASEGAWA	JPN 2009	8:34.30 DAVID GENET	FRA 2012	1:02.54 KAZUYA KOIKE	JPN 2009
4:20.94 DEAN KENT	NZL 2005	8:34.46 ANTONIO D'ARAI	ITA 2005	200 M. BRST	
4:26.08 JULIEN BAILLOD	SUI 2009	1500 M. FREE		2:12.58 HIROYUKI KOSAKA	JPN 2010
4:26.79 JOHN KEPPELER	USA 1995	15:51.07 ALEX KOSTICH	USA 2000	2:12.92 KYOSUKE YONEHARA	JPN 2010
4:26.97 ALEX KOSTICH	USA 1997	16:06.84 IGOR PIOVESAN	ITA 2008	2:13.60 KAZUYA KOIKE	JPN 2009
4:28.12 GIORGIO PAOLETTI	ITA 2012	16:11.71 ANDREA MARCATO	ITA 2004	2:15.72 TOMASZ DUSZYNSKI	POL 2007
4:28.38 RAYMOND VD MERWE	NED 2012	16:12.03 FABIEN CZACHOR	FRA 2009	2:16.60 NICK GILLINGHAM	GBR 2001
4:30.05 DAVID HOLMES	GBR 2009	16:15.49 MIKE SHAFFER	USA 1995	2:17.56 ROQUE SANTOS	USA 1999
4:30.42 SYLVAIN CROS	FRA 2009	16:19.78 DAVID GENET	FRA 2012	2:17.92 TIMOTHY CARLSON	USA 2009
4:30.99 MARCEL RINZLER	USA 2000	16:20.47 JULIEN BAILLOD	SUI 2011	2:18.46 RYUTARO MORITA	JPN 2009
*****		16:21.25 BRUCE HAYES	USA 1994	2:18.70 ED MOSES	USA 2010
M E N 30-34		16:21.80 CRAIG PICKERING	USA 2008	2:19.69 SIMONE BATTISTON	ITA 2009
*****		16:26.83 JEFF UTSCH	USA 1997	50 M. FLY	
50 M. FREE		50 M. BACK		22.87 THOMAS RUPPRATH	GER 2009
21.98 NICHOLAS BRUNELLI	USA 2011	24.81 DERYA BUYUKUNCU	USA 2009	24.10 FERNANDO ALAEZ	ESP 2009
22.13 THOMAS RUPPRATH	GER 2009	24.92 KEVIN DOAK	USA 2012	24.11 LEANDRO OKUDA	BRA 2009
22.24 DAVID MAITRE	FRA 2011	25.54 MARTIN ZUBERO	USA 2001	24.20 TAKASHI NISHIYAMA	JPN 2009
22.39 ANTHONY ERVIN	USA 2011	25.59 THIAGO PINTO	BRA 2008	24.32 MARCELO TOMAZINI	BRA 2009
22.41 S.KUNZELMANN	GER 2008	25.67 HAJIME ITOI	JPN 2001	24.36 HAJIME ITOI	JPN 2003
22.61 LEANDRO OKUDA	BRA 2009	25.70 FERNANDO ALAEZ	ESP 2009	24.64 ZSOLT GASPARD	USA 2009
22.68 ANDREW MANLEY	GBR 2008	25.76 T.TAKEMURA	JPN 2009	24.64 BRIAN ALDERMAN	USA 1999
22.68 AUSTYN SHORTMAN	GBR 2003	25.78 NICHOLAS BRUNELLI	USA 2011	24.65 OSWALDO QUEVEDO	USA 2007
22.74 ALEXANDER REHDER	BRA 2009	25.95 DEREK ROBINSON	USA 2000	24.67 ALEXANDER KAHL	GER 2007
		26.03 MARTIN HARRIS	GBR 2000	100 M. FLY	



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52.63	STEFAN HERBST	GER	2011	23.12	JAN KARLSSON	SWE	2003	26.84	ALEKSANDR SHILIN	RUS	2012
54.10	TAMAS KEREKJARTO	USA	2009	23.14	ANDRE CORDEIRO	BRA	2009	26.84	CLAY BRITT	USA	1996
54.20	TAKAHIRO MORI	JPN	2011	100 M. FREE				100 M. BACK			
54.28	S.KUNZELMANN	GER	2008	49.53	JOHN MIRANDA	SWE	2000	55.95	MICHAEL ROSS	USA	2004
54.50	MARCELO TOMAZINI	BRA	2009	50.54	STEPHANE MEYER	FRA	2009	56.42	JEFF WELECHUK	CAN	2009
54.66	HIROKI NAKAZONO	JPN	2009	50.72	MICHAEL PICOTTE	USA	2009	56.93	RON KARNAUGH	USA	2002
54.82	HIROSHI MIURA	JPN	1996	50.82	EIJI NOMURA	JPN	2010	57.14	DEREK GUFFEY	USA	2009
54.85	BRIAN ALDERMAN	USA	1999	50.85	GLENN COUNTS	USA	2012	57.19	JEFF COMMINGS	USA	2009
55.06	NAOYUKI KOBAYASHI	JPN	2009	51.01	RON KARNAUGH	USA	2003	57.60	KENTARO NAKAMURA	JPN	2010
55.11	TIMOTHY CARLSON	USA	2009	51.11	ISAMU TSUZUKI	JPN	2010	57.69	CHRIS JONES	GBR	2006
200 M. FLY				51.31	MICHAEL ROSS	USA	2004	57.92	TAKAYUKI MIYASAKA	JPN	2012
1:59.51	MARCELO TOMAZINI	BRA	2009	51.38	GO KUWATA	JPN	2010	58.20	JIM HARVEY	USA	2001
2:00.21	HIROSHI MIURA	JPN	2000	51.43	JOCHEN BRUHA	GER	2004	58.25	CLAY BRITT	USA	1996
2:00.50	TAMAS KEREKJARTO	USA	2009	200 M. FREE				200 M. BACK			
2:02.22	LOIC LEROY	FRA	2012	1:51.31	ERIK HOCHSTEIN	USA	2003	2:00.34	RON KARNAUGH	USA	2002
2:04.03	JOCHEN HANZ	GER	2009	1:51.47	JOCHEN BRUHA	GER	2004	2:03.20	DEREK GUFFEY	USA	2009
2:04.59	MIKE SHAFFER	USA	1995	1:51.54	MICHAEL ROSS	USA	2004	2:04.21	CHRIS JONES	GBR	2006
2:05.00	C.SORRENTINO	ITA	2008	1:52.90	RON KARNAUGH	USA	2002	2:04.96	JEFF WELECHUK	CAN	2009
2:05.07	FERNANDO ALAEZ	ESP	2008	1:53.37	TYLER BLESSING	USA	2009	2:05.01	TAKAYUKI MIYASAKA	JPN	2012
2:05.45	ASUKA KOIZUMI	JPN	2010	1:53.54	M.EROLI	ITA	2012	2:06.26	ROMAIN MARTY	FRA	2009
2:05.68	ERIK HOCHSTEIN	USA	2002	1:53.66	EDWIN VAN NORDEN	NED	1998	2:06.95	YOSHIHITO NAKAHAR	JPN	2005
100 M. I.M.				1:54.14	ISAMU TSUZUKI	JPN	2012	2:07.12	JEROME FRENTSOS	USA	2000
55.00	STEFAN HERBST	GER	2008	1:54.26	R.LOCOCICIOLO	ITA	2010	2:07.48	KEISUKE KUGA	JPN	2012
55.77	NICHOLAS BRUNELLI	USA	2011	1:54.51	MIKE SHAFFER	USA	2000	2:07.51	KENTARO NAKAMURA	JPN	2010
56.34	FERNANDO ALAEZ	ESP	2009	400 M. FREE				50 M. BRST			
56.36	ATTILA CZENE	SWE	2004	3:57.77	ERIK HOCHSTEIN	USA	2003	27.79	JEFF COMMINGS	USA	2009
56.43	HIROYUKI KOSAKA	JPN	2010	3:58.50	F.SILVESTRI	ITA	2002	28.30	STEVE WEST	USA	2009
56.46	TAMAS KEREKJARTO	USA	2009	4:01.78	RON KARNAUGH	USA	2003	28.63	PER SVANBERG	SWE	2009
56.66	MARTIN ZUBERO	USA	2003	4:02.35	SEBASTIAN WIESE	GER	2007	28.75	RON KARNAUGH	USA	2002
56.83	DERYA BUYUKUNCU	USA	2008	4:02.52	MIKE SHAFFER	USA	2000	28.77	WALLY DICKS	USA	1998
56.87	JEFF COMMINGS	USA	2008	4:03.90	NICOLAS GRANGER	FRA	2002	28.87	GERALD MORKEN	GER	1997
57.02	JACOB CARSTENSEN	DEN	2009	4:05.07	GARRY MEIKLEJOHN	JPN	2009	28.94	ALAN PESSOTTI	BRA	2008
200 M. I.M.				4:05.29	ALEX KOSTICH	USA	2009	28.95	RON DEKKER	NED	2003
1:57.68	TAMAS KEREKJARTO	USA	2009	4:05.84	ANDREA MARCATO	ITA	2009	28.98	ANDREA AGOSTINONE	ITA	2008
1:58.13	STEFAN HERBST	GER	2008	4:06.45	HIROSHI MURAKAMI	JPN	2012	28.99	KENJI KOJIMA	JPN	2012
2:02.20	HIROYUKI KOSAKA	JPN	2010	800 M. FREE				100 M. BRST			
2:03.54	DIOGO YABE	BRA	2011	8:16.19	ALEX KOSTICH	USA	2009	1:01.47	JEFF COMMINGS	USA	2009
2:03.74	TIMOTHY CARLSON	USA	2009	8:23.06	ERIK HOCHSTEIN	USA	2003	1:01.63	STEVE WEST	USA	2009
2:04.01	ATTILA CZENE	SWE	2004	8:26.43	MIKE SHAFFER	USA	2000	1:02.57	RON KARNAUGH	USA	2002
2:04.16	JOCHEN HANZ	GER	2008	8:27.96	IGOR PIOVESAN	ITA	2009	1:02.62	NICK GILLINGHAM	GBR	2004
2:05.45	MARCELO TOMAZINI	BRA	2009	8:28.37	RICHARD STANNARD	GBR	2009	1:02.79	WALLY DICKS	USA	2000
2:05.59	HIROSHI MIURA	JPN	2000	8:29.31	BOBBY PATTEN	USA	1999	1:03.00	A.VYSOTSKIY	RUS	2012
2:05.74	JACOB CARSTENSEN	DEN	2008	8:30.84	OLIVIER VAHE	FRA	2009	1:03.28	RYUTARO MORITA	JPN	2010
400 M. I.M.				8:31.55	GARRY MEIKLEJOHN	JPN	2009	1:03.77	PER SVANBERG	SWE	2009
4:19.69	TAMAS KEREKJARTO	USA	2009	8:32.29	JUAN C VALLEJO	ESP	2000	1:03.85	KENJI KOJIMA	JPN	2012
4:22.35	ASUKA KOIZUMI	JPN	2009	8:33.28	SEBASTIAN WIESE	GER	2007	1:04.02	HIROYUKI KOSAKA	JPN	2011
4:26.74	ROQUE SANTOS	USA	1999	1500 M. FREE				1:04.02	GERALD MORKEN	GER	1997
4:27.02	JOCHEN HANZ	GER	2008	15:56.57	ALEX KOSTICH	USA	2009	200 M. BRST			
4:29.07	ALEX KOSTICH	USA	2000	15:58.20	BOBBY PATTEN	USA	1999	2:15.64	STEVE WEST	USA	2011
4:32.23	JEROME FRENTSOS	USA	1999	16:03.47	MIKE SHAFFER	USA	2000	2:16.49	NICK GILLINGHAM	GBR	2004
4:33.78	JULIEN BAILLOD	SUI	2011	16:05.94	RICHARD STANNARD	GBR	2009	2:17.96	RON KARNAUGH	USA	2002
4:34.73	C.SORRENTINO	ITA	2007	16:07.85	FRED CLATWORTHY	GBR	2009	2:18.62	HIROYUKI KOSAKA	JPN	2011
4:35.97	BRUCE HAYES	USA	1994	16:11.68	IGOR PIOVESAN	ITA	2009	2:18.68	V.KIRJANOV	LAT	2009
4:37.10	TOM RUSHTON	CAN	2010	16:12.88	ERIK HOCHSTEIN	USA	2003	2:20.26	WALLY DICKS	USA	2000
*****				16:17.38	DANIEL SERRA	ESP	2007	2:20.49	HAJIME MORIMOTO	JPN	2003
M E N 35-39				16:20.54	NICOLAS GRANGER	FRA	2006	2:20.91	RYUTARO MORITA	JPN	2010
*****				16:24.14	OLIVIER VAHE	FRA	2008	2:20.99	ALBERTO MONTINI	ITA	2005
50 M. FREE				50 M. BACK				2:21.36	SIMONE BATTISTON	ITA	2010
21.53	MARK FOSTER	GBR	2007	25.72	EDILSON SILVA	USA	2009	50 M. FLY			
22.47	JOHN MIRANDA	SWE	2000	25.86	MICHAEL ROSS	USA	2004	22.97	LIONEL BRAHIM	FRA	2010
22.73	FELIPE DELGADO	USA	2009	26.10	C.SORRENTINO	ITA	2010	23.64	ADAM PINE	AUS	2011
22.86	JEROME LE COQ	FRA	2010	26.36	LEONARDO GOMES	BRA	2010	23.72	LARS FROLANDER	SWE	2011
22.96	STEPHANE MEYER	FRA	2009	26.58	KENTARO NAKAMURA	JPN	2010	24.03	EIJI NOMURA	JPN	2010
22.97	GLENN COUNTS	USA	2012	26.67	MARCIN KACZMAREK	POL	2012	24.48	JAN KARLSSON	SWE	2003
23.02	BRIAN JACOBSON	USA	2008	26.68	HIDEAKI OGAWA	JPN	2012	24.87	GLENN COUNTS	USA	2012
23.04	M.GIALDI	ITA	2004	26.69	ANDRE CORDEIRO	BRA	2009	24.89	MAKIO ENDO	JPN	2010
				26.72	JEFF WELECHUK	CAN	2009	25.14	IGOR MARCHENKO	USA	2011



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25.17 MASATERU IKEDA	JPN	2010	23.50 VLADIMIR PREDKIN	RUS	2012	26.80 SHUJI AZUMA	JPN	2009
25.23 STEPHANE MEYER	FRA	2009	23.68 R.ALVES SANTOS	BRA	2003	27.05 JEFF WELECHUK	CAN	2011
25.23 BRIAN ALDERMAN	USA	2005	23.73 STEFAN OPATRIL	AUT	2008	27.09 JIRKA LETZIN	GER	2012
100 M. FLY			23.75 JOAKIM SJOHOLM	SWE	2003	27.10 MARTIN ZUBERO	USA	2012
52.24 ADAM PINE	AUS	2011	23.76 HARALD MAISCH	GER	2011	27.15 HARALD MAISCH	GER	2011
54.27 IGOR MARCHENKO	USA	2011	23.83 METELLO SAVINO	ITA	2006	27.21 HIROYOSHI MAETOGE	JPN	2009
54.56 EIJI NOMURA	JPN	2010	23.87 CYRO DELGADO	BRA	2005	100 M. BACK		
54.70 M.EROLI	ITA	2012	100 M. FREE			54.85 MICHAEL ROSS	USA	2008
55.16 GLENN COUNTS	USA	2012	50.43 MICHAEL ROSS	USA	2008	55.90 CHRIS STEVENSON	USA	2008
55.22 MASATERU IKEDA	JPN	2010	50.45 ERIK HOCHSTEIN	USA	2009	57.66 ERIC ERICSON	USA	2002
55.24 STEPHANE MEYER	FRA	2009	51.57 MIKE VAROZZA	USA	2009	57.73 GIUSEPPE TIANO	ITA	2009
55.68 ISAMU TSUZUKI	JPN	2012	51.76 EIJI NOMURA	JPN	2012	57.80 JEFF WELECHUK	CAN	2011
55.85 JIM HARVEY	USA	2001	51.96 M.GIALDI	ITA	2010	58.23 EDILSON JUNIOR	BRA	2012
56.08 TYLER BLESSING	USA	2009	52.07 KAI DITZEL	GER	2004	58.28 J CLAY BRITT	USA	2003
200 M. FLY			52.07 CYRO DELGADO	BRA	2002	58.65 MARTIN ZUBERO	USA	2012
2:03.05 M.EROLI	ITA	2012	52.35 HENRIK JOHANSSON	SWE	2008	58.85 HIROYOSHI MAETOGE	JPN	2009
2:03.31 EIJI NOMURA	JPN	2009	52.39 JOAKIM SJOHOLM	SWE	2004	58.98 YOSHINORI IWASAKI	JPN	2012
2:03.76 FERNANDO ALAEZ	ESP	2011	52.42 KAZUAKI OGASAWARA	JPN	2012	200 M. BACK		
2:04.06 ISAMU TSUZUKI	JPN	2012	200 M. FREE			2:03.84 MICHAEL ROSS	USA	2008
2:04.50 BOBBY PATTEN	USA	1999	1:50.08 MICHAEL ROSS	USA	2008	2:04.96 CHRIS STEVENSON	USA	2008
2:05.84 MIKE SHAFFER	USA	2000	1:51.95 ERIK HOCHSTEIN	USA	2009	2:06.66 MARK VOGEL	DEN	2010
2:06.23 ERIK HOCHSTEIN	USA	2003	1:53.03 KAI DITZEL	GER	2004	2:07.16 NICOLAS GRANGER	FRA	2010
2:06.48 WILLIAM SPECHT	USA	1994	1:54.62 ALBERTO MONTINI	ITA	2010	2:07.78 JEFF WELECHUK	CAN	2011
2:06.65 UWE VOLK	GER	2009	1:55.11 F.SILVESTRI	ITA	2003	2:08.22 Y.NAKAHARA	JPN	2010
2:06.87 TAIHEI SAKA	JPN	2003	1:55.42 PATRICK BRUNDAGE	USA	2009	2:08.26 ERIC ERICSON	USA	2002
100 M. I.M.			1:55.88 DANIEL SERRA	ESP	2010	2:09.24 MARTIN ZUBERO	USA	2012
56.36 GLENN COUNTS	USA	2012	1:56.06 CYRO DELGADO	BRA	2005	2:09.30 DEKE BOTSFORD	CAN	2010
56.37 C.SORRENTINO	ITA	2010	1:56.44 PAUL SMITH	USA	2001	2:09.61 WILLIAM SPECHT	USA	1998
56.94 RON KARNAUGH	USA	2003	1:56.49 MIKE SHAFFER	USA	2008	50 M. BRST		
56.98 JEFF COMMINGS	USA	2009	400 M. FREE			28.55 STEVE WEST	USA	2012
57.69 ISAMU TSUZUKI	JPN	2011	4:00.67 KAI DITZEL	GER	2004	28.76 ALBERTO MONTINI	ITA	2010
58.03 BRIAN JACOBSON	USA	2008	4:00.80 ALBERTO MONTINI	ITA	2009	28.85 WOLFGANG RABER	AUT	2010
58.06 M.EROLI	ITA	2012	4:01.32 ERIK HOCHSTEIN	USA	2009	28.89 YOZO FUJII	JPN	2009
58.18 DEREK GUFFEY	USA	2009	4:04.69 NICOLAS GRANGER	FRA	2010	28.90 VLADIMIR BRAGIN	RUS	2011
58.23 GO KUWATA	JPN	2010	4:05.30 F.SILVESTRI	ITA	2003	29.00 VLADISLAV BRAGIN	RUS	2012
58.36 MICHAEL ROSS	USA	2006	4:05.34 FABIO CALMASINI	ITA	2012	29.02 ANDREA AGOSTINONE	ITA	2010
58.36 JIM HARVEY	USA	2001	4:06.30 PATRICK BRUNDAGE	USA	2009	29.08 HAROLD MATLA	NED	2009
200 M. I.M.			4:07.00 ALEJANDRO MORENO	MEX	2009	29.17 RICO ROLLI	ITA	2009
2:03.29 RON KARNAUGH	USA	2002	4:07.46 MARK THOMPSON	AUS	2011	29.22 ROQUE SANTOS	USA	2009
2:04.89 DEREK GUFFEY	USA	2009	4:07.63 MIKE SHAFFER	USA	2008	100 M. BRST		
2:05.56 M.EROLI	ITA	2012	800 M. FREE			1:01.97 STEVE WEST	USA	2012
2:06.39 HIROYUKI KOSAKA	JPN	2011	8:21.78 ALEX KOSTICH	USA	2011	1:02.42 ALBERTO MONTINI	ITA	2009
2:07.06 JEFF COMMINGS	USA	2009	8:25.08 ERIK HOCHSTEIN	USA	2009	1:02.95 WOLFGANG RABER	AUT	2010
2:07.21 JIM HARVEY	USA	2001	8:28.16 ALEJANDRO MORENO	MEX	2009	1:03.08 VLADIMIR BRAGIN	RUS	2011
2:07.31 UWE VOLK	GER	2009	8:28.23 DANIEL SERRA	ESP	2009	1:03.33 ROQUE SANTOS	USA	2009
2:07.31 NICOLAS GRANGER	FRA	2004	8:31.69 KAI DITZEL	GER	2005	1:03.36 YOZO FUJII	JPN	2010
2:07.60 PETER BERMEI	GER	2002	8:31.86 MIKE SHAFFER	USA	2008	1:04.49 FABIO MARUSSIG	ITA	2010
2:07.82 ISAMU TSUZUKI	JPN	2011	8:33.16 F.SILVESTRI	ITA	2003	1:04.50 MAKOTO ONODERA	JPN	2010
400 M. I.M.			8:33.19 MICHAEL KLEIBER	GER	2003	1:04.53 RICO ROLLI	ITA	2009
4:24.36 RON KARNAUGH	USA	2003	8:33.40 FABIO CALMASINI	ITA	2012	1:04.57 VLADISLAV BRAGIN	RUS	2012
4:30.81 DEREK GUFFEY	USA	2009	8:34.79 MARK THOMPSON	AUS	2011	200 M. BRST		
4:32.97 UWE VOLK	GER	2009	1500 M. FREE			2:15.55 STEVE WEST	USA	2012
4:34.06 JEROME FRENTSOS	USA	2000	16:07.46 DANIEL SERRA	ESP	2009	2:15.95 ALBERTO MONTINI	ITA	2009
4:37.47 MARCEL RINZLER	USA	2006	16:09.32 MIKE SHAFFER	USA	2009	2:16.03 ROQUE SANTOS	USA	2009
4:37.73 ROMAIN MARTY	FRA	2009	16:22.21 DINO SCHORN	ITA	2009	2:20.19 HAJIME MORIMOTO	JPN	2010
4:37.89 KEISUKE KUGA	JPN	2012	16:23.95 F.SILVESTRI	ITA	2003	2:21.12 VLADIMIR BRAGIN	RUS	2011
4:38.40 IGOR PIOVESAN	ITA	2010	16:33.41 MARK THOMPSON	AUS	2011	2:22.89 ANDRE WRASSE	GER	2012
4:39.42 EDWIN VAN NORDEN	NED	1999	16:34.84 ALEX KOSTICH	USA	2010	2:24.17 YAMATO TAKAHASHI	JPN	2010
4:39.71 ISAMU TSUZUKI	JPN	2011	16:36.21 ERIK HOCHSTEIN	USA	2009	2:24.52 VLADISLAV BRAGIN	RUS	2012
*****			16:37.00 KAI DITZEL	GER	2005	2:24.57 UWE VOLK	GER	2010
M E N 40-44			16:37.00 MICHAEL KLEIBER	GER	2003	2:24.58 MAKOTO ONODERA	JPN	2010
*****			16:42.00 GEORGE TIDMARSH	USA	2003	50 M. FLY		
50 M. FREE			50 M. BACK			24.88 EIJI NOMURA	JPN	2012
23.06 M.GIALDI	ITA	2010	25.53 MICHAEL ROSS	USA	2009	24.91 MICHAEL ROSS	USA	2008
23.25 ERIK HOCHSTEIN	USA	2008	25.94 EDILSON JUNIOR	BRA	2012	24.99 MASATERU IKEDA	JPN	2012
23.45 MICHAEL ROSS	USA	2009	26.56 CHRIS STEVENSON	USA	2008	25.13 HARTMUT BERNER	GER	2005
			26.59 GIUSEPPE TIANO	ITA	2009	25.29 JAN KARLSSON	SWE	2009



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25.41 MIKE VAROZZA	USA	2009	23.88 METELLO SAVINO	ITA	2009	27.20 ANDERS RASMUSSEN	USA	2008
25.43 ROBERTO TARRICONE	ITA	2004	24.00 JOAKIM SJOHOLM	SWE	2008	27.24 J CLAY BRITT	USA	2006
25.73 MAKIO ENDO	JPN	2012	24.01 NICOLAS GRANGER	FRA	2012	27.35 FRITZ BEDFORD	USA	2009
25.76 KAZUHIKO YAMAKAWA	JPN	2009	24.02 BRENT BARNES	JPN	2006	27.45 CRAIG NORREY	GBR	2009
25.80 DAVID WARREN	GBR	2011	24.09 DAVID SIMS	USA	2011	27.59 NICOLAS GRANGER	FRA	2012
100 M. FLY			24.09 V.GALAVTINE	RUS	1998	27.84 SHUJI AZUMA	JPN	2012
55.57 EIJI NOMURA	JPN	2012	24.12 MARK REYNOLDS	GBR	2009	27.97 MARCO COLOMBO	ITA	2009
55.82 MICHAEL ROSS	USA	2008	24.18 FRANK STUWE	GER	2012	27.99 STEVE WOOD	USA	2005
56.18 WILLIAM SPECHT	USA	1998	24.18 ANDERS RASMUSSEN	USA	2008	100 M. BACK		
56.31 MASATERU IKEDA	JPN	2012	100 M. FREE			57.00 CHRIS STEVENSON	USA	2009
56.50 JIM HARVEY	USA	2007	51.30 NICOLAS GRANGER	FRA	2012	58.20 HIROYOSHI MAETOGE	JPN	2010
56.62 MIKE VAROZZA	USA	2009	52.54 PAUL SMITH	USA	2007	58.48 J CLAY BRITT	USA	2006
56.62 HARTMUT WARNER	GER	2005	52.90 MARK REYNOLDS	GBR	2009	58.75 FELIPE BARRETO	MEX	2009
56.64 ALBERTO MONTINI	ITA	2009	52.92 KAI DITZEL	GER	2008	58.89 ANDERS RASMUSSEN	USA	2008
56.73 ERIK HOCHSTEIN	USA	2009	52.93 DAVID SIMS	USA	2011	59.17 EDWIN VAN NORDEN	NED	2009
56.82 TAIHEI SAKA	JPN	2004	53.04 MARCO COLOMBO	ITA	2005	59.86 FRITZ BEDFORD	USA	2011
200 M. FLY			53.21 FRITZ BEDFORD	USA	2009	59.91 JAY YARID	USA	2008
2:02.97 WILLIAM SPECHT	USA	1998	53.56 MIKE VAROZZA	USA	2012	1:00.09 FRITZ LEHMAN	USA	2003
2:04.42 EIJI NOMURA	JPN	2012	53.61 BRENT BARNES	JPN	2005	1:00.16 STEVE WOOD	USA	2008
2:05.72 TOSHIYUKI IBE	JPN	2010	53.72 PIERRE BLANC	FRA	2011	200 M. BACK		
2:06.06 UWE VOLK	GER	2010	200 M. FREE			2:05.54 CHRIS STEVENSON	USA	2009
2:06.48 DENNIS BAKER	USA	2005	1:52.87 NICOLAS GRANGER	FRA	2012	2:06.66 NICOLAS GRANGER	FRA	2012
2:07.03 MIKE SHAFFER	USA	2008	1:54.73 KAI DITZEL	GER	2008	2:10.43 JAY YARID	USA	2008
2:08.46 JAMES BELARDI	USA	1997	1:56.00 PAUL SMITH	USA	2007	2:11.22 TAIHEI SAKA	JPN	2009
2:09.08 ALBERTO MONTINI	ITA	2008	1:56.26 MARCUS MATTIOLI	BRA	2009	2:12.10 WIESLAW MUSIAL	CAN	2003
2:09.09 HESS YNTEMA	USA	1995	1:56.62 KEITH SWITZER	USA	2009	2:12.47 ROSS DAVIS	USA	2011
2:09.52 DAVID WARREN	GBR	2011	1:56.93 MARCO COLOMBO	ITA	2008	2:12.87 EDWIN VAN NORDEN	NED	2008
100 M. I.M.			1:57.64 MARK REYNOLDS	GBR	2009	2:13.09 LEN GUSHE	CAN	2008
57.39 ALBERTO MONTINI	ITA	2010	1:58.49 ROSS DAVIS	USA	2012	2:13.36 FRITZ LEHMAN	USA	2003
57.71 MICHAEL ROSS	USA	2008	1:59.03 STEVE INGO	CAN	2012	2:13.42 DJAN MADRUGA	BRA	2005
58.94 ROQUE SANTOS	USA	2008	1:59.04 FRANCESC COLL	ESP	2009	50 M. BRST		
58.98 ERIK HOCHSTEIN	USA	2008	400 M. FREE			28.87 RICO ROLLI	ITA	2010
59.25 KAZUHIKO YAMAKAWA	JPN	2010	4:05.90 KAI DITZEL	GER	2008	29.85 CHRIS WEISSMAN	USA	2009
59.25 SHUJI AZUMA	JPN	2009	4:08.93 MARCUS MATTIOLI	BRA	2005	30.06 WALLY DICKS	USA	2009
59.37 EIJI NOMURA	JPN	2012	4:09.19 KEITH SWITZER	USA	2009	30.11 MAKOTO ONODERA	JPN	2012
59.57 ROBERTO TARRICONE	ITA	2003	4:11.02 MARCO COLOMBO	ITA	2007	30.13 GLEN CHRISTIANSEN	SWE	2002
59.66 PETER BERMEL	GER	2007	4:13.42 LUDEK BURIAN	CZE	2009	30.21 DAVID GUTHRIE	USA	2008
59.78 JIM HARVEY	USA	2007	4:14.73 JIM MCCONICA	USA	1999	30.25 GLENN MILLS	USA	2008
200 M. I.M.			4:14.96 MIKE SHAFFER	USA	2011	30.26 FABIO SERVADIO	ITA	2009
2:05.46 ROQUE SANTOS	USA	2009	4:15.06 MICHAEL SCHMIDT	USA	2008	30.38 KAZUhide MINAKAWA	JPN	2010
2:06.97 NICOLAS GRANGER	FRA	2010	4:15.62 B.BORDONALI	ITA	2007	30.43 NEWTON KAMINSKI	BRA	2010
2:07.71 ERIK HOCHSTEIN	USA	2008	4:16.19 CHRIS STEVENSON	USA	2012	100 M. BRST		
2:07.88 UWE VOLK	GER	2010	800 M. FREE			1:04.62 RICO ROLLI	ITA	2011
2:07.96 PETER BERMEL	GER	2007	8:39.84 MICHAEL PRUFERT	GER	2009	1:04.69 CHRIS WEISSMAN	USA	2009
2:08.13 ALBERTO MONTINI	ITA	2009	8:42.76 KAI DITZEL	GER	2008	1:05.37 MAKOTO ONODERA	JPN	2012
2:09.46 LORENZO BENUCCI	USA	2008	8:42.85 KEITH SWITZER	USA	2010	1:05.48 DAVID GUTHRIE	USA	2009
2:09.77 DAVID WARREN	GBR	2011	8:43.45 RICARDO VALDIVIA	USA	2009	1:05.74 GLENN MILLS	USA	2008
2:11.26 Y.NAKAHARA	JPN	2010	8:46.79 MICHAEL KLEIBER	GER	2008	1:06.32 NEWTON KAMINSKI	BRA	2010
2:11.64 JEFF WELECHUK	CAN	2011	8:49.03 MICHAEL SCHMIDT	USA	2008	1:06.48 GLEN CHRISTIANSEN	SWE	2004
400 M. I.M.			8:50.30 MARCO COLOMBO	ITA	2008	1:06.88 FABIO SERVADIO	ITA	2009
4:31.92 UWE VOLK	GER	2011	8:52.40 GERRY RODRIGUES	USA	2007	1:07.22 THOMAS LIGL	GER	2009
4:32.05 ROQUE SANTOS	USA	2008	8:52.62 B.BORDONALI	ITA	2008	1:07.26 TADASHI FUJIMOTO	JPN	2010
4:33.90 ALBERTO MONTINI	ITA	2009	8:52.84 DAVID SIMS	USA	2009	200 M. BRST		
4:35.15 ERIK HOCHSTEIN	USA	2008	1500 M. FREE			2:22.68 GLENN MILLS	USA	2008
4:35.57 NICOLAS GRANGER	FRA	2007	16:28.63 MICHAEL KLEIBER	GER	2008	2:23.74 DAVID GUTHRIE	USA	2009
4:37.02 DARIUSZ WOLNY	POL	2000	16:37.25 KEITH SWITZER	USA	2011	2:25.62 RICO ROLLI	ITA	2011
4:39.78 PATRICK BRUNDAGE	USA	2008	16:43.02 MARCUS MATTIOLI	BRA	2006	2:25.80 SHUJI AZUMA	JPN	2012
4:43.28 HESS YNTEMA	USA	1995	16:51.21 JIM MCCONICA	USA	1999	2:26.24 MAKOTO ONODERA	JPN	2012
4:43.73 FABIO CALMASINI	ITA	2012	16:52.13 B.BORDONALI	ITA	2007	2:27.76 NEWTON KAMINSKI	BRA	2010
4:44.06 LORENZO BENUCCI	USA	2007	16:52.24 MIKE SHAFFER	USA	2010	2:28.37 THOMAS LIGL	GER	2009
*****			16:54.69 GERRY RODRIGUES	USA	2008	2:28.74 J.MELLADO	FRA	2009
M E N 45-49			16:56.31 MARK DRENNEN	USA	2004	2:29.71 EDWIN VAN NORDEN	NED	2009
*****			16:58.05 ROBERT BARKER	GBR	2008	2:29.89 CHRIS WEISSMAN	USA	2007
50 M. FREE			17:00.23 JIMMY FURRER	SUI	2004	50 M. FLY		
23.65 MATTHEW BIONDI	USA	2012	50 M. BACK			25.74 FRITZ BEDFORD	USA	2009
23.80 FRITZ BEDFORD	USA	2009	27.02 CHRIS STEVENSON	USA	2009	25.78 CHRIS STEVENSON	USA	2009
			27.08 HIROYOSHI MAETOGE	JPN	2010	25.80 MATTHEW BIONDI	USA	2012



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25.82 PAUL SMITH	USA	2007	23.38 AMBROSE GAINES	USA	2009	27.71 STEVE WOOD	USA	2011
25.84 PAUL CARTER	USA	2003	23.96 BRENT BARNES	JPN	2010	28.37 JAMIE FOWLER	USA	2009
25.96 STEVE HILTABIDDLE	USA	2011	24.26 PAUL TREVISAN	USA	2003	28.40 MARCO COLOMBO	ITA	2010
25.99 ANDERS RASMUSSEN	USA	2008	24.74 DMITRI KHODKO	SWE	2009	28.67 HIROSHI SHIBUYA	JPN	2010
26.08 METELLO SAVINO	ITA	2009	24.74 V.GALAVTINE	FRA	2003	28.69 GIANNI BERTOLI	ITA	2010
26.11 MIKE VAROZZA	USA	2012	24.77 PAUL SMITH	USA	2009	28.75 CLAY BRITT	USA	2011
26.40 CRAIG NORREY	GBR	2009	24.80 DAN THOMPSON	CAN	2009	28.85 MARIO LLORET	ESP	2009
100 M. FLY			24.86 PHILIPPE MORELLE	BEL	2006	28.96 V.GALAVTINE	FRA	2004
56.78 DEKE BOTSFORD	CAN	2012	24.87 RICHARD KAMMERER	USA	2009	29.00 DARIO BERTAZZOLI	ITA	2011
57.17 PAUL CARTER	USA	2003	24.93 NED STACK	USA	2012	100 M. BACK		
57.37 CHRIS STEVENSON	USA	2010	100 M. FREE			59.92 STEVE WOOD	USA	2011
58.02 PAUL SMITH	USA	2007	51.61 AMBROSE GAINES	USA	2009	1:00.38 JAMIE FOWLER	USA	2009
58.03 ANDERS RASMUSSEN	USA	2009	53.87 BOB BUGG	USA	2009	1:01.48 TOM WOLF	USA	2004
58.10 WILLIAM SPECHT	USA	2004	54.29 BRENT BARNES	JPN	2009	1:01.86 WIESLAW MUSIAL	CAN	2009
58.29 MARCEL EKKELBOOM	GER	2009	54.40 RICHARD KAMMERER	USA	2009	1:01.89 MARIO LLORET	ESP	2009
58.30 HIROSHI MIURA	JPN	2012	54.61 PAUL TREVISAN	USA	2003	1:01.90 CRAIG NORREY	SUI	2011
58.35 DENNIS BAKER	USA	2006	54.73 DMITRI KHODKO	SWE	2009	1:01.92 GIANNI BERTOLI	ITA	2009
58.36 ANDREA TOJA	ITA	2012	55.34 EDGARS OZOLINSH	LAT	2012	1:01.99 CLAY BRITT	USA	2011
200 M. FLY			55.35 JACK GROSELLE	USA	2007	1:02.39 V.GALAVTINE	FRA	2004
2:06.40 DENNIS BAKER	USA	2006	55.37 LEE MENCH	USA	2003	1:02.40 HIROSHI SHIBUYA	JPN	2010
2:09.06 WILLIAM SPECHT	USA	2003	55.51 LARRY KRAUSER	USA	2003	200 M. BACK		
2:09.58 MARCUS MATTIOLI	BRA	2006	200 M. FREE			2:11.84 JAMIE FOWLER	USA	2009
2:09.65 CHRIS STEVENSON	USA	2009	1:54.61 AMBROSE GAINES	USA	2011	2:13.05 WIESLAW MUSIAL	CAN	2009
2:10.12 MIKE SHAFFER	USA	2012	1:56.75 BOB BUGG	USA	2009	2:14.03 TOM WOLF	USA	2004
2:10.72 DEKE BOTSFORD	CAN	2012	1:58.37 JIM MCCONICA	USA	2000	2:15.10 SCOTT SHAKE	USA	2008
2:10.95 TAIHEI SAKA	JPN	2011	2:00.31 PAUL SMITH	USA	2009	2:16.60 GIANNI BERTOLI	ITA	2009
2:11.66 KAI DITZEL	GER	2008	2:01.56 EDGARS OZOLINSH	LAT	2012	2:19.30 STANLEY VELA	GBR	2012
2:13.29 MICHAEL SCHMIDT	USA	2008	2:03.08 MARCUS MATTIOLI	BRA	2012	2:19.32 DAVE TOWN	CAN	2012
2:13.53 M.CACCIAMANI	ITA	2011	2:03.10 LARRY KRAUSER	USA	2003	2:20.01 PHILIPP DJANG	USA	2005
100 M. I.M.			2:03.25 FRANCESC COLL	ESP	2012	2:20.42 R TOD SPIEKER	USA	1999
57.68 NICOLAS GRANGER	FRA	2012	2:03.34 RICHARD KAMMERER	USA	2009	2:20.86 JIM MC CONICA	USA	2002
1:00.13 EDWIN VAN NORDEN	NED	2009	2:03.65 IVAR SISNIEGA	MEX	2009	50 M. BRST		
1:00.14 ANDERS RASMUSSEN	USA	2009	400 M. FREE			30.61 DAVID GUTHRIE	USA	2012
1:00.29 MARCO COLOMBO	ITA	2006	4:07.99 JIM MCCONICA	USA	2000	30.91 GLEN CHRISTIANSEN	SWE	2009
1:00.44 JEROME FRENTSOS	USA	2010	4:12.12 BOB BUGG	USA	2009	31.06 RONNY OLTNER	SWE	2007
1:00.46 ALEX BAUMANN	CAN	2009	4:13.01 MARCUS MATTIOLI	BRA	2011	31.08 BENN DOYLE	USA	2008
1:00.49 JOSEF HLADKY	GER	2008	4:17.25 ANDREW BRAY	USA	2011	31.10 GARY PATTERSON	USA	2009
1:00.57 RICHARD HUGHEY	USA	2008	4:18.96 MARK DRENNEN	USA	2006	31.14 ANDREA FLORIT	ITA	2010
1:00.66 CLAY BRITT	USA	2006	4:21.85 FRANCIS CHRISTIAN	AUS	2008	31.22 MARK SCHREMMER	USA	2009
1:00.81 SHUJI AZUMA	JPN	2012	4:23.19 GRAHAM WELBOURN	CAN	2012	31.24 TADASHI FUJIMOTO	JPN	2012
200 M. I.M.			4:26.37 LARRY KRAUSER	USA	2003	31.24 DON MC KENZIE	USA	1997
2:04.64 NICOLAS GRANGER	FRA	2012	4:26.41 PETER FISCHER	GER	2012	31.34 OLIVIER BORIOS	FRA	2009
2:09.71 JEROME FRENTSOS	USA	2010	4:26.48 ERIC EMINENTE	FRA	2009	100 M. BRST		
2:10.49 TAIHEI SAKA	JPN	2009	800 M. FREE			1:06.39 DAVID GUTHRIE	USA	2012
2:11.28 ANDERS RASMUSSEN	USA	2009	8:44.51 JIM MCCONICA	USA	2000	1:08.27 BENN DOYLE	USA	2008
2:11.92 EDWIN VAN NORDEN	NED	2009	8:49.96 ANDREW BRAY	USA	2011	1:08.56 GLEN CHRISTIANSEN	SWE	2009
2:12.01 ALEX BAUMANN	CAN	2009	8:53.48 MARK DRENNEN	USA	2006	1:08.95 GARY PATTERSON	USA	2009
2:13.42 GLENN MILLS	USA	2008	9:04.68 FRANCIS CHRISTIAN	AUS	2008	1:08.97 RONNY OLTNER	SWE	2007
2:14.17 CHRIS WEISSMAN	USA	2009	9:10.06 K.DELLBRUGGE	GER	2012	1:09.40 G.HOFFMANN	USA	2009
2:14.68 ROSS DAVIS	USA	2011	9:11.92 JIM CLEMMONS	USA	2002	1:09.55 THOMAS LIGL	GER	2012
2:15.23 PIERRE BLANC	FRA	2012	9:12.81 R TOD SPIEKER	USA	1998	1:09.88 TIMOTHY SHEAD	RSA	2002
400 M. I.M.			9:14.19 FRANCESC COLL	ESP	2012	1:09.94 TADASHI FUJIMOTO	JPN	2012
4:31.36 NICOLAS GRANGER	FRA	2012	9:15.18 SERGE GUERIN	FRA	2009	1:09.96 ROBERT STRAND	USA	1996
4:42.15 TAIHEI SAKA	JPN	2009	9:15.50 SCOTT SHAKE	USA	2008	200 M. BRST		
4:43.64 JEROME FRENTSOS	USA	2010	1500 M. FREE			2:25.70 DAVID GUTHRIE	USA	2012
4:44.28 MARCUS MATTIOLI	BRA	2009	16:33.02 JIM MCCONICA	USA	2000	2:32.06 LINCOLN DJANG	USA	2009
4:46.48 MARCO TENDERINI	ITA	2012	16:52.78 ANDREW BRAY	USA	2011	2:32.78 BENN DOYLE	USA	2008
4:46.68 CHRIS STEVENSON	USA	2009	17:03.45 MARCUS MATTIOLI	BRA	2011	2:33.38 G.HOFFMANN	USA	2009
4:48.12 MICHAEL SCHMIDT	USA	2008	17:14.75 MARK DRENNEN	USA	2007	2:33.71 LORENZO MARUGO	ITA	2004
4:48.17 LEN GUSHE	CAN	2008	17:32.20 JIM CLEMMONS	USA	2001	2:34.71 ROBERT STRAND	USA	1996
4:48.75 A.TIBERTI	ITA	2008	17:32.74 DENNIS BAKER	USA	2012	2:34.74 THOMAS LIGL	GER	2012
4:48.97 LINCOLN DJANG	USA	2004	17:33.73 FRANCIS CHRISTIAN	AUS	2008	2:35.00 GLEN CHRISTIANSEN	SWE	2011
*****			17:34.08 SIMON VEALE	GBR	2007	2:35.16 DAVE TOWN	CAN	2012
M E N 50-54			17:36.51 R TOD SPIEKER	USA	1999	2:35.81 DAVE MILBURN	GBR	2012
*****			17:43.00 B.BORDONALI	ITA	2011	50 M. FLY		
50 M. FREE			50 M. BACK			25.49 DAN THOMPSON	CAN	2009
			27.66 CRAIG NORREY	SUI	2011	26.12 PAUL CARTER	USA	2007



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26.20	PAUL SMITH	USA	2009	50	M. FREE		18:21.89	BRUCE THOMAS	USA	2012	
26.45	WILLIAM SPECHT	USA	2009	24.70	PAUL TREVISAN	USA	2006	50	M. BACK		
26.78	FRITZ HOMANS	USA	2008	24.91	JACK GROSELLE	USA	2009	29.01	TOM BARTON	USA	2012
26.79	GREG SHAW	USA	2003	25.00	RICH ABRAHAMS	USA	2001	29.07	PHILIPP DJANG	USA	2009
26.94	ISAMU SHIBAZAKI	JPN	2010	25.38	MIKE TENNANT	USA	2009	29.41	ALISTAIR COCKBURN	USA	2008
26.96	MARIO LLORET	ESP	2009	25.42	BARRY ROTH	USA	2009	29.62	MARIO LLORET	ESP	2012
26.97	HUGO BREGMAN	NED	2009	25.55	STEVE BOROWSKI	USA	2002	29.97	JONATHAN KLEIN	USA	2012
27.04	DONALD GRAHAM	USA	2006	25.58	MICHAEL MANN	USA	2009	30.15	CASEY CLAFLIN	USA	2008
100	M. FLY			25.69	GARY SCHATZ	USA	2011	30.21	TAKEO HIRAMOTO	JPN	2009
57.29	PAUL CARTER	USA	2007	25.73	ALEXANDER MILLS	GBR	2006	30.25	HUGH WILDER	USA	2003
58.30	DAVID SIMS	USA	2012	25.76	CHARLES LEMAISTRE	USA	2009	30.31	ANDRE STEYNBERG	RSA	2012
58.76	MARIO LLORET	ESP	2009	100	M. FREE			30.33	MIKE MCINTYRE	CAN	2011
59.25	WILLIAM SPECHT	USA	2009	54.50	JACK GROSELLE	USA	2009	100	M. BACK		
59.39	DAN THOMPSON	CAN	2009	55.12	PAUL TREVISAN	USA	2006	1:03.29	TOM BARTON	USA	2011
59.91	HUGO BREGMAN	NED	2008	56.29	CHARLES LEMAISTRE	USA	2009	1:03.75	PHILIPP DJANG	USA	2009
1:00.08	JOHN MCCALL	USA	2003	56.51	RICH ABRAHAMS	USA	2001	1:04.89	TIM BIRNIE	USA	2000
1:00.27	FRITZ HOMANS	USA	2008	56.74	STEVE BOROWSKI	USA	2002	1:04.91	JONATHAN KLEIN	USA	2012
1:00.32	GREG SHAW	USA	2005	57.19	RICK ABBOTT	USA	2010	1:04.97	MARIO LLORET	ESP	2012
1:00.82	JOHN VAN BUUREN	CAN	2005	57.28	PHIL DODSON	USA	2009	1:05.53	JIM ADAMS	IRL	2007
200	M. FLY			57.30	S.D'ALESSANDRO	ITA	1995	1:05.56	HUGH WILDER	USA	2002
2:11.70	DAVID SIMS	USA	2012	57.41	BARRY ROTH	USA	2009	1:05.72	ANDRE STEYNBERG	RSA	2012
2:12.34	MARCUS MATTIOLI	BRA	2011	57.52	ALBERT BOONSTRA	NED	2012	1:06.04	WIESLAW MUSIAL	CAN	2012
2:12.41	DENNIS BAKER	USA	2011	57.52	MIKE TENNANT	USA	2008	1:06.05	WES EDWARDS	USA	2008
2:12.54	WILLIAM SPECHT	USA	2009	200	M. FREE			200	M. BACK		
2:12.90	HUGO BREGMAN	NED	2010	1:59.08	MICHAEL MANN	USA	2009	2:17.04	TOM BARTON	USA	2011
2:18.02	SCOTT LAUTMAN	USA	2004	2:03.40	S.D'ALESSANDRO	ITA	1995	2:19.42	PHILIPP DJANG	USA	2009
2:18.88	JOHN CRAIG	USA	2004	2:03.56	JACK GROSELLE	USA	2009	2:20.59	JAMES MCCONICA	USA	2005
2:19.51	FRANCIS CHRISTIAN	AUS	2007	2:03.64	JAMES MCCONICA	USA	2005	2:21.80	TOD SPIEKER	USA	2003
2:20.26	GREG SHAW	USA	2003	2:06.20	TOD SPIEKER	USA	2003	2:22.25	JIM ADAMS	NED	2006
2:20.86	JIM OCONNOR	USA	2003	2:06.24	DAN STEPHENSON	USA	2012	2:23.31	WIESLAW MUSIAL	CAN	2012
100	M. I.M.			2:06.83	PHIL DODSON	USA	2009	2:24.72	TIM BIRNIE	USA	2000
1:00.96	DAVID SIMS	USA	2012	2:06.94	TIM BIRNIE	USA	2000	2:25.81	FRED FERROGGIARO	USA	2008
1:01.29	JAMIE FOWLER	USA	2009	2:07.71	SERGE GUERIN	FRA	2012	2:26.41	ROBERT SUPPLE	USA	2010
1:01.54	PAUL SMITH	USA	2009	2:07.78	MARCO BRAVI	ITA	2012	2:26.54	MIKE MCINTYRE	CAN	2011
1:02.27	MARIO LLORET	ESP	2009	2:07.78	JIM CLEMMONS	USA	2008	50	M. BRST		
1:02.51	KEN SHILLING	USA	2008	400	M. FREE			30.50	WALTER KUSCH	GER	2009
1:02.75	DMITRI KHODKO	SWE	2009	4:16.03	MICHAEL MANN	USA	2009	31.82	TIMOTHY SHEAD	USA	2009
1:02.82	DAVE TOWN	CAN	2011	4:24.92	JIM MCCONICA	USA	2006	32.06	G.HOFFMANN	USA	2011
1:03.14	STEVE WOOD	USA	2011	4:28.73	TOD SPIEKER	USA	2003	32.17	STUART ELLICOTT	AUS	2009
1:03.21	ANDREA FLORIT	ITA	2010	4:28.97	J.CHATARD	FRA	2006	32.18	ROBERT STRAND	USA	2001
1:03.54	TIMOTHY SHEAD	RSA	2002	4:31.95	STEVEN PRESCOTT	NZL	2009	32.44	ALEXANDER MILLS	NOR	2006
200	M. I.M.			4:32.83	TIM BIRNIE	USA	2000	32.79	MARCO STENTELLA	ITA	2010
2:13.40	JAMIE FOWLER	USA	2009	4:32.85	LARRY WOOD	USA	2009	32.86	TIMUR PODMARYOV	RUS	2012
2:14.53	KEN SHILLING	USA	2008	4:33.06	DAN STEPHENSON	USA	2012	32.86	RONNY OLTNER	SWE	2011
2:16.09	DAVE TOWN	CAN	2012	4:33.31	SERGE GUERIN	FRA	2011	33.03	C.STARZEC	FRA	2005
2:16.73	MARCUS MATTIOLI	BRA	2011	4:35.22	JIM CLEMMONS	USA	2008	100	M. BRST		
2:17.48	PAUL CARTER	USA	2007	800	M. FREE			1:08.13	WALTER KUSCH	GER	2009
2:18.68	SIMON VEALE	GBR	2006	8:51.34	MICHAEL MANN	USA	2009	1:09.93	TIMOTHY SHEAD	USA	2009
2:18.71	SCOTT SHAKE	USA	2008	9:03.00	JIM MCCONICA	USA	2006	1:10.56	G.HOFFMANN	USA	2011
2:19.27	TOM WOLF	USA	2004	9:07.40	G.SCARAMEL	ITA	2008	1:11.53	ROBERT STRAND	USA	2001
2:19.63	TOM REUDY	USA	2006	9:13.15	TOD SPIEKER	USA	2003	1:11.67	TIMUR PODMARYOV	RUS	2012
2:20.18	DAVID JACOBSON	USA	2010	9:25.93	JIM CLEMMONS	USA	2008	1:12.01	RALPH SCHALLON	SUI	2009
400	M. I.M.			9:26.04	R SCOTT TOWNSEND	USA	2009	1:12.54	MICHAEL MANN	USA	2009
4:48.02	MARCUS MATTIOLI	BRA	2011	9:26.87	GLENN CARLSEN	CAN	2012	1:12.59	HIROFUMI MORIMOTO	JPN	2010
4:51.57	JAMIE FOWLER	USA	2009	9:27.18	SERGE GUERIN	FRA	2011	1:12.67	ROBERT WEYHENKE	NED	2008
4:55.39	DENNIS BAKER	USA	2012	9:30.05	JOEL KRIGER	BRA	2009	1:13.41	CELSO JUGEND	BRA	2009
4:55.50	LINCOLN DJANG	USA	2009	9:30.23	BRUCE THOMAS	USA	2012	200	M. BRST		
4:57.52	LORENZO MARUGO	ITA	2004	1500	M. FREE			2:33.79	TIMOTHY SHEAD	USA	2009
4:58.05	DAVE TOWN	CAN	2011	17:14.15	JAMES MCCONICA	USA	2005	2:35.73	G.HOFFMANN	USA	2012
4:58.93	JIM MC CONICA	USA	2001	17:35.21	TOD SPIEKER	USA	2003	2:36.10	TIMUR PODMARYOV	RUS	2012
4:58.99	HUGO BREGMAN	NED	2009	17:56.15	J.CHATARD	FRA	2006	2:36.90	RALPH SCHALLON	SUI	2009
4:59.39	MARK DRENNEN	USA	2006	17:58.95	STEVEN PRESCOTT	NZL	2009	2:38.76	ROBERT STRAND	USA	2001
5:02.97	DAVID JACOBSON	USA	2010	18:02.40	JIM CLEMMONS	USA	2005	2:40.52	ROBERT WEYHENKE	NED	2007
*****				18:04.07	MARC JOUANDON	FRA	2012	2:40.84	MICHAEL HAMM	USA	2012
M E N 55-59				18:10.34	GLENN CARLSEN	CAN	2012	2:41.91	GLEN CHRISTIANSEN	SWE	2012
*****				18:13.36	LARRY WOOD	USA	2009	2:42.07	HIROFUMI MORIMOTO	JPN	2010
*****				18:14.38	WILLIAM PENN	USA	2009	2:42.58	JIM CLEMMONS	USA	2008



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50	M. FLY			*****				19:01.87	SANDY GALLETTY	GBR	2002
26.64	DAN THOMPSON	CAN	2011		M E N 60-64			19:03.57	VITTORIO ERMIRIO	ITA	2003
26.93	GREG SHAW	USA	2009	*****				19:05.60	JEAN LESTIDEAU	FRA	2007
27.21	STEVE BOROWSKI	USA	2002	50	M. FREE			50	M. BACK		
27.58	KEVIN MCCORMACK	USA	2008	24.90	RICH ABRAHAMS	USA	2006	30.50	TAKEO HIRAMOTO	JPN	2010
27.74	RICH ABRAHAMS	USA	2001	25.40	PAUL TREVISAN	USA	2012	30.80	HUGH WILDER	USA	2009
27.76	DONALD GRAHAM	USA	2009	25.87	MARC MIDDLETON	USA	2012	31.03	MARC MIDDLETON	USA	2011
27.94	JEAN-MARIE CADIAT	BEL	2009	26.18	RAGNAR JENSEN	NOR	2008	31.31	ROBERT SMITH	USA	2004
28.10	MARIO LLORET	ESP	2012	26.31	JEFF FARRELL	USA	2000	31.50	JOSE LORO	BRA	2009
28.14	TIMOTHY SHEAD	USA	2009	26.40	LEONARD BIELICZ	SWE	2012	31.52	PETER O'BRIEN	CAN	2009
28.19	LEONARD BIELICZ	SWE	2006	26.52	ROBERT SMITH	USA	2003	31.64	DAVE WILKIN	CAN	2012
100	M. FLY			26.54	FUMIO SHIGENO	JPN	2009	31.65	RICHARD BURNS	USA	2003
59.82	DAN THOMPSON	CAN	2011	26.76	TATE HOLT	USA	2011	31.67	JEAN LESTIDEAU	FRA	2008
1:00.35	GREG SHAW	USA	2006	26.84	DAVE WILKIN	CAN	2012	31.79	TIMOTHY SHEAD	USA	2012
1:02.13	STEVEN WALL	GBR	2009	26.84	R.DOBBELMANN	FRA	2009	100	M. BACK		
1:02.64	JIM SAUER	USA	2012	100	M. FREE			1:06.27	TIMOTHY SHEAD	USA	2012
1:02.74	KEVIN MCCORMACK	USA	2009	56.63	RICH ABRAHAMS	USA	2008	1:07.31	HUGH WILDER	USA	2009
1:02.74	STEVE BOROWSKI	USA	2002	57.61	PAUL TREVISAN	USA	2012	1:08.85	RICHARD BURNS	USA	2003
1:03.08	JOHN CRAIG	USA	2009	58.87	BRYAN BATEMAN	USA	2008	1:09.20	PETER O'BRIEN	CAN	2009
1:03.23	JEAN-MARIE CADIAT	BEL	2009	59.47	LEONARD BIELICZ	SWE	2011	1:09.20	ROBERT SMITH	USA	2004
1:03.51	LEONARD BIELICZ	SWE	2006	59.74	TERRY DOWNES	RSA	2009	1:09.72	PETER O'KEEFFE	USA	2010
1:03.72	SHIGEO ASANO	JPN	2004	59.76	GLENN GRUBER	USA	2009	1:10.28	GEORGE SCHMIDT	USA	2010
200	M. FLY			59.77	ABED OUADAH	FRA	2012	1:10.87	TAKEO HIRAMOTO	JPN	2012
2:19.72	JOHN CRAIG	USA	2009	59.79	GERHARD SCHILLER	GER	2009	1:10.88	DAVE WILKIN	CAN	2012
2:21.90	GREG SHAW	USA	2007	59.83	STEVE HECK	USA	2009	1:11.07	BRYAN BATEMAN	USA	2008
2:22.13	JAMES MCCONICA	USA	2005	59.90	DAVID QUIGGIN	USA	2004	200	M. BACK		
2:22.73	FRED SCHLICHER	USA	2003	200	M. FREE			2:27.99	TIMOTHY SHEAD	USA	2012
2:25.34	SEIICHI YARITA	JPN	2012	2:09.50	JIM MC CONICA	USA	2010	2:29.60	JIM MC CONICA	USA	2010
2:25.95	SCOTT LAUTMAN	USA	2008	2:10.04	FRED SCHLICHER	USA	2008	2:30.96	JOHN CALVERT	USA	2005
2:26.26	DAVID VANDAM	USA	2010	2:11.78	DUNCAN MCCREADIE	GBR	2006	2:31.95	ROBERT WEYHENKE	NED	2012
2:27.64	VOLKER MENDE	GER	2012	2:12.14	BERT VOSBERGEN	AUS	2008	2:34.17	RICHARD BURNS	USA	2003
2:28.52	ROBERT POILETMAN	USA	2001	2:12.18	JOHN CALVERT	USA	2005	2:34.71	HUGH WILDER	USA	2007
2:29.05	TIMUR PODMARYOV	RUS	2012	2:12.59	JAMES THORNTON	USA	2012	2:35.01	GEORGE SCHMIDT	USA	2010
100	M. I.M.			2:13.49	TIM BRODERICK	USA	2011	2:36.72	PETER O'KEEFFE	USA	2010
1:03.48	TIMOTHY SHEAD	USA	2009	2:14.14	STEVE HECK	USA	2009	2:36.88	EDWARD CAZALET	USA	2003
1:03.69	GREG SHAW	USA	2008	2:14.22	RICH ABRAHAMS	USA	2006	2:37.11	DON MCINTOSH	USA	2003
1:04.34	ROBERT WEYHENKE	NED	2007	2:14.66	GLENN GRUBER	USA	2009	50	M. BRST		
1:05.51	CHARLES LEMAISTRE	USA	2009	400	M. FREE			32.16	STUART ELLICOTT	AUS	2012
1:05.76	PHILIPP DJANG	USA	2009	4:35.39	JIM MC CONICA	USA	2012	32.31	ROBERT STRAND	USA	2009
1:06.09	ALISTAIR COCKBURN	USA	2008	4:40.45	DUNCAN MCCREADIE	GBR	2006	32.45	TIMOTHY SHEAD	USA	2012
1:06.12	ALBERT BOONSTRA	NED	2012	4:42.39	JIM CLEMMONS	USA	2010	33.50	C.STARZEC	FRA	2012
1:06.13	ALEXANDER MILLS	NOR	2006	4:43.69	JOHN CALVERT	USA	2005	33.64	YOSHIHIKO OSAKI	JPN	2000
1:06.14	JACK GROSELLE	USA	2012	4:47.16	JEAN LESTIDEAU	FRA	2007	33.71	PETER ANDERSEN	USA	2003
1:06.29	GEORGE SCHMIDT	USA	2008	4:47.93	SANDY GALLETTY	GBR	2002	33.80	TOSHIHARU FUJII	JPN	2011
200	M. I.M.			4:47.98	RICK WALKER	USA	2011	33.81	PETER HAARSTICK	GER	2012
2:16.44	MICHAEL MANN	USA	2009	4:48.72	JAMES THORNTON	USA	2012	33.99	ALLEN STARK	USA	2010
2:21.00	JIM SAUER	USA	2012	4:48.74	ALAN BELL	USA	2010	34.24	GERSHON SHEFA	ISR	2003
2:21.05	GREG SHAW	USA	2006	4:48.76	JAMES MCCLEERY	USA	2009	100	M. BRST		
2:23.49	ROBERT WEYHENKE	NED	2007	800	M. FREE			1:11.08	TIMOTHY SHEAD	USA	2012
2:23.60	PHILIPP DJANG	USA	2009	9:28.32	JIM MC CONICA	USA	2012	1:11.77	RICK COLELLA	USA	2011
2:24.59	JACK GROSELLE	USA	2012	9:43.24	JIM CLEMMONS	USA	2010	1:12.09	ROBERT STRAND	USA	2009
2:24.64	TIM SHEAD	RSA	2007	9:43.83	DUNCAN MCCREADIE	GBR	2005	1:13.55	TOSHIHARU FUJII	JPN	2010
2:24.85	G.HOFFMANN	USA	2011	9:51.72	SANDY GALLETTY	GBR	2002	1:14.91	C.STARZEC	FRA	2012
2:25.63	JIM CLEMMONS	USA	2008	9:53.30	GEORGE WENDT	USA	2009	1:15.00	ALLEN STARK	USA	2009
2:26.70	JAMES MCCONICA	USA	2005	9:56.38	RICK WALKER	USA	2010	1:15.15	STUART ELLICOTT	AUS	2012
400	M. I.M.			9:58.02	VITTORIO ERMIRIO	ITA	2005	1:15.88	ROBERT WEYHENKE	NED	2012
4:51.97	MICHAEL MANN	USA	2009	9:58.99	JAMES MCCLEERY	USA	2006	1:15.92	ALBERT KOSTITSIN	FIN	2002
5:00.54	JIM SAUER	USA	2012	10:02.87	TIM BRODERICK	USA	2011	1:16.56	PETER ANDERSEN	USA	2003
5:05.40	LORENZO MARUGO	ITA	2007	10:04.36	FRANK MCELROY	USA	2009	200	M. BRST		
5:08.15	JAMES MCCONICA	USA	2005	1500	M. FREE			2:37.61	RICK COLELLA	USA	2011
5:11.49	GREG SHAW	USA	2007	18:24.21	JIM MC CONICA	USA	2010	2:37.87	TIMOTHY SHEAD	USA	2012
5:13.29	R TOD SPIEKER	USA	2003	18:28.64	JIM CLEMMONS	USA	2010	2:40.76	ROBERT STRAND	USA	2009
5:13.35	JIM CLEMMONS	USA	2008	18:50.59	JAMES MCCLEERY	USA	2007	2:43.53	LORENZO MARUGO	ITA	2012
5:14.85	JACK GROSELLE	USA	2012	18:54.83	DUNCAN MCCREADIE	GBR	2005	2:46.21	TOSHIHARU FUJII	JPN	2010
5:19.85	GLENN CARLSEN	CAN	2012	18:55.42	ALAN BELL	USA	2010	2:47.32	JIM CLEMMONS	USA	2010
5:21.53	MARK DRENNEN	USA	2012	18:59.27	RICK WALKER	USA	2010	2:48.65	C.STARZEC	FRA	2012
				19:00.25	GEORGE WENDT	USA	2009	2:48.67	ALLEN STARK	USA	2011



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2:49.27	GRAHAM PEARSON	GBR	2012	5:34.43	EDWARD CAZALET	USA	2003	20:10.13	DON DAVIS	USA	2009
2:49.35	STEVE HECK	USA	2009					20:28.90	J-C LESTIDEAU	FRA	2012
50 M. FLY				*****				20:36.17	DICK STEWART	USA	2006
27.87	RICHARD ABRAHAMS	USA	2008		M E N 65-69			20:40.76	VICTOR PAUL	AUS	2009
28.30	TAKEO HIRAMOTO	JPN	2010	*****				50 M. BACK			
28.46	MARC MIDDLETON	USA	2011	50 M. FREE				30.34	HUGH WILDER	USA	2012
28.59	GREG SHAW	USA	2011	25.62	RICHARD ABRAHAMS	USA	2012	31.64	RICHARD BURNS	USA	2008
28.73	LEONARD BIELICZ	SWE	2012	26.68	KEEFE LODWIG	USA	2008	32.32	VINUS VAN BAALEN	USA	2008
28.80	KENJI NAKAMATSU	JPN	2009	26.73	VINUS VAN BAALEN	CAN	2007	32.35	LUIZ FIGUEIREDO	BRA	2006
29.04	JIM DRAGON	USA	2007	26.87	DAVID QUIGGIN	USA	2009	32.76	ROBERT SMITH	USA	2008
29.11	JEAN LESTIDEAU	FRA	2009	26.88	IAN SMITH	CAN	2009	32.94	RICHARD ABRAHAMS	USA	2010
29.13	JOSEP CLARET	ESP	2004	27.05	JEFF FARRELL	USA	2002	33.14	J.LESTIDEAU	FRA	2011
29.42	SHIGEO ASANO	JPN	2008	27.26	JIM DRAGON	USA	2009	33.32	BERND HORSTMANN	GER	2009
100 M. FLY				27.47	KATSUTAKA IZUMI	JPN	2010	33.38	YOSHI OYAKAWA	USA	1999
1:03.67	TAKEO HIRAMOTO	JPN	2010	27.68	CAV CAVANAUGH	USA	2000	33.41	KATSUTAKA IZUMI	JPN	2010
1:03.76	RICH ABRAHAMS	USA	2006	27.80	PETER BERGENGREN	SWE	2003	100 M. BACK			
1:04.47	GREG SHAW	USA	2011	100 M. FREE				1:07.69	HUGH WILDER	USA	2012
1:05.57	FRED SCHLICHER	USA	2008	58.58	RICHARD ABRAHAMS	USA	2012	1:10.16	RICHARD BURNS	USA	2009
1:05.67	KEVIN MCCORMACK	USA	2012	59.40	DAVID QUIGGIN	USA	2009	1:12.20	BERND HORSTMANN	GER	2009
1:05.91	SHIGEO ASANO	JPN	2009	59.60	KEEFE LODWIG	USA	2008	1:13.11	ROBERT SMITH	USA	2008
1:06.07	LEONARD BIELICZ	SWE	2012	1:01.13	RICHARD BURNS	USA	2008	1:14.04	BARRY YOUNG	NZL	2004
1:06.40	SCOTT LAUTMAN	USA	2012	1:01.36	JEFF FARRELL	USA	2002	1:14.66	YOSHI OYAKAWA	USA	1998
1:06.44	JEAN LESTIDEAU	FRA	2009	1:01.77	PHILIPPE MARCHAT	FRA	2009	1:14.69	LUIZ FIGUEIREDO	BRA	2006
1:06.74	ROBERT POILETMAN	USA	2003	1:02.12	TOM LANDIS	USA	2007	1:14.74	YOSHIKATSU SAWADA	JPN	2009
200 M. FLY				1:02.21	IAN SMITH	CAN	2009	1:15.41	J.LESTIDEAU	FRA	2011
2:29.40	SCOTT LAUTMAN	USA	2012	1:02.24	PETER BERGENGREN	SWE	2003	1:15.54	VINUS VAN BAALEN	USA	2007
2:30.18	FRED SCHLICHER	USA	2008	1:02.41	CAV CAVANAUGH	USA	2000	200 M. BACK			
2:32.76	JEAN LESTIDEAU	FRA	2007	200 M. FREE				2:34.97	RICHARD BURNS	USA	2009
2:34.65	ROBERT POILETMAN	USA	2003	2:15.39	DAVID QUIGGIN	USA	2009	2:36.26	HUGH WILDER	USA	2012
2:35.28	GREG SHAW	USA	2011	2:16.27	KEEFE LODWIG	USA	2008	2:37.65	BERND HORSTMANN	GER	2008
2:35.67	LAWRENCE DAY	USA	2011	2:17.04	RICHARD ABRAHAMS	USA	2012	2:43.82	MICHAEL MCCOLLY	USA	2010
2:37.79	DEREK PARR	GBR	2005	2:17.15	TOM LANDIS	USA	2008	2:44.62	LUIZ FIGUEIREDO	BRA	2006
2:37.97	KOJI IWAMOTO	JPN	2002	2:18.31	RICHARD BURNS	USA	2009	2:45.56	GARY CHASE	USA	2005
2:39.25	DOUGLAS MILLER	USA	2007	2:18.71	JEFF FARRELL	USA	2002	2:47.59	S.SEKIKAWA	JPN	1998
2:39.28	IAN YOUNG	AUS	2012	2:20.13	RUDOLF SMERDA	CZE	2009	2:48.33	RICHARD TODD	USA	2007
100 M. I.M.				2:21.58	DON DAVIS	USA	2009	2:48.78	YOSHIKATSU SAWADA	JPN	2009
1:05.53	TIMOTHY SHEAD	USA	2012	2:21.65	VITTORIO ERMIRIO	ITA	2007	2:49.01	J-C LESTIDEAU	FRA	2012
1:06.29	RICK COLELLA	USA	2011	2:21.73	DUNCAN MCCREADIE	GBR	2010	50 M. BRST			
1:06.53	TAKEO HIRAMOTO	JPN	2010	400 M. FREE				33.86	OSAMU MAEDA	JPN	2010
1:07.77	ROBERT WEYHENKE	NED	2012	4:55.56	TOM LANDIS	USA	2007	34.19	ROBERT STRAND	USA	2012
1:07.80	GEORGE SCHMIDT	USA	2010	4:55.97	DAVID QUIGGIN	USA	2009	34.26	YOSHITADA MAEDA	JPN	2011
1:07.88	BRYAN BATEMAN	USA	2008	4:59.03	VITTORIO ERMIRIO	ITA	2007	34.55	LOUIS KRONFELD	USA	2008
1:07.98	ROBERT STRAND	USA	2009	5:00.26	DON DAVIS	USA	2009	34.88	JIM DRAGON	USA	2009
1:08.08	RICH ABRAHAMS	USA	2009	5:01.65	RICHARD BURNS	USA	2009	34.92	DAVID GILDEA	USA	2009
1:08.09	STEVEN HECK	USA	2009	5:01.81	JAMES MCCLEERY	USA	2011	35.13	KENNETH FROST JR	USA	2009
1:08.37	GREG SHAW	USA	2011	5:01.92	DUNCAN MCCREADIE	FRA	2011	35.34	DIETER HOFEL	GER	2011
200 M. I.M.				5:03.87	VICTOR PAUL	AUS	2009	35.46	HIROSHI KOTEGAWA	JPN	2001
2:25.98	TIMOTHY SHEAD	USA	2012	5:05.40	EDWARD RUDLOFF	USA	2012	35.67	PETER ANDERSEN	USA	2008
2:28.47	TIM BRODERICK	USA	2011	5:06.38	J-C LESTIDEAU	FRA	2012	100 M. BRST			
2:29.11	GREG SHAW	USA	2011	800 M. FREE				1:15.84	ROBERT STRAND	USA	2012
2:30.48	JOHN CALVERT	USA	2005	10:16.06	VITTORIO ERMIRIO	ITA	2007	1:16.64	OSAMU MAEDA	JPN	2010
2:30.56	FRED SCHLICHER	USA	2008	10:21.09	TOM LANDIS	USA	2008	1:17.01	DAVID GILDEA	USA	2008
2:30.64	STEVE HECK	USA	2009	10:30.68	JAMES MCCLEERY	USA	2011	1:18.66	RICHARD TODD	USA	2008
2:31.02	JIM CLEMMONS	USA	2010	10:33.02	DON DAVIS	USA	2009	1:19.12	KENNETH FROST JR	USA	2009
2:31.11	ROBERT WEYHENKE	NED	2012	10:34.23	JOACHIM HINTZE	GER	2009	1:19.41	DIETER HOFEL	GER	2010
2:31.98	ROBERT STRAND	USA	2009	10:34.89	EDWARD RUDLOFF	USA	2012	1:20.36	THOMAS JOHNSON	GBR	2007
2:32.13	LORENZO MARUGO	ITA	2012	10:35.13	GRAHAM JOHNSTON	USA	1996	1:20.41	GERSHON SHEFA	ISR	2008
400 M. I.M.				10:36.94	DUNCAN MCCREADIE	FRA	2011	1:20.54	SEIKO OKAZAKI	JPN	2011
5:04.54	RICK COLELLA	USA	2011	10:36.96	J.LESTIDEAU	FRA	2011	1:21.32	LOUIS KRONFELD	USA	2008
5:20.60	LORENZO MARUGO	ITA	2012	10:42.18	DAVID QUIGGIN	USA	2009	200 M. BRST			
5:22.86	JIM CLEMMONS	USA	2010	1500 M. FREE				2:49.05	ROBERT STRAND	USA	2012
5:25.65	NICK LECLERCQ	USA	2006	19:32.78	TOM LANDIS	USA	2007	2:54.56	GERSHON SHEFA	ISR	2008
5:26.90	JIM MC CONICA	USA	2010	19:41.85	VITTORIO ERMIRIO	ITA	2007	2:56.37	KENNETH FROST	USA	2009
5:29.09	LAWRENCE DAY	USA	2011	19:47.48	JAMES MCCLEERY	USA	2011	2:56.84	DAVID GILDEA	USA	2008
5:30.74	JEAN LESTIDEAU	FRA	2009	19:53.18	GRAHAM JOHNSTON	USA	1996	2:57.01	NORIAKI TSUJI	JPN	2011
5:32.91	RON ARMSTRONG	CAN	2012	20:06.53	D.VIJTENBOGAART	NED	2012	2:59.11	RICHARD TODD	USA	2007
5:33.42	STEVE HECK	USA	2009	20:09.42	DAVID QUIGGIN	USA	2009	2:59.55	YOSHIAKI AOKI	JPN	2005



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3:00.13	MIKE FRESHLEY	USA	2006	6:02.61	DAVID QUIGGIN	USA	2009	22:08.91	GEOFF STOKES	GBR	2009
3:00.27	MICHAEL MOLONEY	AUS	2004	6:03.56	PAUL WYATT	AUS	2011	22:12.38	MICK MARSHALL	GBR	2009
3:01.87	ESTEBAN CRUZ	ESP	2012					22:24.23	FRANK WILLIAMS	USA	2010
50 M. FLY				*****				22:30.87	WILLIAM PHILLIPS	USA	1998
28.57	IAN WILKES	GBR	2012		M E N 70-74			22:32.76	ERNIE LESKOVITZ	USA	2008
28.91	JOSEF CLARET	ESP	2009	*****				50 M. BACK			
28.99	RICHARD ABRAHAMS	USA	2010	50 M. FREE				33.90	YOSHI OYAKAWA	USA	2003
29.18	JIM DRAGON	USA	2009	27.70	JEFF FARRELL	USA	2008	34.15	VINUS VAN BAALEN	CAN	2012
29.78	DAVID QUIGGIN	USA	2009	28.23	VINUS VAN BAALEN	CAN	2012	34.66	BERND HORSTMANN	GER	2012
29.79	KEEFE LODWIG	USA	2008	28.28	PETER BERGEGREN	SWE	2008	35.44	S.SEKIKAWA	JPN	2003
30.49	TOMOYASU IIDA	JPN	2009	28.31	IAN SMITH	CAN	2011	35.60	JOAQUIN CANALES	ESP	2011
30.54	GEORGES KOESSLER	FRA	2007	28.55	RON JOHNSON	USA	2003	35.71	FRANS VAN ENST	NED	2011
30.56	BERND SCHRODER	GER	2009	28.76	CAV CAVANAUGH	USA	2008	35.71	PAUL HUTINGER	USA	1994
30.66	HUGH WILDER	USA	2012	28.99	KATSUKI ISHIHARA	JPN	2009	35.75	BURWELL JONES	USA	2004
100 M. FLY				29.00	WOLFRAM GOTTFRIED	GER	2003	35.90	LUCIEN GAUCHE	FRA	2012
1:05.90	JOSEF CLARET	ESP	2009	29.31	NEIL MACKINNON	GBR	2011	35.99	BARRY YOUNG	NZL	2010
1:06.60	RICHARD ABRAHAMS	USA	2010	29.55	HIROSHI MARUYAMA	JPN	2012	100 M. BACK			
1:08.36	DAVID QUIGGIN	USA	2009	100 M. FREE				1:14.31	BARRY YOUNG	NZL	2009
1:09.10	ROBERT POILETMAN	USA	2009	1:03.33	JEFF FARRELL	USA	2007	1:15.08	BERND HORSTMANN	GER	2012
1:09.66	DEREK PARR	GBR	2009	1:04.58	CAV CAVANAUGH	USA	2005	1:15.85	YOSHI OYAKAWA	USA	2003
1:10.25	RICHARD BURNS	USA	2008	1:04.66	PETER BERGEGREN	SWE	2008	1:16.73	BURWELL JONES	USA	2003
1:10.73	KOJI IWAMOTO	JPN	2009	1:05.11	HIROSHI MARUYAMA	JPN	2012	1:18.00	LUCIEN GAUCHE	FRA	2012
1:11.45	J.LESTIDEAU	FRA	2011	1:05.41	IAN SMITH	CAN	2011	1:18.73	S.SEKIKAWA	JPN	2003
1:11.45	KEEFE LODWIG	USA	2008	1:05.62	VINUS VAN BAALEN	CAN	2012	1:19.09	MARTY MENNEN	USA	2007
1:11.62	BERND SCHRODER	GER	2009	1:06.26	GRAHAM JOHNSTON	USA	2001	1:20.02	VINUS VAN BAALEN	CAN	2012
200 M. FLY				1:06.29	TOM LANDIS	USA	2012	1:20.82	FRANS VAN ENST	NED	2011
2:38.71	ROBERT POILETMAN	USA	2008	1:06.29	WILLIAM LETCH	GBR	2010	1:20.94	MAMPEI SEINO	JPN	2003
2:41.64	DEREK PARR	GBR	2009	1:06.32	MASATO YOSHINO	JPN	2009	200 M. BACK			
2:45.27	J.LESTIDEAU	FRA	2011	200 M. FREE				2:40.17	BARRY YOUNG	NZL	2009
2:47.38	HORST LEHMANN	GER	2012	2:24.31	GRAHAM JOHNSTON	USA	2001	2:51.24	BURWELL JONES	USA	2003
2:48.60	KOJI IWAMOTO	JPN	2009	2:26.68	TOM LANDIS	USA	2012	2:51.82	LUCIEN GAUCHE	FRA	2012
2:48.78	RICHARD KITCHELL	USA	2005	2:28.41	CAV CAVANAUGH	USA	2005	2:53.22	S.SEKIKAWA	JPN	2003
2:53.93	JOACHIM HINTZE	GER	2008	2:29.28	MASATO YOSHINO	JPN	2009	2:53.59	YOSHI OYAKAWA	USA	2003
2:53.94	PAUL WYATT	AUS	2011	2:29.64	KOJI IWAMOTO	JPN	2012	2:54.36	MARTY MENNEN	USA	2007
2:57.23	TAISUKE MIYAZAKI	JPN	2004	2:30.04	JEFF FARRELL	USA	2008	2:55.04	RICHARD TODD	USA	2012
2:59.20	J-C LESTIDEAU	FRA	2012	2:30.27	BURWELL JONES	USA	2004	2:55.73	ROGER FRANKS	USA	1998
100 M. I.M.				2:30.45	DAVID RADCLIFF	USA	2007	2:57.96	T.HASHIMOTO	JPN	2012
1:10.26	ROBERT STRAND	USA	2012	2:30.62	WERNER SCHNABEL	GER	2009	2:58.07	KARL DONOGHUE	CAN	2010
1:10.42	RICHARD ABRAHAMS	USA	2010	2:31.75	BALAZS GYORFFY	GBR	2008	50 M. BRST			
1:10.67	RICHARD BURNS	USA	2008	400 M. FREE				35.85	YOSHIHIKO OSAKI	JPN	2009
1:12.04	KOJI IWAMOTO	JPN	2009	5:09.75	GRAHAM JOHNSTON	USA	2002	37.26	JEFF FARRELL	USA	2007
1:12.51	JEFF FARRELL	USA	2002	5:12.57	TOM LANDIS	USA	2012	37.44	HANS REICHEL	GER	2007
1:12.54	HUGH WILDER	USA	2012	5:15.88	BURWELL JONES	USA	2003	37.47	NICK TEMPLEMAN	CAN	2001
1:12.86	J.LESTIDEAU	FRA	2011	5:18.28	DAVID RADCLIFF	USA	2007	37.68	AKIO SUGIYAMA	JPN	2005
1:13.40	ALEXANDER KRYUKOV	RUS	2009	5:26.04	YASUSHI YAMAGUCHI	JPN	2009	37.71	MANUEL SANGUILY	USA	2004
1:13.65	DAVID GILDEA	USA	2009	5:26.86	VITTORIO ERMIRIO	ITA	2012	37.80	ANTONIO ORSELLI	BRA	2012
1:13.90	BERND SCHRODER	GER	2008	5:28.30	GEOFF STOKES	GBR	2009	37.96	KARL WIEDAMANN	USA	2008
200 M. I.M.				5:29.16	JOHN CRISP	AUS	2005	38.00	MASARU SHINKAI	JPN	2010
2:38.42	RICHARD BURNS	USA	2009	5:30.15	NIC GEERS	NED	2009	38.12	TONY GOODWIN	AUS	2007
2:38.96	ROBERT STRAND	USA	2012	5:30.42	CAV CAVANAUGH	USA	2005	100 M. BRST			
2:39.62	J.LESTIDEAU	FRA	2011	800 M. FREE				1:23.63	BARRY YOUNG	NZL	2009
2:41.64	BERND HORSTMANN	GER	2008	10:52.68	GRAHAM JOHNSTON	USA	2001	1:23.70	HANS REICHEL	GER	2007
2:42.68	KOJI IWAMOTO	JPN	2009	11:01.38	DAVID RADCLIFF	USA	2007	1:24.13	TONY GOODWIN	AUS	2007
2:43.49	MIKE FRESHLEY	USA	2006	11:16.51	YASUSHI YAMAGUCHI	JPN	2009	1:24.13	TETSUO NAKAMARU	JPN	2005
2:45.71	J-C LESTIDEAU	FRA	2012	11:17.52	TOM LANDIS	USA	2012	1:24.31	YOSHIKI AOKI	JPN	2008
2:46.35	JEFF FARRELL	USA	2002	11:23.10	ERNIE LESKOVITZ	USA	2006	1:25.02	JACK KELSO	CAN	2009
2:47.42	PAUL WYATT	AUS	2011	11:25.65	JOHN CRISP	AUS	2005	1:25.11	RON JOHNSON	USA	2003
2:47.43	VICTOR PAUL	AUS	2009	11:26.47	GEOFF STOKES	GBR	2009	1:25.34	KARL WIEDAMANN	USA	2008
400 M. I.M.				11:28.02	JOACHIM HINTZE	GER	2012	1:25.37	ANTONIO ORSELLI	BRA	2012
5:37.22	J.LESTIDEAU	FRA	2011	11:30.41	IKURO SHIMONO	JPN	2007	1:25.49	PETER BELL	CAN	2007
5:50.91	RICHARD BURNS	USA	2009	11:38.41	FRANK PIEMME	USA	1995	200 M. BRST			
5:53.40	GEORGE WENDT	USA	2012	1500 M. FREE				3:01.22	BARRY YOUNG	NZL	2009
5:57.90	BOB COUCH	USA	2012	20:54.56	GRAHAM JOHNSTON	USA	2001	3:05.27	HANS REICHEL	GER	2007
5:58.93	MIKE FRESHLEY	USA	2006	21:07.23	TOM LANDIS	USA	2012	3:05.42	MICHAEL MOLONEY	AUS	2009
5:59.56	NORIAKI TSUJI	JPN	2011	21:17.81	JOHN CRISP	AUS	2005	3:06.16	TONY GOODWIN	AUS	2007
5:59.98	MICHAEL MCCOLLY	USA	2010	21:24.18	DAVID RADCLIFF	USA	2007	3:07.68	YOSHIKI AOKI	JPN	2009
6:02.48	RICHARD TODD	USA	2008	22:02.11	YASUSHI YAMAGUCHI	JPN	2009	3:07.85	MIKE FRESHLEY	USA	2011



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

3:09.86	PETER BELL	CAN	2005	6:29.34	RICHARD TODD	USA	2012	23:22.66	TOSABURO HOSOKAWA	JPN	2010
3:10.40	JACK KELSO	CAN	2009	6:36.77	MIKE FRESHLEY	USA	2011	23:50.64	GERHARD HOLE	GER	2012
3:10.58	RICHARD TODD	USA	2012	6:37.13	JOAQUIN CANALES	ESP	2011	23:52.16	H.TAKAHASHI	JPN	2012
3:11.24	MASARU SHINKAI	JPN	2010					24:22.70	FRANK PIEMME	USA	2000
50 M. FLY				*****				24:46.19	ALDO DA ROSA	USA	1993
31.55	BERT PETERSEN	USA	2008		M E N 75-79			24:47.25	THOMAS TAYLOR	USA	2006
31.71	HIROSHI MATSUMOTO	JPN	2009	*****				50 M. BACK			
32.57	RONALD JOHNSON	USA	2001	50 M. FREE				35.51	YOSHI OYAKAWA	USA	2008
32.62	IAN SMITH	CAN	2011	30.15	DAVID RADCLIFF	USA	2009	35.93	BURWELL JONES	USA	2009
32.73	HELMUT RICHTER	GER	2009	31.06	FRANK PIEMME	USA	2001	36.58	S.SEKIKAWA	JPN	2008
32.89	RYUJI TAKAMINE	JPN	2011	31.08	BURWELL JONES	USA	2009	36.68	CLARKE MITCHELL	USA	2007
32.93	JEFF FARRELL	USA	2008	31.10	HIROSHI MATSUMOTO	JPN	2011	37.47	KEIJIRO NAKAMURA	JPN	1998
32.98	KOJI IWAMOTO	JPN	2012	31.31	SHINGO YAMAMOTO	JPN	2009	38.38	PAUL HUTINGER	USA	1999
33.06	DAVE COSTILL	USA	2008	31.38	CAV CAVANAUGH	USA	2011	38.83	JACK HALE	GBR	1997
33.10	PETER BERGEGREN	SWE	2008	31.40	ANDERS SODERQVIST	SWE	2008	38.89	ALLAN CHARLTON	USA	2012
100 M. FLY				31.59	DAVID COSTILL	USA	2011	39.01	MAMPEI SEINO	JPN	2008
1:14.67	KOJI IWAMOTO	JPN	2012	31.64	ALDO EMINENTE	FRA	2006	39.14	GORO TANIGUCHI	JPN	1997
1:15.96	T.TAKESHITA	JPN	2012	31.94	H.TAKAHASHI	JPN	2011	100 M. BACK			
1:16.91	BARRY YOUNG	NZL	2009	100 M. FREE				1:18.47	BURWELL JONES	USA	2009
1:18.38	HUGH RODDIN	USA	2012	1:05.13	DAVID RADCLIFF	USA	2009	1:20.16	YOSHI OYAKAWA	USA	2008
1:18.42	TAISUKE MIYAZAKI	JPN	2009	1:08.90	BURWELL JONES	USA	2009	1:20.66	S.SEKIKAWA	JPN	2009
1:18.59	WILLIAM LETCH	GBR	2010	1:09.83	HIROSHI MATSUMOTO	JPN	2011	1:23.81	CLARKE MITCHELL	USA	2007
1:18.90	JOAQUIN CANALES	ESP	2010	1:10.71	SHINGO YAMAMOTO	JPN	2006	1:24.21	KEIJIRO NAKAMURA	JPN	1998
1:19.47	LUIS SIMI	BRA	2007	1:11.53	GRAHAM JOHNSTON	USA	2007	1:25.13	PAUL HUTINGER	USA	2000
1:19.51	RONALD JOHNSON	USA	2001	1:11.55	FRANK PIEMME	USA	2000	1:25.22	ROGER FRANKS	USA	2002
1:20.31	HIROSHI MATSUMOTO	JPN	2006	1:11.74	JAMES ZURCHER	USA	2009	1:26.10	MAMPEI SEINO	JPN	2007
200 M. FLY				1:12.11	WERNER SCHNABEL	GER	2011	1:26.40	JACK HALE	GBR	1997
2:51.32	BARRY YOUNG	NZL	2009	1:12.71	IKURO SHIMONO	JPN	2012	1:27.41	RAYMOND TAFT	USA	1994
3:04.86	KOJI IWAMOTO	JPN	2012	1:12.72	CAV CAVANAUGH	USA	2011	200 M. BACK			
3:05.81	WILLIAM LETCH	GBR	2010	200 M. FREE				2:49.20	BURWELL JONES	USA	2009
3:06.07	TAISUKE MIYAZAKI	JPN	2010	2:27.53	DAVID RADCLIFF	USA	2009	2:58.21	ROGER FRANKS	USA	2002
3:08.60	TAKASHI HAYASHI	JPN	2003	2:37.71	GRAHAM JOHNSTON	USA	2006	3:00.92	S.SEKIKAWA	JPN	2008
3:13.57	JESUS DOMINGUEZ	ESP	2000	2:38.64	IKURO SHIMONO	JPN	2012	3:09.22	KEIJIRO NAKAMURA	JPN	1999
3:13.99	HUGH RODDIN	USA	2012	2:38.97	WERNER SCHNABEL	GER	2012	3:10.00	MAMPEI SEINO	JPN	2008
3:15.06	ALFRED SEEGER	GER	2011	2:40.22	JOHN CRISP	AUS	2010	3:10.22	RAYMOND TAFT	USA	1994
3:15.19	RON JOHNSON	USA	2002	2:42.21	SHINGO YAMAMOTO	JPN	2006	3:12.53	PAUL HUTINGER	USA	2000
3:16.40	P.WERMELSKIRCHEN	GER	2009	2:46.17	ARAM BOGHOSSIAN	BRA	2004	3:13.21	YOSHI OYAKAWA	USA	2008
100 M. I.M.				2:46.63	CAV CAVANAUGH	USA	2011	3:13.62	E.NODENSCHNEIDER	FRA	2012
1:14.73	JACK KELSO	CAN	2009	2:47.41	HIROSHI YOSHIMURA	JPN	2004	3:13.86	BOB BARRY	AUS	2006
1:15.54	BARRY YOUNG	NZL	2009	2:47.43	FRANK PIEMME	USA	2000	50 M. BRST			
1:15.82	KOJI IWAMOTO	JPN	2012	400 M. FREE				39.04	TETSUO NAKAMARU	JPN	2010
1:15.92	RONALD JOHNSON	USA	2001	5:15.10	DAVID RADCLIFF	USA	2009	39.20	HANS REICHEL	GER	2011
1:16.05	JEFF FARRELL	USA	2007	5:30.95	GERHARD HOLE	GER	2012	39.36	TONY GOODWIN	AUS	2012
1:17.19	DAVE COSTILL	USA	2008	5:36.32	IKURO SHIMONO	JPN	2012	39.97	TOSHIO TAJIMA	JPN	2000
1:17.22	BURWELL JONES	USA	2003	5:40.14	GRAHAM JOHNSTON	USA	2006	40.06	BELA FABIAN	HUN	2012
1:17.65	HIROSHI NONAKA	JPN	2012	5:45.47	HIROSHI YOSHIMURA	JPN	2004	40.07	MANUEL SANGUILY	USA	2008
1:18.44	WOLFRAM GOTTFRIED	GER	2001	5:50.39	BURWELL JONES	USA	2008	40.17	ROBERT PFERSDORFF	GER	1999
1:18.45	JOAQUIN CANALES	ESP	2010	5:50.91	JOHN CRISP	AUS	2010	40.35	RINALDO FERREIRA	BRA	2012
200 M. I.M.				5:53.05	WERNER SCHNABEL	GER	2012	40.62	JOHN KORTHEUER	USA	2006
2:42.44	BARRY YOUNG	NZL	2009	5:58.03	TOSABURO HOSOKAWA	JPN	2011	40.78	T.FUJIMOTO	JPN	2012
2:49.43	JACK KELSO	CAN	2009	6:01.32	FRANK PIEMME	USA	2000	100 M. BRST			
2:51.73	BURWELL JONES	USA	2003	800 M. FREE				1:26.84	TONY GOODWIN	AUS	2012
2:52.63	KOJI IWAMOTO	JPN	2012	10:59.10	DAVID RADCLIFF	USA	2009	1:27.76	TETSUO NAKAMARU	JPN	2010
2:54.26	MIKE FRESHLEY	USA	2011	11:07.83	GERHARD HOLE	GER	2012	1:28.40	BELA FABIAN	HUN	2012
2:55.51	RON JOHNSON	USA	2002	11:38.56	BURWELL JONES	USA	2008	1:28.61	ROBERT PFERSDORFF	GER	1999
2:55.58	GRAHAM JOHNSTON	USA	2002	12:00.94	GRAHAM JOHNSTON	USA	2006	1:28.72	SHUNSAKU TAKAHIRA	JPN	2007
2:57.11	IKURO SHIMONO	JPN	2009	12:02.87	HIROSHI YOSHIMURA	JPN	2004	1:29.75	HANS REICHEL	GER	2011
2:57.37	JOAQUIN CANALES	ESP	2010	12:11.86	WERNER SCHNABEL	GER	2012	1:30.02	TSUTOMU KAJIHARA	JPN	2008
2:57.47	MASAO KIJIMA	JPN	2011	12:13.28	FRANK PIEMME	USA	2000	1:31.15	DAVID COSTILL	USA	2011
400 M. I.M.				12:36.49	JOSEF KREJCI	SUI	2009	1:32.66	THOMAS WALKER	GBR	2010
5:48.67	BARRY YOUNG	NZL	2009	12:39.48	GIULIO DIVANO	ITA	2008	1:32.85	ERICH NEUMANN	GER	2005
6:21.46	BURWELL JONES	USA	2003	12:45.40	RAYMOND TAFT	USA	1994	200 M. BRST			
6:21.47	JACK KELSO	CAN	2009	1500 M. FREE				3:09.09	TONY GOODWIN	AUS	2012
6:22.65	MASAO KIJIMA	JPN	2011	20:39.50	DAVID RADCLIFF	USA	2009	3:15.57	HANS REICHEL	GER	2011
6:23.43	GRAHAM JOHNSTON	USA	2002	22:27.75	GRAHAM JOHNSTON	USA	2006	3:20.93	TSUTOMU KAJIHARA	JPN	2008
6:23.60	KOJI IWAMOTO	JPN	2012	22:28.06	BURWELL JONES	USA	2008	3:21.50	KARL HAUTER	GER	2000
6:25.28	IKURO SHIMONO	JPN	2009	22:52.00	HIROSHI YOSHIMURA	JPN	2003	3:24.84	ROBERT PFERSDORFF	GER	1999



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3:26.71	SHUNSAKU TAKAHIRA	JPN	2008	7:08.53	RAYMOND TAFT	USA	1994	25:35.01	RAY TAFT	USA	1999
3:28.02	ESKO SALONEN	FIN	2001	7:12.49	ANRI VERESHCHAGIN	RUS	2011	25:35.82	GIULIO DIVANO	ITA	2012
3:28.83	MASAMI SHIGETA	JPN	2011	7:16.86	GUNTER BEILSTEIN	GER	2011	26:41.69	ALDO DA ROSA	USA	1998
3:28.99	THOMAS WALKER	GBR	2010	7:17.67	BOB BEST	USA	2007	26:51.46	THOMAS TAYLOR	USA	2011
3:29.02	SHUJI KAWAKAMI	JPN	2010					27:03.64	JURGEN SCHMIDT	USA	2005
50 M. FLY				*****				27:33.01	ROBERT JOHNSTON	USA	1997
32.93	HIROSHI MATSUMOTO	JPN	2012		M E N 80-84			27:33.43	HIROSHI IMAIZUMI	JPN	2005
33.27	ARAM BOGHOSSIAN	BRA	2004	*****				50 M. BACK			
34.53	JEAN LE DALL	FRA	2008	50 M. FREE				38.26	KEIJIRO NAKAMURA	JPN	2003
34.83	FRANK PIEMME	USA	2000	32.58	ROBERTO ALBERICHE	ESP	2012	39.41	CLARKE MITCHELL	USA	2012
35.80	CLARKE MITCHELL	USA	2007	32.61	KEIJIRO NAKAMURA	JPN	2004	40.61	ILO FONSECA	BRA	2010
35.84	BURWELL JONES	USA	2009	32.80	FRANK PIEMME	USA	2005	41.31	SHOICHI SHIDA	JPN	2006
36.03	GENICHI IGARASHI	JPN	2011	33.23	B.SCHLURIKE	GER	2001	41.58	PAUL HUTINGER	USA	2004
36.24	TAKASHI HAYASHI	JPN	2009	33.60	ILO FONSECA	BRA	2010	42.11	DALE WEBSTER	USA	2006
36.41	DAVID COSTILL	USA	2011	33.73	SHINGO YAMAMOTO	JPN	2011	42.16	SHOICHI SAKAMOTO	JPN	1998
36.42	MASAYASU KAMIYA	JPN	2007	33.79	FUJIO MYOJIN	JPN	2008	42.96	RAY TAFT	USA	1999
100 M. FLY				33.85	CLARKE MITCHELL	USA	2012	43.34	HORACE KNOWLTON	USA	2009
1:24.38	TAKASHI HAYASHI	JPN	2009	33.87	BOB BEST	USA	2012	43.64	K.KAWASHIMA	JPN	2012
1:26.67	GENICHI IGARASHI	JPN	2011	33.91	MASAYASU KAMIYA	JPN	2012	100 M. BACK			
1:26.86	HIROSHI MATSUMOTO	JPN	2011	100 M. FREE				1:25.77	KEIJIRO NAKAMURA	JPN	2003
1:27.25	GIULIO DIVANO	ITA	2009	1:12.84	ROBERTO ALBERICHE	ESP	2012	1:31.93	CLARKE MITCHELL	USA	2012
1:30.09	MASAYASU KAMIYA	JPN	2007	1:16.09	KEIJIRO NAKAMURA	JPN	2003	1:33.27	PAUL HUTINGER	USA	2004
1:32.07	ROBERT PFERSDORFF	GER	2000	1:16.30	SHOICHI SHIDA	JPN	2006	1:33.58	RAY TAFT	USA	1999
1:32.31	RON JOHNSON	USA	2006	1:17.02	FRANK PIEMME	USA	2005	1:34.16	ROGER FRANKS	USA	2007
1:32.41	KARL HAUTER	GER	2001	1:17.27	SHINGO YAMAMOTO	JPN	2011	1:35.25	JAN ZIEGLER	CZE	2005
1:33.15	HEINZ KRAUSS	GER	2007	1:18.25	GRAHAM JOHNSTON	USA	2011	1:36.10	HORACE KNOWLTON	USA	2009
1:33.55	TONY GOODWIN	AUS	2012	1:18.67	B.SCHLURIKE	GER	2002	1:36.13	KARL HAUTER	GER	2006
200 M. FLY				1:18.80	HIKOJI UEKI	JPN	1995	1:36.41	ALDO DA ROSA	USA	1998
3:16.99	TAKASHI HAYASHI	JPN	2009	1:19.03	ROD BAKER	AUS	2008	1:37.17	EDWARD SHEA	USA	1994
3:26.72	ROBERT PFERSDORFF	GER	1999	1:19.42	MASAYASU KAMIYA	JPN	2012	200 M. BACK			
3:27.58	KARL HAUTER	GER	2001	200 M. FREE				3:10.06	KEIJIRO NAKAMURA	JPN	2003
3:29.00	ERIVALDO LIMA	BRA	2008	2:45.24	ROBERTO ALBERICHE	ESP	2012	3:23.73	RAY TAFT	USA	1999
3:31.23	MAURICE LUSIEN	FRA	2001	2:55.46	SHINGO YAMAMOTO	JPN	2011	3:24.71	BOB MILLER	USA	2010
3:36.25	CLAUDIO NEGRI	ITA	2012	2:57.47	GRAHAM JOHNSTON	USA	2011	3:25.46	ROGER FRANKS	USA	2007
3:39.04	GIULIO DIVANO	ITA	2010	2:58.32	HIROSHI YOSHIMURA	JPN	2008	3:31.93	CLARKE MITCHELL	USA	2012
3:39.51	THOMAS MAINE	USA	2002	3:00.21	KARL HAUTER	GER	2005	3:32.87	KARL HAUTER	GER	2005
3:40.31	MASARU IGARASHI	JPN	2010	3:00.63	RAYMOND TAFT	USA	1999	3:33.22	MAMPEI SEINO	JPN	2012
3:42.68	TOSHIMASA MINAMI	JPN	2005	3:00.86	FRANK PIEMME	USA	2005	3:33.60	JAN ZIEGLER	CZE	2006
100 M. I.M.				3:01.42	HIKOJI UEKI	JPN	1995	3:33.91	EDWARD SHEA	USA	1994
1:18.80	BURWELL JONES	USA	2009	3:01.91	TOSHIO SHIMIZU	JPN	2007	3:34.86	HORACE KNOWLTON	USA	2010
1:21.42	DAVID COSTILL	USA	2011	3:04.27	MASAYASU KAMIYA	JPN	2012	50 M. BRST			
1:22.82	IKURO SHIMONO	JPN	2012	400 M. FREE				41.42	TOSHIO TAJIMA	JPN	2005
1:23.53	HANS REICHEL	GER	2011	5:56.77	ROBERTO ALBERICHE	ESP	2012	43.42	BOB BEST	USA	2012
1:24.42	FRANK PIEMME	USA	2000	5:59.22	GIULIO DIVANO	ITA	2011	43.64	ZENJI NAKAHARI	JPN	2008
1:24.48	BELA FABIAN	HUN	2012	6:20.10	HIROSHI YOSHIMURA	JPN	2008	43.99	Y.KAWABATA	JPN	2006
1:24.71	DAVID RADCLIFF	USA	2009	6:23.47	GRAHAM JOHNSTON	USA	2012	44.56	Y.MIYAMOTO	JPN	1997
1:24.76	JAMES ZURCHER	USA	2009	6:27.60	RAY TAFT	USA	1999	44.93	JOHN KORTHEUER	USA	2011
1:25.36	KARL HAUTER	GER	2000	6:30.21	KARL HAUTER	GER	2006	44.93	GERHARD GIERA	GER	2008
1:25.68	MASAYASU KAMIYA	JPN	2007	6:34.32	CLARKE MITCHELL	USA	2012	44.97	KARL HAUTER	GER	2008
200 M. I.M.				6:35.25	TOSHIO SHIMIZU	JPN	2007	45.13	HORST FRITSCHKE	GER	2006
2:59.26	BURWELL JONES	USA	2009	6:38.17	JAN ZIEGLER	CZE	2005	45.39	CHARLES URSTADT	USA	2008
3:05.94	IKURO SHIMONO	JPN	2012	6:38.23	FRANK PIEMME	USA	2005	100 M. BRST			
3:10.06	KARL HAUTER	GER	2000	800 M. FREE				1:35.96	ZENJI NAKAHARI	JPN	2008
3:10.46	JAMES ZURCHER	USA	2009	12:50.97	HIROSHI YOSHIMURA	JPN	2008	1:36.91	KARL HAUTER	GER	2005
3:12.11	JOHN CRISP	AUS	2011	13:01.70	GRAHAM JOHNSTON	USA	2012	1:39.60	GIULIO DIVANO	ITA	2012
3:15.45	GIULIO DIVANO	ITA	2009	13:02.25	GIULIO DIVANO	ITA	2012	1:39.85	TOSHIO TAJIMA	JPN	2005
3:16.44	FRANK PIEMME	USA	2000	13:29.27	RAYMOND TAFT	USA	1999	1:40.37	BOB BEST	USA	2012
3:17.45	CHRISTIAN THIESS	AUS	2012	13:34.55	KARL HAUTER	GER	2007	1:42.05	FRANK PIEMME	USA	2005
3:17.53	MASAYASU KAMIYA	JPN	2010	13:35.75	KATSURA SUZUKI	JPN	2011	1:43.54	MAX VON ISSER	USA	1999
3:18.20	BELA FABIAN	HUN	2012	13:41.19	FRANK PIEMME	USA	2005	1:43.70	JAN ZIEGLER	CZE	2006
400 M. I.M.				13:57.61	THOMAS TAYLOR	USA	2011	1:43.91	Y.MIYAMOTO	JPN	1997
6:33.87	BURWELL JONES	USA	2009	14:05.05	JURGEN SCHMIDT	USA	2003	1:44.24	IWAO NARUSE	JPN	2012
6:52.62	KARL HAUTER	GER	2001	14:14.42	MASAYASU KAMIYA	JPN	2012	200 M. BRST			
6:59.68	FRANK PIEMME	USA	2000	1500 M. FREE				3:34.21	ZENJI NAKAHARI	JPN	2008
7:04.92	JOHN CRISP	AUS	2010	24:23.20	LEONE ZILBERSTEIN	ITA	2012	3:40.73	KARL HAUTER	GER	2005
7:07.64	GRAHAM JOHNSTON	USA	2006	25:18.69	HIROSHI YOSHIMURA	JPN	2009	3:45.57	ROBERT MACDONALD	USA	2009
7:08.17	GIULIO DIVANO	ITA	2008	25:25.94	GRAHAM JOHNSTON	USA	2012	3:47.50	JAN ZIEGLER	CZE	2006



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3:47.87	FRANK PIEMME	USA	2005	7:53.88	ALDO DA ROSA	USA	1998	29:55.69	JIM EUBANK	USA	2000
3:50.86	MAX VAN GELDER	NED	2004	7:55.53	THOMAS MAINE	USA	2007	30:31.85	TOKUSHI KOMEDA	JPN	1999
3:52.83	ASHLEY JONES	USA	2011	8:00.81	ANTON CERER	USA	1997	31:05.09	RYUJI FUJIKAWA	JPN	2002
3:56.10	BOB BEST	USA	2012	8:03.48	FRANK TANNER	USA	2011	32:11.96	HAROLD DODD	GBR	2004
3:56.33	ISAO FUNAMOTO	JPN	2002	8:07.83	GRAHAM JOHNSTON	USA	2011	32:20.20	GUS LANGNER	USA	1988
3:56.35	ROLF STELLRECHT	GER	2008					32:43.03	NILS FERM	SWE	2003
50 M. FLY				*****				33:50.15	ARTHUR THOMAS	AUS	2002
39.66	YOSHIO ISHIGURO	JPN	2011		M E N 85-89			34:02.37	RICHARD SMITH	USA	2005
40.13	CLARKE MITCHELL	USA	2012	*****				50 M. BACK			
40.24	FRANK PIEMME	USA	2005	50 M. FREE				40.59	KEIJIRO NAKAMURA	JPN	2009
40.25	TOSHIO TAJIMA	JPN	2005	34.54	KEIJIRO NAKAMURA	JPN	2008	43.80	GORO KOBAYASHI	JPN	2001
40.32	ROBERTO ALBERICHE	ESP	2012	36.26	FRANK PIEMME	USA	2010	45.53	SHOICHI SHIDA	JPN	2012
40.40	TAMON YOSHIDA	JPN	2007	36.31	TOSHIMI INATOMI	JPN	2011	46.08	TOSHIJI SATO	JPN	2000
40.46	GIULIO DIVANO	ITA	2012	36.51	WILLARD LAMB	USA	2007	46.35	SHOICHI SAKAMOTO	JPN	2003
40.94	MASAYASU KAMIYA	JPN	2012	36.61	JIM EUBANK	USA	2000	47.17	R.REINSTADTLER	GER	1997
41.87	ANDREW HOLDEN	USA	1999	37.08	SHOICHI SAKAMOTO	JPN	2003	47.34	ALDO DA ROSA	USA	2002
42.14	MAX VON ISSER	USA	1999	37.16	WOODROW BOWERSOCK	USA	1998	48.08	WILLARD LAMB	USA	2008
100 M. FLY				37.85	ANDREW HOLDEN	USA	2004	48.31	FRANK PIEMME	USA	2012
1:30.15	GIULIO DIVANO	ITA	2012	37.96	WILLIAM JOHNSTON	USA	2003	48.79	EDWARD SHEA	USA	1999
1:36.53	KARL HAUTER	GER	2005	38.08	JIRO KOBAYASHI	JPN	2010	100 M. BACK			
1:41.82	JAN ZIEGLER	CZE	2005	100 M. FREE				1:28.98	KEIJIRO NAKAMURA	JPN	2008
1:43.20	MAX VAN GELDER	NED	2004	1:19.42	KEIJIRO NAKAMURA	JPN	2008	1:39.08	GORO KOBAYASHI	JPN	2002
1:44.29	THOMAS MAINE	USA	2007	1:23.20	JIM EUBANK	USA	2000	1:40.25	TOSHIJI SATO	JPN	2000
1:46.05	BOB BEST	USA	2012	1:25.28	FRANK PIEMME	USA	2010	1:42.84	KARL HAUTER	GER	2010
1:46.68	SILVANO DANIELI	ITA	2008	1:25.28	WILLARD LAMB	USA	2007	1:47.93	WILLARD LAMB	USA	2009
1:47.04	MASAYASU KAMIYA	JPN	2012	1:27.00	HIKOJI UEKI	JPN	2000	1:48.79	ALDO DA ROSA	USA	2002
1:47.17	FRANK PIEMME	USA	2005	1:27.11	KARL HAUTER	GER	2012	1:48.95	EDWARD SHEA	USA	1999
1:48.41	MINORU NAGASHIMA	JPN	2006	1:29.62	WOODY BOWERSOCK	USA	1998	1:50.96	R.REINSTEDTLER	GER	2000
200 M. FLY				1:29.92	GORO KOBAYASHI	JPN	2003	1:51.57	KAIZO WATANABE	JPN	2008
3:30.11	GIULIO DIVANO	ITA	2011	1:30.77	TOSHIMI INATOMI	JPN	2011	1:51.74	PAUL HUTINGER	USA	2009
3:52.41	THOMAS MAINE	USA	2007	1:32.87	HIROSHI IMAIZUMI	JPN	2010	200 M. BACK			
4:00.64	ANTON CERER	USA	1997	200 M. FREE				3:18.29	KEIJIRO NAKAMURA	JPN	2008
4:17.12	PAUL KRUP	USA	1997	3:12.85	WILLARD LAMB	USA	2007	3:37.45	GORO KOBAYASHI	JPN	2002
4:17.29	MINORU NAGASHIMA	JPN	2006	3:13.45	JIM EUBANK	USA	2000	3:55.12	WILLARD LAMB	USA	2008
4:18.70	HIRONARI UEDA	JPN	2002	3:14.70	KARL HAUTER	GER	2010	4:00.80	ALDO DA ROSA	USA	2002
4:20.52	KARL HAUTER	GER	2008	3:15.87	HIKOJI UEKI	JPN	2000	4:02.65	RYUJI FUJIKAWA	JPN	2002
4:23.29	TOSHIMASA MINAMI	JPN	2010	3:20.73	JIRO KOBAYASHI	JPN	2010	4:05.07	JOHN MERRILL	USA	2005
4:25.99	WALTER PFEIFFER	USA	1994	3:26.81	JURGEN SCHMIDT	USA	2009	4:05.25	C.SCHERER	GER	1999
4:27.06	FRANK TANNER	USA	2011	3:29.01	TOKUSHI KOMEDA	JPN	2000	4:06.86	EDWARD SHEA	USA	2000
100 M. I.M.				3:30.18	FRANK PIEMME	USA	2011	4:09.25	NILS FERM	SWE	2003
1:28.76	ROBERTO ALBERICHE	ESP	2012	3:37.28	TOSHIMI INATOMI	JPN	2011	4:09.66	R.REINSTADTLER	GER	1999
1:30.18	ZENJI NAKAHARI	JPN	2008	3:37.37	THOMAS MAINE	USA	2010	50 M. BRST			
1:31.23	GIULIO DIVANO	ITA	2011	400 M. FREE				44.47	TOSHIO TAJIMA	JPN	2010
1:31.77	SHOICHI SHIDA	JPN	2006	7:13.19	WILLARD LAMB	USA	2009	47.24	FRANK PIEMME	USA	2010
1:31.83	MASAYASU KAMIYA	JPN	2012	7:14.98	FRANK PIEMME	USA	2010	47.53	KARL HAUTER	GER	2012
1:32.25	KARL HAUTER	GER	2005	7:19.56	THOMAS MAINE	USA	2010	47.66	Y.KAWABATA	JPN	2010
1:32.49	BOB BEST	USA	2012	7:19.94	JIM EUBANK	USA	2000	47.70	Y.MIYAMOTO	JPN	2002
1:32.62	CLARKE MITCHELL	USA	2012	7:22.76	HIROSHI IMAIZUMI	JPN	2010	48.82	HIROMU YOSHIMOTO	JPN	2000
1:32.65	FRANK PIEMME	USA	2005	7:24.82	JURGEN SCHMIDT	USA	2008	50.04	SEIJI TAKAHASHI	JPN	2000
1:33.50	JAN ZIEGLER	CZE	2006	7:27.29	TOKUSHI KOMEDA	JPN	1999	50.25	R.REINSTADTLER	GER	2000
200 M. I.M.				7:47.75	ALDO DA ROSA	USA	2002	50.44	WALTER MINNICH	GER	2004
3:18.55	GIULIO DIVANO	ITA	2011	7:49.70	RYUJI FUJIKAWA	JPN	2002	50.69	H.REITEMEYER	GER	2006
3:26.48	KARL HAUTER	GER	2006	7:54.24	GUS LANGNER	USA	1988	100 M. BRST			
3:37.04	RAYMOND TAFT	USA	1999	800 M. FREE				1:43.72	KARL HAUTER	GER	2010
3:37.38	BOB BEST	USA	2012	14:04.48	WILLARD LAMB	USA	2008	1:47.97	TOSHIO TAJIMA	JPN	2010
3:38.22	FRANK TANNER	USA	2011	15:03.26	JURGEN SCHMIDT	USA	2008	1:50.32	HIROMU YOSHIMOTO	JPN	2000
3:38.55	MASAYASU KAMIYA	JPN	2012	15:05.68	HIROSHI IMAIZUMI	JPN	2010	1:53.02	FRANK PIEMME	USA	2010
3:39.09	S.KROKOSZYNSKI	POL	2010	15:15.07	FRANK PIEMME	USA	2010	1:56.21	ALDO DA ROSA	USA	2002
3:39.84	ALDO DA ROSA	USA	1998	15:15.68	JIM EUBANK	USA	2000	1:59.82	Y.MIYAMOTO	JPN	2002
3:41.81	GRAHAM JOHNSTON	USA	2011	16:03.63	D.CASOLINO	ITA	2012	2:00.02	H.REITEMEYER	GER	2006
3:42.99	FRANK PIEMME	USA	2008	16:19.95	TOKUSHI KOMEDA	JPN	1999	2:01.87	LUDWIG GEBURZI	GER	2006
400 M. I.M.				16:28.13	HAROLD DODD	GBR	2001	2:03.83	MAX VON ISSER	USA	2004
6:58.11	GIULIO DIVANO	ITA	2011	16:35.66	DICK GUIDO	USA	2002	2:04.08	THOMAS MAINE	USA	2010
7:26.06	KARL HAUTER	GER	2005	16:38.41	NILS FERM	SWE	2003	200 M. BRST			
7:37.58	RAY TAFT	USA	1999	1500 M. FREE				4:05.91	FRANK PIEMME	USA	2010
7:49.23	FRANK PIEMME	USA	2005	28:17.36	WILLARD LAMB	USA	2008	4:13.03	THOMAS MAINE	USA	2010
7:49.67	BOB BEST	USA	2012	29:16.62	JURGEN SCHMIDT	USA	2008	4:16.20	ALDO DA ROSA	USA	2002



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4:20.43	HIROMU YOSHIMOTO	JPN	2001	9:48.58	JURGEN SCHMIDT	USA	2008	38:17.40	NILS FERM	SWE	2007
4:28.38	Y.MIYAMOTO	JPN	2002	10:13.47	DON LEADER	GBR	2009	38:53.33	HUGH MCGREGOR	CAN	2009
4:32.75	WATARU ASAOKA	JPN	2011	10:26.11	HIRONARI UEDA	JPN	2006	39:33.78	WOODY BOWERSOCK	USA	2004
4:33.70	FERNANDO NAJERA	MEX	2009	10:47.13	HERB EISENSCHMIDT	USA	1991	40:43.49	JOHN HARRISON	GBR	2004
4:36.88	PAUL KRUP	USA	2002	11:07.74	WILLIAM JOHNSTON	USA	2003	42:51.20	JOHN BRICE	AUS	2009
4:40.49	H.REITEMEYER	GER	2008	11:48.29	TOM MC CALL	USA	2007	43:35.39	E OLE LARSON	USA	2012
4:41.35	JACQUES AMYOT	CAN	2009	*****	*****	*****	*****	44:48.99	GUS LANGNER	USA	1996
50 M. FLY				*****	M E N 90-94	*****		47:19.71	EUGENE LEHMAN	CAN	2004
43.35	MAX VON ISSER	USA	2004	*****	*****	*****		51:43.20	PAUL E. SPANGLER	USA	1990
44.10	TOSHIO TAJIMA	JPN	2010	50 M. FREE				50 M. BACK			
44.69	TAMON YOSHIDA	JPN	2011	41.07	WOODY BOWERSOCK	USA	2003	52.49	GORO KOBAYASHI	JPN	2008
45.50	FRANK PIEMME	USA	2010	42.60	GORO KOBAYASHI	JPN	2006	53.24	R.REINSTADTLER	GER	2002
47.89	ANDREW HOLDEN	USA	2004	42.76	GEORGE CORONES	AUS	2009	53.32	TOSHIJI SATO	JPN	2005
50.51	Y.MIYAMOTO	JPN	2002	42.93	TOKUSHI KOMEDA	JPN	2004	55.25	JOHN MERRILL	USA	2007
51.28	THOMAS MAINE	USA	2010	43.89	KAZUNAGA AKUTSU	JPN	2002	55.47	KAZUNAGA AKUTSU	JPN	2003
52.74	WALT PFEIFFER	USA	1998	43.91	ISAMU TAMURA	JPN	2009	56.02	NILS FERM	SWE	2007
53.00	PAUL KRUP	USA	2004	45.03	R.REINSTADTLER	GER	2002	56.15	MASAHISA KANEKO	JPN	2003
53.41	LUDWIG GEBURZI	GER	2006	45.58	STEVE CARLSON	USA	2009	56.58	STEVE CARLSON	USA	2009
100 M. FLY				45.92	MASAHISA KANEKO	JPN	2002	57.09	WOODY BOWERSOCK	USA	2003
1:53.78	THOMAS MAINE	USA	2010	46.23	MASAO UEDA	JPN	2002	57.42	FRED SCHULHOF	CAN	2009
1:54.07	FRANK PIEMME	USA	2010	100 M. FREE				100 M. BACK			
2:01.65	ANDREW HOLDEN	USA	2004	1:39.26	WOODY BOWERSOCK	USA	2003	1:47.66	GORO KOBAYASHI	JPN	2006
2:04.50	WALT PFEIFFER	USA	1998	1:41.47	TOKUSHI KOMEDA	JPN	2004	1:58.27	TOSHIJI SATO	JPN	2005
2:11.49	KARL HAUTER	GER	2012	1:45.28	GORO KOBAYASHI	JPN	2007	2:00.03	JOHN MERRILL	USA	2007
2:13.39	ALDO DA ROSA	USA	2002	1:45.44	GEORGE CORONES	AUS	2009	2:00.25	R.REINSTADTLER	GER	2002
2:15.51	LUDWIG GEBURZI	GER	2007	1:47.51	MASAHISA KANEKO	JPN	2002	2:05.76	NILS FERM	SWE	2009
2:15.74	PAUL KRUP	USA	2003	1:47.70	STEVE CARLSON	USA	2009	2:06.00	WOODY BOWERSOCK	USA	2003
2:17.41	PAUL HUTINGER	USA	2009	1:51.96	HEINZ SIEGEL	GER	2004	2:09.05	MASAHISA KANEKO	JPN	2003
2:23.30	R.REINSTADTLER	GER	1997	1:54.87	R.REINSTADTLER	GER	2002	2:10.00	JOHN HARRISON	GBR	2006
200 M. FLY				1:56.86	ARTHUR THOMAS	AUS	2007	2:10.71	ROGERS HOLMES	USA	2011
4:12.21	THOMAS MAINE	USA	2010	1:56.88	GASTAO FIGUEIREDO	BRA	2000	2:12.11	ALFRED SCHULHOF	CAN	2011
4:49.10	WALT PFEIFFER	USA	1998	200 M. FREE				200 M. BACK			
5:01.50	PAUL KRUP	USA	2002	3:39.65	TOKUSHI KOMEDA	JPN	2004	3:59.25	GORO KOBAYASHI	JPN	2007
5:15.25	PAUL HUTINGER	USA	2009	3:48.53	GORO KOBAYASHI	JPN	2007	4:20.68	R.REINSTADTLER	GER	2002
5:29.72	DON LEADER	GBR	2009	3:59.28	WOODY BOWERSOCK	USA	2003	4:25.14	JOHN MERRILL	USA	2007
5:33.83	HIRONARI UEDA	JPN	2006	4:03.31	STEVE CARLSON	USA	2009	4:29.54	NILS FERM	SWE	2007
6:10.72	WILLIAM JOHNSTON	USA	2003	4:20.43	GASTAO FIGUEIREDO	BRA	2000	4:45.91	ROGERS HOLMES	USA	2011
6:33.38	BOB DOUD	USA	2009	4:23.15	MASAHISA KANEKO	JPN	2003	4:47.45	WOODY BOWERSOCK	USA	2003
7:59.16	JAY CHARLES	USA	2007	4:26.25	ARTHUR THOMAS	AUS	2007	4:54.70	ALFRED SCHULHOF	CAN	2010
8:26.16	ROY BODINE	USA	1997	4:27.02	NILS FERM	SWE	2007	4:56.88	H.MIYAZAKI	JPN	2010
100 M. I.M.				4:27.70	GUS LANGNER	USA	1993	4:56.91	GASTAO FIGUEIREDO	BRA	2000
1:32.47	HEINZ SIEGEL	GER	2003	4:41.18	L GENE CROSSET	USA	2003	5:00.38	JOHN HARRISON	GBR	2004
1:40.78	KARL HAUTER	GER	2010	400 M. FREE				50 M. BRST			
1:42.41	FRANK PIEMME	USA	2010	8:50.65	GUS LANGNER	USA	1993	53.23	HEINZ JAHR	GER	1997
1:47.12	HIROSHI IMAIZUMI	JPN	2010	8:52.99	STEVE CARLSON	USA	2009	55.68	HIROMU YOSHIMOTO	JPN	2005
1:48.23	ANDREW HOLDEN	USA	2004	9:05.71	JOHN MERRILL	USA	2007	58.72	ISAMU TAMURA	JPN	2009
1:48.52	THOMAS MAINE	USA	2010	9:16.99	NILS FERM	SWE	2007	1:00.00	JOHN HARRISON	GBR	2006
1:51.67	SHOICHI SHIDA	JPN	2012	9:23.13	AUSTIN NEWMAN	USA	2005	1:01.52	FRED SCHULHOF	CAN	2009
1:53.30	JAN ZIEGLER	CZE	2012	9:34.51	TOKUSHI KOMEDA	JPN	2006	1:02.37	ALDO CAPUTI	ITA	2005
1:55.20	LUDWIG GEBURZI	GER	2006	9:37.35	WOODY BOWERSOCK	USA	2003	1:02.62	GEORGE CORONES	AUS	2008
1:55.35	MAX VON ISSER	USA	2004	9:41.12	R.REINSTADTLER	GER	2003	1:02.84	ALFRED SCHULHOF	CAN	2011
200 M. I.M.				9:41.16	KARL BAYERLEIN	GER	2011	1:03.85	R.REINSTADTLER	GER	2002
3:48.34	KARL HAUTER	GER	2010	9:47.46	JIM TRIOLO	USA	2004	1:04.67	HEINZ SIEGEL	GER	2004
3:50.46	FRANK PIEMME	USA	2010	800 M. FREE				100 M. BRST			
3:54.61	THOMAS MAINE	USA	2010	18:36.25	NILS FERM	SWE	2008	2:15.14	HIROMU YOSHIMOTO	JPN	2005
4:02.22	HIROSHI IMAIZUMI	JPN	2010	18:49.01	AUSTIN NEWMAN	USA	2005	2:23.92	RUSS WITTE	USA	2008
4:07.59	ALDO DA ROSA	USA	2002	19:31.83	WOODY BOWERSOCK	USA	2003	2:32.87	MASAHISA KANEKO	JPN	2002
4:19.20	ANDREW HOLDEN	USA	2004	20:33.27	HUGH MCGREGOR	CAN	2009	2:33.12	GEORGE CORONES	AUS	2008
4:24.58	WALT PFEIFFER	USA	1998	20:42.60	KARL BAYERLEIN	GER	2011	2:33.67	ALFRED SCHULHOF	CAN	2010
4:32.34	JURGEN SCHMIDT	USA	2008	20:48.59	JOHN HARRISON	GBR	2004	2:39.96	E OLE LARSON	USA	2011
4:34.43	G EDWARD RUDLOFF	USA	2009	21:30.46	K.MROWCZYNSKI	POL	2012	2:45.20	JIM PENFIELD	USA	1998
4:40.84	JACQUES AMYOT	CAN	2009	21:58.06	E OLE LARSON	USA	2011	2:46.31	WALT PFEIFFER	USA	2003
400 M. I.M.				22:07.71	JOHN BRICE	AUS	2009	2:49.83	ROMAN JEZEK	CAN	2004
8:12.94	THOMAS MAINE	USA	2010	22:29.57	BUD JACKSON	USA	2010	2:49.96	JIM PANTON	CAN	2004
8:32.50	FRANK PIEMME	USA	2010	1500 M. FREE				200 M. BRST			
9:32.65	WALT PFEIFFER	USA	1998	35:20.36	AUSTIN NEWMAN	USA	2005	4:59.71	HIROMU YOSHIMOTO	JPN	2005
9:36.09	ANDREW HOLDEN	USA	2004					5:32.73	GEORGE CORONES	AUS	2009



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5:35.74	MASAHISA KANEKO	JPN	2003	2:43.76	JOHN HARRISON	GBR	2009	3:35.33	GUS LANGNER	USA	1998
5:44.96	RUSS WITTE	USA	2008	2:49.91	JEAN LEEMPUT	FRA	2010	200 M. BRST			
5:46.96	E OLE LARSON	USA	2011	3:06.54	R.REINSTADTLER	GER	2007	5:45.70	HIROMU YOSHIMOTO	JPN	2010
5:58.17	WALT PFEIFFER	USA	2003	3:06.66	F.GIANNETTA	ITA	2012	6:14.84	RUSS WITTE	USA	2011
6:04.27	BUD JACKSON	USA	2010	3:21.49	ROMAN JEZEK	CAN	2009	7:29.31	GUS LANGNER	USA	1998
6:05.47	FRED SCHULHOF	CAN	2009	4:05.43	EUGENE LEHMAN	CAN	2008	8:00.06	ROMAN JEZEK	CAN	2009
6:06.92	ROMAN JEZEK	CAN	2004	4:35.89	JEAN STORZ	FRA	2009	50 M. FLY			
6:11.93	ALDO CAPUTI	ITA	2005	200 M. FREE				1:35.76	ALDO CAPUTI	ITA	2010
50 M. FLY				5:13.46	GUS LANGNER	USA	1998	3:02.06	EUGENE LEHMAN	CAN	2008
56.09	WALT PFEIFFER	USA	2003	5:42.47	ALFREDO CHERCHI	AUS	2002	100 M. FLY			
1:00.50	HEINZ JAHR	GER	1997	5:55.45	JOHN HARRISON	GBR	2009	6:04.41	WALTER PFEIFFER	USA	2008
1:07.00	ALDO CAPUTI	ITA	2005	6:25.40	JEAN LEEMPUT	FRA	2010	100 M. I.M.			
1:08.25	R.REINSTADTLER	GER	2002	7:18.36	F.GIANNETTA	ITA	2012	3:33.98	GUS LANGNER	USA	1998
1:09.41	HEINZ SIEGEL	GER	2004	8:00.06	ROMAN JEZEK	CAN	2009	5:45.94	BILL REEDER	USA	2005
1:22.46	NORI YAMAMOTO	JPN	1999	8:12.83	EUGENE LEHMAN	CAN	2008	200 M. I.M.			
1:25.02	JOHN HARRISON	GBR	2004	9:40.12	JEAN STORZ	FRA	2009	9:50.55	WALTER PFEIFFER	USA	2008
1:29.42	JIM PENFIELD	USA	1998	400 M. FREE				400 M. I.M.			
1:38.44	ROMAN JEZEK	CAN	2004	10:51.93	GUS LANGNER	USA	1998	21:03.17	WALTER PFEIFFER	USA	2008
1:40.91	EUGENE LEHMAN	CAN	2004	12:24.23	JOHN HARRISON	GBR	2009				
100 M. FLY				16:31.48	EUGENE LEHMAN	CAN	2008	*****			
2:21.82	WALT PFEIFFER	USA	2003	800 M. FREE				M E N 100-104			
2:41.14	ALDO CAPUTI	ITA	2005	22:05.55	GUS LANGNER	USA	1998	*****			
4:25.80	EUGENE LEHMAN	CAN	2003	32:46.93	EUGENE LEHMAN	CAN	2008	50 M. FREE			
4:50.20	BILL REEDER	USA	2001	1500 M. FREE				1:16.92	JARING TIMMERMAN	CAN	2009
200 M. FLY				41:29.87	GUS LANGNER	USA	1998	2:06.66	TOM LANE	USA	1995
5:37.23	WALT PFEIFFER	USA	2003	50 M. BACK				2:07.41	HANS HAHN	GER	2008
9:14.77	EUGENE LEHMAN	CAN	2003	1:01.25	KAZUNAGA AKUTSU	JPN	2007	100 M. FREE			
100 M. I.M.				1:06.23	GORO KOBAYASHI	JPN	2011	3:02.22	JARING TIMMERMAN	CAN	2009
2:08.86	TOKUSHI KOMEDA	JPN	2004	1:09.22	TOSHIJI SATO	JPN	2012	4:32.29	TOM LANE	USA	1995
2:14.23	WALT PFEIFFER	USA	2003	1:10.42	NORI YAMAMOTO	JPN	2004	50 M. BACK			
2:16.67	R.REINSTADTLER	GER	2002	1:12.83	JEAN LEEMPUT	FRA	2010	1:45.59	JARING TIMMERMAN	CAN	2009
2:18.93	ALDO CAPUTI	ITA	2005	1:13.45	JOHN HARRISON	GBR	2009	2:02.52	TOM LANE	USA	1995
2:24.64	HEINZ SIEGEL	GER	2004	1:21.47	R.REINSTADTLER	GER	2007	2:09.37	HANS HAHN	GER	2008
2:28.50	WOODY BOWERSOCK	USA	2003	1:21.53	RUSS WITTE	USA	2011	4:17.99	NOBUO OTSUKI	JPN	2007
2:32.79	NORI YAMAMOTO	JPN	2000	1:25.49	JARING TIMMERMAN	CAN	2004	100 M. BACK			
2:41.51	RUSS WITTE	USA	2008	1:25.89	ALDO CAPUTI	ITA	2010	3:51.54	JARING TIMMERMAN	CAN	2009
2:42.05	E OLE LARSON	USA	2011	100 M. BACK				5:01.82	HANS HAHN	GER	2008
2:49.39	JOHN HARRISON	GBR	2004	2:21.73	TOSHIJI SATO	JPN	2010				
200 M. I.M.				2:23.12	KAZUNAGA AKUTSU	JPN	2007				
5:13.24	WALT PFEIFFER	USA	2003	2:25.92	GORO KOBAYASHI	JPN	2012				
6:10.00	JOHN HARRISON	GBR	2004	2:43.41	JEAN LEEMPUT	FRA	2010				
7:18.74	ROMAN JEZEK	CAN	2004	2:46.68	JOHN HARRISON	GBR	2009				
7:32.22	EUGENE LEHMAN	CAN	2004	2:56.67	RUSS WITTE	USA	2011				
8:43.21	BILL REEDER	USA	2001	3:05.23	NORI YAMAMOTO	JPN	2005				
400 M. I.M.				3:21.49	ROMAN JEZEK	CAN	2009				
11:15.65	WALT PFEIFFER	USA	2003	3:38.07	GUS LANGNER	USA	1998				
15:45.53	EUGENE LEHMAN	CAN	2003	3:39.44	RYUZO KADONO	JPN	2010				
17:59.19	BILL REEDER	USA	2000	200 M. BACK							
*****				6:18.51	JOHN HARRISON	GBR	2009				
M E N 95-99				7:01.87	ALFREDO CHERCHI	AUS	2002				
*****				8:32.34	GUS LANGNER	USA	1998				
50 M. FREE				9:31.21	BILL REEDER	USA	2005				
55.08	KAZUNAGA AKUTSU	JPN	2007	50 M. BRST							
57.57	GUS LANGNER	USA	1998	1:07.12	HIROMU YOSHIMOTO	JPN	2010				
1:00.40	R.REINSTADTLER	GER	2007	1:13.72	RUSS WITTE	USA	2011				
1:01.65	GERSON SOBEL	USA	2005	1:22.80	KAZUNAGA AKUTSU	JPN	2007				
1:02.43	MASAO UEDA	JPN	2007	1:31.50	ROMAN JEZEK	CAN	2009				
1:06.95	JARING TIMMERMAN	CAN	2004	1:31.60	GUS LANGNER	USA	1998				
1:10.32	ALFREDO CHERCHI	AUS	2002	1:34.02	ALDO CAPUTI	ITA	2010				
1:12.53	JOHN HARRISON	GBR	2009	1:47.18	MARTIN SCHMIDT	GER	2007				
1:16.34	ROMAN JEZEK	CAN	2009	2:05.41	F.GIANNETTA	ITA	2012				
1:16.91	JEAN LEEMPUT	FRA	2010	2:58.58	EUGENE LEHMAN	CAN	2008				
100 M. FREE				3:07.96	BILL REEDER	USA	2005				
2:09.32	KAZUNAGA AKUTSU	JPN	2007	100 M. BRST							
2:19.51	GUS LANGNER	USA	1998	2:31.77	HIROMU YOSHIMOTO	JPN	2010				
2:31.62	JARING TIMMERMAN	CAN	2004	3:03.57	RUSS WITTE	USA	2011				
				3:24.92	ROMAN JEZEK	CAN	2009				