



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2013)

*****			17:30.18 KAREN BURTON	USA 1991	2:36.82 KATJA BRASCHOSS	GER 2007
WOMEN 25-29			17:32.82 LAURA MCCLEMONT	CAN 2011	2:36.93 LINDA LUND	DEN 2009
*****			17:36.04 DIANE M. GRANER	USA 1990	2:37.16 NATHALIE ELORRIET	FRA 2000
50 M. FREE			17:36.61 LYNN MARSHALL	CAN 1990	50 M. FLY	
24.73 AMY SMITH	GBR 2013		50 M. BACK		27.14 MOTOMI NAKAMURA	JPN 2013
25.42 SUMIKA KOMATSU	JPN 2006		28.92 DIANA MACMANUS	USA 2012	27.20 AMY SMITH	GBR 2013
25.61 HANNAH KEEN	GBR 2012		29.20 AKIKO MIZUMOTO	JPN 2006	27.29 YUKO NAKANISHI	JPN 2010
25.66 GEORGINA HEYN	GBR 2011		29.25 AYA SHIMODA	JPN 2010	27.84 C. MARGRISON	AUS 2011
25.85 MOTOMI NAKAMURA	JPN 2013		29.46 RYO SAWADA	JPN 2013	27.88 NADINE ROLLAND	CAN 2004
26.03 ANDREA GEOROFF	USA 2011		29.53 ANE SASETA	ESP 2011	27.89 A.CISNEROS	USA 2008
26.07 SANDRA KAZIKOVA	CZE 2003		29.60 EMILIE JORON	FRA 2006	27.98 MABI TSUKIOKA	JPN 2008
26.12 MARIA FUSTER	ESP 2012		29.75 CARLA STAMPFLI	SUI 2012	28.02 MARIA FUSTER	ESP 2012
26.13 NADINE ROLLAND	CAN 2004		29.90 MICHELA VIGNOTTO	ITA 1999	28.11 AIMEE RAMM	GBR 2007
26.16 ALISON TERRY	USA 1999		29.92 C. MARGRISON	AUS 2011	28.16 SOPHIA SKOU	DEN 2004
100 M. FREE			30.04 KANA OHASHI	JPN 2003	100 M. FLY	
54.16 AMY SMITH	GBR 2013		100 M. BACK		1:00.18 YUKO NAKANISHI	JPN 2010
55.28 MARIA FUSTER	ESP 2012		1:02.32 AKIKO MIZUMOTO	JPN 2007	1:01.33 SHEILA TAORMINA	USA 1996
55.28 HANNA SHCHERBA	FRA 2010		1:02.48 KANA OHASHI	JPN 2007	1:01.37 A.CISNEROS	USA 2008
56.27 GEORGINA HEYN	GBR 2011		1:02.99 ANE SASETA	ESP 2011	1:01.46 HITOMI MATSUDA	JPN 2005
56.30 SHEILA TAORMINA	USA 1996		1:03.26 CAMILLA JOHANSSON	USA 2002	1:01.70 LINDA LUND	DEN 2009
56.67 HANNAH KEEN	GBR 2012		1:03.29 F.ALVARENGA	BRA 2012	1:01.97 SOPHIA SKOU	DEN 2004
56.91 A.CISNEROS	USA 2008		1:03.33 LIA OBERSTAR	USA 2001	1:02.16 ANDREA GEOROFF	USA 2011
56.96 HITOMI MATSUDA	JPN 2005		1:03.43 EMILIE JORON	FRA 2006	1:02.18 SARAH HEALEY	GBR 2008
56.98 AIMEE RAMM	GBR 2007		1:03.70 DIANA MACMANUS	USA 2012	1:02.37 SAYO TSUCHIYA	JPN 2013
57.09 CELINE BAILLOD	SUI 2007		1:03.73 FANNY LECLERCQ	FRA 2011	1:03.18 MABI TSUKIOKA	JPN 2008
200 M. FREE			1:03.77 MARION ZOLLER	GER 1995	200 M. FLY	
1:59.78 SHEILA TAORMINA	USA 1996		200 M. BACK		2:09.64 YUKO NAKANISHI	JPN 2010
2:01.89 CAROLINE SAXBY	GBR 2011		2:12.84 KANA OHASHI	JPN 2005	2:17.13 S. PALMER-WHITE	AUS 1991
2:02.50 TATIANA BARBOSA	BRA 2007		2:14.77 LIA OBERSTAR	USA 2001	2:17.19 HITOMI MATSUDA	JPN 2006
2:04.59 HITOMI MATSUDA	JPN 2005		2:16.29 ERIN CAMPBELL	USA 2013	2:19.30 SANDRA TEMMERMAN	NED 2005
2:05.67 CELINE BAILLOD	SUI 2007		2:16.45 MARION ZOLLER	GER 1995	2:20.82 BARBARA KEHBEIN	GER 1997
2:05.72 SAMUELA MAGNELLI	ITA 2009		2:17.86 JOLANDA DE ROVER	NED 1992	2:20.96 PRISCILLA MODROV	USA 2013
2:05.80 REBECCA WILLIAMS	NZL 1990		2:18.22 KELLY HARRIGAN	USA 2010	2:21.46 LIA OBERSTAR	USA 2004
2:06.08 BARBARA KEHBEIN	GER 1998		2:18.65 CAMILLA JOHANSSON	USA 2002	2:22.33 ELVIRA JONKERS	NED 2005
2:06.20 HEIDI HANNENIAN	USA 1997		2:19.05 PAMELA HANSON	USA 2004	2:22.67 KATHARINA STEPHAN	GER 2012
2:06.28 KATIE HENDERSON	GBR 2009		2:19.36 F.ALVARENGA	BRA 2013	2:23.30 JACKIE THOMPSON	GBR 1994
2:06.28 TARA HUTT	GBR 2005		2:19.74 MARION BLANCHARD	FRA 2012	100 M. I.M.	
400 M. FREE			50 M. BRST		1:03.41 MEGAN JENDRICK	USA 2011
4:15.74 SOPHIE CASSON	GBR 2013		31.59 NICOLE HEIDEMANN	GER 2011	1:03.67 HITOMI MATSUDA	JPN 2005
4:17.77 FLAVIA RIGAMONTI	USA 2007		31.87 MEGAN JENDRICK	USA 2010	1:04.25 HANNA ERIKSSON	SWE 2011
4:18.20 CAROLINE SAXBY	GBR 2011		31.95 YOSHIMI MIWA	JPN 2012	1:04.36 LINDA LUND TIETZE	DEN 2010
4:24.18 SHEILA TAORMINA	USA 1996		32.20 TRACEY MIRANDE	USA 1995	1:04.55 SVETLANA KARPEEVA	RUS 2013
4:25.94 LYNN MARSHALL	CAN 1990		32.25 GEORGINA HEYN	GBR 2011	1:04.63 GEORGINA HEYN	GBR 2011
4:26.18 DIANE GRANER	USA 1989		32.25 CELINE BAILLOD	SUI 2007	1:04.68 YOSHIMI MIWA	JPN 2012
4:26.56 CHANTAL DUCK	BEL 1993		32.76 HITOMI MATSUDA	JPN 2006	1:04.77 NADINE ROLLAND	CAN 2004
4:27.07 KELLY HIGGINS	AUS 2010		32.80 RILEY WEST	CAN 2004	1:04.86 BRITTA O'LEARY	USA 2012
4:27.54 REBECCA WILLIAMS	NZL 1990		32.85 LINDA LUND	DEN 2009	1:04.97 CELINE BAILLOD	SUI 2008
4:27.78 SUSANNE KELLER	SUI 2009		33.08 HANNA ERIKSSON	SWE 2011	200 M. I.M.	
4:27.78 LOUISE STEVENSON	AUS 2009		100 M. BRST		2:17.17 HITOMI MATSUDA	JPN 2006
800 M. FREE			1:09.38 GEORGINA HEYN	GBR 2011	2:17.35 ERIKO KATO	JPN 2009
8:51.18 SHEILA TAORMINA	USA 1996		1:09.80 LINDA LUND	DEN 2009	2:19.48 CELINE BAILLOD	SUI 2007
8:57.39 HITOMI MATSUDA	JPN 2006		1:10.04 MEGAN JENDRICK	USA 2012	2:21.70 MARION BLANCHARD	FRA 2011
8:57.67 SUSANNE KELLER	SUI 2009		1:10.17 KATIE HENDERSON	GBR 2009	2:21.79 WENKE HANSEN	USA 1998
9:00.84 PAULA WOOD	GBR 2007		1:10.55 HITOMI MATSUDA	JPN 2005	2:22.00 KANA OHASHI	JPN 2007
9:07.19 S. PALMER-WHITE	AUS 1991		1:10.65 NICOLE HEIDEMANN	GER 2011	2:22.53 NATALIE EFFEMEY	GBR 2010
9:08.09 MARIE ATKINSON	GBR 2001		1:10.68 JULIA VENDEVILLE	FRA 2009	2:22.81 CINDY BERTELINK	CAN 2003
9:11.88 LAURA MCCLEMONT	CAN 2011		1:10.71 MANUELA NACKEL	GER 1998	2:23.00 ALISON TERRY	USA 1999
9:12.01 MELODY REMNANT	AUS 2011		1:11.00 CELINE BAILLOD	SUI 2007	2:23.06 VERENA KLOCKER	AUT 2013
9:12.32 LYNN MARSHALL	CAN 1991		1:11.80 RILEY WEST	CAN 2004	400 M. I.M.	
9:13.49 AYANO YAMAGUCHI	JPN 2011		200 M. BRST		4:52.13 HITOMI MATSUDA	JPN 2006
1500 M. FREE			2:29.80 MEGAN JENDRICK	USA 2012	4:52.81 ERIKO KATO	JPN 2009
16:36.07 SHEILA TAORMINA	USA 1996		2:30.29 KATIE HENDERSON	GBR 2009	4:55.85 KANA OHASHI	JPN 2006
16:47.66 SUSANNE KELLER	SUI 2009		2:31.18 HITOMI MATSUDA	JPN 2006	4:56.01 CELINE BAILLOD	SUI 2008
17:00.63 HITOMI MATSUDA	JPN 2006		2:31.44 GEORGINA HEYN	GBR 2011	4:56.98 ALESSANDRA CORTES	BRA 1999
17:20.28 MELODY REMNANT	AUS 2011		2:32.73 RILEY WEST	CAN 2004	4:58.92 LOUISE STEVENSON	AUS 2009
17:24.96 PAULA WOOD	GBR 2007		2:33.67 NICOLE HEIDEMANN	GER 2011	5:01.26 HELEN SLATTER	GBR 1997
17:29.81 CHANTAL DUCK	BEL 1993		2:35.66 ANDREA PACKARD	USA 2001	5:01.69 KATIE HENDERSON	GBR 2009

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5:02.47	CINDY BERTELINK	CAN	2004	17:25.33	BROOKE BENNETT	USA	2011	2:37.60	MARIONA COSTA	ESP	2010
5:02.54	WENKE HANSEN	USA	1998	17:33.66	KELLY HIGGINS	AUS	2011	2:37.84	CYNTHIA LEWIS	USA	2008
*****				17:44.19	ALISON ZAMANIAN	USA	2004	2:38.68	SATSUKI HIRUKAWA	JPN	2012
*****				17:46.97	JACQUI ROBINSON	AUS	2005	2:39.59	A.BYSTRZYCKA	POL	2011
*****				17:48.12	CYNTHIA LEWIS	USA	2009	50	M. FLY		
*****				50	M. BACK			26.79	MARTINA MORAVCOVA	USA	2006
50	M. FREE			27.43	MAI NAKAMURA	JPN	2009	27.81	METTE JACOBSEN	DEN	2006
25.57	SUMIKA KOMATSU	JPN	2009	27.61	NORIKO INADA	USA	2009	27.89	NORIKO INADA	USA	2011
25.64	METTE JACOBSEN	DEN	2006	28.99	METTE JACOBSEN	DEN	2006	27.97	NADINE ROLLAND	CAN	2008
25.66	TATIANA BARBOSA	BRA	2008	29.28	ALENA NYVITOVA	CZE	2013	28.05	KATRINA RADKE	USA	2004
25.69	ERIKA ERNDL	USA	2012	29.44	NADINE ROLLAND	CAN	2005	28.16	HITOMI MATSUDA	JPN	2010
25.77	HANNAH CALDAS	USA	2011	29.53	KANA YAMAGUCHI	JPN	2012	28.19	NICOLE HEIDEMANN	GER	2011
25.83	HITOMI MATSUDA	JPN	2010	29.58	KANA OHASHI	JPN	2009	28.34	WENKE HANSEN	USA	2000
25.98	DIANE BUI DUYET	FRA	2013	30.03	KATIE BIRCHALL	GBR	2012	28.48	ALFONSINA IRACE	ITA	2010
25.98	KATRINA RADKE	USA	2004	30.08	NAHOMI SHIRATA	JPN	2006	28.53	RUTH JONES	USA	2013
26.09	NADINE ROLLAND	CAN	2006	30.11	GISELI PEREIRA	BRA	2003	100	M. FLY		
26.13	NORIKO INADA	USA	2011	100	M. BACK			59.11	MARTINA MORAVCOVA	USA	2006
100	M. FREE			59.53	NORIKO INADA	USA	2009	1:00.11	METTE JACOBSEN	DEN	2006
54.75	ERIKA ERNDL	USA	2012	1:00.90	KANA YAMAGUCHI	JPN	2010	1:00.34	ERIKA ERNDL	USA	2012
55.11	ALENA POPCHANKA	FRA	2009	1:01.39	KANA OHASHI	JPN	2009	1:00.35	HITOMI MATSUDA	JPN	2008
55.59	TATIANA BARBOSA	BRA	2008	1:02.88	METTE JACOBSEN	DEN	2006	1:01.19	CLAUDIA BECK	GER	2011
56.32	HANNAH CALDAS	USA	2011	1:03.36	K.PIPES-NEILSEN	USA	1996	1:02.39	NADINE ROLLAND	CAN	2005
56.41	METTE JACOBSEN	DEN	2006	1:04.03	J HUDGELL	NZL	1986	1:02.65	BERIT PUGGAARD	DEN	2004
56.48	PASCALE VERBAUWEN	BEL	1993	1:04.16	D.GRANER-GALLAS	USA	1996	1:02.70	WENKE HANSEN	USA	2000
56.49	HITOMI MATSUDA	JPN	2010	1:04.30	CAMILLA JOHANSSON	SWE	2004	1:03.04	ANJA BEHA	GER	2005
57.33	JANET MAYVILLE	CAN	2006	1:04.45	FLORENCE RIERA	FRA	2012	1:03.21	KATRINA RADKE	USA	2003
57.35	S.NEILSON-BELL	USA	1988	1:04.92	KATIE BIRCHALL	GBR	2012	200	M. FLY		
57.46	KATRINA RADKE	USA	2003	200	M. BACK			2:13.09	HITOMI MATSUDA	JPN	2008
200	M. FREE			2:11.86	KANA YAMAGUCHI	JPN	2012	2:19.34	LAURA BIANZANI	ITA	2004
2:02.60	HITOMI MATSUDA	JPN	2010	2:12.40	KANA OHASHI	JPN	2009	2:19.34	KATRINA RADKE	USA	2003
2:03.91	CAROLINE SAXBY	GBR	2013	2:12.47	L.OBERSTAR-BROWN	USA	2008	2:19.64	K PIPES-NEILSEN	USA	1996
2:04.64	K PIPES-NEILSEN	USA	1996	2:13.51	K.PIPES-NEILSEN	USA	1996	2:20.41	L. CARVALHO	AUS	2011
2:04.98	LYNN MARSHALL	CAN	1991	2:18.19	JOANNA CORBEN	GBR	2002	2:21.21	FLORENCE CIOTTI	ITA	2006
2:05.94	BARBARA KEHBEIN	GER	2000	2:19.60	D.GRANER-GALLAS	USA	1996	2:23.00	ANTJE AUHL	GER	2009
2:06.33	BROOKE BENNETT	USA	2012	2:19.66	JO SWATTON	GBR	2000	2:24.17	KATE VEALE	GBR	2000
2:06.39	KELLY HIGGINS	AUS	2011	2:21.41	VALERIE HADD	CAN	2009	2:24.50	LUCY LLOYD-ROACH	GBR	2013
2:06.39	LAUREN THIES	USA	2010	2:21.80	YOSHIMI HAMADA	JPN	2010	2:24.52	MELISSA VARLAS	USA	2005
2:06.55	KATJA TROSIEN	GER	2008	2:21.96	ORIANA BURGIO	ITA	2013	100	M. I.M.		

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5:05.92	ANNE VELEZ	FRA	2011	17:36.58	KRISTINA ULVELING	USA	2008	2:41.24	KAREN KEY	GBR	2011
5:06.05	SUKI BROWNSDON	GBR	1997	17:42.37	ASA NEIJ	SWE	2010	2:41.51	KATIE GLENN	USA	2011
5:07.17	CYNTHIA LEWIS	USA	2009	17:43.10	BETH KNIGHT	USA	1994	2:42.22	YUKA KAWAI	JPN	2011
				17:46.79	VALERIA VERGANI	ITA	2008	2:42.58	HELEN GORMAN	GBR	2008
*****				17:47.08	SARA NELSON	USA	2008	2:42.74	MARIT BOHM	GER	2011
WOMEN 35-39				17:47.18	LYNN MARSHALL	CAN	2000	50	M.	FLY	
*****				50	M.	BACK		28.28	R.CRESCENTINI	ITA	2013
50	M.	FREE		28.13	NORIKO INADA	USA	2013	28.37	GISELI PEREIRA	BRA	2009
25.10	DARA TORRES	USA	2006	28.68	SHERI HART	USA	2009	28.58	HITOMI MATSUDA	JPN	2013
25.82	SANDRA KAZIKOVA	CZE	2011	29.00	GISELI PEREIRA	BRA	2009	28.58	SHERI HART	USA	2009
26.05	M.VALKO	USA	2011	29.34	ZOE CRAY	GBR	2009	28.60	YOKO YAMAGUCHI	JPN	2009
26.13	S.NEILSON-BELL	USA	1995	29.84	KANA OHASHI	JPN	2013	28.61	YAYOI SAKAMOTO	JPN	2011
26.33	ZOE CRAY	GBR	2010	29.91	CINDY MABEE	CAN	2008	28.61	SANDRA KAZIKOVA	CZE	2011
26.36	HITOMI MATSUDA	JPN	2012	30.40	NAHOMI SHIRATA	JPN	2011	28.65	ZOE CRAY	GBR	2009
26.42	ERIKA BRAUN	USA	2011	30.67	C.J-SPONSELLER	SWE	2012	28.68	TRACIE MOLL	USA	2001
26.57	R.CRESCENTINI	ITA	2013	30.73	BERIT PUGGAARD	DEN	2009	28.79	SOPHIA SKOU	DEN	2011
26.63	HELENA ABERG	SWE	2007	30.73	K PIPES-NEILSEN	USA	1999	100	M.	FLY	
26.70	SHERI HART	USA	2008	100	M.	BACK		1:02.70	HITOMI MATSUDA	JPN	2012
100	M.	FREE		1:00.60	NORIKO INADA	USA	2013	1:03.07	DEBBIE YOUNGER	CAN	2005
54.95	DARA TORRES	USA	2006	1:02.36	SHERI HART	USA	2009	1:03.29	K PIPES-NEILSEN	USA	1997
57.48	ZOE CRAY	GBR	2010	1:02.81	KANA OHASHI	JPN	2013	1:03.76	JUNKO ONISHI	JPN	2012
57.65	K PIPES-NEILSEN	USA	2000	1:03.11	GISELI PEREIRA	BRA	2009	1:03.96	SOPHIA SKOU	DEN	2011
57.79	KARIN SEICK	GER	1996	1:03.38	ZOE CRAY	GBR	2009	1:04.01	KYOKO YAMADA	JPN	2009
57.98	R.CRESCENTINI	ITA	2013	1:03.56	K PIPES-NEILSEN	USA	1997	1:04.09	MELANIA BUSSIÈRE	CAN	2008
58.04	HITOMI MATSUDA	JPN	2013	1:04.61	CINDY MABEE	CAN	2008	1:04.18	R.CRESCENTINI	ITA	2013
58.09	SHERI HART	USA	2008	1:05.03	C.J-SPONSELLER	SWE	2011	1:04.33	TRACIE MOLL	USA	2001
58.13	ERIKA BRAUN	USA	2011	1:05.79	NAHOMI SHIRATA	JPN	2011	1:04.37	YOKO YAMAGUCHI	JPN	2009
58.57	MANUELA SCHUBERT	GER	2006	1:05.93	KARIN SEICK	GER	1996	200	M.	FLY	
58.62	S.NEILSON-BELL	USA	1995	200	M.	BACK		2:16.67	HITOMI MATSUDA	JPN	2012
200	M.	FREE		2:13.37	KANA OHASHI	JPN	2013	2:18.41	K PIPES-NEILSEN	USA	1997
2:03.12	HITOMI MATSUDA	JPN	2012	2:14.10	K PIPES-NEILSEN	USA	1997	2:21.18	KYOKO YAMADA	JPN	2010
2:03.56	K PIPES-NEILSEN	USA	1997	2:14.49	GISELI PEREIRA	BRA	2009	2:21.76	DEBBIE YOUNGER	CAN	2005
2:05.70	KIRSTEN CAMERON	NZL	2010	2:17.61	C.J-SPONSELLER	SWE	2012	2:24.80	KATE VEALE	GBR	2002
2:06.18	LAUREEN 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	2:25.23	L. CARVALHO	AUS	2013
2:06.96	D GRANER GALLAS	USA	1999	2:22.08	CINDY MABEE	CAN	2008	2:25.52	NADINE DAY	USA	2006
2:06.99	VALERIA VERGANI	ITA	2006	2:22.82	DAPHNE FUCHS	GER	1998	2:25.81	ALISON ZAMANIAN	USA	2009
2:07.15	CINDY BERTELINK	CAN	2013	2:23.23	ASA NEIJ	SWE	2010	2:25.91	LAUREEN WELTING	USA	2000
2:07.36	MELANIA BUSSIÈRE	CAN	2008	2:23.86	SILVIA PAROCCHI	ITA	2002	100	M.	I.M.	
2:07.58	S.NEILSON-BELL	USA	1995	50	M.	BRST		1:03.17	HITOMI MATSUDA	JPN	2012
400	M.	FREE		31.87	HITOMI MATSUDA	JPN	2012	1:04.61	SHERI HART	USA	2009
4:22.56	K PIPES-NEILSEN	USA	1999	32.13	LINLEY FRAME	AUS	2010	1:05.40	K PIPES-NEILSEN	USA	2000
4:24.56	LAUREEN WELTING	USA	2000	32.35	R.CRESCENTINI	ITA	2012	1:05.53	ZOE CRAY	GBR	2009
4:25.52	CINDY BERTELINK	CAN	2013	32.89	ANNA-KARIN LUNDIN	SWE	2011	1:06.10	R.CRESCENTINI	ITA	2011
4:26.00	HITOMI MATSUDA	JPN	2012	32.97	KATIE GLENN	USA	2013	1:06.34	CYNTHIA LEWIS	USA	2012
4:26.57	JILL HERNANDEZ	USA	1999	33.03	CAROLINE KRATTLI	USA	2000	1:06.43	KANA OHASHI	JPN	2013
4:27.62	VALERIA VERGANI	ITA	2006	33.14	KELLY LEGASPI	USA	2009	1:06.50	SILVIA PAROCCHI	ITA	2005
4:29.09	PENNY BOND	AUS	1999	33.17	CYNTHIA LEWIS	USA	2012	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	2:22.54	KANA OHASHI	JPN	2013
9:12.97	ALISON ZAMANIAN	USA	2006	1:11.97	CAROLINE KRATTLI	USA	2000	2:23.01	CYNTHIA LEWIS	USA	2012
9:13.05	ASA NEIJ	SWE	2008	1:12.13	ANNA-KARIN LUNDIN	SWE	2012	2:23.47	DEBBIE YOUNGER	CAN	2005
9:14.27	LAURIE HUG	USA	2000	1:12.30	R.CRESCENTINI	ITA	2011	2:24.60	CINDY BERTELINK	CAN	2013
9:14.92	KRISTINA ULVELING	USA	2008	1:12.51	KATIE GLENN	USA	2011	2:24.67	C.J-SPONSELLER	SWE	2012
9:15.40	K PIPES-NEILSEN	USA	1998	1:13.08	KELLY LEGASPI	USA	2009	2:24.94	NADINE DAY	USA	2005
9:17.93	PENNY BOND	AUS	1997	1:13.41	YUKO MORITA	JPN	2011	2:25.26	KARIN SEICK	GER	1996
9:20.34	LAURIE DODD	USA	2007	1:13.80	KAREN KEY	GBR	2012	2:25.39	JILL HERNANDEZ	USA	1997
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	5:01.26	KANA OHASHI	JPN	2013
17:35.69	PENNY BOND	AUS	1997	2:36.84	YUKO MORITA	JPN	2012	5:02.22	LAUREEN WELTING	USA	2000
17:36.24	K PIPES-NEILSEN	USA	1999	2:39.04	ANNA-KARIN LUNDIN	SWE	2011	5:08.03	CYNTHIA LEWIS	USA	2011



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5:09.04	CINDY BERTELINK	CAN	2013	17:36.73	VALERIA VERGANI	ITA	2013	2:39.10	HELEN GORMAN	GBR	2013
5:09.87	NADINE DAY	USA	2006	17:38.37	LYNN MARSHALL	CAN	2002	2:39.10	CAROLINE KRATTLI	USA	2002
5:10.43	JILL HERNANDEZ	USA	1999	17:45.50	K PIPES-NEILSEN	USA	2003	2:41.87	H.MORRIS-EYTON	RSA	2009
5:10.65	ANA PAULA GRILO	POR	2005	17:52.93	N.MUIR-COCHRANE	GBR	2004	2:41.88	WENKE SEIDER	USA	2013
5:12.40	VALERIA VERGANI	ITA	2007	17:55.11	AMANDA PICARD	SUI	2009	2:43.88	MARZENA KULIS	ITA	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	50 M. FLY			
*****				50 M. BACK				28.13	GABRIELE BLANK	GER	2006
*****				29.96	GISELI PEREIRA	BRA	2012	28.19	ERIKA BRAUN	USA	2013
50 M. FREE				30.00	CINDY MABEE	CAN	2009	28.21	SUSAN VD LIPPE	USA	2005
26.22	ERIKA BRAUN	USA	2013	30.02	SHERI HART	USA	2012	28.86	SILVIA PAROCCHI	ITA	2007
26.40	MARIKA JOHANSSON	SWE	2008	30.55	ANDREA KUTZ	GER	2013	29.06	ASTRID BENCSIK	SWE	2000
26.66	S.NEILSON-BELL	USA	1996	30.72	JODY SMITH	USA	2009	29.07	EDITH OTTERMANN	RSA	2009
26.67	EDITH OTTERMANN	RSA	2007	30.74	KRISTIN GARY	USA	2008	29.15	WENKE SEIDER	USA	2013
26.70	S. VON DER LIPPE	USA	2008	30.97	K.PIPES-NEILSEN	USA	2005	29.29	YOKO YAMAGUCHI	JPN	2010
26.70	GIOVANNI MORELLI	SUI	2007	30.99	JUNKO NAKANO	JPN	2009	29.45	MARIE SADLER	GBR	2000
26.75	JUNKO NAKANO	JPN	2010	31.04	SYLVIE ALLERY	FRA	2013	29.51	K PIPES-NEILSEN	USA	2003
26.95	BETH KNIGHT	USA	1999	31.06	FALL WILLEBOORDSE	USA	2009	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
57.58	ERIKA BRAUN	USA	2013	1:05.51	KRISTIN GARY	USA	2011	1:04.98	WENKE SEIDER	USA	2013
57.60	K PIPES-NEILSEN	USA	2003	1:05.52	GISELI PEREIRA	BRA	2012	1:05.19	BIRGIT LOHBERG	USA	2009
58.81	JILL HERNANDEZ	USA	2000	1:05.91	JODY SMITH	USA	2009	1:05.45	DANIELA DE PONTI	ITA	2006
59.14	JENNIE BUCKNELL	AUS	2010	1:06.61	SILVIA PAROCCHI	ITA	2008	1:05.49	BETH BAKER	USA	2001
59.37	ANNA HAMMAR	SWE	2012	1:06.83	SYLVIE ALLERY	FRA	2012	1:05.84	JILL HERNANDEZ	USA	2000
59.43	BARBARA KEHBEIN	GER	2012	1:06.85	FALL WILLEBOORDSE	USA	2010	1:05.93	JULIE GIBSON	GBR	2009
59.44	SANDRINE ERGUY	FRA	2011	1:07.57	MONICA SORO	ITA	2012	200 M. FLY			
59.55	JENNIFER WILLIS	USA	2009	200 M. BACK				2:20.66	SUSAN VD LIPPE	USA	2006
59.71	ANA PAULA GRILO	ESP	2009	2:19.06	JODY SMITH	USA	2009	2:20.71	K PIPES-NEILSEN	USA	2002
200 M. FREE				2:19.09	K PIPES-NEILSEN	USA	2003	2:25.30	JUDY BROWN	GBR	2005
2:05.26	K PIPES-NEILSEN	USA	2003	2:21.95	JOANNA CORBEN	GBR	2012	2:26.07	BIRGIT LOHBERG	USA	2006
2:05.55	S.VON DER LIPPE	USA	2008	2:22.02	CINDY MABEE	CAN	2009	2:26.15	BETH BAKER	USA	2001
2:06.81	JILL HERNANDEZ	USA	2000	2:22.68	KRISTIN GARY	USA	2008	2:26.31	YOKO YAMAGUCHI	JPN	2010
2:08.30	VALERIA VERGANI	ITA	2013	2:23.22	SILVIA PAROCCHI	ITA	2006	2:26.99	NICOLA LATTY	GBR	2012
2:09.10	BIRGIT LOHBERG	USA	2009	2:23.61	GISELI PEREIRA	BRA	2013	2:27.12	JULIE GIBSON	GBR	2009
2:09.32	BARBARA KEHBEIN	GER	2013	2:25.78	BETH BAKER	USA	2001	2:27.65	ANGELA DELISSEN	GER	2008
2:09.53	BETH KNIGHT	USA	1999	2:26.31	HELEN WHITFORD	AUS	2011	2:28.20	BARBARA KEHBEIN	GER	2013
2:09.64	KIRSTEN CAMERON	GBR	2013	2:27.40	LAURA SMITH	USA	2008	100 M. I.M.			
2:10.16	JODY SMITH	USA	2009	50 M. BRST				1:04.25	S.VON DER LIPPE	USA	2008
2:10.56	AMANDA PICARD	SUI	2008	32.20	LINLEY FRAME	AUS	2012	1:05.56	K PIPES-NEILSEN	USA	2003
400 M. FREE				32.29	S.VON DER LIPPE	USA	2009	1:05.77	LISA BLACKBURN	USA	2013
4:21.75	K PIPES-NEILSEN	USA	2003	33.61	LISA BLACKBURN	USA	2013	1:06.91	SHERI HART	USA	2011
4:24.22	JILL HERNANDEZ	USA	2000	33.67	CAROLINE KRATTLI	USA	2003	1:06.94	ERIKA BRAUN	USA	2013
4:27.71	KIRSTEN CAMERON	GBR	2013	33.69	STEFANIA MONTI	ITA	2010	1:07.04	ANNA HAMMAR	SWE	2012
4:28.58	VALERIA VERGANI	ITA	2013	33.81	ANNA HAMMAR	SWE	2012	1:07.20	CAROLINE KRATTLI	USA	2002
4:28.58	AMANDA PICARD	SUI	2008	34.11	MAGGIE KELLY	GBR	2000	1:07.35	MONICA SORO	ITA	2012
4:32.38	ALISON ZAMANIAN	USA	2011	34.25	ERIKA BRAUN	USA	2012	1:08.04	WENKE SEIDER	USA	2013
4:32.89	LYNN MARSHALL	CAN	2001	34.31	MARZENA KULIS	ITA	2007	1:08.14	ANGELA DELISSEN	GER	2009
4:34.33	S.VON DER LIPPE	USA	2009	34.34	DAGMAR HILBIG	GER	1998	200 M. I.M.			
4:34.83	BIRGIT LOHBERG	USA	2005	100 M. BRST				2:19.21	S.VON DER LIPPE	USA	2007
4:34.83	SUZANN HEIM-BOWEN	USA	1998	1:10.55	S.VON DER LIPPE	USA	2007	2:20.55	K PIPES-NEILSEN	USA	2003
800 M. FREE				1:10.58	LINLEY FRAME	AUS	2011	2:22.51	JILL HERNANDEZ	USA	2000
8:56.23	KIRSTEN CAMERON	GBR	2013	1:12.08	CAROLINE KRATTLI	USA	2003	2:24.22	WENKE SEIDER	USA	2013
9:09.71	K PIPES-NEILSEN	USA	2003	1:12.32	LISA BLACKBURN	USA	2013	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	1:13.55	HELEN GORMAN	GBR	2013	2:26.51	CAROLINE KRATTLI	USA	2003
9:19.15	VALERIA VERGANI	ITA	2012	1:13.60	ANNA HAMMAR	SWE	2012	2:26.80	ANGELA DELISSEN	GER	2009
9:21.44	LYNN MARSHALL	CAN	2001	1:14.33	WENKE SEIDER	USA	2013	2:27.20	VALERIA VERGANI	ITA	2013
9:26.96	N.MUIR-COCHRANE	GBR	2004	1:14.79	MAGGIE KELLY	GBR	1998	2:27.37	JODY SMITH	USA	2009
9:29.90	SUZANN HEIM-BOWEN	USA	1998	1:15.41	KELLY LEGASPI	USA	2011	400 M. I.M.			
9:30.29	LESLEIGH MAYES	AUS	2000	200 M. BRST				5:00.82	K PIPES-NEILSEN	USA	2002
9:32.90	LAURIE HUG	USA	2008	2:32.37	S.VON DER LIPPE	USA	2008	5:02.17	JILL HERNANDEZ	USA	2000
1500 M. FREE				2:35.79	LINLEY FRAME	AUS	2011	5:03.49	SUSAN VD LIPPE	USA	2006
17:04.16	KIRSTEN CAMERON	GBR	2013	2:39.05	LISA BLACKBURN	CAN	2013	5:11.10	VALERIA VERGANI	ITA	2013
17:35.49	ALISON ZAMANIAN	USA	2010								



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5:13.39	BIRGIT LOHBERG	USA	2006	17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:42.10	CAROLINE KRATTLI	USA	2007
5:13.86	VIBEKE SWANSON	USA	2001	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	2:49.55	LORRAINE WHEATLEY	GBR	2013
*****				18:47.62	JILL GELLATLY	USA	2012	2:50.41	CLAUDIA KERN	GER	2009
*****				18:50.04	N.MUIR-COCHRANE	GBR	2009	50 M. FLY			
*****				50 M. BACK				28.72	S.VON DER LIPPE	USA	2010
*****				30.58	K.PIPES-NEILSEN	USA	2007	29.10	HAYLEY BETTINSON	GBR	2009
50 M. FREE				30.70	SUSAN WILLIAMS	USA	2013	29.21	LAURIE DITOMMASO	USA	2008
26.37	M.FUZZATI	SUI	2013	31.12	FALL WILLEBOORDSE	USA	2012	29.27	SUSAN WILLIAMS	USA	2013
26.59	EDITH OTTERMANN	RSA	2011	31.14	LESLIE LIVINGSTON	USA	2010	29.37	EDITH OTTERMANN	RSA	2011
26.96	MARIKA JOHANSSON	SWE	2011	31.15	ELLEN REYNOLDS	USA	2011	29.40	K.PIPES-NEILSEN	FRA	2009
27.02	OLGA BORISOVA	RUS	2012	31.45	M.FUZZATI	SUI	2013	29.69	LESLIE LIVINGSTON	USA	2009
27.09	K.PIPES-NEILSEN	USA	2007	31.45	BARBARA OPITZ	GER	2006	29.71	SHIZUKO HIRAISHI	JPN	2009
27.17	HAYLEY BETTINSON	GBR	2009	31.69	JUNKO NAKANO	JPN	2012	29.88	NATALIYA MATVEEVA	RUS	2013
27.23	JENNIE BUCKNELL	AUS	2011	32.02	SHIZUKO HIRAISHI	JPN	2009	29.97	USCHI DUMIG	GER	2005
27.28	FALL WILLEBOORDSE	USA	2012	32.14	JENNIE BUCKNELL	AUS	2011	100 M. FLY			
27.31	SARAH MACDONALD	CAN	2005	100 M. BACK				1:03.47	S.VON DER LIPPE	USA	2010
27.46	JUNKO NAKANO	JPN	2013	1:04.46	K.PIPES-NEILSEN	FRA	2009	1:03.96	K.PIPES-NEILSEN	USA	2009
100 M. FREE				1:05.51	ELLEN REYNOLDS	USA	2012	1:06.69	FALL WILLEBOORDSE	USA	2011
58.61	K.PIPES-NEILSEN	USA	2007	1:07.41	SUSAN WILLIAMS	USA	2011	1:06.75	SHIZUKO HIRAISHI	JPN	2008
58.87	M.FUZZATI	SUI	2013	1:07.86	SILVIA PAROCCHI	ITA	2013	1:06.84	SILVIA PAROCCHI	ITA	2012
59.30	ANNA HAMMAR	SWE	2013	1:08.32	FALL WILLEBOORDSE	USA	2011	1:07.07	JUDITH HATTLE	GBR	2005
59.58	SARAH MACDONALD	CAN	2005	1:08.49	ANNA HAMMAR	SWE	2013	1:07.62	BIRGIT LOHBERG	USA	2010
1:00.03	JENNIE BUCKNELL	AUS	2011	1:09.20	VIBEKE SWANSON	USA	2006	1:07.78	DANIELA DE PONTI	ITA	2010
1:00.22	ANETTE PHILIPSSON	SWE	2012	1:09.27	VERA CAPKOVA	BEL	2006	1:07.99	SUZANNE SIMPSON	USA	2005
1:00.24	FALL WILLEBOORDSE	USA	2012	1:09.36	HELEN WHITFORD	AUS	2012	1:08.05	BARBARA GELLRICH	GER	2009
1:00.41	KARIN SEICK	GER	2007	1:09.50	ANETTE PHILIPSSON	SWE	2013	200 M. FLY			
1:00.62	SUSAN WAGER	USA	2010	200 M. BACK				2:23.18	K.PIPES-NEILSEN	USA	2009
1:00.67	SUSANNA ROSEN	SWE	2009	2:18.15	K.PIPES-NEILSEN	FRA	2009	2:24.08	S.VON DER LIPPE	USA	2010
200 M. FREE				2:22.00	ELLEN REYNOLDS	USA	2012	2:26.31	S. PALMER-WHITE	AUS	2009
2:05.94	K.PIPES-NEILSEN	USA	2007	2:26.57	SILVIA PAROCCHI	ITA	2011	2:28.26	LYNN MARSHALL	CAN	2006
2:10.32	ELLEN REYNOLDS	USA	2012	2:28.11	LISA WARD	USA	2009	2:29.32	SUZANNE SIMPSON	USA	2005
2:10.91	S HEIM-BOWEN	USA	2003	2:29.26	HELEN WHITFORD	AUS	2012	2:30.44	ARLENE DELMAGE	USA	2008
2:11.00	LYNN MARSHALL	CAN	2006	2:30.29	STEPHANIE STONE	USA	2012	2:32.09	SHIZUKO HIRAISHI	JPN	2010
2:11.09	JENNY WHITELEY	AUS	2003	2:31.42	LYNN MARSHALL	CAN	2006	2:32.40	BIRGIT LOHBERG	USA	2012
2:12.72	REBECCA PERROTT	NZL	2009	2:31.71	NAOKO SHIDE	JPN	2009	2:32.52	LAURA VAL	USA	1999
2:13.16	BIRGIT LOHBERG	USA	2012	2:32.14	BRIGID BUNCH	USA	2009	2:33.73	PAMELA NIX	AUS	2013
2:13.72	BARBARA GELLRICH	GER	2008	2:32.56	VIBEKE SWANSON	USA	2006	2:33.73	CYNTHIA PINCOTT	CAN	2007
2:14.03	SUSANNA ROSEN	SWE	2008	50 M. BRST				100 M. I.M.			
2:14.05	STEPHANIE STONE	USA	2012	33.56	MARZENA KULIS	ITA	2009	1:05.61	K.PIPES-NEILSEN	FRA	2009
400 M. FREE				33.81	ANNA HAMMAR	SWE	2013	1:06.58	S.VON DER LIPPE	USA	2010
4:25.34	K.PIPES-NEILSEN	USA	2009	33.82	S.VON DER LIPPE	USA	2010	1:06.88	ANNA HAMMAR	SWE	2013
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
4:38.57	STEPHANIE STONE	USA	2013	34.36	ALISON NYE	GBR	2002	1:08.81	SARAH MACDONALD	CAN	2009
4:38.71	SUSANNA ROSEN	SWE	2010	34.60	SWICZINSKY-KORDES	GER	2001	1:08.85	MARZENA KULIS	ITA	2009
4:41.91	REBECCA PERROTT	NZL	2009	34.64	MAGGIE KELLY	GBR	2001	1:09.00	FALL WILLEBOORDSE	USA	2013
4:42.57	ELLEN REYNOLDS	USA	2011	34.70	JUDY GARAY	CAN	2005	1:09.17	SILVIA PAROCCHI	ITA	2012
4:43.49	JENNY WHITELEY	AUS	2003	34.79	MONICA CORO	ITA	2007	1:09.68	JENNY WHITELEY	AUS	2003
4:43.60	MARGEE CURRAN	USA	2007	100 M. BRST				200 M. I.M.			
4:43.85	BARBARA GELLRICH	GER	2007	1:11.78	MARZENA KULIS	ITA	2009	2:21.55	K.PIPES-NEILSEN	USA	2009
800 M. FREE				1:12.64	ANNA HAMMAR	SWE	2013	2:26.26	ELLEN REYNOLDS	USA	2012
9:11.37	K.PIPES-NEILSEN	USA	2009	1:13.30	S.VON DER LIPPE	USA	2010	2:29.40	MARZENA KULIS	ITA	2009
9:21.65	LYNN MARSHALL	CAN	2006	1:13.38	CAROLINE KRATTLI	USA	2007	2:29.69	CAROLINE KRATTLI	USA	2007
9:25.12	SUSANNA ROSEN	SWE	2010	1:15.86	MONICA CORO	ITA	2007	2:30.11	SILVIA PAROCCHI	ITA	2011
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:16.06	K.PIPES-NEILSEN	USA	2007	2:30.44	ANETTE PHILIPSSON	SWE	2012
9:35.81	CLAUDIA KERN	GER	2009	1:17.16	MAGGIE KELLY	GBR	2001	2:31.27	LISA WARD	USA	2009
9:40.50	MARGEE CURRAN	USA	2007	1:17.89	TRACEY MCFARLANE	USA	2012	2:31.99	VIBEKE SWANSON	USA	2006
9:40.69	SUSANNE SIMPSON	USA	2008	1:18.13	JENNY WHITELEY	AUS	2003	2:32.62	REBECCA PERROTT	NZL	2009
9:41.99	BARBARA GELLRICH	GER	2007	1:18.80	KATE SORESENSEN	DEN	2010	2:32.81	STEPHANIE STONE	USA	2013
9:44.72	AMY DANTZLER	USA	2009	200 M. BRST				400 M. I.M.			
9:45.34	ELLEN REYNOLDS	USA	2011	2:37.19	MARZENA KULIS	ITA	2009	5:00.29	K.PIPES-NEILSEN	FRA	2009
1500 M. FREE				2:38.00	S.VON DER LIPPE	USA	2010	5:17.29	ELLEN REYNOLDS	USA	2011
17:46.32	LYNN MARSHALL	CAN	2007								



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5:19.13	LYNN MARSHALL	CAN	2006	10:04.56	JENNY COOK	USA	2008	200 M. BRST			
5:19.58	VIBEKE SWANSON	USA	2006	1500 M. FREE				2:48.69	JENNY WHITELEY	AUS	2009
5:23.26	STEPHANIE STONE	USA	2013	17:49.23	LYNN MARSHALL	CAN	2013	2:49.05	MONICA CORO	ITA	2013
5:27.12	LISA WARD	USA	2009	17:51.33	S.HEIM-BOWEN	USA	2009	2:52.03	KATE SORENSEN	DEN	2011
5:27.52	ANGELA DELISSEN	GER	2012	18:38.58	JEANNE CARLSEN	CAN	2009	2:52.59	KIM CROUCH	USA	2013
5:27.76	ANETTE PHILIPSSON	SWE	2013	18:52.34	ENEY JONES	USA	2011	2:52.84	CYNTHIA PINCOTT	CAN	2012
5:28.73	REBECCA PERROTT	NZL	2009	18:56.50	K.PALACE	USA	2011	2:55.96	UTE HASSE	ESP	2013
5:28.91	JENNY WHITELEY	AUS	2003	18:59.17	LAURA VAL	USA	2002	2:57.11	JENNY COOK	USA	2008
				19:04.24	JENNY WHITELEY	AUS	2008	2:57.15	JUDITH HATTLE	GBR	2010
*****				19:10.69	KATHERINE BRANCH	USA	2007	2:57.30	COKIE LEPINSKI	USA	2009
*****				19:12.30	CECILLA STANFORD	RSA	2011	2:57.49	ULRIKE URBANIAK	GER	2003
*****				19:13.68	BARBARA GELLRICH	GER	2013	50 M. FLY			
*****								29.25	LESLIE LIVINGSTON	USA	2013
50 M. FREE				50 M. BACK				30.38	ANGELA ZINGLER	GER	2005
27.81	SARAH MACDONALD	CAN	2011	30.58	LESLIE LIVINGSTON	USA	2011	30.56	MARY ESTABROOK	USA	2011
27.91	LESLIE LIVINGSTON	USA	2012	32.13	K.ANDRUS-HUGHES	USA	2008	30.60	TRACI GRANGER	USA	2008
28.00	HAYLEY BETTINSON	GBR	2013	32.35	K PIPES-NEILSEN	FRA	2012	30.62	HARUMI SUGINUMA	JPN	2009
28.00	JENNY WHITELEY	AUS	2009	32.55	J SWAGERTY-HILL	USA	2002	30.72	HAYLEY BETTINSON	GBR	2013
28.11	S.HEIM-BOWEN	USA	2009	32.65	AROMA MARTORELL	BRA	2009	30.85	SARAH MACDONALD	CAN	2010
28.24	LIZ HOBBS	CAN	2011	32.72	LAURA VAL	USA	2005	30.88	JENNY WHITELEY	AUS	2008
28.43	G.TALOCHINO	FRA	2006	33.12	ANN KOURI	CAN	2011	31.08	LISA DAHL	USA	2011
28.44	CAROLYN VOORHEES	USA	2012	33.21	UTE ROMBERG	GER	2011	31.10	CAROLYN VOORHEES	USA	2011
28.46	MARIA NORBERG	SWE	2013	33.27	SARAH MACDONALD	CAN	2011	31.10	JUDITH HATTLE	GBR	2010
28.50	BARBARA GELLRICH	GER	2011	33.29	L.PELT-DILLER	USA	2009	100 M. FLY			
100 M. FREE				100 M. BACK				1:06.92	K PIPES-NEILSEN	FRA	2012
1:01.49	LAURA VAL	USA	2001	1:08.12	K PIPES-NEILSEN	FRA	2012	1:08.50	JUDITH HATTLE	GBR	2010
1:01.64	JENNY WHITELEY	AUS	2009	1:08.85	LESLIE LIVINGSTON	USA	2012	1:08.62	ANDREA BLOCK	USA	2011
1:01.81	SARAH MACDONALD	CAN	2011	1:10.21	LYNN MARSHALL	CAN	2011	1:08.91	JILL HERNANDEZ	USA	2013
1:01.90	JILL HERNANDEZ	USA	2013	1:10.35	K.ANDRUS-HUGHES	USA	2007	1:09.05	LAURA VAL	USA	2001
1:01.90	K PIPES-NEILSEN	FRA	2012	1:10.51	L.PELT-DILLER	USA	2008	1:09.38	LESLIE LIVINGSTON	USA	2012
1:01.96	BARBARA GELLRICH	GER	2011	1:11.33	ANN KOURI	CAN	2011	1:09.54	LYNN MARSHALL	CAN	2012
1:02.29	S.HEIM-BOWEN	USA	2009	1:12.04	LISA DIXON-WELLS	CAN	2011	1:09.94	JENNY WHITELEY	AUS	2008
1:02.75	LYNN MARSHALL	CAN	2011	1:12.19	BONNIE BILICH	USA	2009	1:09.94	TRACI GRANGER	USA	2008
1:03.03	MA CARMEN NAVARRO	ESP	2011	1:12.20	VIBEKE SWANSON	USA	2012	1:10.21	SHIZUKO HIRAISHI	JPN	2012
1:03.21	CHRISTINE PORTER	GBR	2010	1:12.22	UTE ROMBERG	GER	2011	200 M. FLY			
1:03.21	G.TALOCHINO	FRA	2006	200 M. BACK				2:28.08	LYNN MARSHALL	CAN	2011
200 M. FREE				2:25.94	LYNN MARSHALL	CAN	2011	2:32.29	KARLYN PIPES	USA	2012
2:10.72	S.HEIM-BOWEN	USA	2009	2:26.85	K PIPES-NEILSEN	FRA	2012	2:33.93	ANDREA BLOCK	USA	2011
2:12.80	JILL HERNANDEZ	USA	2013	2:32.48	NAOKO SHIDE	JPN	2010	2:34.79	JUDITH HATTLE	GBR	2010
2:13.21	LYNN MARSHALL	CAN	2011	2:34.24	AHELEE SUE OSBORN	USA	2009	2:35.36	JILL HERNANDEZ	USA	2013
2:13.58	K.PIPES-NEILSEN	USA	2012	2:34.69	L.PELT-DILLER	USA	2008	2:38.19	JENNY WHITELEY	AUS	2009
2:14.49	JENNY WHITELEY	AUS	2009	2:35.02	BRIGID BUNCH	USA	2013	2:38.43	S.HEIM-BOWEN	USA	2009
2:14.66	LAURA VAL	USA	2003	2:35.02	BONNIE BILICH	USA	2010	2:38.73	JENNY COOK	USA	2008
2:14.88	BARBARA GELLRICH	GER	2011	2:35.86	CATHY SHEEHAN	CAN	2010	2:38.99	RIEKO SHOJI	JPN	2010
2:16.12	ENEY JONES	USA	2011	2:37.44	UTE ROMBERG	GER	2011	2:39.03	L.GIANNOCCARO	CAN	2012
2:17.99	K.PALACE	USA	2011	2:37.89	C.TARANTINO	ITA	2005	100 M. I.M.			
2:17.99	JENNY COOK	USA	2008	50 M. BRST				1:08.28	K PIPES-NEILSEN	FRA	2012
400 M. FREE				33.96	MONICA CORO	ITA	2013	1:09.22	JENNY WHITELEY	AUS	2009
4:34.81	LYNN MARSHALL	CAN	2011	35.08	JENNY WHITELEY	AUS	2009	1:09.97	SARAH MACDONALD	CAN	2011
4:35.54	S.HEIM-BOWEN	USA	2009	35.12	UTE HASSE	ESP	2013	1:11.55	SHIZUKO HIRAISHI	JPN	2012
4:35.80	JILL HERNANDEZ	USA	2013	35.88	SARAH MACDONALD	CAN	2011	1:11.56	CECILLA STANFORD	RSA	2011
4:43.61	JENNY WHITELEY	AUS	2008	36.32	MAGGIE KELLY	GBR	2006	1:11.67	AHELEE SUE OSBORN	USA	2009
4:45.72	LAURA VAL	USA	2003	36.51	KATE SORENSEN	DEN	2011	1:11.99	LESLIE LIVINGSTON	USA	2011
4:46.36	BARBARA GELLRICH	GER	2011	36.55	ALBENA POPOVA	ITA	2012	1:12.27	LISA DIXON-WELLS	CAN	2011
4:46.96	K.PALACE	USA	2011	36.65	DAGMAR HILBIG	GER	2010	1:12.34	JENNY COOK	USA	2008
4:48.68	JEANNE CARLSEN	CAN	2009	36.69	CHRISTIANE HEEREN	GER	1999	1:12.50	LAURA VAL	USA	2003
4:49.23	ENEY JONES	USA	2011	36.71	KIM CROUCH	USA	2013	200 M. I.M.			
4:50.23	MARGEE CURRAN	USA	2011	100 M. BRST				2:30.63	KARLYN PIPES	USA	2012
800 M. FREE				1:15.22	MONICA CORO	ITA	2013	2:30.98	JENNY WHITELEY	AUS	2009
9:23.45	LYNN MARSHALL	CAN	2011	1:16.49	JENNY WHITELEY	AUS	2009	2:31.96	JILL HERNANDEZ	USA	2013
9:29.62	S.HEIM-BOWEN	USA	2009	1:16.74	UTE HASSE	ESP	2013	2:33.09	LYNN MARSHALL	CAN	2011
9:30.83	JILL HERNANDEZ	USA	2013	1:18.13	KATE SORENSEN	DEN	2011	2:34.03	CECILLA STANFORD	RSA	2011
9:45.13	BARBARA GELLRICH	GER	2012	1:19.45	SARAH MACDONALD	CAN	2013	2:35.35	BARBARA GELLRICH	GER	2012
9:47.94	K.PALACE	USA	2011	1:20.22	DAGMAR HILBIG	GER	2010	2:35.86	JENNY COOK	USA	2008
9:49.92	JEANNE CARLSEN	CAN	2009	1:20.65	KIM CROUCH	USA	2013	2:36.59	NAOKO SHIDE	JPN	2010
9:50.53	LAURA VAL	USA	2003	1:20.72	JENNY COOK	USA	2008	2:36.88	AHELEE SUE OSBORN	USA	2009
9:51.80	MARGEE CURRAN	USA	2011	1:20.81	MARJA BLOEMZAAD	NED	2013	2:37.42	JUDITH HATTLE	GBR	2010
10:00.50	DYMPHNA MORRIS	IRL	2013	1:21.27	CYNTHIA PINCOTT	CAN	2012				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2013)

400 M. I.M.			10:28.00 C.TARANTINO	ITA 2011	1:25.30 RICHIKO SEKISHITA	JPN 2012
5:14.65 LYNN MARSHALL	CAN 2011	10:28.88 JENNY WHITELEY	AUS 2013	1:25.58 BETH ESTEL	USA 2012	
5:31.20 NAOKO SHIDE	JPN 2010	10:30.10 STACEY WARMUTH	USA 2011	1:25.63 YVONNE CATTRALL	CAN 2005	
5:32.60 JENNY WHITELEY	AUS 2008	1500 M. FREE		200 M. BRST		
5:34.22 RIEKO SHOJI	JPN 2010	18:43.73 LAURA VAL	USA 2010	2:55.48 JENNY WHITELEY	AUS 2013	
5:35.42 JUDITH HATTLE	GBR 2012	19:24.70 BARBARA DUNBAR	USA 2004	2:59.34 COLETTE CRABBE	BEL 2012	
5:35.90 BARBARA GELLRICH	GER 2012	19:27.93 JEANNE CARLSEN	CAN 2013	3:02.33 AMANDA HEATH	GBR 2013	
5:36.28 LAURA VAL	USA 2002	19:34.48 N.STEADMAN-MARTIN	USA 2009	3:02.37 CATHERINE KOHN	USA 2009	
5:36.89 CECILLA STANFORD	RSA 2011	19:44.94 JENNY WHITELEY	AUS 2013	3:03.02 KEIKO UTSUMI	JPN 2011	
5:37.20 JEANNE CARLSEN	CAN 2009	19:45.99 CHRISTIE CIRAULO	USA 2008	3:03.89 NANCY MARCHAND	FRA 2013	
5:40.91 REBECCA PERROTT	NZL 2012	19:47.98 S.LOFTUS-CHARLEY	USA 2010	3:05.26 ULRIKE URBANIAK	GER 2008	
		19:55.78 C.TARANTINO	ITA 2011	3:05.87 FRANCES PENWARDEN	GBR 2010	
*****		20:06.45 MARY SWEAT	USA 2013	3:06.41 JENNIFER MERRITT	GBR 2006	
WOMEN 55-59		20:30.67 COLETTE CRABBE	BEL 2013	3:06.68 KAREN MAREB	USA 2013	
*****		50 M. BACK		50 M. FLY		
50 M. FREE		32.62 LAURA VAL	USA 2009	31.13 TRACI GRANGER	USA 2013	
28.49 LAURA VAL	USA 2009	33.56 K.ANDRUS-HUGHES	USA 2012	31.13 LAURA VAL	USA 2009	
28.58 JACKI HIRSTY	USA 2009	34.25 JENNY WHITELEY	AUS 2013	31.72 HARUMI SUGINUMA	JPN 2012	
28.77 JENNY WHITELEY	AUS 2013	34.76 BENEDICTE DUPREZ	FRA 2007	31.92 JUDY WILSON	GBR 2000	
29.05 PAT SARGEANT	USA 2008	34.89 AROMA MARTORELL	BRA 2013	32.12 JENNY WHITELEY	AUS 2013	
29.16 REGULA STEIGER	SUI 2008	35.00 DEBORAH BARTON	GBR 2004	32.76 PAT SARGEANT	USA 2011	
29.32 K.ANDRUS-HUGHES	USA 2012	35.16 KAYO MIZUI	JPN 2013	32.93 CHRISTIE CIRAULO	USA 2008	
29.46 LYNN MORRISON	USA 2009	35.27 LIZ COSGRAVE	IRL 2013	33.15 CONNY BOER-BUYS	NED 2009	
29.57 BARBARA JONES	USA 2011	35.37 REBECCA JENKINSON	GBR 2012	33.19 GAIL AMUNDRUD	CAN 2012	
29.59 ALYSON FORDHAM	GBR 2011	35.38 MINDY DOUGHERTY	USA 2009	33.28 STACEY WARMUTH	USA 2011	
29.59 HEATHER CAMPBELL	NZL 2008	100 M. BACK		100 M. FLY		
100 M. FREE		1:12.23 LAURA VAL	USA 2008	1:09.23 LAURA VAL	USA 2009	
1:01.33 LAURA VAL	USA 2009	1:13.49 K.ANDRUS-HUGHES	USA 2012	1:11.65 TRACI GRANGER	USA 2013	
1:02.75 HEATHER CAMPBELL	NZL 2008	1:15.93 STACEY WARMUTH	USA 2011	1:12.97 HARUMI SUGINUMA	JPN 2012	
1:04.60 VERONICA HIBBEN	USA 2013	1:16.25 BENEDICTE DUPREZ	FRA 2007	1:12.99 JUDY WILSON	GBR 2001	
1:04.77 PAT SARGEANT	USA 2008	1:16.26 EVIE LYNCH	USA 2009	1:14.68 PAT SARGEANT	USA 2008	
1:04.97 GAIL AMUNDRUD	CAN 2013	1:16.40 GAIL AMUNDRUD	CAN 2013	1:15.14 COLETTE CRABBE	USA 2011	
1:05.09 K.ANDRUS-HUGHES	USA 2012	1:16.81 JENNY WHITELEY	AUS 2013	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 CONNY BOER-BUYS	NED 2009	1:18.18 LIZ COSGRAVE	IRL 2013	1:16.31 BARBARA DUNBAR	USA 2004	
1:06.49 GUNILLA RASMUSON	SWE 2012	200 M. BACK		200 M. FLY		
200 M. FREE		2:40.05 LAURA VAL	USA 2008	2:31.13 LAURA VAL	USA 2008	
2:14.45 LAURA VAL	USA 2009	2:41.83 K.ANDRUS-HUGHES	USA 2012	2:47.18 BARBARA DUNBAR	USA 2004	
2:19.51 JENNY WHITELEY	AUS 2013	2:43.47 MINDY DOUGHERTY	USA 2009	2:47.63 HARUMI SUGINUMA	JPN 2013	
2:23.28 N.STEADMAN-MARTIN	USA 2009	2:44.55 N.STEADMAN-MARTIN	USA 2009	2:47.74 TRACI GRANGER	USA 2013	
2:23.85 GAIL AMUNDRUD	CAN 2013	2:46.19 STACEY WARMUTH	USA 2012	2:47.89 N.STEADMAN-MARTIN	USA 2009	
2:23.98 PAT SARGEANT	USA 2008	2:46.73 KAREN EINSIDLER	USA 2011	2:50.34 COLETTE CRABBE	BEL 2013	
2:24.63 STACEY WARMUTH	USA 2011	2:47.09 BENEDICTE DUPREZ	FRA 2006	2:53.92 JUDY WILSON	GBR 2001	
2:24.67 JACKI HIRSTY	USA 2009	2:47.24 SUSANNA SORDELLI	ITA 2013	2:54.09 MATHILDE VINK	NED 2013	
2:25.26 JEANNE CARLSEN	CAN 2013	2:47.77 DIANE COETZEE	RSA 2013	2:54.99 JEANNE LAPPIN	USA 2013	
2:25.43 SUSANNA SORDELLI	ITA 2013	2:48.07 JENNY WHITELEY	AUS 2013	2:55.05 ARDETH MUELLER	USA 1996	
2:25.54 K.ANDRUS-HUGHES	USA 2012	50 M. BRST		100 M. I.M.		
400 M. FREE		36.29 JENNY WHITELEY	AUS 2013	1:10.66 JENNY WHITELEY	AUS 2013	
4:42.97 LAURA VAL	USA 2009	37.56 DAGMAR FRESE	GER 2012	1:12.90 LAURA VAL	USA 2009	
4:53.27 N.STEADMAN-MARTIN	USA 2009	37.58 ALISON NYE	GBR 2012	1:14.31 COLETTE CRABBE	BEL 2013	
5:00.58 JEANNE CARLSEN	CAN 2013	38.32 JAN WICKS	AUS 2001	1:15.06 HEATHER CAMPBELL	NZL 2008	
5:01.53 BARBARA DUNBAR	USA 2004	38.33 REGULA STEIGER	SUI 2009	1:15.91 K.ANDRUS-HUGHES	USA 2012	
5:01.68 STACEY WARMUTH	USA 2011	38.53 MARGARET KELLY	GBR 2012	1:16.07 STACEY WARMUTH	USA 2011	
5:03.63 SUSANNA SORDELLI	ITA 2013	38.62 BETH ESTEL	USA 2012	1:16.41 JENNY COOK	USA 2013	
5:04.60 JACKI HIRSTY	USA 2008	38.63 MONIKA SENFTLEBEN	GER 1998	1:16.55 JACKI HIRSTY	USA 2009	
5:05.41 KATHERINE BRANCH	USA 2012	38.73 YVONNE CATTRALL	CAN 2005	1:16.88 ALYSON FORDHAM	GBR 2012	
5:05.56 CHRISTIE CIRAULO	USA 2008	38.79 AVILA RHODES	CAN 2013	1:17.41 R.SWICZINSKY-KORD	GER 2013	
5:05.80 C.TARANTINO	ITA 2010	38.79 COLETTE CRABBE	BEL 2012	200 M. I.M.		
800 M. FREE		100 M. BRST		2:36.98 LAURA VAL	USA 2009	
9:51.35 LAURA VAL	USA 2009	1:18.45 JENNY WHITELEY	AUS 2013	2:37.71 JENNY WHITELEY	AUS 2013	
10:12.79 JEANNE CARLSEN	CAN 2013	1:23.69 DAGMAR FRESE	GER 2011	2:44.50 COLETTE CRABBE	BEL 2012	
10:17.86 BARBARA DUNBAR	USA 2004	1:24.43 JENNY COOK	USA 2013	2:46.20 STACEY WARMUTH	USA 2012	
10:19.39 KATHERINE BRANCH	USA 2012	1:24.47 COLETTE CRABBE	BEL 2012	2:46.45 HEATHER CAMPBELL	NZL 2008	
10:20.12 CHRISTIE CIRAULO	USA 2008	1:25.08 AVILA RHODES	CAN 2013	2:47.12 JEANNE CARLSEN	CAN 2013	
10:20.65 N.STEADMAN-MARTIN	USA 2009	1:25.17 KAREN MAREB	USA 2013	2:47.24 HARUMI SUGINUMA	JPN 2012	
10:26.13 LAURA VACA	MEX 2009	1:25.18 REGULA STEIGER	SUI 2009	2:47.90 PAT SARGEANT	USA 2008	



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2013)

2:49.08	SUSANNA SORDELLI	ITA	2011	11:13.35	CONNY BOER-BUYS	NED	2010	1:29.34	KRISSY MACCUDY	USA	2012
2:50.09	JENNY COOK	USA	2013	11:18.60	YOSHIKO OSAKI	JPN	2000	1:29.68	MONIKA SENFTLEBEN	GER	2002
400 M. I.M.				11:24.28	ARDETH MUELLER	USA	2004	1:29.95	N SOYRIS MACAIRE	FRA	2012
5:39.30	LAURA VAL	USA	2009	11:24.51	CATHY MERRITT	CAN	2012	1:30.00	REGULA STEIGER	SUI	2012
5:47.01	N.STEADMAN-MARTIN	USA	2009	11:29.10	ROSARIO VIVANCO	PER	2009	200 M. BRST			
5:50.58	JEANNE CARLSEN	CAN	2013	1500 M. FREE				3:06.48	BONNIE PRONK	CAN	2002
5:51.97	COLETTE CRABBE	BEL	2013	19:38.63	LAURA VAL	USA	2011	3:07.44	HANNELORE ROSE	GER	2002
5:55.84	STACEY WARMUTH	USA	2011	19:59.92	S.LOFTUS-CHARLEY	USA	2011	3:10.48	JANETTE JEFFREY	AUS	2012
5:58.09	S.LOFTUS-CHARLEY	USA	2010	20:46.72	BARBARA DUNBAR	USA	2009	3:13.51	ULRIKE URBANIAK	GER	2013
5:59.13	JENNY COOK	USA	2013	21:29.00	SUSAN HAIGH	GBR	2013	3:13.55	DEB WALKER	USA	2011
6:00.23	SUSANNA SORDELLI	ITA	2011	21:33.34	JACKIE MARR	USA	2003	3:14.17	JENNIFER MERRITT	GBR	2013
6:02.50	EDIE FISHER	CAN	2012	21:37.44	CONNY BOER-BUYS	NED	2010	3:15.75	KRISSY MACCUDY	USA	2012
6:02.53	PAT SARGEANT	USA	2008	21:50.48	HEIDI ERNST	USA	2013	3:17.73	S.LOFTUS-CHARLEY	USA	2011
*****				21:59.83	YOSHIKO OSAKI	JPN	1998	3:17.98	N SOYRIS MACAIRE	FRA	2012
*****				22:01.94	DANIELLE OGIER	USA	2012	3:18.15	DIANE FORD	GBR	2005
*****				22:06.71	ANN CAMPBELL	AUS	2009	50 M. FLY			
*****				50 M. BACK				31.34	CAROL BOAGEY	GBR	2013
50 M. FREE				33.01	LAURA VAL	USA	2013	32.42	LAURA VAL	USA	2013
29.23	LAURA VAL	USA	2013	35.78	BENEDICTE DUPREZ	FRA	2012	32.93	CHARLOTTE DAVIS	USA	2011
29.90	ISABELLA RICCA	ITA	2012	36.02	DIANN UUSTAL	USA	2010	33.38	JUDY WILSON	GBR	2004
30.01	CHARLOTTE DAVIS	USA	2010	36.16	RACHEL BARTON	GBR	2008	34.32	CHRISTIE CIRAULO	USA	2013
30.07	JACKI HIRSTY	USA	2013	36.17	LYNETTE STEVENSON	AUS	2009	34.47	RUTH SHAPS	USA	2008
30.70	LYNETTE STEVENSON	AUS	2009	36.38	SATOKO TAKEUJI	JPN	2002	34.57	CONNY BOER-BUYS	NED	2010
30.76	CONNY BOER-BUYS	NED	2010	36.42	MARGIT OHLSSON	SWE	2005	34.58	DIANN UUSTAL	USA	2010
30.83	REGULA STEIGER	SUI	2012	36.92	MARGARET WILDING	GBR	2000	34.74	RACHEL BARTON	GBR	2009
30.93	YOSHIKO KADOSAKA	JPN	2009	36.99	SILVANA ABREU	BRA	2003	35.00	JANIE COLE	USA	2013
30.97	CATHY MERRITT	CAN	2012	37.03	K.TUNNICLIFFE	GBR	2012	100 M. FLY			
31.03	SANDERINA KRUGER	RSA	2011	100 M. BACK				1:11.47	LAURA VAL	USA	2013
100 M. FREE				1:12.72	LAURA VAL	USA	2013	1:15.40	CHARLOTTE DAVIS	USA	2011
1:03.84	LAURA VAL	USA	2013	1:18.60	BENEDICTE DUPREZ	FRA	2013	1:16.41	JUDY WILSON	GBR	2004
1:06.58	CHARLOTTE DAVIS	USA	2010	1:18.69	DIANN UUSTAL	USA	2010	1:19.38	BARBARA DUNBAR	USA	2009
1:07.56	JACKI HIRSTY	USA	2013	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	1:24.48	M.NEUMEISTER	GER	2013
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
200 M. FREE				2:41.71	LAURA VAL	USA	2012	3:00.31	BARBARA DUNBAR	USA	2009
2:20.16	LAURA VAL	USA	2011	2:48.59	BENEDICTE DUPREZ	FRA	2013	3:05.20	YOSHIKO OSAKI	JPN	2000
2:30.15	JACKI HIRSTY	USA	2013	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	3:08.44	M.NEUMEISTER	GER	2013
2:32.35	CATHY MERRITT	CAN	2012	2:58.33	MARGIT OHLSSON	SWE	2007	3:11.14	SUSAN HAIGH	GBR	2013
2:32.48	ROSARIO VIVANCO	PER	2009	2:58.62	DIANN UUSTAL	USA	2010	3:13.71	ARDETH MUELLER	USA	2004
2:33.82	BARBARA DUNBAR	USA	2009	3:00.78	S.LOFTUS-CHARLEY	USA	2012	3:17.45	RITSUKO KUROSAWA	JPN	2009
2:34.12	SUSAN HAIGH	GBR	2013	3:01.08	TAKAKO NAKAHARA	JPN	2009	3:18.64	SARAH WELCH	USA	2008
2:35.20	MARGARETA RAINER	SWE	2009	3:01.86	JACKIE MARR	USA	2003	100 M. I.M.			
2:35.87	SANDERINA KRUGER	RSA	2010	50 M. BRST				1:15.07	LAURA VAL	USA	2013
400 M. FREE				38.60	MONIKA SENFTLEBEN	GER	2002	1:17.48	CHARLOTTE DAVIS	USA	2010
4:53.24	LAURA VAL	USA	2013	38.97	BONNIE PRONK	CAN	2002	1:19.09	BRIGITTE MERTEN	GER	2006
5:17.88	S.LOFTUS-CHARLEY	USA	2011	39.60	DEB WALKER	USA	2011	1:19.86	DIANN UUSTAL	USA	2010
5:21.86	SUSAN HAIGH	GBR	2013	39.77	JAN WICKS	AUS	2006	1:20.50	CATHY MERRITT	CAN	2013
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
5:25.86	CHRISTIE CIRAULO	USA	2013	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				2:41.53	LAURA VAL	USA	2013
800 M. FREE				1:26.43	HANNELORE ROSE	GER	2002	2:48.33	CHARLOTTE DAVIS	USA	2010
10:21.68	LAURA VAL	USA	2011	1:26.56	BONNIE PRONK	CAN	2002	2:52.64	S.LOFTUS-CHARLEY	USA	2011
10:39.12	S.LOFTUS-CHARLEY	USA	2011	1:27.07	DEB WALKER	USA	2011	2:54.07	CAROLE BATES	GBR	1998
10:57.78	CHRISTIE CIRAULO	USA	2013	1:28.79	NOBUKO YASUDA	JPN	2009	2:55.72	BONNIE PRONK	CAN	2002
10:58.58	BARBARA DUNBAR	USA	2009	1:28.97	ULRIKE URBANIAK	GER	2013	2:56.50	BRIGITTE MERTEN	GER	2009
11:09.72	SUSAN HAIGH	GBR	2012	1:29.10	JENNIFER MERRITT	GBR	2012	2:57.32	CATHY MERRITT	CAN	2012



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2:57.46	HARRIET BERGER	GER	2004	12:06.10	MARCIA BARRY	USA	2013	1:33.89	LUISE KNOPFLE	GER	2004
2:58.28	BARBARA DUNBAR	USA	2009	12:11.52	LINDA SHOENBERGER	USA	2012	1:34.50	MASAYO AZUMA	JPN	2000
2:59.95	YOSHIKO OSAKI	JPN	1998	12:15.14	HANNELORE ROSE	GER	2008	1:34.98	TAMAE FURUYA	JPN	2012
400 M. I.M.				12:20.68	LAVELLE STOINOFF	USA	2002	1:35.93	ANNEROSE TROBISCH	GER	2012
5:51.81	LAURA VAL	USA	2011	12:20.70	JAN CROFT	AUS	2009	1:36.24	SHOKO YONEZAWA	JPN	2001
5:57.70	CHARLOTTE DAVIS	USA	2010	12:26.85	JANE ASHER	GBR	1999	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	22:58.42	MARCIA BARRY	USA	2013	3:24.31	MASAYO AZUMA	JPN	2000
6:27.78	SUSAN HAIGH	GBR	2012	22:59.28	SUZANNE DILLS	USA	2010	3:26.40	FLORA CONNOLLY	GBR	2000
6:28.22	YOSHIKO OSAKI	JPN	1999	23:33.96	LINDA ASHMORE	GBR	2011	3:26.55	YOSHIKO OSAKI	JPN	2004
*****				23:38.44	CLARA WALKER	USA	1992	3:29.02	LOTTE MULLER	GER	1999
				23:44.34	JANE ASHER	GBR	1996	3:29.93	ELIANE PELLIS	BEL	1998
				23:51.67	JOANNE MENARD	USA	2013	50 M. FLY			
WOMEN 65-69				50 M. BACK				34.53	DIANN UUSTAL	USA	2013
*****				35.58	DIANN UUSTAL	USA	2011	36.36	CHRISTEL SCHULZ	GER	2005
50 M. FREE				36.58	MARGIT OHLSSON	SWE	2010	36.66	JUDY WILSON	FRA	2010
31.82	LYNETTE STEVENSON	AUS	2011	36.85	CLARY MUNNS	AUS	2009	36.71	MICHIE DOI	JPN	2009
31.91	HEIDE LORBERG	GER	2004	37.47	SILVANA ABREU	BRA	2006	36.79	KIRA MAKAROVA	RUS	2013
32.06	DIANN UUSTAL	USA	2011	37.63	SATOKO TAKEUJI	JPN	2007	36.79	YOSHIKO OSAKI	JPN	2003
32.25	SUSIE WHITE	USA	2013	37.70	RACHEL BARTON	GBR	2013	36.91	BRIGITTE MERTEN	GER	2013
32.25	CHRISTEL SCHULZ	GER	2005	38.08	LYNETTE STEVENSON	AUS	2011	36.96	RACHEL BARTON	GBR	2013
32.40	CLARY MUNNS	AUS	2009	38.25	PAM HUTCHINGS	AUS	2001	37.31	A SUSAN TYLER	USA	2013
32.43	RACHEL BARTON	GBR	2013	38.91	B.AXLING	SWE	2011	37.31	LYNETTE STEVENSON	AUS	2011
32.53	STELLA HOLDSHTEN	ISR	2012	39.11	BONNIE PRONK	CAN	2007	100 M. FLY			
32.62	BITTE AXLING	SWE	2013	100 M. BACK				1:23.41	BRIGITTE MERTEN	GER	2011
32.77	PAM HUTCHINGS	AUS	2002	1:17.95	DIANN UUSTAL	USA	2011	1:23.61	JUDY WILSON	FRA	2010
100 M. FREE				1:18.81	MARGIT OHLSSON	SWE	2011	1:24.98	KIRA MAKAROVA	RUS	2012
1:10.76	DIANN UUSTAL	USA	2011	1:22.17	CLARY MUNNS	AUS	2009	1:25.28	YOSHIKO OSAKI	JPN	2003
1:10.97	CHRISTEL SCHULZ	GER	2005	1:25.00	BONNIE PRONK	CAN	2007	1:25.67	CAROLYN BOAK	USA	2010
1:12.05	RACHEL BARTON	GBR	2013	1:25.53	PAM HUTCHINGS	AUS	2001	1:27.32	DIANN UUSTAL	USA	2013
1:12.99	F.WILLIAMSON	USA	2013	1:25.61	SILVANA ABREU	BRA	2006	1:29.13	CHRISTEL SCHULZ	GER	2006
1:13.48	YOSHIKO OSAKI	JPN	2004	1:25.63	RACHEL BARTON	GBR	2013	1:29.85	CLARY MUNNS	AUS	2009
1:13.59	RUTH SHAPS	USA	2012	1:26.66	E.KETELSEN	DEN	2008	1:31.00	MARGOT PETTIJOHN	USA	2011
1:14.35	JEN THOMASSON	AUS	2010	1:26.77	JULIE GUNTHERP	NZL	2012	1:31.92	HELGA REICH	GER	2001
1:14.67	JACKIE MARR	USA	2008	1:26.96	BETSY JORDAN	USA	2002	200 M. FLY			
1:14.76	AIDA DAVIS	PER	2013	200 M. BACK				3:15.63	CAROLYN BOAK	USA	2012
1:14.78	KIRA MAKAROVA	RUS	2013	2:53.36	DIANN UUSTAL	USA	2011	3:17.36	YOSHIKO OSAKI	JPN	2003
200 M. FREE				2:55.02	MARGIT OHLSSON	SWE	2011	3:17.86	KIRA MAKAROVA	RUS	2012
2:38.60	DIANN UUSTAL	USA	2012	3:01.88	BONNIE PRONK	CAN	2007	3:28.93	HELGA REICH	GER	2002
2:39.77	CAROLYN BOAK	USA	2010	3:04.05	CLARY MUNNS	AUS	2011	3:29.98	SILVANA ABREU	BRA	2006
2:41.90	F.WILLIAMSON	USA	2013	3:08.42	CHRISTEL SCHULZ	GER	2006	3:31.98	FLORA CONNOLLY	GBR	1999
2:42.05	YOSHIKO OSAKI	JPN	2004	3:08.61	PAM HUTCHINGS	AUS	2001	3:32.18	PATRICIA JACKSON	GBR	2012
2:42.08	JACKIE MARR	USA	2008	3:09.52	NORIKO YOSHIDA	JPN	2009	3:32.93	JUNE KRAUSER	USA	1995
2:43.65	JEN THOMASSON	AUS	2010	3:10.14	JULIE GUNTHERP	NZL	2012	3:33.33	CLARY MUNNS	AUS	2010
2:44.02	CHRISTEL SCHULZ	GER	2005	3:11.23	JACKIE MARR	USA	2008	3:33.38	JUDIE OLIVER	CAN	1997
2:44.62	SUSIE WHITE	USA	2013	3:11.32	E.KETELSEN	DEN	2008	100 M. I.M.			
2:45.06	SUZANNE DILLS	USA	2010	50 M. BRST				1:20.86	DIANN UUSTAL	USA	2011
2:46.07	RACHEL BARTON	GBR	2013	40.90	NOBUKO YASUDA	JPN	2010	1:21.89	BRIGITTE MERTEN	GER	2011
400 M. FREE				41.40	BONNIE PRONK	CAN	2009	1:22.53	CLARY MUNNS	AUS	2009
5:35.53	CAROLYN BOAK	USA	2010	41.53	MONIKA SENFTLEBEN	GER	2008	1:23.71	KIRA MAKAROVA	RUS	2013
5:44.29	JACKIE MARR	USA	2008	42.02	DIANN UUSTAL	USA	2011	1:24.08	MARGIT OHLSSON	SWE	2011
5:46.47	SUZANNE DILLS	USA	2010	42.32	BRIGITTE MERTEN	GER	2011	1:24.45	NOBUKO YASUDA	JPN	2010
5:46.94	YOSHIKO OSAKI	JPN	2003	42.35	JOANN LEILICH	USA	2005	1:24.71	CAROLYN BOAK	USA	2010
5:48.14	JEN THOMASSON	AUS	2010	42.38	FMMA GIER	GER	2012	1:24.95	YOSHIKO OSAKI	JPN	2005
5:51.17	F.WILLIAMSON	USA	2013	42.43	ANNEROSE TROBISCH	GER	2012	1:25.00	CHRISTEL SCHULZ	GER	2005
5:52.51	RACHEL BARTON	GBR	2013	42.46	DIANE FORD	GBR	2009	1:25.58	M.BIANCA	ITA	2013
5:56.24	CHRISTEL SCHULZ	GER	2006	42.83	KAYAKO HIROSE	JPN	2012	200 M. I.M.			
5:56.44	MARCIA BARRY	USA	2013	100 M. BRST				3:02.58	BRIGITTE MERTEN	GER	2011
5:58.95	DIANN UUSTAL	USA	2011	1:28.73	NOBUKO YASUDA	JPN	2010	3:04.22	CAROLYN BOAK	USA	2010
800 M. FREE				1:31.87	BONNIE PRONK	CAN	2007	3:04.40	CLARY MUNNS	AUS	2012
11:24.13	JEN THOMASSON	AUS	2008	1:32.05	DIANE FORD	GBR	2008	3:05.72	NOBUKO YASUDA	JPN	2010
11:40.70	JACKIE MARR	USA	2008	1:32.37	JOANN LEILICH	USA	2004	3:06.04	KIRA MAKAROVA	RUS	2013
11:49.70	YOSHIKO OSAKI	JPN	2003	1:33.03	HANNELORE ROSE	GER	2007	3:06.34	DIANN UUSTAL	USA	2013
12:05.33	CAROLYN BOAK	USA	2013								



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3:06.37	YOSHIKO OSAKI	JPN	2004	13:03.64	HELGA REICH	GER	2006	1:37.11	LUISE KNOPFLE	GER	2009
3:06.64	CHRISTEL SCHULZ	GER	2008	13:07.28	JUNE KRAUSER	USA	1996	1:37.20	JOANN LEILICH	USA	2009
3:10.11	HANNELORE ROSE	GER	2007	13:20.64	JILL COMPLIN	GBR	2012	1:41.38	TAYO FUJIEDA	JPN	2007
3:10.12	BONNIE PRONK	CAN	2007	13:23.18	HISAKO SATO	JPN	2006	1:41.98	KUMIE TOKUDA	JPN	2008
400 M. I.M.				13:23.92	PENNY WEBSTER	GBR	2012	1:42.16	MONIKA SENFTLEBEN	GER	2012
6:31.71	CAROLYN BOAK	USA	2010	13:26.43	BONNIE PRONK	USA	2013	1:42.21	MARGIT JEBE	USA	2008
6:34.95	YOSHIKO OSAKI	JPN	2003	13:27.10	JANE KATZ	USA	2013	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	23:58.11	JACKIE MARR	USA	2013	3:30.16	SHOKO YONEZAWA	JPN	2005
6:51.93	HANNELORE ROSE	GER	2008	24:56.47	BARBARA FENTIMAN	GBR	2004	3:30.97	DIANE FORD	GBR	2013
6:57.58	FLORA CONNOLLY	GBR	2000	24:57.85	JUNE KRAUSER	USA	1996	3:33.22	LUISE KNOPFLE	GER	2009
7:01.55	JUDIE OLIVER	CAN	1999	25:14.99	HELGA REICH	GER	2006	3:35.99	JEN THOMASSON	AUS	2013
7:02.74	SUZANNE DILLS	USA	2010	25:19.73	REIKO ISHIZAKI	JPN	2009	3:40.16	TAYO FUJIEDA	JPN	2007
7:05.86	DANIELA BARNEA	USA	2009	25:40.21	GAIL ROPER	USA	1999	3:43.02	DIANE STOWELL	USA	2005
				25:44.60	JILL COMPLIN	GBR	2013	3:44.03	JUDIE OLIVER	CAN	2002
				25:46.23	JANE KATZ	USA	2013	3:44.40	INGRID LUNING	GER	2010
				25:56.01	MARIA PENNA	BRA	2011	50 M. FLY			
*****				50 M. BACK				37.96	YOSHIKO OSAKI	JPN	2009
WOMEN 70-74				39.44	E.KETELSEN	DEN	2013	39.02	CHRISTEL SCHULZ	GER	2010
*****				39.79	SATOKO TAKEUJI	JPN	2013	39.36	HARUMI SUGIMOTO	JPN	2008
50 M. FREE				40.11	HIROMI SATO	JPN	2013	39.44	JANE ASHER	GBR	2004
33.34	CHRISTEL SCHULZ	GER	2010	40.49	MARGARET WILDING	GBR	2009	39.81	BARBARA FRID	USA	2012
33.36	YOSHIKO OSAKI	JPN	2009	40.58	JOY WARD	USA	2012	40.39	HISAKO KITAYAMA	JPN	2009
33.86	JANE ASHER	GBR	2004	40.61	PAM HUTCHINGS	AUS	2008	40.56	HISAKO SATO	JPN	2006
34.39	JEN THOMASSON	AUS	2013	40.97	YOSHIKO OSAKI	JPN	2009	40.58	HAIKE HOLER	GER	2006
34.49	IKUKO OKADO	JPN	2013	41.23	SHOKO YONEZAWA	JPN	2005	40.66	GAIL ROPER	USA	1999
34.70	RENATA BASTEK	POL	2013	41.42	RENATA BASTEK	POL	2013	41.16	HELGA REICH	GER	2006
35.14	GERD DURRE	GER	2006	41.45	GERD DURRE	GER	2006	100 M. FLY			
35.28	PAM HUTCHINGS	AUS	2008	100 M. BACK				1:28.55	YOSHIKO OSAKI	JPN	2009
35.37	GAIL ROPER	USA	1999	1:26.25	SATOKO TAKEUJI	JPN	2012	1:34.70	JANE ASHER	GBR	2001
35.48	JEAN HOWARD-JONES	GBR	2013	1:27.45	E.KETELSEN	DEN	2013	1:34.86	HELGA REICH	GER	2006
100 M. FREE				1:29.10	CHRISTEL SCHULZ	GER	2011	1:37.41	CHRISTEL SCHULZ	GER	2010
1:12.97	YOSHIKO OSAKI	JPN	2009	1:29.64	JOY WARD	USA	2012	1:37.56	GAIL ROPER	USA	1999
1:14.69	CHRISTEL SCHULZ	GER	2010	1:29.93	BETSY JORDAN	USA	2007	1:38.39	HAIKE HOLER	GER	2006
1:16.45	JANE ASHER	GBR	2004	1:29.96	NORIKO YOSHIDA	JPN	2013	1:39.02	JUDIE OLIVER	CAN	2002
1:17.92	JEN THOMASSON	AUS	2013	1:31.24	SHOKO YONEZAWA	JPN	2005	1:40.05	HISAKO SATO	JPN	2006
1:18.35	E.KETELSEN	DEN	2013	1:31.31	V.JOHANSSON	SWE	2005	1:40.20	JUNE KRAUSER	USA	1996
1:18.67	GAIL ROPER	USA	1999	1:32.28	BONNIE PRONK	CAN	2012	1:44.36	GYNT CLIFFORD	USA	2012
1:19.54	JEAN HOWARD-JONES	GBR	2013	1:33.27	YOSHIKO OSAKI	JPN	2009	200 M. FLY			
1:20.29	PAM HUTCHINGS	AUS	2008	200 M. BACK				3:34.59	YOSHIKO OSAKI	JPN	2009
1:20.95	RENATA BASTEK	POL	2013	3:11.41	E.KETELSEN	DEN	2013	3:37.23	HELGA REICH	GER	2006
1:21.57	HELGA REICH	GER	2007	3:12.67	JOY WARD	USA	2012	3:38.39	JUNE KRAUSER	USA	1996
200 M. FREE				3:17.71	BONNIE PRONK	CAN	2012	3:44.96	JANE ASHER	GBR	2001
2:44.70	YOSHIKO OSAKI	JPN	2008	3:17.86	CHRISTEL SCHULZ	GER	2011	3:45.64	GAIL ROPER	USA	1999
2:47.82	CHRISTEL SCHULZ	GER	2010	3:18.61	V.JOHANSSON	SWE	2005	3:49.52	LINDA MACPHERSON	CAN	2010
2:49.28	JANE ASHER	GBR	2003	3:20.96	JANE ASHER	GBR	2001	3:53.70	JOY WARD	USA	2013
2:49.70	JEN THOMASSON	AUS	2013	3:24.21	YOSHIKO OSAKI	JPN	2009	3:55.59	JUDIE OLIVER	CAN	2004
2:55.09	E.KETELSEN	DEN	2013	3:25.04	NANCY BROWN	USA	2006	3:58.01	BETTY RUSS	USA	1997
2:55.57	HELGA REICH	GER	2007	3:25.71	PAM HUTCHINGS	AUS	2008	3:59.95	HIROKO KOBAYASHI	JPN	2010
2:58.06	GAIL ROPER	USA	2000	3:27.79	DORIS STEADMAN	USA	1995	100 M. I.M.			
3:00.93	NANCY BROWN	USA	2006	50 M. BRST				1:24.88	YOSHIKO OSAKI	JPN	2009
3:01.93	PAM HUTCHINGS	AUS	2008	42.80	SHOKO YONEZAWA	JPN	2005	1:27.39	CHRISTEL SCHULZ	GER	2010
3:01.98	MAREN PISKORA	GER	2007	43.18	MONIKA SENFTLEBEN	GER	2012	1:27.80	SHOKO YONEZAWA	JPN	2005
400 M. FREE				44.22	DIANE FORD	GBR	2013	1:32.23	GAIL ROPER	USA	2000
5:50.41	YOSHIKO OSAKI	JPN	2008	44.22	JOANN LEILICH	USA	2011	1:33.49	JANE ASHER	GBR	2003
5:56.99	JEN THOMASSON	AUS	2013	44.74	KAZUKO KAJIWARA	JPN	2009	1:34.10	JUDIE OLIVER	CAN	2002
6:00.34	JANE ASHER	GBR	2003	45.08	EDITH BOEHM	GER	1999	1:35.10	BONNIE PRONK	CAN	2012
6:14.34	JACKIE MARR	USA	2013	45.19	YOSHIKO OSAKI	JPN	2010	1:35.15	RENATA BASTEK	POL	2013
6:19.80	HELGA REICH	GER	2006	45.38	ELAINE BROMWICH	GBR	2012	1:35.21	HELGA REICH	GER	2006
6:24.11	BARBARA FENTIMAN	GBR	2004	45.55	MASAYO AZUMA	JPN	2005	1:35.57	TAYO FUJIEDA	JPN	2009
6:24.96	E.KETELSEN	DEN	2013	45.56	ERIKA LANGE	GER	1998	200 M. I.M.			
6:26.99	MARIA PENNA	BRA	2009	100 M. BRST				3:11.14	YOSHIKO OSAKI	JPN	2009
6:27.21	GAIL ROPER	USA	1999	1:35.58	SHOKO YONEZAWA	JPN	2005	3:12.16	CHRISTEL SCHULZ	GER	2011
6:28.81	JUNE KRAUSER	USA	1996	1:35.81	DIANE FORD	GBR	2013	3:21.52	JUDIE OLIVER	CAN	2002
800 M. FREE				1:36.63	YOSHIKO OSAKI	JPN	2010	3:24.64	JANE ASHER	GBR	2001
12:30.00	JANE ASHER	GBR	2004	1:36.94	MASAYO AZUMA	JPN	2005	3:25.28	HELGA REICH	GER	2006
12:39.45	JACKIE MARR	USA	2013								
13:00.04	BARBARA FENTIMAN	GBR	2004								



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3:26.44	SHOKO YONEZAWA	JPN	2006	13:55.30	HELGA REICH	GER	2013	1:44.01	A.VAN OBBERGHEN	BEL	2008
3:28.17	JOY WARD	USA	2012	13:59.01	JEAN TROY	USA	2002	1:46.09	KUMIE TOKUDA	JPN	2012
3:30.92	GAIL ROPER	USA	1999	14:00.66	LINDA MACPHERSON	CAN	2013	1:47.02	TAYO FUJIEDA	JPN	2012
3:31.29	JUNE KRAUSER	USA	1999	14:03.84	ANNE WILLIAMS	USA	2013	1:47.80	SYLVIA NEUHAUSER	AUT	2004
3:32.12	V.JOHANSSON	SWE	2005	14:11.11	TAYO FUJIEDA	JPN	2013	1:48.28	SATOKO SUZUKI	JPN	1998
400 M. I.M.				14:12.12	GAIL ROPER	USA	2005	1:49.45	ANNE WILLIAMS	USA	2013
6:56.79	YOSHIKO OSAKI	JPN	2008	14:21.26	MICHIKO OKUMURA	JPN	2006	1:49.85	JANE ASHER	GBR	2006
7:09.96	JANE ASHER	GBR	2001	14:23.70	URSULA FROHLICH	GER	2010	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	26:20.36	LINDA MACPHERSON	CAN	2013	3:47.58	ELIANE PELLIS	BEL	2008
7:35.12	JOY WARD	USA	2013	26:37.02	GAIL ROPER	USA	2005	3:48.93	TAYO FUJIEDA	JPN	2013
7:36.99	GAIL ROPER	USA	1999	26:37.41	DENISE ROBERTSON	AUS	2011	3:49.39	A.VAN OBBERGHEN	BEL	2008
7:40.03	JACKIE MARR	USA	2013	26:44.97	HELGA REICH	GER	2012	3:50.88	ANNE WILLIAMS	USA	2013
7:41.64	KAZUKO ITO	JPN	2012	27:14.94	MICHIKO OKUMURA	JPN	2006	3:54.55	SYLVIA NEUHAUSER	AUT	2004
7:47.33	BETSY JORDAN	USA	2007	27:33.16	LIZ WALLIS	AUS	2002	3:56.11	JANE ASHER	GBR	2006
*****				27:39.46	JUNE KRAUSER	USA	2001	3:56.51	ANN HIRSCH	USA	2008
*****				27:47.25	MARGERY MEYER	USA	1998	4:00.34	JUDIE OLIVER	CAN	2008
*****				27:59.27	URSULA FROHLICH	GER	2013	50 M. FLY			
*****				50 M. BACK				40.71	JANE ASHER	GBR	2006
*****				43.19	MARLENE MENDES	BRA	2008	42.23	HISAKO KITAYAMA	JPN	2012
*****				43.50	JANE ASHER	GBR	2006	42.44	HARUMI SUGIMOTO	JPN	2013
*****				43.54	SHOKO YONEZAWA	JPN	2010	44.18	GAIL ROPER	USA	2004
*****				44.24	PAM HUTCHINGS	AUS	2012	44.53	JUDIE OLIVER	CAN	2007
*****				44.76	DORIS STEADMAN	USA	1999	45.00	MARCELA STASTNA	CZE	2013
*****				45.19	NANCY BROWN	USA	2011	46.07	HELGA REICH	GER	2011
*****				45.28	JOAN PARNELL	CAN	2004	47.88	LOIS NOCHMAN	USA	1999
*****				46.00	EVA JAROSOVA	CZE	2011	47.89	HISAKO SATO	JPN	2010
*****				46.03	GRETHE BENDTSEN	DEN	2006	48.69	MICHIKO OKUMURA	JPN	2007
*****				46.25	MAE WALDIE	CAN	2011	100 M. FLY			
*****				100 M. BACK				1:44.35	JUDIE OLIVER	CAN	2007
*****				1:34.38	ELIANE PELLIS	BEL	2009	1:44.90	YOSHIKO OSAKI	JPN	2013
*****				1:36.33	SHOKO YONEZAWA	JPN	2010	1:45.10	JANE ASHER	GBR	2006
*****				1:36.90	NANCY BROWN	USA	2011	1:46.98	HELGA REICH	GER	2011
*****				1:37.87	PAM HUTCHINGS	AUS	2012	1:49.36	GAIL ROPER	USA	2005
*****				1:37.87	JANE ASHER	GBR	2006	1:49.51	MARCELA STASTNA	CZE	2012
*****				1:38.90	YOSHIKO OSAKI	JPN	2013	1:50.11	SYLVIA NEUHAUSER	AUT	2005
*****				1:39.76	DORIS STEADMAN	USA	2000	1:52.25	JUNE KRAUSER	USA	2001
*****				1:41.65	GRETHE BENDTSEN	DEN	2006	1:53.69	LINDA MACPHERSON	CAN	2013
*****				1:41.86	MARLENE MENDES	BRA	2008	1:56.17	JOAN ALEXANDER	USA	2009
*****				1:42.65	EVA JAROSOVA	CZE	2013	200 M. FLY			
*****				200 M. BACK				3:57.63	HELGA REICH	GER	2012
*****				3:32.59	JANE ASHER	GBR	2006	3:58.98	LINDA MACPHERSON	CAN	2013
*****				3:34.09	NANCY BROWN	USA	2011	4:00.46	JUDIE OLIVER	CAN	2007
*****				3:36.60	HARUMI SUGIMOTO	JPN	2013	4:06.06	JANE ASHER	GBR	2006
*****				3:38.25	DORIS STEADMAN	USA	1999	4:08.39	LOIS KIVI NOCHMAN	USA	1999
*****				3:40.01	EVA JAROSOVA	CZE	2013	4:09.28	GAIL ROPER	USA	2004
*****				3:40.06	BETTY LORENZI	USA	2003	4:12.50	JUNE KRAUSER	USA	2001
*****				3:40.33	PAM HUTCHINGS	AUS	2012	4:25.06	SUE MAYNE	AUS	2011
*****				3:41.22	JUDIE OLIVER	CAN	2009	4:33.31	BETTY RUSS	USA	2004
*****				3:42.98	MISAO MATSUMOTO	JPN	2011	4:33.81	SYLVIA EISELE	CAN	2004
*****				3:44.40	MARLENE MENDES	BRA	2008	100 M. I.M.			
*****				50 M. BRST				1:31.38	YOSHIKO OSAKI	JPN	2013
*****				43.79	SHOKO YONEZAWA	JPN	2010	1:31.62	SHOKO YONEZAWA	JPN	2010
*****				46.86	ELIANE PELLIS	BEL	2008	1:32.92	JANE ASHER	GBR	2006
*****				46.94	A.VAN OBBERGHEN	BEL	2008	1:38.11	GAIL ROPER	USA	2004
*****				47.15	EDITH BOHM	GER	2003	1:38.73	JUDIE OLIVER	CAN	2007
*****				47.66	MASAYO AZUMA	JPN	2010	1:42.04	TAYO FUJIEDA	JPN	2013
*****				48.23	GISELA GRUNER	GER	2012	1:42.50	MARCELA STASTNA	CZE	2012
*****				48.26	KUMIE TOKUDA	JPN	2012	1:44.43	HELGA REICH	GER	2011
*****				49.06	TAYO FUJIEDA	JPN	2013	1:45.44	SYLVIA NEUHAUSER	AUT	2004
*****				49.09	MURIEL HITCHCOCK	GBR	2013	1:46.18	M. CUNNINGHAM	AUS	2000
*****				49.47	ANNE WILLIAMS	USA	2013	200 M. I.M.			
*****				100 M. BRST				3:22.23	YOSHIKO OSAKI	JPN	2013
*****				1:36.48	SHOKO YONEZAWA	JPN	2010	3:31.20	JANE ASHER	GBR	2006
*****				1:42.36	MASAYO AZUMA	JPN	2010	3:35.06	JUDIE OLIVER	CAN	2007
*****				1:43.34	ELIANE PELLIS	BEL	2008	3:37.24	GAIL ROPER	USA	2005



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3:43.58 JUNE KRAUSER	USA	2001	15:12.35 JEAN TROY	USA	2007	1:57.31 ANN HIRSCH	USA	2011
3:45.86 MARCELA STASTNA	CZE	2012	15:24.58 JUDIE OLIVER	CAN	2013	1:58.44 JANE ASHER	GBR	2011
3:46.71 TAYO FUJIEDA	JPN	2013	15:30.51 MARGERY MEYER	USA	2005	1:59.72 JUDIE OLIVER	CAN	2012
3:47.43 HELGA REICH	GER	2011	15:31.74 NAN BOHL	USA	2011	2:03.93 SAYOKO WATANABE	JPN	2007
3:49.91 JEAN TROY	USA	2002	15:43.22 DOROTHY DICKEY	AUS	2011	2:04.65 SYLVIA EISELE	CAN	2009
3:53.51 MICHICO OKUMURA	JPN	2006	15:49.21 RITA SIMONTON	USA	1998	2:06.51 NANETTE BOHL	USA	2009
400 M. I.M.			16:04.77 VIRGINIA KETELEER	BEL	2006	2:06.59 EMMI PAULI	GER	1993
7:11.33 YOSHIKO OSAKI	JPN	2013	16:18.58 MARJORIE SHARPE	USA	1997	2:07.67 EIKO MORI	JPN	2007
7:34.39 JANE ASHER	GBR	2006	16:20.82 AIKO HORII	JPN	2010	200 M. BRST		
7:39.96 JUDIE OLIVER	CAN	2007	1500 M. FREE			4:00.52 A.VAN OBBERGHEN	BEL	2011
7:52.71 JUNE KRAUSER	USA	2001	25:45.37 JANE ASHER	GBR	2011	4:10.42 JUDIE OLIVER	CAN	2012
7:59.77 NANCY BROWN	USA	2011	28:55.09 JEAN TROY	USA	2007	4:12.33 JANE ASHER	GBR	2011
8:05.23 GAIL ROPER	USA	2006	29:34.22 DOROTHY DICKEY	AUS	2010	4:16.16 ANN HIRSCH	USA	2011
8:16.68 SUE MAYNE	AUS	2011	29:39.08 MARGERY MEYER	USA	2002	4:29.24 EIKO MORI	JPN	2007
8:27.31 ANN HIRSCH	USA	2008	29:48.75 RITA SIMONTON	USA	1998	4:31.25 SYLVIA EISELE	CAN	2009
8:30.82 LOIS NOCHMAN	USA	1999	30:15.00 JUDIE OLIVER	CAN	2013	4:33.61 NORIKO KIMURA	JPN	2013
8:30.87 JEAN TROY	USA	2002	30:25.73 FRANCA PARODI	ITA	2013	4:36.67 NANETTE BOHL	USA	2009
*****			30:32.06 VIRGINIA KETELEER	BEL	2005	4:38.57 DOROTHY WILLIAMS	GBR	2003
*****			30:43.62 NAN BOHL	USA	2012	4:47.03 JOAN KIDD	GBR	2007
*****			30:45.08 MICHICO OKUMURA	JPN	2011	50 M. FLY		
*****			50 M. BACK			45.57 JANE ASHER	GBR	2011
*****			46.10 JANE ASHER	GBR	2011	46.90 JUDIE OLIVER	CAN	2012
*****			48.82 KERSTIN GJORES	SWE	2007	48.85 GAIL ROPER	USA	2009
*****			49.02 JOAN PARNELL	CAN	2008	55.65 LOIS KIVI NOCHMAN	USA	2004
*****			49.09 GRETHE BENDTSEN	DEN	2010	56.51 CHIE TANI	JPN	2006
*****			50.03 MARGERY MEYER	USA	2002	57.97 NANCY KINNEY	USA	2009
*****			50.66 JUDIE OLIVER	CAN	2013	58.13 SYLVIA EISELE	CAN	2009
*****			50.73 NANCY KINNEY	USA	2009	58.20 JEAN TROY	USA	2008
*****			51.19 ANNELIESE POKER	GER	2001	58.34 ANN HIRSCH	USA	2011
*****			51.55 BETTY LORENZI	USA	2007	1:00.21 KII SAITO	JPN	2013
*****			51.71 KIMIKO OOKA	JPN	2011	100 M. FLY		
*****			100 M. BACK			1:50.08 JUDIE OLIVER	CAN	2012
*****			1:44.88 JANE ASHER	GBR	2011	1:58.02 GAIL ROPER	USA	2009
*****			1:49.79 JUDIE OLIVER	CAN	2013	1:59.41 JANE ASHER	GBR	2011
*****			1:49.83 JOAN PARNELL	CAN	2008	2:02.63 LOIS KIVI NOCHMAN	USA	2004
*****			1:50.61 BETTY LORENZI	USA	2007	2:14.51 CHIE TANI	JPN	2007
*****			1:52.72 KERSTIN GJORES	SWE	2007	2:16.00 Y.KAPLAN-BADER	FRA	2008
*****			1:53.51 KIMIKO OOKA	JPN	2009	2:17.23 SYLVIA EISELE	CAN	2009
*****			1:54.86 GRETHE BENDTSEN	DEN	2010	2:19.85 JEAN TROY	USA	2008
*****			1:55.79 MARGERY MEYER	USA	2002	2:22.05 GERTRUD MEERWALD	GER	2000
*****			1:56.30 NANCY KINNEY	USA	2010	2:22.88 BETTY RUSS	USA	2008
*****			1:57.07 DORIS STEADMAN	USA	2004	200 M. FLY		
*****			200 M. BACK			4:10.18 JUDIE OLIVER	CAN	2012
*****			3:42.88 JANE ASHER	GBR	2011	4:31.97 LOIS KIVI NOCHMAN	USA	2005
*****			3:50.26 JUDIE OLIVER	CAN	2013	4:54.54 BETTY RUSS	USA	2008
*****			3:59.15 NANCY KINNEY	USA	2009	5:20.76 Y.KAPLAN-BADER	FRA	2010
*****			4:07.13 BETTY LORENZI	USA	2007	5:22.65 MAXINE O MERLINO	USA	1992
*****			4:08.87 JOAN PARNELL	CAN	2008	5:24.06 JAE HOWELL	USA	2002
*****			4:09.07 DORIS STEADMAN	USA	2004	5:27.00 JEAN DURSTON	USA	1997
*****			4:13.99 KERSTIN GJORES	SWE	2010	5:29.14 THELMA BRYAN	AUS	2010
*****			4:14.53 MARGERY MEYER	USA	2003	5:38.21 NADIR TAUBERT	BRA	2013
*****			4:14.67 AIKO GOTO	JPN	2011	5:39.29 DOROTHY WESTON	GBR	1996
*****			4:16.47 KIMIKO OOKA	JPN	2011	100 M. I.M.		
*****			50 M. BRST			1:42.46 JANE ASHER	GBR	2011
*****			48.46 ELIANE PELLIS	BEL	2013	1:43.51 JUDIE OLIVER	CAN	2013
*****			49.35 A.VAN OBBERGHEN	BEL	2011	1:44.95 GAIL ROPER	USA	2009
*****			50.48 SATOKO SUZUKI	JPN	2003	1:49.26 MITSUKO KOMURO	JPN	2010
*****			51.34 EDITH BOHM	GER	2008	1:56.27 JOAN PARNELL	CAN	2008
*****			53.62 ANN HIRSCH	USA	2011	1:56.65 JEAN TROY	USA	2007
*****			53.64 JUDIE OLIVER	CAN	2013	1:57.48 ANN HIRSCH	USA	2011
*****			54.63 JOAN PARNELL	CAN	2008	1:57.93 NANCY KINNEY	USA	2009
*****			55.13 SYLVIA EISELE	CAN	2009	1:59.06 M. CUNNINGHAM	AUS	2005
*****			55.81 MICHELE GUILLAIS	FRA	2001	2:00.15 CHIE TANI	JPN	2006
*****			55.94 NANETTE BOHL	USA	2009	200 M. I.M.		
*****			100 M. BRST			3:43.73 JANE ASHER	GBR	2011
*****			1:49.73 A.VAN OBBERGHEN	BEL	2011	3:47.29 JUDIE OLIVER	CAN	2012
*****			1:54.30 SATOKO SUZUKI	JPN	2003	3:55.51 GAIL ROPER	USA	2009



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4:07.66	JEAN TROY	USA	2007	16:25.24	BETTY LORENZI	USA	2012	2:18.42	OLGA KOKORINA	RUS	2012
4:16.31	MITSUKO KOMURO	JPN	2010	16:49.43	RITA SIMONTON	USA	2003	2:24.69	JEAN TROY	USA	2012
4:22.00	SYLVIA EISELE	CAN	2009	18:02.38	MAURINE KORNFELD	USA	2007	2:25.10	M.KAPCAROVA	SVK	2013
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	2:27.61	Y.KAPLAN-BADER	FRA	2013
4:25.53	ANN HIRSCH	USA	2012	18:59.86	Y.KAPLAN-BADER	FRA	2013	2:28.12	LIS KNUTZEN	DEN	2006
4:36.03	M. CUNNINGHAM	AUS	2005	19:13.43	LOIS KIVI NOCHMAN	USA	2009	2:29.90	MARIA LENK	BRA	2000
400 M. I.M.				19:41.58	MAXINE MERLINO	USA	1998	2:30.50	EVA KOPLIKOVA	CZE	2012
8:04.67	JUDIE OLIVER	CAN	2012	20:28.81	MARJORIE SHARPE	USA	2003	2:31.34	KALIS RASMUSSEN	CAN	2009
8:07.34	JANE ASHER	GBR	2011	20:31.49	WILLY VAN RYSEL	GBR	2001	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	MARGERY 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	36:22.53	Y.KAPLAN-BADER	FRA	2013	5:32.72	Y.KAPLAN-BADER	FRA	2013
10:09.01	JEAN DURSTON	USA	1994	36:38.30	LOIS KIVI NOCHMAN	USA	2009	5:33.41	MICHICO HAMURO	JPN	2004
10:19.65	BARBARA CALLISON	USA	2013	37:28.53	MAXINE MERLINO	USA	1998	5:39.33	MARIA LENK	BRA	2000
				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
	WOMEN 85-89			40:39.66	KALIS RASMUSSEN	CAN	2009	50 M. FLY			
*****				50 M. BACK				1:02.04	LOIS KIVI NOCHMAN	USA	2009
50 M. FREE				51.75	BETTY LORENZI	USA	2012	1:06.92	JEAN TROY	USA	2012
44.68	MIEKO KAMOSHITA	JPN	2012	56.46	KERSTIN GJORES	SWE	2012	1:07.35	JEAN DURSTON	USA	1999
45.84	TOKUYO KAMIGAKI	JPN	2011	57.62	BUNNY CEDERLUND	USA	2006	1:09.68	Y.KAPLAN-BADER	FRA	2013
46.31	OLGA JOHNSON	NZL	2006	58.02	NOEL MORROW	CAN	2004	1:11.38	MARIA LENK	BRA	2000
46.35	JEAN TROY	USA	2012	58.38	MASA SHIGEMITSU	JPN	2000	1:12.55	NORA RONAI	BRA	2009
48.10	MARGERY MEYER	USA	2008	58.80	JOAN PARNELL	CAN	2013	1:16.65	M. CUNNINGHAM	AUS	2010
48.37	BETTY RUSS	USA	2012	59.11	MARGERY MEYER	USA	2008	1:16.71	MAXINE MERLINO	USA	1998
48.90	M.KAPCAROVA	SVK	2013	59.34	KAZUKO TAGUCHI	JPN	2011	1:19.27	JUNE REYNOLDS	USA	2007
49.14	FUSAKO YAMANAKA	JPN	2005	59.64	REIKO OKUBO	JPN	2012	1:23.04	CHARLOTTE SANDDAL	USA	2009
49.48	HISAKO KOGA	JPN	2003	59.67	WILLY VAN RYSEL	GBR	2001	100 M. FLY			
49.77	M. CUNNINGHAM	AUS	2010	100 M. BACK				2:21.77	LOIS KIVI NOCHMAN	USA	2009
100 M. FREE				1:52.21	BETTY LORENZI	USA	2012	2:27.22	BETTY RUSS	USA	2013
1:43.97	JEAN TROY	USA	2012	2:05.95	KERSTIN GJORES	SWE	2012	2:36.50	JEAN DURSTON	USA	1999
1:46.95	MARGERY MEYER	USA	2008	2:10.33	BUNNY CEDERLUND	USA	2006	2:37.57	Y.KAPLAN-BADER	FRA	2013
1:47.73	BETTY LORENZI	USA	2012	2:11.03	WILLY VAN RYSEL	GBR	2001	2:51.00	MAXINE MERLINO	USA	1998
1:48.44	MIEKO KAMOSHITA	JPN	2012	2:11.06	SILVIA CRAVERI	ITA	2009	2:59.72	JUNE REYNOLDS	USA	2007
1:48.55	OLGA JOHNSON	NZL	2006	2:11.09	PERSIS RAE	AUS	2005	3:05.69	JAE HOWELL	USA	2007
1:49.64	RITA SIMONTON	USA	2003	2:11.54	MARIA LENK	BRA	2000	3:16.99	NORA RONAI	BRA	2012
1:50.59	BETTY RUSS	USA	2013	2:11.97	BETTY RUSS	USA	2013	3:20.81	JEWEL COOKE	USA	1996
1:51.96	M. CUNNINGHAM	AUS	2010	2:13.85	LOIS KIVI NOCHMAN	USA	2009	3:22.29	EDITH GLUSAC	USA	2003
1:53.38	G. MCKENZIE-HICKS	AUS	2012	2:13.95	NOEL MORROW	CAN	2004	200 M. FLY			
1:54.16	LIZ WALLIS	AUS	2012	200 M. BACK				4:59.50	LOIS KIVI NOCHMAN	USA	2009
200 M. FREE				4:18.50	EDITH THEIN	ISR	2003	5:33.79	BETTY RUSS	USA	2012
3:49.35	JEAN TROY	USA	2012	4:31.92	KERSTIN GJORES	SWE	2012	5:42.80	JEAN DURSTON	USA	1999
3:54.18	MARGERY MEYER	USA	2007	4:36.48	BUNNY CEDERLUND	USA	2006	6:01.46	MAXINE MERLINO	USA	1998
3:57.48	RITA SIMONTON	USA	2003	4:41.34	MARIA LENK	BRA	2000	6:26.75	JAE HOWELL	USA	2007
4:04.35	BETTY LORENZI	USA	2012	4:41.38	PERSIS RAE	AUS	2005	6:45.75	JUNE REYNOLDS	USA	2007
4:05.78	G. MCKENZIE-HICKS	AUS	2012	4:46.44	WILLY VAN RYSEL	GBR	2001	7:12.95	JEWEL COOKE	USA	1996
4:05.82	OLGA JOHNSON	NZL	2006	4:49.34	DOROTHY WILLIAMS	GBR	2008	7:15.07	KATHERINE PELTON	USA	1990
4:10.40	HISAKO KOGA	JPN	2002	4:50.07	LOIS KIVI NOCHMAN	USA	2009	7:47.68	NORA RONAI	BRA	2010
4:11.96	BETTY RUSS	USA	2012	4:51.23	AGNES KISS	HUN	2013	8:44.12	ANNE POTTIER	FRA	2008
4:14.66	VIRGINIA KETELEER	BEL	2011	4:53.35	MARJORIE SHARPE	USA	2002	100 M. I.M.			
4:16.84	MARJORIE SHARPE	USA	2003	50 M. BRST				2:08.06	JEAN TROY	USA	2012
400 M. FREE				59.00	M.KAPCAROVA	SVK	2013	2:12.85	JEWEL COOKE	USA	1995
7:58.41	MARGERY MEYER	USA	2008	1:00.56	SATOKO SUZUKI	JPN	2008	2:12.90	AGNES KISS	HUN	2013
8:03.09	JEAN TROY	USA	2012	1:02.09	OLGA KOKORINA	RUS	2012	2:13.69	MARGERY MEYER	USA	2008
8:17.82	RITA SIMONTON	USA	2003	1:02.92	KIMIE KANAI	JPN	2009	2:17.34	BETTY RUSS	USA	2013
8:39.86	BETTY RUSS	USA	2012	1:04.29	MICHELE GUILLAIS	FRA	2006	2:18.55	LOIS KIVI NOCHMAN	USA	2009
8:44.56	MAURINE KORNFELD	USA	2008	1:05.00	TERUKO ONO	JPN	2013	2:20.92	YOKO KOBAYASHI	JPN	2011
8:45.92	MARJORIE SHARPE	USA	2002	1:05.22	DORIS MCEWAN	CAN	2009	2:21.11	RITA SIMONTON	USA	2003
8:58.13	VIRGINIA KETELEER	BEL	2012	1:06.32	JOAN PARNELL	CAN	2013	2:22.10	MARIA LENK	BRA	2000
8:59.25	OLGA JOHNSON	NZL	2006	1:06.37	SAYOKO WATANABE	JPN	2012	2:22.30	M. CUNNINGHAM	AUS	2010
9:06.62	ELSA DE LEEUW	CAN	2009	1:06.67	INGEBORG FRITZE	GER	2009	200 M. I.M.			
9:17.94	Y.KAPLAN-BADER	FRA	2013	100 M. BRST				4:48.96	JEAN TROY	USA	2012
800 M. FREE				2:11.98	SATOKO SUZUKI	JPN	2009	4:59.06	LOIS KIVI NOCHMAN	USA	2009



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5:04.14	Y.KAPLAN-BADER	FRA 2013	12:48.90	LILLIAN WARREN	CAN 2010	3:05.60	MARIA LENK	BRA 2005
5:09.92	MARIA LENK	BRA 2000	800 M. FREE			3:16.60	BARBARA BOHM	GER 2010
5:12.01	JEAN DURSTON	USA 1999	18:38.69	MAURINE KORNFELD	USA 2011	3:18.60	NAKA FUKUOKA	JPN 2013
5:12.13	MAXINE MERLINO	USA 1998	18:38.98	RITA SIMONTON	USA 2008	3:25.74	M.GOTTSCHALK	GER 1999
5:26.90	RITA SIMONTON	USA 2004	21:16.76	WILLY VAN RYSEL	GBR 2006	3:38.97	CANDIDA GANDOLPHO	BRA 2010
5:36.16	MARIANNA BERKLEY	USA 2007	22:18.84	MAXINE MERLINO	USA 2002	3:41.00	MARIANNA BERKLEY	USA 2012
5:37.00	M. CUNNINGHAM	AUS 2010	25:03.34	MARIA LENK	BRA 2007	3:48.20	MICHIKO HAMURO	JPN 2009
5:37.37	KALIS RASMUSSEN	CAN 2009	25:12.44	KATH JOHNSTONE	NZL 2007	200 M. BRST		
400 M. I.M.			26:29.38	LILLIAN WARREN	CAN 2010	5:15.24	OLGA KOKORINA	RUS 2013
10:13.73	JEAN TROY	USA 2012	28:04.39	ANNE POTTIER	FRA 2013	6:31.21	INGEBORG FRITZE	GER 2011
10:28.05	LOIS KIVI NOCHMAN	USA 2009	28:45.45	ANNA BAUSCHER	USA 1993	6:37.73	MARIA LENK	BRA 2005
10:55.73	JEAN DURSTON	USA 1999	30:02.99	JEAN BUCHANAN	CAN 2010	7:06.04	BARBARA BOHM	GER 2010
11:02.02	MAXINE MERLINO	USA 1998	1500 M. FREE			7:56.76	CHARLOTTE SANDDAL	USA 2012
11:51.00	KALIS RASMUSSEN	CAN 2009	1:04.47	KATH JOHNSTONE	NZL 2011	7:57.95	MICHIKO HAMURO	JPN 2009
12:24.66	JAE HOWELL	USA 2007	35:40.38	RITA SIMONTON	USA 2008	8:23.74	MARION DEVITT	CAN 2009
12:30.12	JUNE REYNOLDS	USA 2007	41:20.62	WILLY VAN RYSEL	GBR 2006	9:03.85	JEWEL COOKE	USA 1999
12:47.00	NORA RONAI	BRA 2012	41:59.32	FUMI MURATA	JPN 2013	9:04.69	ANNE POTTIER	FRA 2013
13:24.08	JEWEL COOKE	USA 1996	44:27.18	MAXINE MERLINO	USA 2002	10:00.45	KATH JOHNSTONE	NZL 2007
13:32.12	GERTRUD ZINT	USA 2003	50:36.15	LILLIAN WARREN	CAN 2010	50 M. FLY		
			50 M. BACK			1:21.95	CHARLOTTE SANDDAL	USA 2012
*****			1:05.70	WILLY VAN RYSEL	GBR 2006	1:30.41	RITA SIMONTON	USA 2008
WOMEN 90-94			1:08.16	NOEL MORROW	CAN 2009	1:34.61	DOROTHY WESTON	GBR 2003
*****			1:09.37	HANA ENATSU	JPN 2013	1:35.56	MAXINE MERLINO	USA 2002
50 M. FREE			1:12.15	MAURINE KORNFELD	USA 2011	1:48.46	MARIE KELLEHER	USA 2006
50.72	OLGA KOKORINA	RUS 2013	1:12.54	RITA SIMONTON	USA 2010	1:49.08	JEWEL COOKE	USA 2000
55.53	HISAKO KOGA	JPN 2007	1:13.01	TRUDY BULLIVANT	AUS 2012	1:54.97	MAURINE KORNFELD	USA 2013
56.55	RITA SIMONTON	USA 2008	1:13.33	HIDEKO HANADA	JPN 2009	3:46.54	GERDA VOSS	CAN 2009
1:01.67	MAURINE KORNFELD	USA 2011	1:13.75	MARIA LENK	BRA 2005	4:00.74	HILDA BUEL	USA 2004
1:03.69	JOYCE O'FARRELL	AUS 2012	1:15.02	M.GOTTSCHALK	GER 1999	4:45.13	ANNA BAUSCHER	USA 1993
1:04.18	NOEL MORROW	CAN 2009	1:16.60	ANNE WALKER	USA 2006	100 M. FLY		
1:05.20	WILLY VAN RYSEL	GBR 2006	100 M. BACK			3:21.00	DOROTHY WESTON	GBR 2003
1:06.90	SUGAKO KUWAYAMA	JPN 2013	2:24.46	PERSIS RAE	AUS 2010	4:06.32	JEWELL COOK	USA 1999
1:07.21	KIKUE ISHII	JPN 2011	2:26.64	WILLY VAN RYSEL	GBR 2006	100 M. I.M.		
1:08.65	JOAN GODSALL	AUS 2008	2:29.86	HANA ENATSU	JPN 2013	2:22.96	OLGA KOKORINA	RUS 2013
100 M. FREE			2:32.24	RITA SIMONTON	USA 2010	2:51.20	RITA SIMONTON	USA 2008
1:58.28	OLGA KOKORINA	RUS 2013	2:33.82	NOEL MORROW	CAN 2009	3:06.08	DOROTHY WESTON	GBR 2003
2:07.65	RITA SIMONTON	USA 2008	2:34.81	MAURINE KORNFELD	USA 2011	3:06.87	MAXINE MERLINO	USA 2004
2:09.13	HISAKO KOGA	JPN 2008	2:36.08	HIDEKO HANADA	JPN 2009	3:08.12	MAURINE KORNFELD	USA 2011
2:19.26	MAURINE KORNFELD	USA 2012	2:40.94	TRUDY BULLIVANT	AUS 2012	3:13.87	JEWEL COOKE	USA 1999
2:21.49	FUMI MURATA	JPN 2013	2:43.99	MARIA LENK	BRA 2005	3:23.98	CHARLOTTE SANDDAL	USA 2012
2:22.81	JOYCE O'FARRELL	AUS 2012	2:45.49	M.GOTTSCHALK	GER 1999	3:25.01	MICHELE GUILLAIS	FRA 2012
2:23.66	WILLY VAN RYSEL	GBR 2006	200 M. BACK			3:31.92	MARIE KELLEHER	USA 2006
2:28.27	NOEL MORROW	CAN 2009	4:57.77	PERSIS RAE	AUS 2010	3:51.82	MICHIKO HAMURO	JPN 2009
2:30.22	CHIYOKO TAKIZAWA	JPN 2012	5:02.82	WILLY VAN RYSEL	GBR 2006	200 M. I.M.		
2:35.08	MARIA LENK	BRA 2005	5:28.00	MAURINE KORNFELD	USA 2012	5:58.46	RITA SIMONTON	USA 2008
2:35.08	JEWEL COOKE	USA 2000	5:29.42	HIDEKO HANADA	JPN 2009	6:25.12	MAXINE MERLINO	USA 2003
200 M. FREE			5:44.73	TRUDY BULLIVANT	AUS 2012	6:56.70	JEWEL COOKE	USA 1999
4:24.90	RITA SIMONTON	USA 2008	5:56.27	ANNE WALKER	USA 2006	7:16.26	CHARLOTTE SANDDAL	USA 2012
4:30.42	MAURINE KORNFELD	USA 2012	6:24.54	MARY LATHRAM	USA 2006	10:46.88	GERDA VOSS	CAN 2009
4:49.36	HISAKO KOGA	JPN 2008	6:24.57	FUMI MURATA	JPN 2013	11:57.44	HILDA BUEL	USA 2004
5:08.97	CHIYOKO TAKIZAWA	JPN 2012	6:29.80	ANNE POTTIER	FRA 2013	400 M. I.M.		
5:11.66	WILLY VAN RYSEL	GBR 2006	6:32.92	JEWEL COOKE	USA 1999	14:55.37	JEWEL COOKE	USA 1999
5:21.30	MARIA LENK	BRA 2005	50 M. BRST			*****		
5:23.71	INGEBORG FRITZE	GER 2011	1:02.33	OLGA KOKORINA	RUS 2013	*****		
5:34.59	MAXINE MERLINO	USA 2002	1:11.00	INGEBORG FRITZE	GER 2011	WOMEN 95-99		
5:38.34	KATH JOHNSTONE	NZL 2008	1:15.48	FUSAKO TOMINARI	JPN 2007	*****		
5:45.22	JEWEL COOKE	USA 2000	1:20.12	MICHELE GUILLAIS	FRA 2011	50 M. FREE		
400 M. FREE			1:21.91	DOROTHY WESTON	GBR 2003	1:13.87	SHIZUE SHIMIZU	JPN 2006
9:01.89	RITA SIMONTON	USA 2008	1:22.47	LIZ KNUTZEN	DEN 2010	1:21.93	MIEKO NAGAOKA	JPN 2009
9:21.61	MAURINE KORNFELD	USA 2013	1:24.48	MARIA LENK	BRA 2005	1:24.92	YOSHIKO WATANABE	JPN 2012
10:01.56	HISAKO KOGA	JPN 2007	1:25.24	M.GOTTSCHALK	GER 1999	1:28.20	KIKU ONO	JPN 2012
10:29.76	WILLY VAN RYSEL	GBR 2006	1:26.10	NAKA FUKUOKA	JPN 2013	1:43.00	MARY LATHRAM	USA 2010
10:45.34	MAXINE MERLINO	USA 2002	1:30.27	PERSIS RAE	AUS 2010	1:46.83	MASAKO MATSUNO	JPN 2012
11:10.67	MARIA LENK	BRA 2005	100 M. BRST			1:52.16	KATH JOHNSTONE	NZL 2013
12:16.00	CHARLOTTE SANDDAL	USA 2012	2:25.58	OLGA KOKORINA	RUS 2013	1:58.55	BERNARDA ANGULO	ESP 2007
12:17.00	KATH JOHNSTONE	NZL 2008	2:46.46	INGEBORG FRITZE	GER 2011	2:02.50	MARGE ANDERSON	CAN 1998
12:35.51	KIKU ONO	JPN 2007	3:04.86	DOROTHY WESTON	GBR 2003	2:08.68	ROSA SELLARES	ESP 2000



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100 M. FREE		22.08 DARIAN TOWNSEND	USA 2013	25.02 RODRIGO TRIVINO	BRA 2012
2:59.01 MIEKO NAGAOKA	JPN 2010	22.25 SERGEY MUKHIN	RUS 2013	25.05 STEV THELOKE	GER 2004
3:10.36 MARIE KELLEHER	USA 2008	22.36 DANIEL BELINI	BRA 2009	25.15 KEVIN DOAK	USA 2007
4:04.76 KATH JOHNSTONE	NZL 2013	22.37 RENATO GUERALDI	BRA 2009	25.17 SIMON SJODIN	SWE 2013
4:25.97 BERNARDA ANGULO	ESP 2008	22.40 LUKAS HARNOL	CZE 2009	25.22 TERO RATY	FIN 2004
4:32.42 ROSA SELLARES	ESP 2006	22.48 ED WAGNER	USA 1996	25.24 JUNICHI MIYASHITA	JPN 2010
4:35.98 MARGE ANDERSON	CAN 1998	22.48 ROBERT PEEL	USA 1993	25.26 TAKANORI MORI	JPN 2009
4:41.51 ANNE DUNIVIN	USA 2011	22.51 MATTHEW TUTTY	GBR 2011	25.31 LEONARDO SUMIDA	BRA 2012
200 M. FREE		22.59 RODRIGO TRIVINO	BRA 2012	25.43 MARTIN HARRIS	GBR 1994
5:25.74 RITA SIMONTON	USA 2013	22.62 JOHN LONG	USA 2013	100 M. BACK	
6:17.47 MIEKO NAGAOKA	JPN 2009	100 M. FREE		54.23 LEONARDO SUMIDA	BRA 2011
6:50.52 MARIE KELLEHER	USA 2008	48.29 DARIAN TOWNSEND	USA 2013	54.47 TAKASHI TAKEMOTO	JPN 2012
9:26.22 BERNARDA ANGULO	ESP 2009	48.58 S.KUNZELMANN	GER 2005	54.99 IAN POWELL	GBR 2011
9:32.52 ROSA SELLARES	ESP 2006	48.94 ADAM RITTER	USA 2013	55.04 STEFAN HERBST	GER 2005
10:33.89 ANNE DUNIVIN	USA 2011	49.58 ANDREW MANLEY	GBR 2003	55.15 TERO RATY	FIN 2004
400 M. FREE		49.60 DANIEL BELINI	BRA 2009	55.26 KEVIN DOAK	USA 2009
13:05.10 MIEKO NAGAOKA	JPN 2010	49.90 AKIRA OGASAWARA	JPN 2010	55.42 TAKAFUMI OISHI	JPN 2005
15:28.76 MASAKO MATSUNO	JPN 2012	49.90 LUKAS HARNOL	CZE 2009	55.48 JAN KONARZEWSKI	USA 2013
19:20.68 BERNARDA ANGULO	ESP 2007	49.91 BJORN ZIKARSKY	USA 1995	55.52 JUNICHI MIYASHITA	JPN 2010
19:24.06 ROSA SELLARES	ESP 2006	49.95 M. PATTERSON	AUS 2012	55.76 JOHN KEPPELER	USA 1995
21:39.84 ANNE DUNIVIN	USA 2011	49.96 SYLVAIN JOSEPH	FRA 2009	200 M. BACK	
800 M. FREE		200 M. FREE		1:56.22 STEFAN HERBST	GER 2006
27:58.70 MIEKO NAGAOKA	JPN 2010	1:44.90 DARIAN TOWNSEND	USA 2013	1:59.68 IAN POWELL	GBR 2011
1500 M. FREE		1:46.52 ADAM RITTER	USA 2013	2:01.14 DEAN KENT	NZL 2005
42:34.14 RITA SIMONTON	USA 2013	1:48.81 JOHN KEPPELER	USA 1995	2:01.78 MARTIN HARRIS	GBR 1994
55:14.66 MIEKO NAGAOKA	JPN 2011	1:49.94 ANDREW MANLEY	GBR 2003	2:02.23 JOHNATHAN SARGENT	GBR 2011
50 M. BACK		1:50.19 SYLVAIN CROS	FRA 2007	2:02.63 JOHN KEPPELER	USA 1995
1:20.28 MIEKO NAGAOKA	JPN 2010	1:50.99 EDUARDO SCHIESARI	BRA 2002	2:02.67 JONATHAN AUDIS	GBR 2009
1:27.92 EDITH HENDRY	USA 2006	1:51.11 HERMAN LOUW	USA 2000	2:02.75 LEONARDO SUMIDA	BRA 2011
1:47.22 KIKU ONO	JPN 2012	1:51.34 STEVEN MELLOR	GBR 2000	2:03.19 SYLVAIN CROS	FRA 2007
1:50.40 MASAKO MATSUNO	JPN 2012	1:51.46 DAVID HOLMES	GBR 2009	2:03.69 SHINYA HAYASHI	JPN 2006
1:52.63 MARY LATHRAM	USA 2010	1:51.65 FERNANDO SAEZ	BRA 2002	50 M. BRST	
1:53.95 KATH JOHNSTONE	NZL 2013	400 M. FREE		27.31 EETU KARVONEN	USA 2013
1:57.45 BERNARDA ANGULO	ESP 2008	3:53.60 SYLVAIN CROS	FRA 2007	27.66 RYO KOBAYASHI	JPN 2013
2:00.16 SHIZUE SHIMIZU	JPN 2006	3:56.53 A.ANGELOTTI	BRA 2001	27.69 RUSS PATRICK	CAN 2003
2:04.24 ROSA SELLARES	ESP 2005	3:56.60 MARTIN HOHL	SUI 2009	27.71 ADAM RITTER	USA 2013
2:05.36 MARGE ANDERSON	CAN 1998	3:56.66 AURELIEN COQ	FRA 2004	27.76 EDUARDO FISCHER	BRA 2005
100 M. BACK		3:57.03 ERIC NILSSON	USA 2013	28.11 NAOKI NAGURA	JPN 2006
2:55.44 MIEKO NAGAOKA	JPN 2009	3:57.24 STEVEN MELLOR	GBR 2000	28.18 MITSUHIRO MARU	JPN 2008
3:25.37 EDITH HENDRY	USA 2006	3:58.23 ALEX KOSTICH	USA 1997	28.25 KOTARO MORITA	JPN 2010
4:07.69 MARY LATHRAM	USA 2010	3:59.78 GAVIN LILLEY	GBR 1993	28.26 MATTHIAS RUMPF	GER 2005
4:08.35 BERNARDA ANGULO	ESP 2008	4:00.64 G.ORPHANIDES	GBR 2003	28.28 NICOLAS CANIVET	FRA 2004
4:12.61 SHIZUE SHIMIZU	JPN 2006	4:00.87 D.STOCKINGER	AUT 2008	100 M. BRST	
4:36.75 ROSA SELLARES	ESP 2005	800 M. FREE		59.21 EETU KARVONEN	USA 2013
5:12.32 MARGO BATES	AUS 2007	8:07.91 A.ANGELOTTI	BRA 2001	59.59 RYO KOBAYASHI	JPN 2013
200 M. BACK		8:13.81 G.ORPHANIDES	GBR 2003	1:00.28 EDUARDO FISCHER	BRA 2005
6:24.50 MIEKO NAGAOKA	JPN 2009	8:14.75 ALEX KOSTICH	USA 1997	1:01.48 KOTARO MORITA	JPN 2010
7:36.62 EDITH HENDRY	USA 2006	8:17.80 ERIC NILSSON	USA 2013	1:01.49 MITSUHIRO MARU	JPN 2008
9:20.51 BERNARDA ANGULO	ESP 2008	8:21.79 G.SPLITTGERBER	GER 2000	1:01.62 GARY MARSHALL	USA 2009
9:37.39 ROSA SELLARES	ESP 2005	8:22.21 KOHEI FUKAYA	JPN 2009	1:02.01 HAJIME IKEGAMI	JPN 2010
11:55.69 MARGO BATES	AUS 2007	8:25.06 JASON NIELSON	USA 1996	1:02.03 KAMIL KASPROWICZ	GER 2010
50 M. BRST		8:26.25 SYLVAIN CROS	FRA 2009	1:02.11 WOLFGANG MAIER	GER 2013
2:25.20 MIEKO NAGAOKA	JPN 2010	8:26.37 CRAIG PICKERING	USA 2006	1:02.11 JESPER KRISTENSEN	DEN 2009
3:04.75 KATH JOHNSTONE	NZL 2013	8:28.33 ANDREA MARCATO	ITA 2002	200 M. BRST	
100 M. I.M.		1500 M. FREE		2:10.68 RYO KOBAYASHI	JPN 2013
3:54.89 MARIE KELLEHER	USA 2008	15:29.68 G.ORPHANIDES	GBR 2003	2:14.44 CHRISTOPHER JONES	GBR 2007
*****		15:41.81 ALEX KOSTICH	USA 1997	2:15.42 SIMON LEIGHFIELD	AUS 2002
WOMEN 100-104		15:56.29 MARTIN HOHL	SUI 2008	2:16.46 CHIKAHIDE ENDO	JPN 2013
*****		16:08.62 TAMMO SCHROEDER	GER 2009	2:16.98 TAKAHIRO NETSU	JPN 2013
50 M. BACK		16:15.61 CRAIG PICKERING	USA 2006	2:17.95 ANDREA CAVALLETTI	ITA 2013
3:53.60 ROSA SELLARES	ESP 2010	16:16.13 JOHN CALNAN	CAN 2006	2:18.21 FABIO SILVA	BRA 2006
*****		16:23.21 ROB J MACKLE	USA 1992	2:18.31 KOICHI MASUI	JPN 2010
M E N 25-29		16:26.02 MASAKAZU TAKASE	JPN 2012	2:18.40 TAKEO SASAOKA	JPN 2010
*****		16:26.54 TONY DAY	GBR 1991	2:18.42 KAMIL KASPROWICZ	GER 2010
*****		16:29.14 RICCARDO RUSSO	ITA 2006	50 M. FLY	
50 M. FREE		50 M. BACK		23.53 DARIAN TOWNSEND	USA 2013
		24.55 DARIAN TOWNSEND	USA 2013	23.66 DAISUKE ABE	JPN 2009



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23.70	OLIVER WENZEL	GER	2009	50 M. FREE		24.81	DERYA BUYUKUNCU	USA	2009
23.95	DANIEL BELINI	BRA	2009	21.98	NICHOLAS BRUNELLI USA 2011	24.92	KEVIN DOAK	USA	2012
24.10	M. PATTERSON	AUS	2011	22.13	THOMAS RUPPRATH GER 2009	25.54	MARTIN ZUBERO	USA	2001
24.17	GLAUBER SILVA	BRA	2011	22.24	DAVID MAITRE FRA 2011	25.59	THIAGO PINTO	BRA	2008
24.24	D. BURGESS LAIRD	USA	1989	22.39	ANTHONY ERVIN USA 2011	25.67	HAJIME ITOI	JPN	2001
24.29	STEFAN HERBST	GER	2004	22.41	S.KUNZELMANN GER 2008	25.70	FERNANDO ALAEZ	ESP	2009
24.30	SERGEY MUKHIN	RUS	2013	22.61	LEANDRO OKUDA BRA 2009	25.76	T.TAKEMURA	JPN	2009
24.33	A.PADALETCH	RUS	2012	22.66	ALEKSEY MANZHULA RUS 2013	25.78	NICHOLAS BRUNELLI	USA	2011
100 M. FLY				22.68	ANDREW MANLEY GBR 2008	25.95	DEREK ROBINSON	USA	2000
52.45	DARIAN TOWNSEND	USA	2013	22.68	AUSTYN SHORTMAN GBR 2003	26.03	MARTIN HARRIS	GBR	2000
52.92	DANIEL BELINI	BRA	2009	22.74	ALEXANDER REHDER BRA 2009	100 M. BACK			
53.04	KIYOTAKA INOUE	JPN	2013	100 M. FREE		52.68	DERYA BUYUKUNCU	USA	2009
53.63	TAKUYA HASEGAWA	JPN	2013	49.04	S.KUNZELMANN GER 2008	55.17	KEVIN DOAK	USA	2012
53.72	KEI NAKASHIMA	JPN	2009	49.30	TAMAS KEREKJARTO USA 2009	55.19	MARTIN ZUBERO	USA	2003
53.82	JEFF DASH	USA	2008	49.95	FERNANDO ALAEZ ESP 2009	55.78	MARTIN HARRIS	GBR	2000
53.93	STEFAN HERBST	GER	2004	49.97	ANDREW MANLEY GBR 2008	55.98	TAKUMA YAMAOKA	JPN	2008
54.51	HIROAKI GOTO	JPN	2010	50.02	NICHOLAS BRUNELLI USA 2011	56.14	TAKAFUMI OISHI	JPN	2006
54.57	MAKSIM GANIKHIN	RUS	2012	50.19	D.STOCKINGER AUT 2012	56.16	THIAGO PINTO	BRA	2008
54.59	A.PADALETCH	RUS	2012	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	56.44	MARCO MACCIANTI	ITA	2013
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
53.47	DARIAN TOWNSEND	USA	2013	1:52.68	D.STOCKINGER AUT 2013	2:04.70	N.DELL'ANDEEA	ITA	2010
54.10	ADAM RITTER	USA	2013	1:52.83	BRUCE HAYES USA 1994	50 M. BRST			
55.13	YUTA SHOJI	JPN	2010	400 M. FREE		26.77	JORGE ALONZO	ESP	2009
55.20	STEFAN HERBST	GER	2004	3:57.47	TAMAS KEREKJARTO USA 2009	27.11	MARCELO TOMAZINI	BRA	2009
55.78	OLIVER WENZEL	GER	2009	3:58.40	ALEX KOSTICH USA 2000	27.73	CARLOS ALENCAR	BRA	2009
55.97	IKUMI HASEGAWA	JPN	2012	3:59.83	BRUCE HAYES USA 1994	27.81	THOMAS RUPPRATH	GER	2009
56.13	NAOKI NAGURA	JPN	2008	4:00.26	SEBASTIAN WIESE GER 2004	28.01	JEFF COMMINGS	USA	2008
56.36	NAOYA HIRANO	JPN	2012	4:00.36	FABIEN CZACHOR FRA 2009	28.20	RYOSUKE IMAI	JPN	2011
56.39	FRANK ZIO	USA	2011	4:02.06	RAPHAEL VIEIRA BRA 2008	28.27	MATTHIAS RUMPF	GER	2009
56.42	HIDEKI SAKAI	JPN	2011	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
1:59.79	ADAM RITTER	USA	2013	4:02.80	CRAIG PICKERING USA 2008	100 M. BRST			
2:00.56	STEFAN HERBST	GER	2006	800 M. FREE		1:00.81	ED MOSES	USA	2011
2:01.58	DEAN KENT	NZL	2005	8:17.06	ALEX KOSTICH USA 2000	1:00.95	RYOSUKE IMAI	JPN	2011
2:02.48	RYOYA TAGUCHI	JPN	2011	8:19.13	SEBASTIAN WIESE GER 2004	1:01.07	KYOSUKE YONEHARA	JPN	2010
2:03.28	AURELIEN COQ	FRA	2004	8:19.44	BRUCE HAYES USA 1994	1:01.15	K.GILCHRIST	GBR	2013
2:04.10	IKUMI HASEGAWA	JPN	2010	8:22.07	DAVID GENET FRA 2013	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	8:29.34	JOSE HERVAS ESP 2013	1:01.94	HIROYUKI KOSAKA	JPN	2010
400 M. I.M.				8:29.51	CRAIG PICKERING USA 2008	1:02.32	TOMASZ DUSZYNSKI	POL	2009
4:14.51	IKUMI HASEGAWA	JPN	2009	8:32.66	ANDREA MARCATO ITA 2006	1:02.40	CARLOS ALENCAR	BRA	2009
4:20.94	DEAN KENT	NZL	2005	8:33.69	JULIEN BAILLOD SUI 2013	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	2:13.16	K.GILCHRIST	GBR	2013
4:28.12	GIORGIO PAOLETTI	ITA	2012	16:09.53	JULIEN BAILLOD SUI 2013	2:13.60	KAZUYA KOIKE	JPN	2009
4:28.38	RAYMOND VD MERWE	NED	2012	16:11.71	ANDREA MARCATO ITA 2004	2:15.71	CHRISTOPHER JONES	GBR	2013
4:30.05	DAVID HOLMES	GBR	2009	16:12.03	FABIEN CZACHOR FRA 2009	2:15.72	TOMASZ DUSZYNSKI	POL	2007
4:30.42	SYLVAIN CROS	FRA	2009	16:15.49	MIKE SHAFFER USA 1995	2:16.60	NICK GILLINGHAM	GBR	2001
4:30.99	MARCEL RINZLER	USA	2000	16:19.32	MARTIN HOHL SUI 2013	2:17.56	ROQUE SANTOS	USA	1999
*****				16:19.78	DAVID GENET FRA 2012	2:17.92	TIMOTHY CARLSON	USA	2009
*****				16:21.25	BRUCE HAYES USA 1994	2:18.46	RYUTARO MORITA	JPN	2009
M E N 30-34				16:21.80	CRAIG PICKERING USA 2008	50 M. FLY			
*****				50 M. BACK		22.87	THOMAS RUPPRATH	GER	2009

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24.10	FERNANDO ALAEZ	ESP	2009	*****	50	M.	BACK				
24.11	LEANDRO OKUDA	BRA	2009	50	M.	FREE	25.72	EDILSON SILVA	USA	2009	
24.20	TAKASHI NISHIYAMA	JPN	2009	21.53	MARK FOSTER	GBR	2007	25.86	MICHAEL ROSS	USA	2004
24.32	MARCELO TOMAZINI	BRA	2009	22.47	JOHN MIRANDA	SWE	2000	26.10	C.SORRENTINO	ITA	2010
24.36	HAJIME ITOI	JPN	2003	22.73	FELIPE DELGADO	USA	2009	26.24	STEV THELOKE	GER	2013
24.64	ZSOLT GASPARGAS	USA	2009	22.86	JEROME LE COQ	FRA	2010	26.36	LEONARDO GOMES	BRA	2010
24.64	BRIAN ALDERMAN	USA	1999	22.96	STEPHANE MEYER	FRA	2009	26.58	KENTARO NAKAMURA	JPN	2010
24.65	OSWALDO QUEVEDO	USA	2007	22.97	GLENN COUNTS	USA	2012	26.59	HIDEAKI OGAWA	JPN	2013
24.67	ALEXANDER KAHL	GER	2007	23.02	BRIAN JACOBSON	USA	2008	26.67	MARCIN KACZMAREK	POL	2012
100	M.	FLY		23.04	M.GIALDI	ITA	2004	26.69	ANDRE CORDEIRO	BRA	2009
52.63	STEFAN HERBST	GER	2011	23.12	JAN KARLSSON	SWE	2003	26.72	JEFF WELECHUK	CAN	2009
54.10	TAMAS KEREKJARTO	USA	2009	23.13	ALEXANDRE CASINOS	ESP	2013	100	M.	BACK	
54.20	TAKAHIRO MORI	JPN	2011	100	M.	FREE		55.95	MICHAEL ROSS	USA	2004
54.28	S.KUNZELMANN	GER	2008	49.53	JOHN MIRANDA	SWE	2000	56.42	JEFF WELECHUK	CAN	2009
54.50	MARCELO TOMAZINI	BRA	2009	50.54	STEPHANE MEYER	FRA	2009	56.93	RON KARNAUGH	USA	2002
54.66	HIROKI NAKAZONO	JPN	2009	50.72	MICHAEL PICOTTE	USA	2009	57.14	DEREK GUFFEY	USA	2009
54.82	HIROSHI MIURA	JPN	1996	50.82	EIJI NOMURA	JPN	2010	57.19	JEFF COMMINGS	USA	2009
54.85	BRIAN ALDERMAN	USA	1999	50.85	GLENN COUNTS	USA	2012	57.24	M.EROLI	ITA	2013
55.06	NAOYUKI KOBAYASHI	JPN	2009	50.91	OLIVER PLANES	ESP	2013	57.25	TAKUMA YAMAOKA	JPN	2013
55.11	TIMOTHY CARLSON	USA	2009	51.01	RON KARNAUGH	USA	2003	57.54	STEV THELOKE	GER	2013
200	M.	FLY		51.11	ISAMU TSUZUKI	JPN	2010	57.60	KENTARO NAKAMURA	JPN	2010
1:59.51	MARCELO TOMAZINI	BRA	2009	51.31	MICHAEL ROSS	USA	2004	57.69	CHRIS JONES	GBR	2006
2:00.21	HIROSHI MIURA	JPN	2000	51.38	GO KUWATA	JPN	2010	200	M.	BACK	
2:00.50	TAMAS KEREKJARTO	USA	2009	200	M.	FREE		2:00.34	RON KARNAUGH	USA	2002
2:02.22	LOIC LEROY	FRA	2012	1:51.31	ERIK HOCHSTEIN	USA	2003	2:01.55	STEFAN HERBST	GER	2013
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	2:06.45	TAKUMA YAMAOKA	JPN	2013
100	M.	I.M.		1:53.72	CLAUS IVERSEN	DEN	2013	2:06.95	YOSHIHITO NAKAHARA	JPN	2005
55.00	STEFAN HERBST	GER	2008	1:54.14	ISAMU TSUZUKI	JPN	2012	2:07.12	JEROME FRENTSOS	USA	2000
55.77	NICHOLAS BRUNELLI	USA	2011	1:54.16	JACOB CARSTENSEN	DEN	2013	50	M.	BRST	
56.34	FERNANDO ALAEZ	ESP	2009	400	M.	FREE		27.79	JEFF COMMINGS	USA	2009
56.36	ATTILA CZENE	SWE	2004	3:57.77	ERIK HOCHSTEIN	USA	2003	28.30	STEVE WEST	USA	2009
56.43	HIROYUKI KOSAKA	JPN	2010	3:58.50	F.SILVESTRI	ITA	2002	28.63	PER SVANBERG	SWE	2009
56.46	TAMAS KEREKJARTO	USA	2009	3:59.71	JACOB CARSTENSEN	DEN	2013	28.75	RON KARNAUGH	USA	2002
56.66	MARTIN ZUBERO	USA	2003	4:01.78	RON KARNAUGH	USA	2003	28.76	RYOSUKE IMAI	JPN	2013
56.83	DERYA BUYUKUNCU	USA	2008	4:02.35	SEBASTIAN WIESE	GER	2007	28.77	WALLY DICKS	USA	1998
56.87	JEFF COMMINGS	USA	2008	4:02.52	MIKE SHAFFER	USA	2000	28.87	GERALD MORKEN	GER	1997
57.02	JACOB CARSTENSEN	DEN	2009	4:03.90	NICOLAS GRANGER	FRA	2002	28.88	IVAN AGIRRE	ESP	2013
200	M.	I.M.		4:05.07	GARRY MEIKLEJOHN	JPN	2009	28.94	ALAN PESSOTTI	BRA	2008
1:57.68	TAMAS KEREKJARTO	USA	2009	4:05.29	ALEX KOSTICH	USA	2009	28.95	RON DEKKER	NED	2003
1:58.13	STEFAN HERBST	GER	2008	4:05.84	ANDREA MARCATO	ITA	2009	100	M.	BRST	
2:02.20	HIROYUKI KOSAKA	JPN	2010	800	M.	FREE		1:01.18	RYOSUKE IMAI	JPN	2013
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	1:03.31	IVAN AGIRRE	ESP	2013
4:19.69	TAMAS KEREKJARTO	USA	2009	8:32.29	JUAN C VALLEJO	ESP	2000	1:03.77	PER SVANBERG	SWE	2009
4:22.35	ASUKA KOIZUMI	JPN	2009	8:33.28	SEBASTIAN WIESE	GER	2007	200	M.	BRST	
4:26.74	ROQUE SANTOS	USA	1999	1500	M.	FREE		2:15.64	STEVE WEST	USA	2011
4:27.02	JOCHEN HANZ	GER	2008	15:56.57	ALEX KOSTICH	USA	2009	2:16.49	NICK GILLINGHAM	GBR	2004
4:28.83	K.GILCHRIST	GBR	2013	15:58.20	BOBBY PATTEN	USA	1999	2:17.96	RON KARNAUGH	USA	2002
4:29.07	ALEX KOSTICH	USA	2000	16:03.47	MIKE SHAFFER	USA	2000	2:18.62	HIROYUKI KOSAKA	JPN	2011
4:32.23	JEROME FRENTSOS	USA	1999	16:05.94	RICHARD STANNARD	GBR	2009	2:18.68	V.KIRJANOV	LAT	2009
4:33.78	JULIEN BAILLOD	SUI	2011	16:07.85	FRED CLATWORTHY	GBR	2009	2:20.24	MAXIM PODOPRIGORA	AUT	2013
4:34.73	C.SORRENTINO	ITA	2007	16:11.68	IGOR PIOVESAN	ITA	2009	2:20.26	WALLY DICKS	USA	2000
4:35.97	BRUCE HAYES	USA	1994	16:12.88	ERIK HOCHSTEIN	USA	2003	2:20.49	HAJIME MORIMOTO	JPN	2003
*****				16:17.38	DANIEL SERRA	ESP	2007	2:20.91	RYUTARO MORITA	JPN	2010
				16:20.54	NICOLAS GRANGER	FRA	2006	2:20.99	ALBERTO MONTINI	ITA	2005
				16:24.14	OLIVIER VAHE	FRA	2008	50	M.	FLY	
	M E N 35-39										



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22.97	LIONEL BRAHIM	FRA 2010	M E N 40-44		16:42.00	GEORGE TIDMARSH	USA 2003	
23.64	ADAM PINE	AUS 2011	*****		50 M.	BACK		
23.72	LARS FROLANDER	SWE 2011	50 M.	FREE	25.53	MICHAEL ROSS	USA 2009	
24.03	EIJI NOMURA	JPN 2010	23.06	M.GIALDI	ITA 2010	25.94	EDILSON JUNIOR	BRA 2012
24.48	JAN KARLSSON	SWE 2003	23.13	BRIAN JACOBSON	USA 2013	26.56	CHRIS STEVENSON	USA 2008
24.87	GLENN COUNTS	USA 2012	23.18	VLADIMIR PREDKIN	RUS 2013	26.59	GIUSEPPE TIANO	ITA 2009
24.89	MAKIO ENDO	JPN 2010	23.25	ERIK HOCHSTEIN	USA 2008	26.80	SHUJI AZUMA	JPN 2009
25.14	IGOR MARCHENKO	USA 2011	23.45	MICHAEL ROSS	USA 2009	27.05	JEFF WELECHUK	CAN 2011
25.17	MASATERU IKEDA	JPN 2010	23.59	ISAMU TSUZUKI	JPN 2013	27.09	JIRKA LETZIN	GER 2012
25.22	BEN HARKIN	GBR 2013	23.61	PAUL CLEMENCE	GBR 2013	27.10	MARTIN ZUBERO	USA 2012
100 M.	FLY		23.67	GO KUWATA	JPN 2013	27.15	HARALD MAISCH	GER 2011
52.24	ADAM PINE	AUS 2011	23.68	R.ALVES SANTOS	BRA 2003	27.21	HIROYOSHI MAETOGE	JPN 2009
54.27	IGOR MARCHENKO	USA 2011	23.73	STEFAN OPATRIL	AUT 2008	100 M.	BACK	
54.56	EIJI NOMURA	JPN 2010	100 M.	FREE		54.85	MICHAEL ROSS	USA 2008
54.70	M.EROLI	ITA 2012	50.43	MICHAEL ROSS	USA 2008	55.90	CHRIS STEVENSON	USA 2008
55.16	GLENN COUNTS	USA 2012	50.45	ERIK HOCHSTEIN	USA 2009	57.66	ERIC ERICSON	USA 2002
55.20	STEFAN HERBST	GER 2013	51.57	MIKE VAROZZA	USA 2009	57.73	GIUSEPPE TIANO	ITA 2009
55.22	MASATERU IKEDA	JPN 2010	51.76	EIJI NOMURA	JPN 2012	57.80	JEFF WELECHUK	CAN 2011
55.24	STEPHANE MEYER	FRA 2009	51.96	M.GIALDI	ITA 2010	58.23	EDILSON JUNIOR	BRA 2012
55.68	ISAMU TSUZUKI	JPN 2012	52.03	VLADIMIR PREDKIN	RUS 2013	58.28	J CLAY BRITT	USA 2003
55.85	JIM HARVEY	USA 2001	52.07	KAI DITZEL	GER 2004	58.65	MARTIN ZUBERO	USA 2012
200 M.	FLY		52.07	CYRO DELGADO	BRA 2002	58.85	HIROYOSHI MAETOGE	JPN 2009
2:03.05	M.EROLI	ITA 2012	52.08	ISAMU TSUZUKI	JPN 2013	58.98	YOSHINORI IWASAKI	JPN 2012
2:03.31	EIJI NOMURA	JPN 2009	52.35	HENRIK JOHANSSON	SWE 2008	200 M.	BACK	
2:03.76	FERNANDO ALAEZ	ESP 2011	200 M.	FREE		2:03.84	MICHAEL ROSS	USA 2008
2:04.06	ISAMU TSUZUKI	JPN 2012	1:50.08	MICHAEL ROSS	USA 2008	2:04.96	CHRIS STEVENSON	USA 2008
2:04.50	BOBBY PATTEN	USA 1999	1:51.95	ERIK HOCHSTEIN	USA 2009	2:06.66	MARK VOGEL	DEN 2010
2:05.84	MIKE SHAFFER	USA 2000	1:53.03	KAI DITZEL	GER 2004	2:07.16	NICOLAS GRANGER	FRA 2010
2:06.23	ERIK HOCHSTEIN	USA 2003	1:54.62	ALBERTO MONTINI	ITA 2010	2:07.78	JEFF WELECHUK	CAN 2011
2:06.48	WILLIAM SPECHT	USA 1994	1:55.11	F.SILVESTRI	ITA 2003	2:08.22	Y.NAKAHARA	JPN 2010
2:06.65	UWE VOLK	GER 2009	1:55.42	PATRICK BRUNDAGE	USA 2009	2:08.26	ERIC ERICSON	USA 2002
2:06.87	TAIHEI SAKA	JPN 2003	1:55.65	ISAMU TSUZUKI	JPN 2013	2:09.24	MARTIN ZUBERO	USA 2012
100 M.	I.M.		1:55.88	DANIEL SERRA	ESP 2010	2:09.30	DEKE BOTSFORD	CAN 2010
56.36	GLENN COUNTS	USA 2012	1:56.06	CYRO DELGADO	BRA 2005	2:09.61	WILLIAM SPECHT	USA 1998
56.37	C.SORRENTINO	ITA 2010	1:56.44	PAUL SMITH	USA 2001	50 M.	BRST	
56.80	STEFAN HERBST	GER 2013	400 M.	FREE		28.53	STEVE WEST	USA 2013
56.94	RON KARNAUGH	USA 2003	4:00.67	KAI DITZEL	GER 2004	28.76	ALBERTO MONTINI	ITA 2010
56.98	JEFF COMMINGS	USA 2009	4:00.80	ALBERTO MONTINI	ITA 2009	28.89	YOZO FUJII	JPN 2009
57.69	ISAMU TSUZUKI	JPN 2011	4:01.32	ERIK HOCHSTEIN	USA 2009	28.90	VLADIMIR BRAGIN	RUS 2011
58.00	M.EROLI	ITA 2013	4:04.69	NICOLAS GRANGER	FRA 2010	28.98	HIDEAKI TOGO	JPN 2013
58.03	BRIAN JACOBSON	USA 2008	4:05.30	F.SILVESTRI	ITA 2003	29.02	ANDREA AGOSTINONE	ITA 2010
58.18	DEREK GUFFEY	USA 2009	4:05.34	FABIO CALMASINI	ITA 2012	29.08	HAROLD MATLA	NED 2009
58.23	GO KUWATA	JPN 2010	4:06.30	PATRICK BRUNDAGE	USA 2009	29.17	RICO ROLLI	ITA 2009
200 M.	I.M.		4:07.00	ALEJANDRO MORENO	MEX 2009	29.21	YASUHIRO KOMORI	JPN 2013
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	
2:05.28	M.EROLI	ITA 2013	800 M.	FREE		1:01.44	STEVE WEST	USA 2013
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	1:03.08	VLADISLAV BRAGIN	RUS 2011
2:07.21	JIM HARVEY	USA 2001	8:28.16	ALEJANDRO MORENO	MEX 2009	1:03.33	ROQUE SANTOS	USA 2009
2:07.31	UWE VOLK	GER 2009	8:28.23	DANIEL SERRA	ESP 2009	1:03.36	YOZO FUJII	JPN 2010
2:07.31	NICOLAS GRANGER	FRA 2004	8:31.69	KAI DITZEL	GER 2005	1:04.49	FABIO MARUSSIG	ITA 2010
2:07.60	PETER BERMEI	GER 2002	8:31.86	MIKE SHAFFER	USA 2008	1:04.50	MAKOTO ONODERA	JPN 2010
2:07.82	ISAMU TSUZUKI	JPN 2011	8:33.16	F.SILVESTRI	ITA 2003	1:04.53	RICO ROLLI	ITA 2009
400 M.	I.M.		8:33.19	MICHAEL KLEIBER	GER 2003	1:04.63	SHUJI AZUMA	JPN 2009
4:24.36	RON KARNAUGH	USA 2003	8:33.40	FABIO CALMASINI	ITA 2012	1:04.76	BRIAN JACOBSON	USA 2013
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		2:14.36	STEVE WEST	USA 2013
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
4:38.95	JOCHEN HANZ	GER 2013	16:34.84	ALEX KOSTICH	USA 2010	2:24.17	YAMATO TAKAHASHI	JPN 2010
4:39.15	CLAUS IVERSEN	DEN 2013	16:36.21	ERIK HOCHSTEIN	USA 2009	2:24.57	UWE VOLK	GER 2010
			16:37.00	KAI DITZEL	GER 2005	2:24.58	MAKOTO ONODERA	JPN 2010
*****			16:37.00	MICHAEL KLEIBER	GER 2003	2:25.23	SHUJI AZUMA	JPN 2008



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50	M. FLY		*****	16:56.31	MARK DRENNEN	USA	2004
24.72	EIJI NOMURA	JPN	2013	16:58.05	ROBERT BARKER	GBR	2008
24.91	MICHAEL ROSS	USA	2008	50	M. BACK		
24.99	MASATERU IKEDA	JPN	2012	27.02	CHRIS STEVENSON	USA	2009
25.13	HARTMUT BERNER	GER	2005	27.08	HIROYOSHI MAETOGE	JPN	2010
25.29	JAN KARLSSON	SWE	2009	27.20	ANDERS RASMUSSEN	USA	2008
25.41	MIKE VAROZZA	USA	2009	27.24	J CLAY BRITT	USA	2006
25.43	ROBERTO TARRICONE	ITA	2004	27.35	FRITZ BEDFORD	USA	2009
25.58	MIKHAIL GROMOV	RUS	2013	27.45	CRAIG NORREY	GBR	2009
25.73	MAKIO ENDO	JPN	2012	27.59	NICOLAS GRANGER	FRA	2012
25.76	KAZUHIKO YAMAKAWA	JPN	2009	27.65	SHUJI AZUMA	JPN	2013
100	M. FLY		*****	27.97	MARCO COLOMBO	ITA	2009
55.48	EIJI NOMURA	JPN	2013	27.99	STEVE WOOD	USA	2005
55.82	MICHAEL ROSS	USA	2008	100	M. BACK		
55.97	ISAMU TSUZUKI	JPN	2013	57.00	CHRIS STEVENSON	USA	2009
56.18	WILLIAM SPECHT	USA	1998	58.20	HIROYOSHI MAETOGE	JPN	2010
56.31	MASATERU IKEDA	JPN	2012	58.45	NICOLAS GRANGER	FRA	2013
56.50	JIM HARVEY	USA	2007	58.48	J CLAY BRITT	USA	2006
56.62	MIKE VAROZZA	USA	2009	58.75	FELIPE BARRETO	MEX	2009
56.62	HARTMUT BERNER	GER	2005	58.89	ANDERS RASMUSSEN	USA	2008
56.64	ALBERTO MONTINI	ITA	2009	59.17	EDWIN VAN NORDEN	NED	2009
56.73	ERIK HOCHSTEIN	USA	2009	59.86	FRITZ BEDFORD	USA	2011
200	M. FLY		*****	59.91	JAY YARID	USA	2008
2:02.97	WILLIAM SPECHT	USA	1998	1:00.09	FRITZ LEHMAN	USA	2003
2:04.42	EIJI NOMURA	JPN	2012	200	M. BACK		
2:05.72	TOSHIYUKI IBE	JPN	2010	2:05.54	CHRIS STEVENSON	USA	2009
2:06.06	UWE VOLK	GER	2010	2:06.66	NICOLAS GRANGER	FRA	2012
2:06.48	DENNIS BAKER	USA	2005	2:10.43	JAY YARID	USA	2008
2:07.03	MIKE SHAFFER	USA	2008	2:11.22	TAIHEI SAKA	JPN	2009
2:08.46	JAMES BELARDI	USA	1997	2:12.10	WIESLAW MUSIAL	CAN	2003
2:09.08	ALBERTO MONTINI	ITA	2008	2:12.47	ROSS DAVIS	USA	2011
2:09.09	HESS YNTEMA	USA	1995	2:12.87	EDWIN VAN NORDEN	NED	2008
2:09.52	DAVID WARREN	GBR	2011	2:13.09	LEN GUSHE	CAN	2008
100	M. I.M.		*****	2:13.30	KURT DICKSON	USA	2013
57.39	ALBERTO MONTINI	ITA	2010	2:13.36	FRITZ LEHMAN	USA	2003
57.71	MICHAEL ROSS	USA	2008	50	M. BRST		
58.30	ISAMU TSUZUKI	JPN	2013	28.87	RICO ROLLI	ITA	2010
58.94	ROQUE SANTOS	USA	2008	28.88	TODD TORRES	USA	2013
58.98	ERIK HOCHSTEIN	USA	2008	29.62	YOZO FUJII	JPN	2013
59.07	BRIAN JACOBSON	USA	2013	29.85	CHRIS WEISSMAN	USA	2009
59.25	KAZUHIKO YAMAKAWA	JPN	2010	30.06	WALLY DICKS	USA	2009
59.25	SHUJI AZUMA	JPN	2009	30.07	MAKOTO ONODERA	JPN	2013
59.33	STEVE WEST	USA	2013	30.13	GLEN CHRISTIANSEN	SWE	2002
59.37	EIJI NOMURA	JPN	2012	30.21	DAVID GUTHRIE	USA	2008
200	M. I.M.		*****	30.25	GLENN MILLS	USA	2008
2:05.46	ROQUE SANTOS	USA	2009	30.26	FABIO SERVADIO	ITA	2009
2:06.97	NICOLAS GRANGER	FRA	2010	100	M. BRST		
2:07.71	ERIK HOCHSTEIN	USA	2008	1:04.39	TODD TORRES	USA	2013
2:07.88	UWE VOLK	GER	2010	1:04.62	RICO ROLLI	ITA	2011
2:07.96	PETER BERMEL	GER	2007	1:04.69	CHRIS WEISSMAN	USA	2009
2:08.13	ALBERTO MONTINI	ITA	2009	1:04.80	YOZO FUJII	JPN	2013
2:09.46	LORENZO BENUCCI	USA	2008	1:05.09	MAKOTO ONODERA	JPN	2013
2:09.73	ISAMU TSUZUKI	JPN	2013	1:05.16	HAJIME MORIMOTO	JPN	2013
2:09.74	BRIAN JACOBSON	USA	2013	1:05.48	DAVID GUTHRIE	USA	2009
2:09.77	DAVID WARREN	GBR	2011	1:05.74	GLENN MILLS	USA	2008
400	M. I.M.		*****	1:05.80	ALBERTO MONTINI	ITA	2013
4:31.92	UWE VOLK	GER	2011	1:06.32	NEWTON KAMINSKI	BRA	2010
4:32.05	ROQUE SANTOS	USA	2008	200	M. BRST		
4:33.90	ALBERTO MONTINI	ITA	2009	2:20.41	ALBERTO MONTINI	ITA	2013
4:35.15	ERIK HOCHSTEIN	USA	2008	2:21.92	HAJIME MORIMOTO	JPN	2013
4:35.57	NICOLAS GRANGER	FRA	2007	2:22.68	GLENN MILLS	USA	2008
4:37.02	DARIUSZ WOLNY	POL	2000	2:23.74	DAVID GUTHRIE	USA	2009
4:39.78	PATRICK BRUNDAGE	USA	2008	2:25.62	RICO ROLLI	ITA	2011
4:40.07	ISAMU TSUZUKI	JPN	2013	2:25.80	SHUJI AZUMA	JPN	2012
4:40.54	A.BORGIALLI	ITA	2013	2:26.24	MAKOTO ONODERA	JPN	2012
4:40.79	KEVIN DOHERTY	USA	2013	2:27.76	NEWTON KAMINSKI	BRA	2010
				2:28.37	THOMAS LIGL	GER	2009



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2:28.74	J.MELLADO	FRA	2009		17:32.20	JIM CLEMMONS	USA	2001			
50 M. FLY				*****	17:32.74	DENNIS BAKER	USA	2012			
25.58	JAN KARLSSON	SWE	2013	M E N 50-54	17:33.73	FRANCIS CHRISTIAN	AUS	2008			
25.74	FRITZ BEDFORD	USA	2009	*****	50 M. BACK						
25.78	CHRIS STEVENSON	USA	2009	50 M. FREE	27.36	FRITZ BEDFORD	USA	2013			
25.80	MATTHEW BIONDI	USA	2012	23.38	ROWDY GAINES	USA	2009	27.66	CRAIG NORREY	SUI	2011
25.82	PAUL SMITH	USA	2007	23.96	BRENT BARNES	JPN	2010	27.71	STEVE WOOD	USA	2011
25.84	PAUL CARTER	USA	2003	24.26	PAUL TREVISAN	USA	2003	28.37	JAMIE FOWLER	USA	2009
25.96	STEVE HILTABIDDLE	USA	2011	24.74	DMITRI KHODKO	SWE	2009	28.40	MARCO COLOMBO	ITA	2010
25.99	ANDERS RASMUSSEN	USA	2008	24.74	V.GALAVTINE	FRA	2003	28.67	HIROSHI SHIBUYA	JPN	2010
26.08	METELLO SAVINO	ITA	2009	24.77	PAUL SMITH	USA	2009	28.69	GIANNI BERTOLI	ITA	2010
26.11	MIKE VAROZZA	USA	2012	24.80	DAN THOMPSON	CAN	2009	28.75	CLAY BRITT	USA	2011
100 M. FLY				24.86	PHILIPPE MORELLE	BEL	2006	28.85	MARIO LLORET	ESP	2009
56.78	DEKE BOTSFORD	CAN	2012	24.87	RICHARD KAMMERER	USA	2009	28.96	V.GALAVTINE	FRA	2004
57.17	PAUL CARTER	USA	2003	24.91	FRITZ BEDFORD	USA	2013	100 M. BACK			
57.20	NICOLAS GRANGER	FRA	2013	100 M. FREE				59.91	FRITZ BEDFORD	USA	2013
57.37	CHRIS STEVENSON	USA	2010	51.61	ROWDY GAINES	USA	2009	59.92	STEVE WOOD	USA	2011
58.02	PAUL SMITH	USA	2007	53.87	BOB BUGG	USA	2009	1:00.38	JAMIE FOWLER	USA	2009
58.03	ANDERS RASMUSSEN	USA	2009	54.29	BRENT BARNES	JPN	2009	1:01.48	TOM WOLF	USA	2004
58.10	WILLIAM SPECHT	USA	2004	54.40	RICHARD KAMMERER	USA	2009	1:01.86	WIESLAW MUSIAL	CAN	2009
58.29	MARCEL EKKELBOOM	GER	2009	54.61	PAUL TREVISAN	USA	2003	1:01.89	MARIO LLORET	ESP	2009
58.30	HIROSHI MIURA	JPN	2012	54.73	DMITRI KHODKO	SWE	2009	1:01.90	CRAIG NORREY	SUI	2011
58.35	DENNIS BAKER	USA	2006	55.17	MARK REYNOLDS	GBR	2013	1:01.92	GIANNI BERTOLI	ITA	2009
200 M. FLY				55.34	EDGARS OZOLINSH	LAT	2012	1:01.99	CLAY BRITT	USA	2011
2:06.40	DENNIS BAKER	USA	2006	55.35	JACK GROSSELLE	USA	2007	1:02.39	V.GALAVTINE	FRA	2004
2:09.06	WILLIAM SPECHT	USA	2003	55.37	LEE MENCH	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	ROWDY GAINES	USA	2011	2:13.05	WIESLAW MUSIAL	CAN	2009
2:09.92	ALBERTO MONTINI	ITA	2013	1:56.75	BOB BUGG	USA	2009	2:14.03	TOM WOLF	USA	2004
2:10.12	MIKE SHAFFER	USA	2012	1:58.37	JIM MCCONICA	USA	2000	2:14.34	LEN GUSHE	CAN	2013
2:10.72	DEKE BOTSFORD	CAN	2012	2:00.31	PAUL SMITH	USA	2009	2:15.10	SCOTT SHAKE	USA	2008
2:10.95	TAIHEI SAKA	JPN	2011	2:01.56	EDGARS OZOLINSH	LAT	2012	2:15.90	FRITZ BEDFORD	USA	2013
2:11.66	KAI DITZEL	GER	2008	2:02.63	MARK REYNOLDS	GBR	2013	2:16.60	GIANNI BERTOLI	ITA	2009
2:13.29	MICHAEL SCHMIDT	USA	2008	2:03.08	MARCUS MATTIOLI	BRA	2012	2:16.84	EDWIN VAN NORDEN	NED	2013
100 M. I.M.				2:03.10	LARRY KRAUSER	USA	2003	2:19.30	STANLEY VELA	GBR	2012
57.68	NICOLAS GRANGER	FRA	2012	2:03.15	LEN GUSHE	CAN	2013	2:19.32	DAVE TOWN	CAN	2012
1:00.13	EDWIN VAN NORDEN	NED	2009	2:03.25	FRANCESC COLL	ESP	2012	50 M. BRST			
1:00.14	ANDERS RASMUSSEN	USA	2009	400 M. FREE				29.84	DAVID GUTHRIE	USA	2013
1:00.21	ALBERTO MONTINI	ITA	2013	4:07.99	JIM MCCONICA	USA	2000	30.69	STUART MOFFATT	AUS	2013
1:00.29	MARCO COLOMBO	ITA	2006	4:12.12	BOB BUGG	USA	2009	30.91	GLEN CHRISTIANSEN	SWE	2009
1:00.44	JEROME FRENTSOS	USA	2010	4:13.01	MARCUS MATTIOLI	BRA	2011	31.06	RONNY OLTNER	SWE	2007
1:00.46	ALEX BAUMANN	CAN	2009	4:17.25	ANDREW BRAY	USA	2011	31.08	BENN DOYLE	USA	2008
1:00.49	SHUJI AZUMA	JPN	2013	4:18.96	MARK DRENNEN	USA	2006	31.10	GARY PATTERSON	USA	2009
1:00.49	JOSEF HLADKY	GER	2008	4:21.00	MICHAEL KLEIBER	GER	2013	31.14	ANDREA FLORIT	ITA	2010
1:00.57	RICHARD HUGHEY	USA	2008	4:21.05	LEN GUSHE	CAN	2013	31.22	MARK SCHREMMER	USA	2009
200 M. I.M.				4:21.85	FRANCIS CHRISTIAN	AUS	2008	31.23	TADASHI FUJIMOTO	JPN	2013
2:04.64	NICOLAS GRANGER	FRA	2012	4:22.11	JOSE FREITAS	POR	2013	31.24	DON MC KENZIE	USA	1997
2:09.71	JEROME FRENTSOS	USA	2010	4:23.19	GRAHAM WELBOURN	CAN	2012	100 M. BRST			
2:10.49	TAIHEI SAKA	JPN	2009	800 M. FREE				1:04.54	DAVID GUTHRIE	USA	2013
2:11.28	ANDERS RASMUSSEN	USA	2009	8:44.51	JIM MCCONICA	USA	2000	1:08.27	BENN DOYLE	USA	2008
2:11.84	ALBERTO MONTINI	ITA	2013	8:49.96	ANDREW BRAY	USA	2011	1:08.56	GLEN CHRISTIANSEN	SWE	2009
2:11.92	EDWIN VAN NORDEN	NED	2009	8:53.48	MARK DRENNEN	USA	2006	1:08.95	GARY PATTERSON	USA	2009
2:12.01	ALEX BAUMANN	CAN	2009	8:57.67	MICHAEL KLEIBER	GER	2013	1:08.97	RONNY OLTNER	SWE	2007
2:13.42	GLENN MILLS	USA	2008	9:04.68	FRANCIS CHRISTIAN	AUS	2008	1:09.40	G.HOFFMANN	USA	2009
2:13.67	FABIO CALMASINI	ITA	2013	9:08.43	LEN GUSHE	CAN	2013	1:09.46	TADASHI FUJIMOTO	JPN	2013
2:14.17	CHRIS WEISSMAN	USA	2009	9:08.53	AMALDO PEREZ	PUR	2013	1:09.49	HAKAN PERSSON	SWE	2013
400 M. I.M.				9:10.06	K.DELLBRUGGE	GER	2012	1:09.55	THOMAS LIGL	GER	2012
4:31.36	NICOLAS GRANGER	FRA	2012	9:11.92	JIM CLEMMONS	USA	2002	1:09.88	TIMOTHY SHEAD	RSA	2002
4:39.19	ALBERTO MONTINI	ITA	2013	9:12.81	R TOD SPIEKER	USA	1998	200 M. BRST			
4:42.15	TAIHEI SAKA	JPN	2009	1500 M. FREE				2:21.65	DAVID GUTHRIE	USA	2013
4:43.58	FABIO CALMASINI	ITA	2013	16:33.02	JIM MCCONICA	USA	2000	2:32.04	C.COENEY	USA	2013
4:43.64	JEROME FRENTSOS	USA	2010	16:52.78	ANDREW BRAY	USA	2011	2:32.06	LINCOLN DJANG	USA	2009
4:44.28	MARCUS MATTIOLI	BRA	2009	16:57.60	MICHAEL KLEIBER	GER	2013	2:32.78	BENN DOYLE	USA	2008
4:46.48	PATRICK BRUNDAGE	USA	2013	17:03.45	MARCUS MATTIOLI	BRA	2011	2:33.38	G.HOFFMANN	USA	2009
4:46.48	MARCO TENDERINI	ITA	2012	17:14.75	MARK DRENNEN	USA	2007	2:33.71	LORENZO MARUGO	ITA	2004
4:46.68	CHRIS STEVENSON	USA	2009	17:23.17	AMALDO PEREZ	PUR	2013	2:34.71	ROBERT STRAND	USA	1996
4:47.13	RICARDO VALDIVIA	USA	2013	17:28.83	JOSE FREITAS	POR	2013	2:34.74	THOMAS LIGL	GER	2012



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2:35.00	GLEN CHRISTIANSEN	SWE	2011	4:58.93	JIM MC CONICA	USA	2001	18:10.34	GLENN CARLSEN	CAN	2012
2:35.16	DAVE TOWN	CAN	2012					18:13.36	LARRY WOOD	USA	2009
50 M. FLY				*****				18:14.38	WILLIAM PENN	USA	2009
25.49	DAN THOMPSON	CAN	2009		M E N 55-59			18:21.89	BRUCE THOMAS	USA	2012
26.12	PAUL CARTER	USA	2007	*****				50 M. BACK			
26.20	PAUL SMITH	USA	2009		50 M. FREE			29.01	TOM BARTON	USA	2012
26.45	WILLIAM SPECHT	USA	2009	24.70	PAUL TREVISAN	USA	2006	29.07	PHILIPP DJANG	USA	2009
26.54	FRITZ BEDFORD	USA	2013	24.91	JACK GROSELLE	USA	2009	29.41	ALISTAIR COCKBURN	USA	2008
26.78	FRITZ HOMANS	USA	2008	25.00	RICH ABRAHAMS	USA	2001	29.62	MARIO LLORET	ESP	2012
26.79	GREG SHAW	USA	2003	25.02	BRENT BARNES	JPN	2013	29.97	JONATHAN KLEIN	USA	2012
26.83	DAVID SIMS	USA	2013	25.25	DAN THOMPSON	CAN	2013	30.15	CASEY CLAFLIN	USA	2008
26.94	ISAMU SHIBAZAKI	JPN	2010	25.38	MIKE TENNANT	USA	2009	30.21	TAKEO HIRAMOTO	JPN	2009
26.96	MARIO LLORET	ESP	2009	25.42	BARRY ROTH	USA	2009	30.24	BRUCE KONE	USA	2013
100 M. FLY				25.55	STEVE BOROWSKI	USA	2002	30.25	HUGH WILDER	USA	2003
57.29	PAUL CARTER	USA	2007	25.58	MICHAEL MANN	USA	2009	30.31	ANDRE STEYNBERG	RSA	2012
58.30	DAVID SIMS	USA	2012	25.69	GARY SCHATZ	USA	2011	100 M. BACK			
58.76	MARIO LLORET	ESP	2009	100 M. FREE				1:03.29	TOM BARTON	USA	2011
59.25	WILLIAM SPECHT	USA	2009	54.50	JACK GROSELLE	USA	2009	1:03.75	PHILIPP DJANG	USA	2009
59.39	DAN THOMPSON	CAN	2009	55.12	PAUL TREVISAN	USA	2006	1:04.89	TIM BIRNIE	USA	2000
59.91	HUGO BREGMAN	NED	2008	56.25	BRENT BARNES	JPN	2013	1:04.91	JONATHAN KLEIN	USA	2012
1:00.08	JOHN MCCALL	USA	2003	56.29	CHARLES LEMAISTRE	USA	2009	1:04.97	MARIO LLORET	ESP	2012
1:00.27	FRITZ HOMANS	USA	2008	56.51	RICH ABRAHAMS	USA	2001	1:05.53	JIM ADAMS	IRL	2007
1:00.32	GREG SHAW	USA	2005	56.74	STEVE BOROWSKI	USA	2002	1:05.56	HUGH WILDER	USA	2002
1:00.82	JOHN VAN BUUREN	CAN	2005	57.19	RICK ABBOTT	USA	2010	1:05.72	ANDRE STEYNBERG	RSA	2012
200 M. FLY				57.28	PHIL DODSON	USA	2009	1:06.04	WIESLAW MUSIAL	CAN	2012
2:11.70	DAVID SIMS	USA	2012	57.29	DAN THOMPSON	CAN	2013	1:06.05	WES EDWARDS	USA	2008
2:12.34	MARCUS MATTIOLI	BRA	2011	57.30	S.D'ALESSANDRO	ITA	1995	200 M. BACK			
2:12.41	DENNIS BAKER	USA	2011	200 M. FREE				2:17.04	TOM BARTON	USA	2011
2:12.54	WILLIAM SPECHT	USA	2009	1:59.08	MICHAEL MANN	USA	2009	2:19.42	PHILIPP DJANG	USA	2009
2:12.90	HUGO BREGMAN	NED	2010	2:03.40	S.D'ALESSANDRO	ITA	1995	2:20.59	JAMES MCCONICA	USA	2005
2:18.02	SCOTT LAUTMAN	USA	2004	2:03.56	JACK GROSELLE	USA	2009	2:21.80	TOD SPIEKER	USA	2003
2:18.56	LEN GUSHE	CAN	2013	2:03.64	JAMES MCCONICA	USA	2005	2:22.01	WIESLAW MUSIAL	CAN	2013
2:18.84	A.TIBERTI	ITA	2013	2:04.97	JAMES RITTER	USA	2013	2:22.25	JIM ADAMS	NED	2006
2:18.88	JOHN CRAIG	USA	2004	2:06.20	TOD SPIEKER	USA	2003	2:24.72	TIM BIRNIE	USA	2000
2:19.51	FRANCIS CHRISTIAN	AUS	2007	2:06.24	DAN STEPHENSON	USA	2012	2:25.81	FRED FERROGGIARO	USA	2008
100 M. I.M.				2:06.83	PHIL DODSON	USA	2009	2:26.41	ROBERT SUPPLE	USA	2010
1:00.96	DAVID SIMS	USA	2012	2:06.94	TIM BIRNIE	USA	2000	2:26.54	MIKE MCINTYRE	CAN	2011
1:01.29	JAMIE FOWLER	USA	2009	2:07.71	SERGE GUERIN	FRA	2012	50 M. BRST			
1:01.54	PAUL SMITH	USA	2009	400 M. FREE				30.50	WALTER KUSCH	GER	2009
1:01.68	ANDERS RASMUSSEN	USA	2013	4:16.03	MICHAEL MANN	USA	2009	31.82	TIMOTHY SHEAD	USA	2009
1:02.25	DAVID GUTHRIE	USA	2013	4:24.92	JIM MCCONICA	USA	2006	31.84	PATRICIO GOMEZ	ESP	2013
1:02.27	MARIO LLORET	ESP	2009	4:28.73	TOD SPIEKER	USA	2003	32.06	G.HOFFMANN	USA	2011
1:02.49	EDWIN VAN NORDEN	NED	2013	4:28.97	J.CHATARD	FRA	2006	32.17	STUART ELLICOTT	AUS	2009
1:02.51	KEN SHILLING	USA	2008	4:31.95	STEVEN PRESCOTT	NZL	2009	32.18	ROBERT STRAND	USA	2001
1:02.68	G.FRANCESCHI	ITA	2013	4:32.27	MARTEN DE GROOT	NED	2013	32.38	ANDY DYER	USA	2013
1:02.75	DMITRI KHODKO	SWE	2009	4:32.83	TIM BIRNIE	USA	2000	32.44	ALEXANDER MILLS	NOR	2006
200 M. I.M.				4:32.85	LARRY WOOD	USA	2009	32.74	TIMUR PODMARYOV	RUS	2013
2:13.40	JAMIE FOWLER	USA	2009	4:32.85	LARRY WOOD	USA	2009	32.79	MARCO STENTELLA	ITA	2010
2:13.89	DAVID SIMS	USA	2013	4:33.06	DAN STEPHENSON	USA	2012	100 M. BRST			
2:14.53	KEN SHILLING	USA	2008	4:33.31	SERGE GUERIN	FRA	2011	1:08.13	WALTER KUSCH	GER	2009
2:16.09	DAVE TOWN	CAN	2012	800 M. FREE				1:09.93	TIMOTHY SHEAD	USA	2009
2:16.73	MARCUS MATTIOLI	BRA	2011	8:51.34	MICHAEL MANN	USA	2009	1:10.56	G.HOFFMANN	USA	2011
2:17.48	PAUL CARTER	USA	2007	9:03.00	JIM MCCONICA	USA	2006	1:11.53	ROBERT STRAND	USA	2001
2:18.23	G.FRANCESCHI	ITA	2013	9:07.40	G.SCARMEL	ITA	2008	1:11.67	TIMUR PODMARYOV	RUS	2012
2:18.51	DAVID GUTHRIE	USA	2013	9:13.15	TOD SPIEKER	USA	2003	1:12.01	RALPH SCHALLON	SUI	2009
2:18.68	SIMON VEALE	GBR	2006	9:25.93	JIM CLEMMONS	USA	2008	1:12.54	MICHAEL MANN	USA	2009
2:18.71	SCOTT SHAKE	USA	2008	9:26.04	R SCOTT TOWNSEND	USA	2009	1:12.59	HIROFUMI MORIMOTO	JPN	2010
400 M. I.M.				9:26.87	GLENN CARLSEN	CAN	2012	1:12.67	ROBERT WEYHENKE	NED	2008
4:48.02	MARCUS MATTIOLI	BRA	2011	9:27.18	SERGE GUERIN	FRA	2011	1:12.79	ANDY DYER	USA	2013
4:50.40	DAVID SIMS	USA	2013	9:29.45	MARC JOUANDON	FRA	2013	200 M. BRST			
4:51.57	JAMIE FOWLER	USA	2009	9:30.05	JOEL KRIGER	BRA	2009	2:33.79	TIMOTHY SHEAD	USA	2009
4:54.69	LEN GUSHE	CAN	2013	1500 M. FREE				2:35.73	G.HOFFMANN	USA	2012
4:55.39	DENNIS BAKER	USA	2012	17:14.15	JAMES MCCONICA	USA	2005	2:36.10	TIMUR PODMARYOV	RUS	2012
4:55.50	LINCOLN DJANG	USA	2009	17:35.21	TOD SPIEKER	USA	2003	2:36.90	RALPH SCHALLON	SUI	2009
4:56.16	A.TIBERTI	ITA	2013	17:56.15	J.CHATARD	FRA	2006	2:37.93	PATRICK ALLENDER	USA	2013
4:57.52	LORENZO MARUGO	ITA	2004	17:58.95	STEVEN PRESCOTT	NZL	2009	2:38.76	ROBERT STRAND	USA	2001
4:58.05	DAVE TOWN	CAN	2011	18:02.40	JIM CLEMMONS	USA	2005	2:39.45	BENN DOYLE	USA	2013
				18:04.07	MARC JOUANDON	FRA	2012				



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2:40.52	ROBERT WEYHENKE	NED	2007	5:14.85	JACK GROSELLE	USA	2012	18:59.27	RICK WALKER	USA	2010
2:40.84	MICHAEL HAMM	USA	2012	5:19.85	GLENN CARLSEN	CAN	2012	19:00.25	GEORGE WENDT	USA	2009
2:41.91	GLEN CHRISTIANSEN	SWE	2012					19:01.56	JOEL KRIGER	BRA	2013
50 M. FLY				*****				19:01.87	SANDY GALLETTY	GBR	2002
26.45	DAN THOMPSON	CAN	2013		M E N 60-64			19:03.57	VITTORIO ERMIRIO	ITA	2003
26.93	GREG SHAW	USA	2009	*****				50 M. BACK			
27.21	STEVE BOROWSKI	USA	2002	50 M. FREE				30.50	TAKEO HIRAMOTO	JPN	2010
27.35	HUGO BREGMAN	NED	2013	24.90	RICH ABRAHAMS	USA	2006	30.80	HUGH WILDER	USA	2009
27.55	BRUCE KONE	USA	2013	25.40	PAUL TREVISAN	USA	2012	31.03	MARC MIDDLETON	USA	2011
27.58	KEVIN MCCORMACK	USA	2008	25.58	DOUG MARTIN	USA	2013	31.31	ROBERT SMITH	USA	2004
27.74	RICH ABRAHAMS	USA	2001	25.87	MARC MIDDLETON	USA	2012	31.50	JOSE LORO	BRA	2009
27.76	DONALD GRAHAM	USA	2009	26.18	RAGNAR JENSEN	NOR	2008	31.52	PETER O'BRIEN	CAN	2009
27.94	JEAN-MARIE CADIAT	BEL	2009	26.25	DAVID CHANEY	GBR	2013	31.64	DAVE WILKIN	CAN	2012
28.10	MARIO LLORET	ESP	2012	26.31	JEFF FARRELL	USA	2000	31.65	RICHARD BURNS	USA	2003
100 M. FLY				26.40	LEONARD BIELICZ	SWE	2012	31.67	JEAN LESTIDEAU	FRA	2008
59.80	DAN THOMPSON	CAN	2013	26.52	ROBERT SMITH	USA	2003	31.79	TIMOTHY SHEAD	USA	2012
1:00.35	GREG SHAW	USA	2006	26.54	FUMIO SHIGENO	JPN	2009	100 M. BACK			
1:00.58	HUGO BREGMAN	NED	2013	100 M. FREE				1:06.27	TIMOTHY SHEAD	USA	2012
1:02.13	STEVEN WALL	GBR	2009	56.63	RICH ABRAHAMS	USA	2008	1:06.99	WES EDWARDS	USA	2013
1:02.64	JIM SAUER	USA	2012	57.61	PAUL TREVISAN	USA	2012	1:07.31	HUGH WILDER	USA	2009
1:02.74	KEVIN MCCORMACK	USA	2009	58.87	BRYAN BATEMAN	USA	2008	1:08.49	FRED FERROGGIARO	USA	2013
1:02.74	STEVE BOROWSKI	USA	2002	58.97	LARRY KRAUSER	USA	2013	1:08.85	RICHARD BURNS	USA	2003
1:03.08	JOHN CRAIG	USA	2009	59.47	LEONARD BIELICZ	SWE	2011	1:09.20	PETER O'BRIEN	CAN	2009
1:03.23	JEAN-MARIE CADIAT	BEL	2009	59.74	TERRY DOWNES	RSA	2009	1:09.20	ROBERT SMITH	USA	2004
1:03.51	LEONARD BIELICZ	SWE	2006	59.76	GLENN GRUBER	USA	2009	1:09.72	PETER O'KEEFFE	USA	2010
200 M. FLY				59.77	ABED OUADAH	FRA	2012	1:10.28	GEORGE SCHMIDT	USA	2010
2:15.97	HUGO BREGMAN	NED	2013	59.79	GERHARD SCHILLER	GER	2009	1:10.54	ALAIN VANACKER	FRA	2013
2:19.72	JOHN CRAIG	USA	2009	59.83	STEVE HECK	USA	2009	200 M. BACK			
2:21.90	GREG SHAW	USA	2007	200 M. FREE				2:27.99	TIMOTHY SHEAD	USA	2012
2:22.13	JAMES MCCONICA	USA	2005	2:07.96	LARRY KRAUSER	USA	2013	2:28.90	WES EDWARDS	USA	2013
2:22.73	FRED SCHLICHER	USA	2003	2:09.50	JIM MC CONICA	USA	2010	2:29.60	JIM MC CONICA	USA	2010
2:23.09	JIM SAUER	USA	2013	2:10.04	FRED SCHLICHER	USA	2008	2:30.96	JOHN CALVERT	USA	2005
2:25.34	SEIICHI YARITA	JPN	2012	2:11.78	DUNCAN MCCREADIE	GBR	2006	2:31.42	ROBERT WEYHENKE	NED	2013
2:25.95	SCOTT LAUTMAN	USA	2008	2:12.14	BERT VOSBERGEN	AUS	2008	2:32.37	FRED FERROGGIARO	USA	2013
2:26.26	DAVID VANDAM	USA	2010	2:12.18	JOHN CALVERT	USA	2005	2:34.17	RICHARD BURNS	USA	2003
2:27.48	FRANCIS CHRISTIAN	AUS	2013	2:12.59	JAMES THORNTON	USA	2012	2:34.71	HUGH WILDER	USA	2007
100 M. I.M.				2:12.62	DIEGO ROJAS	ESP	2013	2:35.01	GEORGE SCHMIDT	USA	2010
1:03.48	TIMOTHY SHEAD	USA	2009	2:13.49	TIM BRODERICK	USA	2011	2:36.63	DIEGO ROJAS	ESP	2013
1:03.69	GREG SHAW	USA	2008	2:14.14	STEVE HECK	USA	2009	50 M. BRST			
1:04.34	ROBERT WEYHENKE	NED	2007	400 M. FREE				32.16	STUART ELLICOTT	AUS	2012
1:05.51	CHARLES LEMAISTRE	USA	2009	4:35.39	JIM MC CONICA	USA	2012	32.31	ROBERT STRAND	USA	2009
1:05.70	IGOR KRAVKOV	ISR	2013	4:40.45	DUNCAN MCCREADIE	GBR	2006	32.45	TIMOTHY SHEAD	USA	2012
1:05.76	PHILIPP DJANG	USA	2009	4:42.39	JIM CLEMMONS	USA	2010	33.50	C.STARZEC	FRA	2012
1:06.09	ALISTAIR COCKBURN	USA	2008	4:43.69	JOHN CALVERT	USA	2005	33.64	YOSHIHIKO OSAKI	JPN	2000
1:06.12	ALBERT BOONSTRA	NED	2012	4:45.97	LARRY KRAUSER	USA	2013	33.71	PETER ANDERSEN	USA	2003
1:06.13	ALEXANDER MILLS	NOR	2006	4:46.14	J.CHATARD	FRA	2013	33.80	TOSHIHARU FUJII	JPN	2011
1:06.14	JACK GROSELLE	USA	2012	4:47.16	JEAN LESTIDEAU	FRA	2007	33.81	PETER HAARSTICK	GER	2012
200 M. I.M.				4:47.93	SANDY GALLETTY	GBR	2002	33.99	ALLEN STARK	USA	2010
2:16.44	MICHAEL MANN	USA	2009	4:47.98	RICK WALKER	USA	2011	34.24	GERSHON SHEFA	ISR	2003
2:21.00	JIM SAUER	USA	2012	4:48.72	JAMES THORNTON	USA	2012	100 M. BRST			
2:21.05	GREG SHAW	USA	2006	800 M. FREE				1:11.08	TIMOTHY SHEAD	USA	2012
2:23.49	ROBERT WEYHENKE	NED	2007	9:28.32	JIM MC CONICA	USA	2012	1:11.77	RICK COLELLA	USA	2011
2:23.60	PHILIPP DJANG	USA	2009	9:43.24	JIM CLEMMONS	USA	2010	1:12.09	ROBERT STRAND	USA	2009
2:24.59	JACK GROSELLE	USA	2012	9:43.83	DUNCAN MCCREADIE	GBR	2005	1:13.55	TOSHIHARU FUJII	JPN	2010
2:24.64	TIM SHEAD	RSA	2007	9:49.73	LARRY KRAUSER	USA	2013	1:14.91	C.STARZEC	FRA	2012
2:24.85	G.HOFFMANN	USA	2011	9:51.72	SANDY GALLETTY	GBR	2002	1:15.00	ALLEN STARK	USA	2009
2:25.63	JIM CLEMMONS	USA	2008	9:53.30	GEORGE WENDT	USA	2009	1:15.02	STUART ELLICOTT	AUS	2013
2:26.70	JAMES MCCONICA	USA	2005	9:56.38	RICK WALKER	USA	2010	1:15.88	ROBERT WEYHENKE	NED	2012
400 M. I.M.				9:58.02	VITTORIO ERMIRIO	ITA	2005	1:15.92	ALBERT KOSTITSIN	FIN	2002
4:51.97	MICHAEL MANN	USA	2009	9:58.99	JAMES MCCLEERY	USA	2006	1:16.56	PETER ANDERSEN	USA	2003
5:00.54	JIM SAUER	USA	2012	10:00.66	J.CHATARD	FRA	2013	200 M. BRST			
5:05.40	LORENZO MARUGO	ITA	2007	1500 M. FREE				2:37.61	RICK COLELLA	USA	2011
5:07.99	HUGO BREGMAN	NED	2013	18:24.21	JIM MC CONICA	USA	2010	2:37.87	TIMOTHY SHEAD	USA	2012
5:08.15	JAMES MCCONICA	USA	2005	18:28.64	JIM CLEMMONS	USA	2010	2:40.76	ROBERT STRAND	USA	2009
5:11.49	GREG SHAW	USA	2007	18:50.59	JAMES MCCLEERY	USA	2007	2:43.53	LORENZO MARUGO	ITA	2012
5:13.29	R TOD SPIEKER	USA	2003	18:54.83	DUNCAN MCCREADIE	GBR	2005	2:46.21	TOSHIHARU FUJII	JPN	2010
5:13.35	JIM CLEMMONS	USA	2008	18:55.42	ALAN BELL	USA	2010	2:47.32	JIM CLEMMONS	USA	2010



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2:48.65 C.STARZEC	FRA 2012	5:32.91 RON ARMSTRONG	CAN 2012	20:04.76 FRANK MCELROY	USA 2013
2:48.67 ALLEN STARK	USA 2011	5:33.42 STEVE HECK	USA 2009	20:06.53 D.UIJTENBOGAART	NED 2012
2:49.27 GRAHAM PEARSON	GBR 2012	5:34.43 EDWARD CAZALET	USA 2003	20:09.42 DAVID QUIGGIN	USA 2009
2:49.35 STEVE HECK	USA 2009			20:10.13 DON DAVIS	USA 2009
50 M. FLY		*****		20:28.90 J-C LESTIDEAU	FRA 2012
27.87 RICHARD ABRAHAMS	USA 2008	M E N 65-69		20:36.17 DICK STEWART	USA 2006
28.22 DOUG MARTIN	USA 2013	*****		50 M. BACK	
28.26 MARC MIDDLETON	USA 2013	50 M. FREE		30.34 HUGH WILDER	USA 2012
28.30 TAKEO HIRAMOTO	JPN 2010	25.62 RICHARD ABRAHAMS	USA 2012	31.64 RICHARD BURNS	USA 2008
28.52 LEONARD BIELICZ	SWE 2013	26.68 KEEFE LODWIG	USA 2008	32.32 VINUS VAN BAALEN	USA 2008
28.59 GREG SHAW	USA 2011	26.73 VINUS VAN BAALEN	CAN 2007	32.35 LUIZ FIGUEIREDO	BRA 2006
28.80 KENJI NAKAMATSU	JPN 2009	26.87 DAVID QUIGGIN	USA 2009	32.76 ROBERT SMITH	USA 2008
29.04 JIM DRAGON	USA 2007	26.88 IAN SMITH	CAN 2009	32.94 RICHARD ABRAHAMS	USA 2010
29.11 JEAN LESTIDEAU	FRA 2009	27.05 JEFF FARRELL	USA 2002	33.14 J.LESTIDEAU	FRA 2011
29.13 JOSEP CLARET	ESP 2004	27.10 LEE CHILDS	USA 2013	33.32 BERND HORSTMANN	GER 2009
100 M. FLY		27.26 JIM DRAGON	USA 2009	33.38 YOSHI OYAKAWA	USA 1999
1:03.67 TAKEO HIRAMOTO	JPN 2010	27.47 KATSUTAKA IZUMI	JPN 2010	33.41 KATSUTAKA IZUMI	JPN 2010
1:03.76 RICH ABRAHAMS	USA 2006	27.68 CAV CAVANAUGH	USA 2000	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	1:01.16 LEE CHILDS	USA 2013	1:14.66 YOSHI OYAKAWA	USA 1998
1:06.44 JEAN LESTIDEAU	FRA 2009	1:01.36 JEFF FARRELL	USA 2002	1:14.69 LUIZ FIGUEIREDO	BRA 2006
1:06.74 ROBERT POILETMAN	USA 2003	1:01.77 PHILIPPE MARCHAT	FRA 2009	1:14.74 YOSHIKATSU SAWADA	JPN 2009
200 M. FLY		1:02.12 TOM LANDIS	USA 2007	1:15.00 MIKE SELNA	USA 2013
2:29.40 SCOTT LAUTMAN	USA 2012	1:02.21 IAN SMITH	CAN 2009	1:15.41 J.LESTIDEAU	FRA 2011
2:30.18 FRED SCHLICHER	USA 2008	1:02.24 PETER BERGENGREN	SWE 2003	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
2:38.90 JEAN-MARIE CADIAT	BEL 2013	2:18.71 JEFF FARRELL	USA 2002	2:45.88 MIKE SELNA	USA 2013
2:39.25 DOUGLAS MILLER	USA 2007	2:19.66 LEE CHILDS	USA 2013	2:45.97 TOSHIKI MIYATA	JPN 2013
100 M. I.M.		2:20.13 RUDOLF SMERDA	CZE 2009	2:47.59 S.SEKIKAWA	JPN 1998
1:05.53 TIMOTHY SHEAD	USA 2012	2:21.58 DON DAVIS	USA 2009	2:48.33 RICHARD TODD	USA 2007
1:06.29 RICK COLELLA	USA 2011	2:21.65 VITTORIO ERMIRIO	ITA 2007	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	34.72 JOHN LIRON	GBR 2013
1:08.08 RICH ABRAHAMS	USA 2009	5:01.65 RICHARD BURNS	USA 2009	34.88 JIM DRAGON	USA 2009
1:08.09 STEVEN HECK	USA 2009	5:01.81 JAMES MCCLEERY	USA 2011	34.89 DIETER HOFEL	GER 2013
1:08.37 GREG SHAW	USA 2011	5:01.92 DUNCAN MCCREADIE	FRA 2011	34.92 DAVID GILDEA	USA 2009
200 M. I.M.		5:03.87 VICTOR PAUL	AUS 2009	35.13 KENNETH FROST JR	USA 2009
2:25.98 TIMOTHY SHEAD	USA 2012	5:04.90 FRANK MCELROY	USA 2013	35.46 HIROSHI KOTEGAWA	JPN 2001
2:28.47 TIM BRODERICK	USA 2011	5:05.40 EDWARD RUDLOFF	USA 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	10:25.32 FRANK MCELROY	USA 2013	1:18.66 RICHARD TODD	USA 2008
2:31.02 JIM CLEMMONS	USA 2010	10:30.68 JAMES MCCLEERY	USA 2011	1:19.12 KENNETH FROST JR	USA 2009
2:31.11 ROBERT WEYHENKE	NED 2012	10:33.02 DON DAVIS	USA 2009	1:19.41 DIETER HOFEL	GER 2010
2:31.98 ROBERT STRAND	USA 2009	10:34.23 JOACHIM HINTZE	GER 2009	1:20.36 THOMAS JOHNSON	GBR 2007
2:32.13 LORENZO MARUGO	ITA 2012	10:34.89 EDWARD RUDLOFF	USA 2012	1:20.41 GERSHON SHEFA	ISR 2008
400 M. I.M.		10:35.13 GRAHAM JOHNSTON	USA 1996	1:20.54 SEIKO OKAZAKI	JPN 2011
5:04.54 RICK COLELLA	USA 2011	10:36.94 DUNCAN MCCREADIE	FRA 2011	1:20.60 HISASHI DOI	JPN 2013
5:20.60 LORENZO MARUGO	ITA 2012	10:36.96 J.LESTIDEAU	FRA 2011	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



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2:58.77	ALAIN LEGRUX	FRA 2013	5:58.93	MIKE FRESHLEY	USA 2006	21:24.18	DAVID RADCLIFF	USA 2007
2:59.11	RICHARD TODD	USA 2007	5:59.56	NORIAKI TSUJI	JPN 2011	22:02.11	YASUSHI YAMAGUCHI	JPN 2009
2:59.55	YOSHIKI AOKI	JPN 2005	5:59.98	MICHAEL MCCOLLY	USA 2010	22:05.60	RICHARD BURNS	USA 2013
3:00.01	GEOFFREY THWAITES	GBR 2013	6:02.48	RICHARD TODD	USA 2008	22:08.31	TONY RALPHS	USA 2013
3:00.13	MIKE FRESHLEY	USA 2006				22:08.91	GEOFF STOKES	GBR 2009
50 M. FLY			*****			22:12.38	MICK MARSHALL	GBR 2009
28.57	IAN WILKES	GBR 2012		M E N 70-74		22:14.70	KEEFE LODWIG	USA 2013
28.91	JOSEF CLARET	ESP 2009	*****			50 M. BACK		
28.99	RICHARD ABRAHAMS	USA 2010		50 M. FREE		33.51	RICHARD BURNS	USA 2013
29.18	JIM DRAGON	USA 2009	27.70	JEFF FARRELL	USA 2008	33.90	YOSHI OYAKAWA	USA 2003
29.78	DAVID QUIGGIN	USA 2009	28.23	VINUS VAN BAALEN	CAN 2012	34.15	VINUS VAN BAALEN	CAN 2012
29.79	KEEFE LODWIG	USA 2008	28.28	PETER BERGENGREN	SWE 2008	34.66	BERND HORSTMANN	GER 2012
30.18	KENJI NAKAMATSU	JPN 2013	28.31	IAN SMITH	CAN 2011	35.40	ROBERT SMITH	USA 2013
30.44	LEE CHILDS	USA 2013	28.55	RON JOHNSON	USA 2003	35.44	S.SEKIKAWA	JPN 2003
30.49	TOMOYASU IIDA	JPN 2009	28.76	CAV CAVANAUGH	USA 2008	35.60	JOAQUIN CANALES	ESP 2011
30.54	GEORGES KOESSLER	FRA 2007	28.89	RUDOLF SMERDA	CZE 2013	35.71	FRANS VAN ENST	NED 2011
100 M. FLY			28.99	KATSUKI ISHIHARA	JPN 2009	35.71	PAUL HUTINGER	USA 1994
1:05.90	JOSEF CLARET	ESP 2009	29.00	WOLFRAM GOTTFRIED	GER 2003	35.73	FUMITAKE MATSUDA	JPN 2013
1:06.60	RICHARD ABRAHAMS	USA 2010	29.31	NEIL MACKINNON	GBR 2011	100 M. BACK		
1:08.36	DAVID QUIGGIN	USA 2009	100 M. FREE			1:12.09	RICHARD BURNS	USA 2013
1:09.10	ROBERT POILETMAN	USA 2009	1:03.33	JEFF FARRELL	USA 2007	1:14.31	BARRY YOUNG	NZL 2009
1:09.66	DEREK PARR	GBR 2009	1:04.57	RICHARD BURNS	USA 2013	1:15.08	BERND HORSTMANN	GER 2012
1:10.25	RICHARD BURNS	USA 2008	1:04.58	CAV CAVANAUGH	USA 2005	1:15.85	YOSHI OYAKAWA	USA 2003
1:10.73	KOJI IWAMOTO	JPN 2009	1:04.66	PETER BERGENGREN	SWE 2008	1:16.73	BURWELL JONES	USA 2003
1:10.76	FRED BAIRD	USA 2013	1:05.08	AKIRA FUJIMAKI	JPN 2013	1:18.00	LUCIEN GAUCHE	FRA 2012
1:11.45	J.LESTIDEAU	FRA 2011	1:05.11	HIROSHI MARUYAMA	JPN 2012	1:18.10	JOZSEF CSIKANY	HUN 2013
1:11.45	KEEFE LODWIG	USA 2008	1:05.41	RUDOLF SMERDA	CZE 2013	1:18.73	S.SEKIKAWA	JPN 2003
200 M. FLY			1:05.41	IAN SMITH	CAN 2011	1:19.09	MARTY MENNEN	USA 2007
2:38.71	ROBERT POILETMAN	USA 2008	1:05.62	VINUS VAN BAALEN	CAN 2012	1:19.91	FUMITAKE MATSUDA	JPN 2013
2:41.64	DEREK PARR	GBR 2009	1:06.26	GRAHAM JOHNSTON	USA 2001	200 M. BACK		
2:45.27	J.LESTIDEAU	FRA 2011	200 M. FREE			2:38.01	RICHARD BURNS	USA 2013
2:47.38	HORST LEHMANN	GER 2012	2:24.31	GRAHAM JOHNSTON	USA 2001	2:40.17	BARRY YOUNG	NZL 2009
2:48.60	KOJI IWAMOTO	JPN 2009	2:25.01	RICHARD BURNS	USA 2013	2:48.91	JOZSEF CSIKANY	HUN 2013
2:48.78	RICHARD KITCHELL	USA 2005	2:26.61	TOM LANDIS	USA 2013	2:51.24	BURWELL JONES	USA 2003
2:49.43	FRED BAIRD	USA 2013	2:28.41	CAV CAVANAUGH	USA 2005	2:51.82	LUCIEN GAUCHE	FRA 2012
2:53.24	FRANK MCELROY	USA 2013	2:28.80	AKIRA FUJIMAKI	JPN 2013	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
100 M. I.M.			2:29.72	RUDOLF SMERDA	CZE 2013	2:55.04	RICHARD TODD	USA 2012
1:10.26	ROBERT STRAND	USA 2012	2:30.04	JEFF FARRELL	USA 2008	2:55.73	ROGER FRANKS	USA 1998
1:10.42	RICHARD ABRAHAMS	USA 2010	2:30.27	BURWELL JONES	USA 2004	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	36.16	DAVID GILDEA	USA 2013
1:12.51	JEFF FARRELL	USA 2002	5:12.57	TOM LANDIS	USA 2012	37.25	ANTONIO ORSELLI	BRA 2013
1:12.54	HUGH WILDER	USA 2012	5:15.88	BURWELL JONES	USA 2003	37.26	JEFF FARRELL	USA 2007
1:12.86	J.LESTIDEAU	FRA 2011	5:18.28	DAVID RADCLIFF	USA 2007	37.44	HANS REICHEL	GER 2007
1:13.40	ALEXANDER KRYUKOV	RUS 2009	5:23.49	RUDOLF SMERDA	CZE 2013	37.47	NICK TEMPLEMAN	CAN 2001
1:13.65	DAVID GILDEA	USA 2009	5:24.38	TADANOBU YAMADA	JPN 2013	37.68	AKIO SUGIYAMA	JPN 2005
1:13.90	BERND SCHRODER	GER 2008	5:26.04	YASUSHI YAMAGUCHI	JPN 2009	37.71	MANUEL SANGUILY	USA 2004
200 M. I.M.			5:26.63	SUETAKA SAWADA	JPN 2013	37.96	KARL WIEDAMANN	USA 2008
2:38.42	RICHARD BURNS	USA 2009	5:26.86	VITTORIO ERMIRIO	ITA 2012	38.00	MASARU SHINKAI	JPN 2010
2:38.96	ROBERT STRAND	USA 2012	5:28.30	GEOFF STOKES	GBR 2009	100 M. BRST		
2:39.62	J.LESTIDEAU	FRA 2011	800 M. FREE			1:21.41	DAVID GILDEA	USA 2013
2:40.07	LEE CHILDS	USA 2013	10:52.68	GRAHAM JOHNSTON	USA 2001	1:23.63	BARRY YOUNG	NZL 2009
2:41.64	BERND HORSTMANN	GER 2008	11:01.38	DAVID RADCLIFF	USA 2007	1:23.70	HANS REICHEL	GER 2007
2:42.68	KOJI IWAMOTO	JPN 2009	11:16.51	YASUSHI YAMAGUCHI	JPN 2009	1:24.13	TONY GOODWIN	AUS 2007
2:43.49	MIKE FRESHLEY	USA 2006	11:17.52	TOM LANDIS	USA 2012	1:24.13	TETSUO NAKAMARU	JPN 2005
2:46.09	PAUL WYATT	AUS 2013	11:23.10	ERNIE LESKOVITZ	USA 2006	1:24.31	YOSHIKI AOKI	JPN 2008
2:46.35	JEFF FARRELL	USA 2002	11:25.65	JOHN CRISP	AUS 2005	1:25.02	JACK KELSO	CAN 2009
2:47.25	BOB COUCH	USA 2013	11:26.47	GEOFF STOKES	GBR 2009	1:25.11	RON JOHNSON	USA 2003
400 M. I.M.			11:28.02	JOACHIM HINTZE	GER 2012	1:25.34	KARL WIEDAMANN	USA 2008
5:37.22	J.LESTIDEAU	FRA 2011	11:30.41	IKURO SHIMONO	JPN 2007	1:25.37	ANTONIO ORSELLI	BRA 2012
5:50.91	RICHARD BURNS	USA 2009	11:33.09	LUCIANO CAMMELLI	ITA 2013	200 M. BRST		
5:53.40	GEORGE WENDT	USA 2012	1500 M. FREE			3:01.22	BARRY YOUNG	NZL 2009
5:54.86	FRANK MCELROY	USA 2013	20:54.56	GRAHAM JOHNSTON	USA 2001	3:04.51	DAVID GILDEA	USA 2013
5:56.19	LEE CHILDS	USA 2013	21:07.23	TOM LANDIS	USA 2012	3:05.27	HANS REICHEL	GER 2007
5:57.90	BOB COUCH	USA 2012	21:17.81	JOHN CRISP	AUS 2005	3:05.42	MICHAEL MOLONEY	AUS 2009



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3:06.16	TONY GOODWIN	AUS	2007	6:23.43	GRAHAM JOHNSTON	USA	2002	22:28.06	BURWELL JONES	USA	2008
3:07.68	YOSHIKI AOKI	JPN	2009	6:23.60	KOJI IWAMOTO	JPN	2012	22:52.00	HIROSHI YOSHIMURA	JPN	2003
3:07.85	MIKE FRESHLEY	USA	2011	6:25.28	IKURO SHIMONO	JPN	2009	23:22.66	TOSABURO HOSOKAWA	JPN	2010
3:09.86	PETER BELL	CAN	2005	6:29.34	RICHARD TODD	USA	2012	23:50.64	GERHARD HOLE	GER	2012
3:10.40	JACK KELSO	CAN	2009	6:36.77	MIKE FRESHLEY	USA	2011	23:52.16	H.TAKAHASHI	JPN	2012
3:10.58	RICHARD TODD	USA	2012					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			
31.79	RUDOLF SMERDA	CZE	2013	50 M. FREE				35.51	YOSHI OYAKAWA	USA	2008
31.83	RICHARD BURNS	USA	2013	30.15	DAVID RADCLIFF	USA	2009	35.93	BURWELL JONES	USA	2009
32.36	BERND SCHRODER	GER	2013	31.06	FRANK PIEMME	USA	2001	36.58	S.SEKIKAWA	JPN	2008
32.57	RONALD JOHNSON	USA	2001	31.08	BURWELL JONES	USA	2009	36.68	CLARKE MITCHELL	USA	2007
32.62	KOJI IWAMOTO	JPN	2013	31.10	HIROSHI MATSUMOTO	JPN	2011	37.47	KEIJIRO NAKAMURA	JPN	1998
32.62	IAN SMITH	CAN	2011	31.12	DAVID PAINTER	USA	2013	37.80	JOHN SMITH	USA	2013
32.73	HELMUT RICHTER	GER	2009	31.31	SHINGO YAMAMOTO	JPN	2009	37.84	TOM VERTH	CAN	2013
32.89	RYUJI TAKAMINE	JPN	2011	31.38	CAV CAVANAUGH	USA	2011	38.38	PAUL HUTINGER	USA	1999
100 M. FLY				31.39	TOM VERTH	CAN	2013	38.83	JACK HALE	GBR	1997
1:13.51	ROBERT POILETMAN	USA	2013	31.40	ANDERS SODERQVIST	SWE	2008	38.89	ALLAN CHARLTON	USA	2012
1:13.68	KOJI IWAMOTO	JPN	2013	31.59	DAVID COSTILL	USA	2011	100 M. BACK			
1:15.96	T.TAKESHITA	JPN	2012	100 M. FREE				1:18.47	BURWELL JONES	USA	2009
1:16.42	RICHARD BURNS	USA	2013	1:05.13	DAVID RADCLIFF	USA	2009	1:20.16	YOSHI OYAKAWA	USA	2008
1:16.42	RUDOLF SMERDA	CZE	2013	1:08.90	BURWELL JONES	USA	2009	1:20.66	S.SEKIKAWA	JPN	2009
1:16.91	BARRY YOUNG	NZL	2009	1:09.83	HIROSHI MATSUMOTO	JPN	2011	1:23.73	TOM VERTH	CAN	2013
1:18.38	HUGH RODDIN	USA	2012	1:10.71	SHINGO YAMAMOTO	JPN	2006	1:23.81	CLARKE MITCHELL	USA	2007
1:18.42	TAISUKE MIYAZAKI	JPN	2009	1:11.53	GRAHAM JOHNSTON	USA	2007	1:24.21	KEIJIRO NAKAMURA	JPN	1998
1:18.59	WILLIAM LETCH	GBR	2010	1:11.55	FRANK PIEMME	USA	2000	1:25.13	PAUL HUTINGER	USA	2000
1:18.90	JOAQUIN CANALES	ESP	2010	1:11.74	JAMES ZURCHER	USA	2009	1:25.22	ROGER FRANKS	USA	2002
200 M. FLY				1:12.11	WERNER SCHNABEL	GER	2011	1:26.10	MAMPEI SEINO	JPN	2007
2:51.32	BARRY YOUNG	NZL	2009	1:12.34	IKURO SHIMONO	JPN	2013	1:26.40	JACK HALE	GBR	1997
2:55.66	ROBERT POILETMAN	USA	2013	1:12.72	CAV CAVANAUGH	USA	2011	200 M. BACK			
2:58.89	KOJI IWAMOTO	JPN	2013	200 M. FREE				2:49.20	BURWELL JONES	USA	2009
3:01.11	YASUTAKA KOIKE	JPN	2013	2:27.53	DAVID RADCLIFF	USA	2009	2:58.21	ROGER FRANKS	USA	2002
3:03.22	RUDOLF SMERDA	CZE	2013	2:37.71	GRAHAM JOHNSTON	USA	2006	3:00.92	S.SEKIKAWA	JPN	2008
3:05.81	WILLIAM LETCH	GBR	2010	2:38.07	IKURO SHIMONO	JPN	2013	3:09.22	KEIJIRO NAKAMURA	JPN	1999
3:06.07	TAISUKE MIYAZAKI	JPN	2010	2:38.97	WERNER SCHNABEL	GER	2012	3:10.00	MAMPEI SEINO	JPN	2008
3:08.60	TAKASHI HAYASHI	JPN	2003	2:40.22	JOHN CRISP	AUS	2010	3:10.22	RAYMOND TAFT	USA	1994
3:09.56	TADANOBU YAMADA	JPN	2013	2:42.21	SHINGO YAMAMOTO	JPN	2006	3:12.53	PAUL HUTINGER	USA	2000
3:13.57	JESUS DOMINGUEZ	ESP	2000	2:45.31	CAV CAVANAUGH	USA	2013	3:13.21	YOSHI OYAKAWA	USA	2008
100 M. I.M.				2:46.17	ARAM BOGHOSSIAN	BRA	2004	3:13.62	E.NODENSCHNEIDER	FRA	2012
1:14.40	RICHARD BURNS	USA	2013	2:47.41	HIROSHI YOSHIMURA	JPN	2004	3:13.86	BOB BARRY	AUS	2006
1:14.73	JACK KELSO	CAN	2009	2:47.43	FRANK PIEMME	USA	2000	50 M. BRST			
1:15.54	BARRY YOUNG	NZL	2009	400 M. FREE				39.04	TETSUO NAKAMARU	JPN	2010
1:15.60	KOJI IWAMOTO	JPN	2013	5:15.10	DAVID RADCLIFF	USA	2009	39.20	HANS REICHEL	GER	2011
1:15.92	RONALD JOHNSON	USA	2001	5:30.95	GERHARD HOLE	GER	2012	39.36	TONY GOODWIN	AUS	2012
1:16.05	JEFF FARRELL	USA	2007	5:36.32	IKURO SHIMONO	JPN	2012	39.97	TOSHIO TAJIMA	JPN	2000
1:17.19	DAVE COSTILL	USA	2008	5:40.14	GRAHAM JOHNSTON	USA	2006	40.06	BELA FABIAN	HUN	2013
1:17.22	BURWELL JONES	USA	2003	5:45.47	HIROSHI YOSHIMURA	JPN	2004	40.07	MANUEL SANGUILY	USA	2008
1:17.58	DAVID GILDEA	USA	2013	5:50.39	BURWELL JONES	USA	2008	40.17	ROBERT PFERSDORFF	GER	1999
1:17.65	HIROSHI NONAKA	JPN	2012	5:50.91	JOHN CRISP	AUS	2010	40.35	RINALDO FERREIRA	BRA	2012
200 M. I.M.				5:53.05	WERNER SCHNABEL	GER	2012	40.52	YOSHIKI AOKI	JPN	2013
2:42.44	BARRY YOUNG	NZL	2009	5:56.68	TOSABURO HOSOKAWA	JPN	2013	40.62	CHRISTIAN THIESS	AUS	2013
2:44.81	RICHARD BURNS	USA	2013	6:01.32	FRANK PIEMME	USA	2000	40.62	JOHN KORTHEUER	USA	2006
2:49.43	JACK KELSO	CAN	2009	800 M. FREE				100 M. BRST			
2:51.73	BURWELL JONES	USA	2003	10:59.10	DAVID RADCLIFF	USA	2009	1:26.76	HANS REICHEL	GER	2011
2:52.63	KOJI IWAMOTO	JPN	2012	11:07.83	GERHARD HOLE	GER	2012	1:26.84	TONY GOODWIN	AUS	2012
2:54.26	MIKE FRESHLEY	USA	2011	11:38.56	BURWELL JONES	USA	2008	1:27.76	TETSUO NAKAMARU	JPN	2010
2:55.18	TOM LANDIS	USA	2013	12:00.94	GRAHAM JOHNSTON	USA	2006	1:28.40	BELA FABIAN	HUN	2013
2:55.51	RON JOHNSON	USA	2002	12:02.87	HIROSHI YOSHIMURA	JPN	2004	1:28.61	ROBERT PFERSDORFF	GER	1999
2:55.58	GRAHAM JOHNSTON	USA	2002	12:11.86	WERNER SCHNABEL	GER	2012	1:28.72	SHUNSAKU TAKAHIRA	JPN	2007
2:57.11	IKURO SHIMONO	JPN	2009	12:13.28	FRANK PIEMME	USA	2000	1:29.56	YOSHIKI AOKI	JPN	2013
400 M. I.M.				12:25.49	FREDERIK HENDRIK	ESP	2013	1:30.02	TSUTOMU KAJIHARA	JPN	2008
5:48.67	BARRY YOUNG	NZL	2009	12:29.93	TOSABURO HOSOKAWA	JPN	2013	1:31.15	DAVID COSTILL	USA	2011
6:17.67	TOM LANDIS	USA	2013	12:36.49	JOSEF KREJCI	SUI	2009	1:32.66	THOMAS WALKER	GBR	2010
6:21.46	BURWELL JONES	USA	2003	1500 M. FREE				200 M. BRST			
6:21.47	JACK KELSO	CAN	2009	20:39.50	DAVID RADCLIFF	USA	2009	3:09.09	TONY GOODWIN	AUS	2012
6:22.65	MASAO KIJIMA	JPN	2011	22:27.75	GRAHAM JOHNSTON	USA	2006	3:15.57	HANS REICHEL	GER	2011



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3:20.93	TSUTOMU KAJIHARA	JPN	2008	7:04.92	JOHN CRISP	AUS	2010	24:36.35	BURWELL JONES	USA	2013
3:21.50	KARL HAUTER	GER	2000	7:07.64	GRAHAM JOHNSTON	USA	2006	25:18.69	HIROSHI YOSHIMURA	JPN	2009
3:24.84	ROBERT PFERSDORFF	GER	1999	7:08.17	GIULIO DIVANO	ITA	2008	25:25.94	GRAHAM JOHNSTON	USA	2012
3:25.59	CHRISTIAN THIESS	AUS	2013	7:08.53	RAYMOND TAFT	USA	1994	25:35.01	RAY TAFT	USA	1999
3:26.71	SHUNSAKU TAKAHIRA	JPN	2008	7:12.49	ANRI VERESHCHAGIN	RUS	2011	25:35.82	GIULIO DIVANO	ITA	2012
3:27.47	GÜNTER SCHMAH	GER	2013	7:15.43	DAVID MCLACHLAN	RSA	2013	26:41.69	ALDO DA ROSA	USA	1998
3:28.02	ESKO SALONEN	FIN	2001	7:16.86	GUNTER BEILSTEIN	GER	2011	26:51.46	THOMAS TAYLOR	USA	2011
3:28.83	MASAMI SHIGETA	JPN	2011					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				38.15	S.SEKIKAWA	JPN	2013
34.83	FRANK PIEMME	USA	2000	32.14	ROBERTO ALBERICHE	ESP	2013	38.26	KEIJIRO NAKAMURA	JPN	2003
35.80	CLARKE MITCHELL	USA	2007	32.61	KEIJIRO NAKAMURA	JPN	2004	38.62	CLARKE MITCHELL	USA	2013
35.84	BURWELL JONES	USA	2009	32.80	FRANK PIEMME	USA	2005	39.51	BURWELL JONES	USA	2013
36.03	GENICHI IGARASHI	JPN	2011	33.23	B.SCHLURIKE	GER	2001	40.61	ILO FONSECA	BRA	2010
36.24	TAKASHI HAYASHI	JPN	2009	33.60	ILO FONSECA	BRA	2010	41.31	SHOICHI SHIDA	JPN	2006
36.41	DAVID COSTILL	USA	2011	33.62	ANDERS SODERQVIST	SWE	2013	41.58	PAUL HUTINGER	USA	2004
36.42	MASAYASU KAMIYA	JPN	2007	33.73	SHINGO YAMAMOTO	JPN	2011	42.11	DALE WEBSTER	USA	2006
100 M. FLY				33.79	FUJIO MYOJIN	JPN	2008	42.16	SHOICHI SAKAMOTO	JPN	1998
1:24.38	TAKASHI HAYASHI	JPN	2009	33.85	CLARKE MITCHELL	USA	2012	42.96	RAY TAFT	USA	1999
1:26.67	GENICHI IGARASHI	JPN	2011	33.87	BOB BEST	USA	2012	100 M. BACK			
1:26.86	HIROSHI MATSUMOTO	JPN	2011	100 M. FREE				1:25.07	S.SEKIKAWA	JPN	2013
1:27.25	GIULIO DIVANO	ITA	2009	1:12.84	ROBERTO ALBERICHE	ESP	2012	1:25.77	KEIJIRO NAKAMURA	JPN	2003
1:30.09	MASAYASU KAMIYA	JPN	2007	1:16.09	KEIJIRO NAKAMURA	JPN	2003	1:28.47	CLARKE MITCHELL	USA	2013
1:30.85	CHRISTIAN THIESS	AUS	2013	1:16.30	SHOICHI SHIDA	JPN	2006	1:30.61	BURWELL JONES	USA	2013
1:31.99	DAVID CUMMING	GBR	2013	1:17.02	FRANK PIEMME	USA	2005	1:33.27	PAUL HUTINGER	USA	2004
1:32.07	ROBERT PFERSDORFF	GER	2000	1:17.27	SHINGO YAMAMOTO	JPN	2011	1:33.58	RAY TAFT	USA	1999
1:32.31	RON JOHNSON	USA	2006	1:18.25	GRAHAM JOHNSTON	USA	2011	1:34.16	ROGER FRANKS	USA	2007
1:32.41	KARL HAUTER	GER	2001	1:18.32	ANDERS SODERQVIST	SWE	2013	1:35.25	JAN ZIEGLER	CZE	2005
200 M. FLY				1:18.67	B.SCHLURIKE	GER	2002	1:36.10	HORACE KNOWLTON	USA	2009
3:16.99	TAKASHI HAYASHI	JPN	2009	1:18.80	HIKOJI UEKI	JPN	1995	1:36.13	KARL HAUTER	GER	2006
3:26.72	ROBERT PFERSDORFF	GER	1999	1:19.03	ROD BAKER	AUS	2008	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	3:11.45	S.SEKIKAWA	JPN	2013
3:29.28	CHRISTIAN THIESS	AUS	2013	2:55.46	SHINGO YAMAMOTO	JPN	2011	3:19.77	BURWELL JONES	USA	2013
3:31.23	MAURICE LUSIEN	FRA	2001	2:56.89	BURWELL JONES	USA	2013	3:23.73	RAY TAFT	USA	1999
3:36.25	CLAUDIO NEGRI	ITA	2012	2:57.47	GRAHAM JOHNSTON	USA	2011	3:24.71	BOB MILLER	USA	2010
3:39.04	GIULIO DIVANO	ITA	2010	2:58.32	HIROSHI YOSHIMURA	JPN	2008	3:25.46	ROGER FRANKS	USA	2007
3:39.51	THOMAS MAINE	USA	2002	3:00.21	KARL HAUTER	GER	2005	3:31.93	CLARKE MITCHELL	USA	2012
3:40.31	MASARU IGARASHI	JPN	2010	3:00.63	RAYMOND TAFT	USA	1999	3:32.87	KARL HAUTER	GER	2005
100 M. I.M.				3:00.86	FRANK PIEMME	USA	2005	3:33.22	MAMPEI SEINO	JPN	2012
1:18.80	BURWELL JONES	USA	2009	3:01.42	HIKOJI UEKI	JPN	1995	3:33.60	JAN ZIEGLER	CZE	2006
1:21.42	DAVID COSTILL	USA	2011	3:01.91	TOSHIO SHIMIZU	JPN	2007	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	2013	6:12.87	BURWELL JONES	USA	2013	43.99	Y.KAWABATA	JPN	2006
1:24.71	DAVID RADCLIFF	USA	2009	6:20.10	HIROSHI YOSHIMURA	JPN	2008	44.56	Y.MIYAMOTO	JPN	1997
1:24.76	JAMES ZURCHER	USA	2009	6:23.47	GRAHAM JOHNSTON	USA	2012	44.68	PATRICK GALVIN	AUS	2013
1:25.36	KARL HAUTER	GER	2000	6:27.60	RAY TAFT	USA	1999	44.82	TSUTOMU KAJIHARA	JPN	2013
1:25.68	MASAYASU KAMIYA	JPN	2007	6:30.21	KARL HAUTER	GER	2006	44.93	JOHN KORTHEUER	USA	2011
200 M. I.M.				6:34.32	CLARKE MITCHELL	USA	2012	44.93	GERHARD GIERA	GER	2008
2:59.26	BURWELL JONES	USA	2009	6:35.25	TOSHIO SHIMIZU	JPN	2007	44.97	KARL HAUTER	GER	2008
3:04.87	IKURO SHIMONO	JPN	2013	6:38.17	JAN ZIEGLER	CZE	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	12:43.58	BURWELL JONES	USA	2013	1:36.91	KARL HAUTER	GER	2005
3:12.11	JOHN CRISP	AUS	2011	12:50.97	HIROSHI YOSHIMURA	JPN	2008	1:38.11	TSUTOMU KAJIHARA	JPN	2013
3:15.45	GIULIO DIVANO	ITA	2009	12:59.22	ROBERTO ALBERICHE	ESP	2013	1:38.61	PATRICK GALVIN	AUS	2013
3:16.40	MOTOHISA HIROSE	JPN	2013	13:01.70	GRAHAM JOHNSTON	USA	2012	1:39.60	GIULIO DIVANO	ITA	2012
3:16.44	FRANK PIEMME	USA	2000	13:02.25	GIULIO DIVANO	ITA	2012	1:39.85	TOSHIO TAJIMA	JPN	2005
3:17.45	CHRISTIAN THIESS	AUS	2012	13:29.27	RAYMOND TAFT	USA	1999	1:40.37	BOB BEST	USA	2012
3:17.53	MASAYASU KAMIYA	JPN	2010	13:34.55	KARL HAUTER	GER	2007	1:41.91	SHUNSAKU TAKAHIRA	JPN	2013
400 M. I.M.				13:35.75	KATSURA SUZUKI	JPN	2011	1:42.05	FRANK PIEMME	USA	2005
6:33.87	BURWELL JONES	USA	2009	13:41.19	FRANK PIEMME	USA	2005	1:42.54	TAKAO OKAMOTO	JPN	2013
6:52.62	KARL HAUTER	GER	2001	13:57.61	THOMAS TAYLOR	USA	2011	200 M. BRST			
6:59.68	FRANK PIEMME	USA	2000	1500 M. FREE				3:34.21	ZENJI NAKAHARI	JPN	2008



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3:40.73	KARL HAUTER	GER	2005	7:37.58	RAY TAFT	USA	1999	1500 M. FREE			
3:40.74	PATRICK GALVIN	AUS	2013	7:49.23	FRANK PIEMME	USA	2005	28:17.36	WILLARD LAMB	USA	2008
3:45.57	ROBERT MACDONALD	USA	2009	7:49.67	BOB BEST	USA	2012	29:16.62	JURGEN SCHMIDT	USA	2008
3:46.93	TAKAO OKAMOTO	JPN	2013	7:53.88	ALDO DA ROSA	USA	1998	29:55.69	JIM EUBANK	USA	2000
3:47.50	JAN ZIEGLER	CZE	2006	7:55.53	THOMAS MAINE	USA	2007	30:31.85	TOKUSHI KOMEDA	JPN	1999
3:47.87	FRANK PIEMME	USA	2005	7:57.44	YOSHINAO KAMEI	JPN	2013	31:05.09	RYUJI FUJIKAWA	JPN	2002
3:50.86	MAX VAN GELDER	NED	2004	8:00.81	ANTON CERER	USA	1997	32:11.96	HAROLD DODD	GBR	2004
3:51.92	TSUTOMU MORIHIRO	JPN	2013	8:03.48	FRANK TANNER	USA	2011	32:20.20	GUS LANGNER	USA	1988
3:52.83	ASHLEY JONES	USA	2011					32:43.03	NILS FERM	SWE	2003
50 M. FLY				*****	*****	*****	*****	33:24.43	EDWARD HOY	GBR	2013
37.77	TAKASHI HAYASHI	JPN	2013		M E N 85-89			33:50.15	ARTHUR THOMAS	AUS	2002
38.92	CLARKE MITCHELL	USA	2013	*****	*****	*****	*****	50 M. BACK			
39.66	YOSHIO ISHIGURO	JPN	2011	50 M. FREE				40.59	KEIJIRO NAKAMURA	JPN	2009
40.24	FRANK PIEMME	USA	2005	34.54	KEIJIRO NAKAMURA	JPN	2008	43.80	GORO KOBAYASHI	JPN	2001
40.25	TOSHIO TAJIMA	JPN	2005	36.26	FRANK PIEMME	USA	2010	45.53	SHOICHI SHIDA	JPN	2012
40.32	ROBERTO ALBERICHE	ESP	2012	36.31	TOSHIMI INATOMI	JPN	2011	46.08	TOSHIJI SATO	JPN	2000
40.40	TAMON YOSHIDA	JPN	2007	36.51	WILLARD LAMB	USA	2007	46.35	SHOICHI SAKAMOTO	JPN	2003
40.46	GIULIO DIVANO	ITA	2012	36.61	TAKAHIKO NOMA	JPN	2013	47.17	R.REINSTADTLER	GER	1997
40.94	MASAYASU KAMIYA	JPN	2012	36.61	JIM EUBANK	USA	2000	47.34	ALDO DA ROSA	USA	2002
41.80	TAKASHI SATO	JPN	2013	37.08	SHOICHI SAKAMOTO	JPN	2003	48.07	HELMUT KUNZEL	GER	2013
100 M. FLY				37.16	WOODROW BOWERSOCK	USA	1998	48.08	WILLARD LAMB	USA	2008
1:30.15	GIULIO DIVANO	ITA	2012	37.85	ANDREW HOLDEN	USA	2004	48.31	FRANK PIEMME	USA	2012
1:30.69	TAKASHI HAYASHI	JPN	2013	37.96	WILLIAM JOHNSTON	USA	2003	100 M. BACK			
1:36.53	KARL HAUTER	GER	2005	100 M. FREE				1:28.98	KEIJIRO NAKAMURA	JPN	2008
1:41.82	JAN ZIEGLER	CZE	2005	1:19.42	KEIJIRO NAKAMURA	JPN	2008	1:39.08	GORO KOBAYASHI	JPN	2002
1:43.20	MAX VAN GELDER	NED	2004	1:23.20	JIM EUBANK	USA	2000	1:40.25	TOSHIJI SATO	JPN	2000
1:44.29	THOMAS MAINE	USA	2007	1:24.32	ROD BAKER	AUS	2013	1:42.84	KARL HAUTER	GER	2010
1:46.05	BOB BEST	USA	2012	1:25.28	FRANK PIEMME	USA	2010	1:47.93	WILLARD LAMB	USA	2009
1:46.68	SILVANO DANIELI	ITA	2008	1:25.28	WILLARD LAMB	USA	2007	1:48.79	ALDO DA ROSA	USA	2002
1:47.04	MASAYASU KAMIYA	JPN	2012	1:27.00	HIKOJI UEKI	JPN	2000	1:48.95	EDWARD SHEA	USA	1999
1:47.17	FRANK PIEMME	USA	2005	1:27.11	KARL HAUTER	GER	2012	1:50.96	R.REINSTEDTLER	GER	2000
200 M. FLY				1:29.62	WOODY BOWERSOCK	USA	1998	1:51.57	KAIZO WATANABE	JPN	2008
3:30.11	GIULIO DIVANO	ITA	2011	1:29.92	GORO KOBAYASHI	JPN	2003	1:51.74	PAUL HUTINGER	USA	2009
3:33.24	TAKASHI HAYASHI	JPN	2013	1:30.77	TOSHIMI INATOMI	JPN	2011	200 M. BACK			
3:52.41	THOMAS MAINE	USA	2007	200 M. FREE				3:18.29	KEIJIRO NAKAMURA	JPN	2008
4:00.64	ANTON CERER	USA	1997	3:12.85	WILLARD LAMB	USA	2007	3:37.45	GORO KOBAYASHI	JPN	2002
4:17.12	PAUL KRUP	USA	1997	3:13.45	JIM EUBANK	USA	2000	3:55.12	WILLARD LAMB	USA	2008
4:17.29	MINORU NAGASHIMA	JPN	2006	3:14.70	KARL HAUTER	GER	2010	4:00.80	ALDO DA ROSA	USA	2002
4:18.70	HIRONARI UEDA	JPN	2002	3:15.87	HIKOJI UEKI	JPN	2000	4:02.65	RYUJI FUJIKAWA	JPN	2002
4:20.52	KARL HAUTER	GER	2008	3:20.73	JIRO KOBAYASHI	JPN	2010	4:05.07	JOHN MERRILL	USA	2005
4:23.29	TOSHIMASA MINAMI	JPN	2010	3:22.82	ROD BAKER	AUS	2013	4:05.25	C.SCHERER	GER	1999
4:25.99	WALTER PFEIFFER	USA	1994	3:26.81	JURGEN SCHMIDT	USA	2009	4:06.86	EDWARD SHEA	USA	2000
100 M. I.M.				3:29.01	TOKUSHI KOMEDA	JPN	2000	4:09.25	NILS FERM	SWE	2003
1:28.76	ROBERTO ALBERICHE	ESP	2012	3:30.18	FRANK PIEMME	USA	2011	4:09.66	R.REINSTADTLER	GER	1999
1:30.18	ZENJI NAKAHARI	JPN	2008	3:37.28	TOSHIMI INATOMI	JPN	2011	50 M. BRST			
1:31.23	GIULIO DIVANO	ITA	2011	400 M. FREE				44.47	TOSHIO TAJIMA	JPN	2010
1:31.72	CLARKE MITCHELL	USA	2013	6:56.12	ROD BAKER	AUS	2013	47.24	FRANK PIEMME	USA	2010
1:31.77	SHOICHI SHIDA	JPN	2006	7:13.19	WILLARD LAMB	USA	2009	47.53	KARL HAUTER	GER	2012
1:31.83	MASAYASU KAMIYA	JPN	2012	7:14.98	FRANK PIEMME	USA	2010	47.66	Y.KAWABATA	JPN	2010
1:32.00	YOSHINAO KAMEI	JPN	2013	7:19.56	THOMAS MAINE	USA	2010	47.70	Y.MIYAMOTO	JPN	2002
1:32.25	KARL HAUTER	GER	2005	7:19.94	JIM EUBANK	USA	2000	48.82	HIROMU YOSHIMOTO	JPN	2000
1:32.44	BOB BEST	USA	2013	7:22.76	HIROSHI IMAIZUMI	JPN	2010	49.79	ROLF WALTHER	GER	2013
1:32.65	FRANK PIEMME	USA	2005	7:24.82	JURGEN SCHMIDT	USA	2008	50.04	SEIJI TAKAHASHI	JPN	2000
200 M. I.M.				7:27.29	TOKUSHI KOMEDA	JPN	1999	50.25	R.REINSTADTLER	GER	2000
3:18.55	GIULIO DIVANO	ITA	2011	7:28.04	KARL HAUTER	GER	2013	50.44	WALTER MINNICH	GER	2004
3:25.47	ROBERTO ALBERICHE	ESP	2013	7:47.75	ALDO DA ROSA	USA	2002	100 M. BRST			
3:26.48	KARL HAUTER	GER	2006	800 M. FREE				1:43.72	KARL HAUTER	GER	2010
3:32.79	YOSHINAO KAMEI	JPN	2013	14:04.48	WILLARD LAMB	USA	2008	1:47.97	TOSHIO TAJIMA	JPN	2010
3:33.09	BOB BEST	USA	2013	15:01.45	ROD BAKER	AUS	2013	1:50.32	HIROMU YOSHIMOTO	JPN	2000
3:34.08	BURWELL JONES	USA	2013	15:03.26	JURGEN SCHMIDT	USA	2008	1:53.02	FRANK PIEMME	USA	2010
3:37.04	RAYMOND TAFT	USA	1999	15:05.68	HIROSHI IMAIZUMI	JPN	2010	1:55.50	ROLF STELLRECHT	GER	2013
3:38.22	FRANK TANNER	USA	2011	15:15.07	FRANK PIEMME	USA	2010	1:56.21	ALDO DA ROSA	USA	2002
3:38.55	MASAYASU KAMIYA	JPN	2012	15:15.68	JIM EUBANK	USA	2000	1:59.53	ROBERT MACDONALD	USA	2013
3:39.09	S.KROKOSZYNSKI	POL	2010	16:03.63	D.CASOLINO	ITA	2012	1:59.82	Y.MIYAMOTO	JPN	2002
400 M. I.M.				16:19.95	TOKUSHI KOMEDA	JPN	1999	2:00.02	H.REITEMEYER	GER	2006
6:58.11	GIULIO DIVANO	ITA	2011	16:28.13	HAROLD DODD	GBR	2001	2:01.87	LUDWIG GEBURZI	GER	2006
7:26.06	KARL HAUTER	GER	2005	16:35.66	DICK GUIDO	USA	2002	200 M. BRST			



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4:05.91	FRANK PIEMME	USA	2010	8:32.50	FRANK PIEMME	USA	2010	21:58.06	E OLE LARSON	USA	2011
4:13.03	THOMAS MAINE	USA	2010	9:32.65	WALT PFEIFFER	USA	1998	1500 M. FREE			
4:16.20	ALDO DA ROSA	USA	2002	9:36.09	ANDREW HOLDEN	USA	2004	31:01.09	WILLARD LAMB	USA	2013
4:20.43	HIROMU YOSHIMOTO	JPN	2001	9:48.58	JURGEN SCHMIDT	USA	2008	35:20.36	AUSTIN NEWMAN	USA	2005
4:28.38	Y.MIYAMOTO	JPN	2002	10:13.47	DON LEADER	GBR	2009	38:17.40	NILS FERM	SWE	2007
4:32.52	ROBERT MACDONALD	USA	2013	10:26.11	HIRONARI UEDA	JPN	2006	38:53.33	HUGH MCGREGOR	CAN	2009
4:32.75	WATARU ASAOKA	JPN	2011	10:47.13	HERB EISENSCHMIDT	USA	1991	39:33.78	WOODY BOWERSOCK	USA	2004
4:33.70	FERNANDO NAJERA	MEX	2009	11:07.74	WILLIAM JOHNSTON	USA	2003	40:43.49	JOHN HARRISON	GBR	2004
4:36.88	PAUL KRUP	USA	2002	11:48.29	TOM MC CALL	USA	2007	42:51.20	JOHN BRICE	AUS	2009
4:40.49	H.REITEMEYER	GER	2008	*****				43:35.39	E OLE LARSON	USA	2012
50 M. FLY				*****				44:48.99	GUS LANGNER	USA	1996
43.35	MAX VON ISSER	USA	2004	M E N 90-94				47:19.71	EUGENE LEHMAN	CAN	2004
44.10	TOSHIO TAJIMA	JPN	2010	*****				50 M. BACK			
44.69	TAMON YOSHIDA	JPN	2011	50 M. FREE				52.49	GORO KOBAYASHI	JPN	2008
45.50	FRANK PIEMME	USA	2010	41.07	WOODY BOWERSOCK	USA	2003	53.24	R.REINSTADTLER	GER	2002
47.89	ANDREW HOLDEN	USA	2004	42.60	GORO KOBAYASHI	JPN	2006	53.32	TOSHIJI SATO	JPN	2005
50.51	Y.MIYAMOTO	JPN	2002	42.69	WILLARD LAMB	USA	2013	53.85	KAIZO WATANABE	JPN	2013
51.28	THOMAS MAINE	USA	2010	42.76	GEORGE CORONES	AUS	2009	55.25	JOHN MERRILL	USA	2007
52.74	WALT PFEIFFER	USA	1998	42.93	TOKUSHI KOMEDA	JPN	2004	55.47	KAZUNAGA AKUTSU	JPN	2003
53.00	PAUL KRUP	USA	2004	43.89	KAZUNAGA AKUTSU	JPN	2002	56.02	NILS FERM	SWE	2007
53.41	LUDWIG GEBURZI	GER	2006	43.91	ISAMU TAMURA	JPN	2009	56.15	MASAHISA KANEKO	JPN	2003
100 M. FLY				45.03	R.REINSTADTLER	GER	2002	56.39	WILLARD LAMB	USA	2013
1:53.78	THOMAS MAINE	USA	2010	45.58	STEVE CARLSON	USA	2009	56.58	STEVE CARLSON	USA	2009
1:54.07	FRANK PIEMME	USA	2010	45.92	MASAHISA KANEKO	JPN	2002	100 M. BACK			
2:01.65	ANDREW HOLDEN	USA	2004	100 M. FREE				1:47.66	GORO KOBAYASHI	JPN	2006
2:04.50	WALT PFEIFFER	USA	1998	1:39.26	WOODY BOWERSOCK	USA	2003	1:58.27	TOSHIJI SATO	JPN	2005
2:11.49	KARL HAUTER	GER	2012	1:39.29	WILLARD LAMB	USA	2013	1:59.76	WILLARD LAMB	USA	2013
2:13.39	ALDO DA ROSA	USA	2002	1:41.47	TOKUSHI KOMEDA	JPN	2004	2:00.03	JOHN MERRILL	USA	2007
2:15.51	LUDWIG GEBURZI	GER	2007	1:45.28	GORO KOBAYASHI	JPN	2007	2:00.25	R.REINSTADTLER	GER	2002
2:15.74	PAUL KRUP	USA	2003	1:45.44	GEORGE CORONES	AUS	2009	2:05.76	NILS FERM	SWE	2009
2:17.41	PAUL HUTINGER	USA	2009	1:47.51	MASAHISA KANEKO	JPN	2002	2:06.00	WOODY BOWERSOCK	USA	2003
2:23.30	R.REINSTADTLER	GER	1997	1:47.70	STEVE CARLSON	USA	2009	2:06.87	KAIZO WATANABE	JPN	2013
200 M. FLY				1:48.31	JURGEN SCHMIDT	USA	2013	2:09.05	MASAHISA KANEKO	JPN	2003
4:12.21	THOMAS MAINE	USA	2010	1:51.96	HEINZ SIEGEL	GER	2004	2:10.00	JOHN HARRISON	GBR	2006
4:49.10	WALT PFEIFFER	USA	1998	1:54.87	R.REINSTADTLER	GER	2002	200 M. BACK			
5:01.50	PAUL KRUP	USA	2002	200 M. FREE				3:59.25	GORO KOBAYASHI	JPN	2007
5:15.25	PAUL HUTINGER	USA	2009	3:39.65	TOKUSHI KOMEDA	JPN	2004	4:20.68	R.REINSTADTLER	GER	2002
5:29.72	DON LEADER	GBR	2009	3:48.53	GORO KOBAYASHI	JPN	2007	4:25.14	JOHN MERRILL	USA	2007
5:33.83	HIRONARI UEDA	JPN	2006	3:59.28	WOODY BOWERSOCK	USA	2003	4:29.29	WILLARD LAMB	USA	2013
6:10.72	WILLIAM JOHNSTON	USA	2003	4:01.58	JURGEN SCHMIDT	USA	2013	4:29.54	NILS FERM	SWE	2007
6:33.38	BOB DOUD	USA	2009	4:03.31	STEVE CARLSON	USA	2009	4:45.91	ROGERS HOLMES	USA	2011
7:59.16	JAY CHARLES	USA	2007	4:20.43	GASTAO FIGUEIREDO	BRA	2000	4:47.45	WOODY BOWERSOCK	USA	2003
8:26.16	ROY BODINE	USA	1997	4:23.15	MASAHISA KANEKO	JPN	2003	4:47.65	KAIZO WATANABE	JPN	2013
100 M. I.M.				4:26.25	ARTHUR THOMAS	AUS	2007	4:54.70	ALFRED SCHULHOF	CAN	2010
1:32.47	HEINZ SIEGEL	GER	2003	4:27.02	NILS FERM	SWE	2007	4:56.88	H.MIYAZAKI	JPN	2010
1:40.78	KARL HAUTER	GER	2010	4:27.70	GUS LANGNER	USA	1993	50 M. BRST			
1:42.41	FRANK PIEMME	USA	2010	400 M. FREE				53.23	HEINZ JAHR	GER	1997
1:47.12	HIROSHI IMAIZUMI	JPN	2010	7:51.96	WILLARD LAMB	USA	2013	55.68	HIROMU YOSHIMOTO	JPN	2005
1:48.23	ANDREW HOLDEN	USA	2004	8:32.09	JURGEN SCHMIDT	USA	2013	58.39	TAKESHI YASUKAWA	JPN	2013
1:48.52	THOMAS MAINE	USA	2010	8:50.65	GUS LANGNER	USA	1993	58.72	ISAMU TAMURA	JPN	2009
1:51.13	ROLF STELLRECHT	GER	2013	8:52.99	STEVE CARLSON	USA	2009	1:00.00	JOHN HARRISON	GBR	2006
1:51.67	SHOICHI SHIDA	JPN	2012	9:05.71	JOHN MERRILL	USA	2007	1:01.52	FRED SCHULHOF	CAN	2009
1:53.30	JAN ZIEGLER	CZE	2012	9:16.99	NILS FERM	SWE	2007	1:02.26	M.GIAMPIETRO	ITA	2013
1:55.20	LUDWIG GEBURZI	GER	2006	9:23.13	AUSTIN NEWMAN	USA	2005	1:02.37	ALDO CAPUTI	ITA	2005
200 M. I.M.				9:34.51	TOKUSHI KOMEDA	JPN	2006	1:02.62	GEORGE CORONES	AUS	2008
3:48.34	KARL HAUTER	GER	2010	9:37.35	WOODY BOWERSOCK	USA	2003	1:03.85	R.REINSTADTLER	GER	2002
3:50.46	FRANK PIEMME	USA	2010	9:41.12	R.REINSTADTLER	GER	2003	100 M. BRST			
3:54.61	THOMAS MAINE	USA	2010	800 M. FREE				2:15.14	HIROMU YOSHIMOTO	JPN	2005
4:02.22	HIROSHI IMAIZUMI	JPN	2010	16:20.40	WILLARD LAMB	USA	2013	2:23.92	RUSS WITTE	USA	2008
4:07.59	ALDO DA ROSA	USA	2002	18:13.98	JURGEN SCHMIDT	USA	2013	2:32.59	SEITA INAYOSHI	JPN	2013
4:19.20	ANDREW HOLDEN	USA	2004	18:36.25	NILS FERM	SWE	2008	2:32.87	MASAHISA KANEKO	JPN	2002
4:20.08	JAN ZIEGLER	CZE	2013	18:49.01	AUSTIN NEWMAN	USA	2005	2:33.12	GEORGE CORONES	AUS	2008
4:24.58	WALT PFEIFFER	USA	1998	19:31.83	WOODY BOWERSOCK	USA	2003	2:33.67	ALFRED SCHULHOF	CAN	2010
4:32.34	JURGEN SCHMIDT	USA	2008	20:33.27	HUGH MCGREGOR	CAN	2009	2:37.51	M.GIAMPIETRO	ITA	2013
4:34.43	G EDWARD RUDLOFF	USA	2009	20:42.60	KARL BAYERLEIN	GER	2011	2:39.48	JURGEN SCHMIDT	USA	2013
400 M. I.M.				20:48.59	JOHN HARRISON	GBR	2004	2:39.96	E OLE LARSON	USA	2011
8:12.94	THOMAS MAINE	USA	2010	21:30.46	K.MROWCZYNSKI	POL	2012	2:45.20	JIM PENFIELD	USA	1998



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200 M. BRST		1:06.95	JARING TIMMERMAN	CAN 2004	1:31.60	GUS LANGNER	USA 1998	
4:59.71	HIROMU YOSHIMOTO	JPN 2005	1:10.32	ALFREDO CHERCHI	AUS 2002	1:34.02	ALDO CAPUTI	ITA 2010
5:32.73	GEORGE CORONES	AUS 2009	1:12.53	JOHN HARRISON	GBR 2009	1:47.18	MARTIN SCHMIDT	GER 2007
5:35.74	MASAHISA KANEKO	JPN 2003	1:16.34	ROMAN JEZEK	CAN 2009	2:05.41	F.GIANNETTA	ITA 2012
5:37.31	JURGEN SCHMIDT	USA 2013	100 M. FREE			2:58.58	EUGENE LEHMAN	CAN 2008
5:44.96	RUSS WITTE	USA 2008	1:54.60	GEORGE CORONES	AUS 2013	100 M. BRST		
5:46.96	E OLE LARSON	USA 2011	2:09.32	KAZUNAGA AKUTSU	JPN 2007	2:31.77	HIROMU YOSHIMOTO	JPN 2010
5:47.17	SEITA INAYOSHI	JPN 2013	2:19.51	GUS LANGNER	USA 1998	2:43.30	GEORGE CORONES	AUS 2013
5:58.17	WALT PFEIFFER	USA 2003	2:31.62	JARING TIMMERMAN	CAN 2004	3:03.57	RUSS WITTE	USA 2011
6:03.90	M.GIAMPIETRO	ITA 2013	2:43.76	JOHN HARRISON	GBR 2009	3:24.92	ROMAN JEZEK	CAN 2009
6:04.27	BUD JACKSON	USA 2010	2:49.91	JEAN LEEMPUT	FRA 2010	3:35.33	GUS LANGNER	USA 1998
50 M. FLY			3:06.54	R.REINSTADTLER	GER 2007	4:07.54	JACK MATHESON	AUS 2013
56.09	WALT PFEIFFER	USA 2003	3:06.66	F.GIANNETTA	ITA 2012	200 M. BRST		
1:00.50	HEINZ JAHR	GER 1997	3:21.49	ROMAN JEZEK	CAN 2009	5:45.70	HIROMU YOSHIMOTO	JPN 2010
1:07.00	ALDO CAPUTI	ITA 2005	4:05.43	EUGENE LEHMAN	CAN 2008	6:05.88	GEORGE CORONES	AUS 2013
1:08.25	R.REINSTADTLER	GER 2002	200 M. FREE			6:14.84	RUSS WITTE	USA 2011
1:09.41	HEINZ SIEGEL	GER 2004	5:13.46	GUS LANGNER	USA 1998	7:29.31	GUS LANGNER	USA 1998
1:19.93	JURGEN SCHMIDT	USA 2013	5:42.47	ALFREDO CHERCHI	AUS 2002	8:00.06	ROMAN JEZEK	CAN 2009
1:22.46	NORI YAMAMOTO	JPN 1999	5:55.45	JOHN HARRISON	GBR 2009	50 M. FLY		
1:25.02	JOHN HARRISON	GBR 2004	6:25.40	JEAN LEEMPUT	FRA 2010	1:35.76	ALDO CAPUTI	ITA 2010
1:29.42	JIM PENFIELD	USA 1998	7:18.36	F.GIANNETTA	ITA 2012	3:02.06	EUGENE LEHMAN	CAN 2008
1:38.44	ROMAN JEZEK	CAN 2004	8:00.06	ROMAN JEZEK	CAN 2009	100 M. FLY		
100 M. FLY			8:12.83	EUGENE LEHMAN	CAN 2008	6:04.41	WALTER PFEIFFER	USA 2008
2:21.82	WALT PFEIFFER	USA 2003	8:27.62	JACK MATHESON	AUS 2013	100 M. I.M.		
2:41.14	ALDO CAPUTI	ITA 2005	9:40.12	JEAN STORZ	FRA 2009	3:33.98	GUS LANGNER	USA 1998
3:40.42	ROBERT DOUD	USA 2013	400 M. FREE			5:45.94	BILL REEDER	USA 2005
4:25.80	EUGENE LEHMAN	CAN 2003	10:51.93	GUS LANGNER	USA 1998	200 M. I.M.		
4:50.20	BILL REEDER	USA 2001	12:24.23	JOHN HARRISON	GBR 2009	9:50.55	WALTER PFEIFFER	USA 2008
200 M. FLY			16:31.48	EUGENE LEHMAN	CAN 2008	400 M. I.M.		
5:37.23	WALT PFEIFFER	USA 2003	800 M. FREE			21:03.17	WALTER PFEIFFER	USA 2008
8:21.40	ROBERT DOUD	USA 2013	22:05.55	GUS LANGNER	USA 1998	*****		
9:14.77	EUGENE LEHMAN	CAN 2003	32:46.93	EUGENE LEHMAN	CAN 2008	M E N 100-104		
100 M. I.M.			1500 M. FREE			*****		
2:08.86	TOKUSHI KOMEDA	JPN 2004	41:29.87	GUS LANGNER	USA 1998	50 M. FREE		
2:14.23	WALT PFEIFFER	USA 2003	50 M. BACK			1:16.92	JARING TIMMERMAN	CAN 2009
2:15.51	JURGEN SCHMIDT	USA 2013	1:01.25	KAZUNAGA AKUTSU	JPN 2007	2:06.66	TOM LANE	USA 1995
2:16.67	R.REINSTADTLER	GER 2002	1:06.23	GORO KOBAYASHI	JPN 2011	2:07.41	HANS HAHN	GER 2008
2:18.93	ALDO CAPUTI	ITA 2005	1:09.22	TOSHIJI SATO	JPN 2012	100 M. FREE		
2:24.64	HEINZ SIEGEL	GER 2004	1:10.42	NORI YAMAMOTO	JPN 2004	3:02.22	JARING TIMMERMAN	CAN 2009
2:28.50	WOODY BOWERSOCK	USA 2003	1:12.83	JEAN LEEMPUT	FRA 2010	4:32.29	TOM LANE	USA 1995
2:32.79	NORI YAMAMOTO	JPN 2000	1:13.45	JOHN HARRISON	GBR 2009	50 M. BACK		
2:41.51	RUSS WITTE	USA 2008	1:21.47	R.REINSTADTLER	GER 2007	1:45.59	JARING TIMMERMAN	CAN 2009
2:42.05	E OLE LARSON	USA 2011	1:21.53	RUSS WITTE	USA 2011	2:02.52	TOM LANE	USA 1995
200 M. I.M.			1:25.49	JARING TIMMERMAN	CAN 2004	2:09.37	HANS HAHN	GER 2008
5:13.24	WALT PFEIFFER	USA 2003	1:25.89	ALDO CAPUTI	ITA 2010	4:17.99	NOBUO OTSUKI	JPN 2007
5:21.93	JURGEN SCHMIDT	USA 2013	100 M. BACK			100 M. BACK		
6:10.00	JOHN HARRISON	GBR 2004	2:21.73	TOSHIJI SATO	JPN 2010	3:51.54	JARING TIMMERMAN	CAN 2009
7:18.74	ROMAN JEZEK	CAN 2004	2:23.12	KAZUNAGA AKUTSU	JPN 2007	5:01.82	HANS HAHN	GER 2008
7:32.22	EUGENE LEHMAN	CAN 2004	2:25.92	GORO KOBAYASHI	JPN 2012			
7:45.88	ROBERT DOUD	USA 2013	2:43.41	JEAN LEEMPUT	FRA 2010			
8:43.21	BILL REEDER	USA 2001	2:46.68	JOHN HARRISON	GBR 2009			
400 M. I.M.			2:56.67	RUSS WITTE	USA 2011			
11:15.65	WALT PFEIFFER	USA 2003	3:05.23	NORI YAMAMOTO	JPN 2005			
15:21.15	ROBERT DOUD	USA 2013	3:21.49	ROMAN JEZEK	CAN 2009			
15:45.53	EUGENE LEHMAN	CAN 2003	3:38.07	GUS LANGNER	USA 1998			
17:59.19	BILL REEDER	USA 2000	3:39.44	RYUZO KADONO	JPN 2010			
*****			200 M. BACK					
M E N 95-99			6:18.51	JOHN HARRISON	GBR 2009			
*****			7:01.87	ALFREDO CHERCHI	AUS 2002			
50 M. FREE			8:32.34	GUS LANGNER	USA 1998			
47.16	GEORGE CORONES	AUS 2013	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	1:09.34	GEORGE CORONES	AUS 2013			
1:01.65	GERSON SOBEL	USA 2005	1:13.72	RUSS WITTE	USA 2011			
1:02.43	MASAO UEDA	JPN 2007	1:22.80	KAZUNAGA AKUTSU	JPN 2007			
			1:31.50	ROMAN JEZEK	CAN 2009			