



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2008)

Table listing women's 25-29 age group performance in short course meters, including names, countries, and times. The table is organized into columns for different time ranges and includes entries for various events like 50m, 100m, 200m, 400m, and 1500m.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2008)

5:06.61 AYANE SATO	JPN	2007	17:51.25 LISA HAZEN	USA	1995	2:42.39 HIDEKA KOSHIMIZU	JPN	1998
			17:55.18 DARCY MUSSELMAN	CAN	2001	2:42.59 LOUISE MARTIN	USA	2003
*****			17:58.96 LAURIE HUG	USA	1999	2:43.56 MARJORIE DISTEL	FRA	2007
			18:03.95 DONNA JOHNSON	USA	1997	50 M. FLY		
*****			50 M. BACK			26.79 MARTINA MORAVCOVA	USA	2006
			28.99 METTE JACOBSEN	DEN	2006	27.81 METTE JACOBSEN	DEN	2006
50 M. FREE			29.32 NORIKO INADA	USA	2008	27.97 NADINE ROLLAND	CAN	2008
25.64 METTE JACOBSEN	DEN	2006	29.44 NADINE ROLLAND	CAN	2005	28.05 KATRINA RADKE	USA	2004
25.66 TATIANA BARBOSA	BRA	2008	30.08 NAHOMI SHIRATA	JPN	2006	28.34 WENKE HANSEN	USA	2000
25.98 KATRINA RADKE	USA	2004	30.11 GISELI PEREIRA	BRA	2003	28.63 HELENA ABERG	SWE	2005
26.09 NADINE ROLLAND	CAN	2006	30.14 D.GRANER-GALLAS	USA	1996	28.71 HITOMI MATSUDA	JPN	2008
26.20 SANDRA KAZIKOVA	CZE	2006	30.36 ANDREA KUTZ	GER	2005	28.72 YUKI WAKUI	JPN	2004
26.46 ANNA PETTIS-SCOTT	USA	1993	30.38 KANA OHASHI	JPN	2008	28.83 NORIKO INADA	USA	2008
26.50 SUSAN HILL	GBR	2003	30.41 K PIPES-NEILSEN	USA	1996	28.95 LAURA BIANZANI	ITA	2006
26.51 KATJA TROSIEN	GER	2007	30.51 SHERI HART	USA	2003	100 M. FLY		
26.53 JANET MAYVILLE	CAN	2006	100 M. BACK			59.11 MARTINA MORAVCOVA	USA	2006
26.55 SANDY NEILSON	USA	1987	1:02.42 NORIKO INADA	USA	2008	1:00.11 METTE JACOBSEN	DEN	2006
100 M. FREE			1:02.88 METTE JACOBSEN	DEN	2006	1:00.35 HITOMI MATSUDA	JPN	2008
55.59 TATIANA BARBOSA	BRA	2008	1:03.36 K.PIPES-NEILSEN	USA	1996	1:02.39 NADINE ROLLAND	CAN	2005
56.41 METTE JACOBSEN	DEN	2006	1:03.42 KANA OHASHI	JPN	2008	1:02.65 BERIT PUGGAARD	DEN	2004
56.48 PASCALE VERBAUWEN	BEL	1993	1:04.03 J HUDGELL	NZL	1986	1:02.70 WENKE HANSEN	USA	2000
56.64 HITOMI MATSUDA	JPN	2008	1:04.16 D.GRANER-GALLAS	USA	1996	1:03.04 ANJA BEHA	GER	2005
57.33 JANET MAYVILLE	CAN	2006	1:04.30 CAMILLA JOHANSSON	SWE	2004	1:03.21 KATRINA RADKE	USA	2003
57.35 S.NEILSON-BELL	USA	1988	1:04.99 NADINE ROLLAND	CAN	2008	1:03.34 LAURA BIANZANI	ITA	2006
57.46 KATRINA RADKE	USA	2003	1:05.02 GISELI PEREIRA	BRA	2003	1:03.74 FLORENCE CIOTTI	ITA	2006
57.83 TAMARA VAN GORKOM	NED	2005	1:05.24 NAHOMI SHIRATA	JPN	2006	200 M. FLY		
58.07 K PIPES-NEILSEN	USA	1996	200 M. BACK			2:13.09 HITOMI MATSUDA	JPN	2008
58.26 KATJA TROSIEN	GER	2007	2:12.47 L.OBERSTAR-BROWN	USA	2008	2:19.34 LAURA BIANZANI	ITA	2004
200 M. FREE			2:13.51 K.PIPES-NEILSEN	USA	1996	2:19.34 KATRINA RADKE	USA	2003
2:02.70 HITOMI MATSUDA	JPN	2008	2:14.61 KANA OHASHI	JPN	2008	2:19.64 K PIPES-NEILSEN	USA	1996
2:04.64 K PIPES-NEILSEN	USA	1996	2:18.19 JOANNA CORBEN	GBR	2002	2:21.21 FLORENCE CIOTTI	ITA	2006
2:04.98 LYNN MARSHALL	CAN	1991	2:19.60 D.GRANER-GALLAS	USA	1996	2:24.17 KATE VEALE	GBR	2000
2:05.94 BARBARA KEHBEIN	GER	2000	2:19.66 JO SWATTON	GBR	2000	2:24.52 MELISSA VARLAS	USA	2005
2:06.55 KATJA TROSIEN	GER	2008	2:23.45 VALERIE HADD	CAN	2008	2:24.75 SANDIE EASTON	USA	2001
2:06.64 KARIN SEICK	GER	1994	2:24.11 K.WULFF-HOPPE	GER	2002	2:24.84 NICOLA LATTY	GBR	2005
2:06.83 SANDY NEILSON	USA	1987	2:24.89 JODY SMITH	USA	2003	2:24.84 LIDIA VAN BON	NED	2002
2:06.94 ANA GRILO	POR	2003	2:25.19 ANJA EICHHORST	GER	2001	100 M. I.M.		
2:06.96 TAMARA VAN GORKOM	NED	2005	50 M. BRST			1:02.07 MARTINA MORAVCOVA	USA	2006
2:07.24 KATRINA RADKE	USA	2003	31.12 BRITTA STEVENS	GER	2003	1:03.19 HITOMI MATSUDA	JPN	2008
400 M. FREE			32.82 WENKE HANSEN	USA	2000	1:04.44 NADINE ROLLAND	CAN	2005
4:19.48 HITOMI MATSUDA	JPN	2008	32.93 HITOMI MATSUDA	JPN	2007	1:04.96 WENKE HANSEN	USA	1999
4:22.70 K PIPES-NEILSEN	USA	1996	33.13 SUKI BROWNSDON	GBR	1995	1:05.10 SYLVIA GERASCH	GER	2000
4:22.75 YWETTA HLAVACOVA	CZE	2006	33.65 NADINE ROLLAND	CAN	2008	1:05.16 K.PIPES-NEILSEN	USA	1995
4:22.77 ERIKA HANSEN	USA	2003	33.74 DAGMAR HILBIG	GER	1992	1:05.58 HIDEKO HIRANAKA	JPN	2004
4:25.56 KIRSTEN CAMERON	NZL	2007	34.09 SILVA PULFRICH	GER	2008	1:06.25 KANA OHASHI	JPN	2008
4:26.91 LYNN MARSHALL	CAN	1991	34.10 KYLA STEENHART	GBR	2008	1:06.29 NORIKO INADA	USA	2008
4:27.23 ANA GRILO	POR	2002	34.13 FIONA MARSHALL	GBR	2008	1:06.40 SUKI BROWNSDON	GBR	1995
4:29.49 VALERIA VERGANI	ITA	2005	34.48 KAREN JACKSON	GBR	2008	200 M. I.M.		
4:29.59 CINDY BERTELINK	CAN	2008	100 M. BRST			2:14.74 HITOMI MATSUDA	JPN	2008
4:30.16 ASA NEIJ	SWE	2006	1:09.54 HITOMI MATSUDA	JPN	2008	2:18.79 K.PIPES-NEILSEN	USA	1996
800 M. FREE			1:10.00 WENKE HANSEN	USA	2000	2:18.89 WENKE HANSEN	USA	2000
8:55.90 HITOMI MATSUDA	JPN	2008	1:11.81 SUKI BROWNSDON	GBR	1995	2:22.72 KATRINA RADKE	USA	2003
9:01.21 KIRSTEN CAMERON	NZL	2007	1:12.80 SYLVIA GERASCH	GER	2000	2:23.49 CINDY BERTELINK	CAN	2005
9:06.49 ERIKA HANSEN	USA	2003	1:12.93 CYNTHIA LEWIN	USA	2008	2:23.88 NADINE DAY	USA	2003
9:08.32 LYNN MARSHALL	CAN	1993	1:14.28 ALEGRA REICH	USA	2007	2:24.30 KATE VEALE	GBR	2000
9:08.34 K.PIPES-NEILSEN	USA	1996	1:14.31 KAREN JACKSON	GBR	2004	2:24.86 CYNTHIA LEWIN	USA	2008
9:14.03 ASA NEIJ	SWE	2004	1:14.41 MARIT BREITTFELD	GER	2008	2:24.96 DAWN HEWITT	USA	1997
9:17.55 BETH KNIGHT	USA	1990	1:14.64 SILVA PULFRICH	GER	2008	2:25.31 HIDEKA KOSHIMIZU	JPN	1998
9:22.24 PENNY BOND	AUS	1996	1:14.69 DAGMAR HILBIG	GER	1992	400 M. I.M.		
9:22.25 CYNTHIA LEWIN	USA	2008	200 M. BRST			4:51.33 HIDEKO HIRANAKA	JPN	2004
9:22.65 JOANNE REIERSON	USA	2003	2:28.94 HITOMI MATSUDA	JPN	2008	4:51.79 HITOMI MATSUDA	JPN	2008
1500 M. FREE			2:30.65 WENKE HANSEN	USA	2000	4:53.85 K PIPES-NEILSEN	USA	1996
17:01.56 KIRSTEN CAMERON	NZL	2007	2:37.84 CYNTHIA LEWIN	USA	2008	5:04.56 BARBARA KEHBEIN	GER	2000
17:13.38 HITOMI MATSUDA	JPN	2007	2:39.65 SYLVIA GERASCH	GER	2000	5:06.05 SUKI BROWNSDON	GBR	1997
17:21.99 LYNN MARSHALL	CAN	1992	2:40.08 SUKI BROWNSDON	GBR	1997	5:07.39 NADINE DAY	USA	2002
17:23.60 KAREN BURTON	USA	1994	2:40.61 CAROLINE MATHIAS	FRA	2006	5:07.66 ANA GRILO	POR	2003
17:44.19 ALISON ZAMANIAN	USA	2004	2:41.63 KAREN JACKSON	GBR	2004	5:08.14 CORNELIA BLEUL	GER	1996
17:46.97 JACQUI ROBINSON	AUS	2005						



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5:08.64	KATE VEALE	GBR	2000	17:43.10	BETH KNIGHT	USA	1994	2:48.35	STEFANIA MONTI	ITA	2005
5:09.02	CINDY BERTELINK	CAN	2005	17:46.79	VALERIA VERGANI	ITA	2008	2:48.65	KATJA SEEGER-BOSE	GER	2006
				17:47.08	SARA NELSON	USA	2008	2:48.66	MARZENA KULIS	ITA	2002

WOMEN 35-39											

50	M.	FREE		18:02.22	LISA HAZEN	USA	2003	2:48.66	K PIPES-NEILSEN	USA	1998
				50	M.	BACK		50	M.	FLY	
25.10	DARA TORRES	USA	2006	29.25	SHERI HART	USA	2008	28.68	TRACIE MOLL	USA	2001
26.13	S.NEILSON-BELL	USA	1995	29.59	GISELI PEREIRA	BRA	2008	28.86	HELENA ABERG	SWE	2007
26.63	HELENA ABERG	SWE	2007	29.91	CINDY MABEE	CAN	2008	28.97	YOKO YAMAGUCHI	JPN	2008
26.70	SHERI HART	USA	2008	30.73	K PIPES-NEILSEN	USA	1999	29.08	K PIPES-NEILSEN	USA	2000
26.78	FALL WILLEBOORDSE	USA	2002	30.92	MARIKA MC CUE	USA	2002	29.09	DEBBIE YOUNGER	CAN	2005
26.99	MARIE ARMENTERO	ITA	2003	31.03	HELEN JAMESON	GBR	1998	29.12	SHERI HART	USA	2008
27.03	MARIKA JOHANSSON	SWE	2005	31.24	MARIANNE KRIEL	RSA	2006	29.31	SILVIA PAROCCHI	ITA	2005
27.10	YUKIKO OZAWA	JPN	2003	31.30	KITTY PERKINS	GBR	2008	29.33	KRISTINA ULVELING	USA	2008
27.15	COLLETTE SAPPEY	USA	2002	31.35	FALL WILLEBOORDSE	USA	2002	29.50	NADINE DAY	USA	2005
27.15	TRACIE MOLL	USA	2001	31.47	MONICA SORO	ITA	2005	29.51	LYNNE HAYES	AUS	2007
100	M.	FREE		100	M.	BACK		100	M.	FLY	
54.95	DARA TORRES	USA	2006	1:02.44	SHERI HART	USA	2008	1:03.07	DEBBIE YOUNGER	CAN	2005
57.65	K PIPES-NEILSEN	USA	2000	1:03.56	K PIPES-NEILSEN	USA	1997	1:03.29	K PIPES-NEILSEN	USA	1997
57.79	KARIN SEICK	GER	1996	1:04.24	GISELI PEREIRA	BRA	2008	1:04.09	MELANIA BUSSIÈRE	CAN	2008
58.09	SHERI HART	USA	2008	1:04.61	CINDY MABEE	CAN	2008	1:04.33	TRACIE MOLL	USA	2001
58.57	MANUELA SCHUBERT	GER	2006	1:05.93	KARIN SEICK	GER	1996	1:04.62	DEBORAH YOUNGER	JPN	2006
58.62	S.NEILSON-BELL	USA	1995	1:05.94	D GRANER GALLAS	USA	1999	1:04.64	LYNNE HAYES	AUS	2007
58.66	BETH KNIGHT	USA	1994	1:06.02	JOANNA CORBEN	GBR	2005	1:05.31	BETH BAKER	USA	2000
58.73	MELANIA BUSSIÈRE	CAN	2008	1:06.47	MELANIA BUSSIÈRE	CAN	2008	1:05.49	NADINE DAY	USA	2005
58.79	JILL HERNANDEZ	USA	1999	1:07.24	SILVIA PAROCCHI	ITA	2004	1:05.53	KRISTINA ULVELING	USA	2008
58.80	TRACIE MOLL	USA	2001	1:07.40	ASA NEIJ	SWE	2008	1:05.61	LAUREN WELTING	USA	2000
2:03.56	K PIPES-NEILSEN	USA	1997	2:00	M.	BACK		200	M.	FLY	
2:06.18	LAUREN WELTING	USA	2000	2:14.10	K PIPES-NEILSEN	USA	1997	2:18.41	K PIPES-NEILSEN	USA	1997
2:06.86	JILL HERNANDEZ	USA	1999	2:19.82	JOANNA CORBEN	GBR	2006	2:21.76	DEBBIE YOUNGER	CAN	2005
2:06.96	D GRANER GALLAS	USA	1999	2:20.95	GISELI PEREIRA	BRA	2007	2:24.80	KATE VEALE	GBR	2002
2:06.99	VALERIA VERGANI	ITA	2006	2:22.08	CINDY MABEE	CAN	2008	2:25.06	JILL HERNANDEZ	USA	1997
2:07.36	MELANIA BUSSIÈRE	CAN	2008	2:22.82	DAPHNE FUCHS	GER	1998	2:25.52	NADINE DAY	USA	2006
2:07.58	S.NEILSON-BELL	USA	1995	2:23.86	SILVIA PAROCCHI	ITA	2002	2:25.91	LAUREN WELTING	USA	2000
2:07.69	ANA PAULA GRILO	POR	2004	2:24.71	DEBBIE YOUNGER	CAN	2005	2:25.96	KRISTINA ULVELING	USA	2008
2:07.74	BETH KNIGHT	USA	1994	2:24.71	DEBBIE YOUNGER	CAN	2005	2:25.96	NICOLA LATTY	GBR	2007
2:08.12	KARIN SEICK	GER	1996	2:25.89	ANDREA LUALLEN	USA	2001	2:26.09	KYOKO YAMADA	JPN	2008
4:00	M.	FREE		2:26.96	MONICA OLMI	ITA	2005	2:26.45	ANA PAULA GRILO	POR	2006
4:22.56	K PIPES-NEILSEN	USA	1999	2:27.11	KRISTIN GARY	USA	2002	100	M.	I.M.	
4:24.56	LAUREN WELTING	USA	2000	50	M.	BRST		1:05.40	K PIPES-NEILSEN	USA	2000
4:26.57	JILL HERNANDEZ	USA	1999	33.03	CAROLINE KRATTLI	USA	2000	1:05.89	SHERI HART	USA	2008
4:27.62	VALERIA VERGANI	ITA	2006	33.89	DAGMAR HILBIG	GER	1993	1:06.50	SILVIA PAROCCHI	ITA	2005
4:29.09	PENNY BOND	AUS	1999	33.91	P.BRULHART N'DULA	SUI	2003	1:07.31	NADINE DAY	USA	2005
4:29.71	ASA NEIJ	SWE	2008	34.32	STEFANIA MONTI	ITA	2005	1:07.51	DEBBIE YOUNGER	CAN	2005
4:30.30	ANA PAULA GRILO	POR	2004	34.50	S.SEMINATORE	ITA	2003	1:07.53	CAROLINE KRATTLI	USA	2000
4:31.35	ALISON ZAMANIAN	USA	2008	34.63	LESLIE OSBORNE	USA	1989	1:07.77	MONICA SORO	ITA	2006
4:31.94	CHARLOTT PETERSEN	USA	2001	34.64	ANNETT REX	GER	2004	1:07.99	KATE VEALE	GBR	2002
4:31.98	LYNN MARSHALL	CAN	1997	34.84	K PIPES-NEILSEN	USA	1999	1:08.07	ASA NEIJ	SWE	2008
800	M.	FREE		34.90	NADINE DAY	USA	2007	1:08.15	S NEILSON-BELL	USA	1992
9:12.97	ALISON ZAMANIAN	USA	2006	35.08	C.SILBERZAHN	GER	2001	200	M.	I.M.	
9:13.05	ASA NEIJ	SWE	2008	100	M.	BRST		2:19.08	K PIPES-NEILSEN	USA	2000
9:14.27	LAURIE HUG	USA	2000	1:11.97	CAROLINE KRATTLI	USA	2000	2:23.47	DEBBIE YOUNGER	CAN	2005
9:14.92	KRISTINA ULVELING	USA	2008	1:14.55	ANNETT REX	GER	2004	2:24.94	NADINE DAY	USA	2005
9:15.40	K PIPES-NEILSEN	USA	1998	1:15.50	NADINE DAY	USA	2005	2:25.26	KARIN SEICK	GER	1996
9:17.93	PENNY BOND	AUS	1997	1:15.56	STEFANIA MONTI	ITA	2004	2:25.39	JILL HERNANDEZ	USA	1997
9:20.34	LAURIE DODD	USA	2007	1:15.65	K PIPES-NEILSEN	USA	1997	2:26.10	KATE VEALE	GBR	2001
9:21.94	LYNN MARSHALL	CAN	1996	1:16.40	DAGMAR HILBIG	GER	1995	2:26.89	SILVIA PAROCCHI	ITA	2005
9:23.86	N.MUIR-COCHRANE	GBR	2000	1:16.62	P.BRULHART N'DULA	SUI	2003	2:27.72	LAUREN WELTING	USA	2000
9:24.81	BETH KNIGHT	USA	1994	1:16.70	LESLIE OSBORNE	USA	1989	2:27.85	SARA NELSON	USA	2008
17:20.59	LYNN MARSHALL	CAN	1996	1:16.79	MARZENA KULIS	ITA	2002	2:27.95	ANA PAULA GRILO	POR	2006
17:27.84	LAURIE HUG	USA	2000	1:17.52	NAMI OKAMOTO	JPN	2005	400	M.	I.M.	
17:35.69	PENNY BOND	AUS	1997	2:00	M.	BRST		4:52.83	K PIPES-NEILSEN	USA	1997
17:36.24	K PIPES-NEILSEN	USA	1999	2:36.04	CAROLINE KRATTLI	USA	2000	5:02.22	LAUREN WELTING	USA	2000
17:36.58	KRISTINA ULVELING	USA	2008	2:42.58	HELEN GORMAN	GBR	2008	5:09.87	NADINE DAY	USA	2006
				2:44.36	NADINE DAY	USA	2006	5:10.43	JILL HERNANDEZ	USA	1999
				2:44.81	DAGMAR HILBIG	GER	1995	5:12.40	VALERIA VERGANI	ITA	2007
				2:46.93	KEIKO OKAMOTO	JPN	2006	5:12.42	KATE VEALE	GBR	2002
				2:47.78	NAMI OKAMOTO	JPN	2006	5:12.55	SARA NELSON	USA	2008



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5:12.75	ANA PAULA GRILLO	POR	2004	18:03.41	LAURIE HUG	USA	2008	2:47.00	S.SEMINATORE	ITA	2004
5:13.70	JOANNA CORBEN	GBR	2007	18:24.38	AMY DANTZLER	USA	2006	2:47.54	DAGMAR HILBIG	GER	1999
5:14.35	BIRGIT LOHBERG	USA	2004	18:29.76	ROBYNN MASTERS	USA	1999	2:49.01	AMANDA HEATH	GBR	1998
*****				18:30.26	C.PETERSEN	USA	2007	2:50.00	KATHY RENARD	CAN	2004
				18:33.31	REBECCA KALIBAT	USA	2004	2:50.27	K PIPES-NEILSEN	USA	2004
				18:38.10	ANNA MARIA NUNIA	ITA	2004	50 M. FLY			
				50 M. BACK				28.13	GABRIELE BLANK	GER	2006
				30.74	KRISTIN GARY	USA	2008	28.21	SUSAN VD LIPPE	USA	2005
				30.97	K.PIPES-NEILSEN	USA	2005	28.86	SILVIA PAROCCHI	ITA	2007
				31.40	MARIKA MCCUE	USA	2003	29.06	ASTRID BENCSEK	SWE	2000
				31.44	JULIE ROBERTS	USA	2008	29.45	MARIE SADLER	GBR	2000
				31.55	LAURA VAL	USA	1993	29.51	K PIPES-NEILSEN	USA	2003
				31.61	SILVIA PAROCCHI	ITA	2006	29.55	EDITH OTTERMANN	RSA	2007
				31.72	JUNKO NAKANO	JPN	2008	29.57	DANIELA DE PONTI	ITA	2006
				31.81	VIBEKE SWANSON	USA	2001	29.68	BETH BAKER	USA	2001
				31.86	CAROLINE KRATTLI	USA	2002	29.75	CYNTHIA PINCOTT	CAN	2003
				31.87	SANDRA MICHELINI	ITA	2007	100 M. FLY			
				100 M. BACK				1:02.13	S.VON DER LIPPE	USA	2008
				1:05.43	K PIPES-NEILSEN	USA	2002	1:03.31	K PIPES-NEILSEN	USA	2003
				1:05.92	KRISTIN GARY	USA	2008	1:04.93	SILVIA PAROCCHI	ITA	2006
				1:06.61	SILVIA PAROCCHI	ITA	2008	1:05.45	DANIELA DE PONTI	ITA	2006
				1:07.75	VIBEKE SWANSON	USA	2002	1:05.49	BETH BAKER	USA	2001
				1:07.92	BETH BAKER	USA	2001	1:05.84	JILL HERNANDEZ	USA	2000
				1:07.96	UTE ROMBERG	GER	2001	1:05.85	BIRGIT LOHBERG	USA	2006
				1:08.49	MARIKA MCCUE	USA	2005	1:06.10	ANGELA DELISSEN	GER	2008
				1:09.24	KARIN SEICK	GER	2002	1:06.45	MARIE SADLER	GBR	2000
				1:09.37	HELEN WHITFORD	AUS	2007	1:06.47	JULIE GIBSON	GBR	2008
				1:09.54	MIKI NAMAI	JPN	2007	200 M. FLY			
				200 M. BACK				2:20.66	SUSAN VD LIPPE	USA	2006
				2:19.09	K PIPES-NEILSEN	USA	2003	2:20.71	K PIPES-NEILSEN	USA	2002
				2:22.68	KRISTIN GARY	USA	2008	2:25.30	JUDY BROWN	GBR	2005
				2:23.22	SILVIA PAROCCHI	ITA	2006	2:26.07	BIRGIT LOHBERG	USA	2006
				2:25.78	BETH BAKER	USA	2001	2:26.15	BETH BAKER	USA	2001
				2:27.40	LAURA SMITH	USA	2008	2:27.65	ANGELA DELISSEN	GER	2008
				2:28.01	VIBEKE SWANSON	USA	2002	2:28.39	MARZENA KULIS	ITA	2007
				2:29.22	HELEN WHITFORD	AUS	2007	2:28.50	LYNN MARSHALL	CAN	2004
				2:29.40	ANGELA DELISSEN	GER	2007	2:29.19	LAURA VAL	USA	1993
				2:29.48	INGRID MOLLERUP	NOR	2001	2:29.20	JULIE GIBSON	GBR	2008
				2:30.11	BIRGIT LOHBERG	USA	2007	100 M. I.M.			
				50 M. BRST				1:04.25	S.VON DER LIPPE	USA	2008
				32.93	S.VON DER LIPPE	USA	2007	1:05.56	K PIPES-NEILSEN	USA	2003
				33.67	CAROLINE KRATTLI	USA	2003	1:07.20	CAROLINE KRATTLI	USA	2002
				34.11	MAGGIE KELLY	GBR	2000	1:08.18	SILVIA PAROCCHI	ITA	2006
				34.31	MARZENA KULIS	ITA	2007	1:08.48	MAGGIE KELLY	GBR	1998
				34.34	DAGMAR HILBIG	GER	1998	1:08.74	ANETTE PHILIPSSON	SWE	2008
				34.98	K PIPES-NEILSEN	USA	2002	1:08.82	SARAH MACDONALD	CAN	2003
				35.22	E.HAKANSSON	CAN	2000	1:08.91	JILL HERNANDEZ	USA	2004
				35.38	S.SEMINATORE	ITA	2006	1:08.98	BETH BAKER	USA	2001
				35.40	MONICA CORO	ITA	2005	1:08.99	DANIELA DE PONTI	ITA	2006
				35.41	JOANNE MINION	GBR	2008	200 M. I.M.			
				100 M. BRST				2:19.21	S.VON DER LIPPE	USA	2007
				1:10.55	S.VON DER LIPPE	USA	2007	2:20.55	K PIPES-NEILSEN	USA	2003
				1:12.08	CAROLINE KRATTLI	USA	2003	2:22.51	JILL HERNANDEZ	USA	2000
				1:13.16	MARZENA KULIS	ITA	2007	2:25.86	BIRGIT LOHBERG	USA	2006
				1:14.79	MAGGIE KELLY	GBR	1998	2:26.51	CAROLINE KRATTLI	USA	2003
				1:15.66	H.MORRIS-EYTON	RSA	2008	2:27.66	SILVIA PAROCCHI	ITA	2007
				1:17.02	DAGMAR HILBIG	GER	2000	2:27.85	ANGELA DELISSEN	GER	2007
				1:17.04	K PIPES-NEILSEN	USA	2002	2:28.10	VIBEKE SWANSON	USA	2001
				1:17.71	M.ODILE CHARLES	FRA	2003	2:28.94	MARZENA KULIS	ITA	2007
				1:17.74	S.SEMINATORE	ITA	2006	2:29.41	LAUREEN WELTING	USA	2008
				1:18.06	KATHY RENARD	CAN	2004	400 M. I.M.			
				200 M. BRST				5:00.82	K PIPES-NEILSEN	USA	2002
				2:32.37	S.VON DER LIPPE	USA	2008	5:02.17	JILL HERNANDEZ	USA	2000
				2:39.10	CAROLINE KRATTLI	USA	2002	5:03.49	SUSAN VD LIPPE	USA	2006
				2:43.88	MARZENA KULIS	ITA	2008	5:13.39	BIRGIT LOHBERG	USA	2006
				2:44.59	H.MORRIS-EYTON	RSA	2008	5:13.86	VIBEKE SWANSON	USA	2001
				2:46.13	ANGELA DELISSEN	GER	2007	5:18.30	ANGELA DELISSEN	GER	2007



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5:21.60	LYNN MARSHALL	CAN	2001	18:40.49	SUSANNE SIMPSON	USA	2008	2:49.50	MONICA CORO	ITA	2007
5:22.15	LAURIE HUG	USA	2007	18:52.67	MARGEE CURRAN	USA	2007	2:53.17	K.PIPES-NEILSEN	USA	2007
5:22.55	CYNTHIA PINCOTT	CAN	2006	18:55.82	LAURA VAL	USA	1998	2:53.23	AMANDA HEATH	GBR	2003
5:22.59	ROBYNN MASTERS	USA	1999	18:58.40	C.TARANTINO	ITA	2002	2:54.02	ULRIKE URBANIAK	GER	2000
*****				19:02.68	DENISE BROWN	USA	2007	2:54.05	COLETTE CRABBE	USA	2002
				19:06.25	JEANNE CARLSEN	CAN	2007	2:54.57	KAREN MELICK	USA	2003
				19:06.85	JENNY WHITELEY	AUS	2004	2:54.98	KATE SORENSEN	DEN	2007
				19:07.12	K.PIPES-NEILSEN	USA	2008	50 M. FLY			
				50 M. FREE				29.21	LAURIE DITOMMASO	USA	2008
27.09	K.PIPES-NEILSEN	USA	2007	30.58	K.PIPES-NEILSEN	USA	2007	29.59	K.PIPES-NEILSEN	USA	2008
27.31	SARAH MACDONALD	CAN	2005	31.45	BARBARA OPITZ	GER	2006	29.97	USCHI DUMIG	GER	2005
27.54	LISA DAHL	USA	2006	31.71	LESLIE LIVINGSTON	USA	2008	30.02	KARIN SEICK	GER	2006
27.69	LIZ HOBBS	USA	2007	32.14	SHIZUKO HIRAIISHI	JPN	2007	30.05	SHIZUKO HIRAIISHI	JPN	2008
27.77	KARIN SEICK	GER	2006	32.51	LAURIE DITOMMASO	USA	2008	30.18	LISA DAHL	USA	2006
27.77	JENNY WHITELEY	AUS	2003	32.54	VIBEKE SWANSON	USA	2006	30.24	TRACI GRANGER	USA	2007
27.78	STEFANIE NIEMIETZ	GER	2008	32.59	K.ANDRUS-HUGHES	USA	2006	30.37	ARLENE DELMAGE	USA	2008
27.96	HAYLEY BETTINSON	GBR	2008	32.65	L VAN PELT-DILLER	USA	2003	30.45	KAREN MCBEATH	GBR	2008
28.02	LAURIE DITOMMASO	USA	2008	32.67	LAURA VAL	USA	1999	30.51	ANGELA ZINGLER	GER	2001
28.06	JACKI HIRSTY	USA	2000	32.68	ANN KOURI	CAN	2006	100 M. FLY			
100 M. FREE				100 M. BACK				1:04.40	K.PIPES-NEILSEN	USA	2007
58.61	K.PIPES-NEILSEN	USA	2007	1:05.55	K.PIPES-NEILSEN	USA	2008	1:06.75	SHIZUKO HIRAIISHI	JPN	2008
59.58	SARAH MACDONALD	CAN	2005	1:09.20	VIBEKE SWANSON	USA	2006	1:07.07	JUDY HATTLE	GBR	2005
1:00.41	KARIN SEICK	GER	2007	1:09.27	VERA CAPKOVA	BEL	2006	1:07.99	SUZANNE SIMPSON	USA	2005
1:01.42	JENNY WHITELEY	AUS	2003	1:09.68	KARIN SEICK	GER	2007	1:08.10	LAURA VAL	USA	1999
1:01.54	SUSANNA ROSEN	SWE	2008	1:09.90	L.PELT-DILLER	USA	2006	1:08.54	ARLENE DELMAGE	USA	2007
1:01.94	REBECCA PERROTT	NZL	2006	1:10.33	LISA DIXON-WELLS	CAN	2006	1:08.93	JUDITH HATTLE	GBR	2008
1:01.97	CATHY CODLING	AUS	2008	1:10.62	CATHY SHEEHAN	CAN	2005	1:09.17	LYNN MARSHALL	CAN	2008
1:02.00	LAURA VAL	USA	1998	1:10.64	LESLEY WILDE	GBR	2004	1:09.24	JENNY WHITELEY	AUS	2003
1:02.17	ATIE PIJTKA	NED	2003	1:10.84	WHITNEY ZEIGER	USA	2008	1:09.27	TRACI GRANGER	USA	2007
1:02.20	BARBARA GELLRICH	GER	2006	1:10.90	K ANDRUS-HUGHES	USA	2004	200 M. FLY			
1:02.20	LYNN MARSHALL	CAN	2006	200 M. BACK				2:23.61	K.PIPES-NEILSEN	USA	2008
200 M. FREE				2:22.53	K.PIPES-NEILSEN	USA	2007	2:28.26	LYNN MARSHALL	CAN	2006
2:05.94	K.PIPES-NEILSEN	USA	2007	2:31.42	LYNN MARSHALL	CAN	2006	2:29.32	SUZANNE SIMPSON	USA	2005
2:10.91	S HEIM-BOWEN	USA	2003	2:32.56	VIBEKE SWANSON	USA	2006	2:30.44	ARLENE DELMAGE	USA	2008
2:11.00	LYNN MARSHALL	CAN	2006	2:32.71	BRIGID BUNCH	USA	2008	2:32.52	LAURA VAL	USA	1999
2:11.09	JENNY WHITELEY	AUS	2003	2:32.74	L.PELT-DILLER	USA	2006	2:33.73	CYNTHIA PINCOTT	CAN	2007
2:13.72	BARBARA GELLRICH	GER	2008	2:32.77	NAOKO SHIDE	JPN	2008	2:34.15	JUDY HATTLE	GBR	2005
2:14.03	SUSANNA ROSEN	SWE	2008	2:33.97	WHITNEY ZEIGER	USA	2008	2:35.17	JENNY WHITELEY	AUS	2003
2:15.20	MARGEE CURRAN	USA	2007	2:34.50	LESLEY WILDE	GBR	2004	2:35.34	JUDITH HATTLE	GBR	2008
2:15.31	LAURA VAL	USA	2000	2:36.25	KAREN EINSIDLER	USA	2001	2:35.46	SHIZUKO HIRAIISHI	JPN	2008
2:15.44	JANA MATENA	USA	2007	2:36.38	CATHY SHEEHAN	CAN	2005	100 M. I.M.			
2:15.80	VIBEKE SWANSON	USA	2007	50 M. BRST				1:06.39	K.PIPES-NEILSEN	USA	2008
400 M. FREE				33.94	CAROLINE KRATTLI	USA	2007	1:08.59	CAROLINE KRATTLI	USA	2007
4:28.51	K.PIPES-NEILSEN	USA	2007	34.36	ALISON NYE	GBR	2002	1:09.28	SARAH MACDONALD	CAN	2005
4:30.98	S HEIM-BOWEN	USA	2003	34.60	SWICZINSKY-KORDES	GER	2001	1:09.68	JENNY WHITELEY	AUS	2003
4:33.09	LYNN MARSHALL	CAN	2006	34.64	MAGGIE KELLY	GBR	2001	1:10.39	SHIZUKO HIRAIISHI	JPN	2007
4:43.49	JENNY WHITELEY	AUS	2003	34.70	JUDY GARAY	CAN	2005	1:10.47	VIBEKE SWANSON	USA	2006
4:43.60	MARGEE CURRAN	USA	2007	34.79	MONICA CORO	ITA	2007	1:10.59	LAURIE DITOMMASO	USA	2008
4:43.85	BARBARA GELLRICH	GER	2007	35.67	K.PIPES-NEILSEN	USA	2007	1:10.87	MAGGIE KELLY	GBR	2001
4:44.19	SUSANNA ROSEN	SWE	2008	36.34	LAURIE DITOMMASO	USA	2008	1:11.30	LISA DIXON-WELLS	CAN	2006
4:44.77	SUSANNE SIMPSON	USA	2007	36.36	SARAH MACDONALD	CAN	2006	1:11.80	LESLIE LIVINGSTON	USA	2008
4:46.15	JANA MATENA	USA	2007	36.41	JENNY WHITELEY	AUS	2003	200 M. I.M.			
4:46.20	KAREN EINSIDLER	USA	2002	100 M. BRST				2:23.49	K.PIPES-NEILSEN	USA	2007
800 M. FREE				1:13.38	CAROLINE KRATTLI	USA	2007	2:29.69	CAROLINE KRATTLI	USA	2007
9:20.08	K.PIPES-NEILSEN	USA	2008	1:15.86	MONICA CORO	ITA	2007	2:31.99	VIBEKE SWANSON	USA	2006
9:21.65	LYNN MARSHALL	CAN	2006	1:16.06	K.PIPES-NEILSEN	USA	2007	2:33.25	LYNN MARSHALL	CAN	2006
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:17.16	MAGGIE KELLY	GBR	2001	2:34.02	JENNY WHITELEY	AUS	2003
9:40.50	MARGEE CURRAN	USA	2007	1:18.13	JENNY WHITELEY	AUS	2003	2:34.13	LISA DIXON-WELLS	CAN	2008
9:40.69	SUSANNE SIMPSON	USA	2008	1:19.67	MARJA BLOEMZAAD	NED	2007	2:34.33	CYNTHIA PINCOTT	CAN	2007
9:41.99	BARBARA GELLRICH	GER	2007	1:19.82	KATE SORENSEN	DEN	2008	2:35.12	ANN KOURI	CAN	2006
9:45.58	SUSANNA ROSEN	SWE	2008	1:19.93	MELINDA MANN	USA	2002	2:35.34	SUSANNA ROSEN	SWE	2008
9:52.74	JANA MATENA	USA	2007	1:20.29	MASAKO ICHIMARU	JPN	2007	2:35.41	BARBARA GELLRICH	GER	2008
9:54.21	KAREN EINSIDLER	USA	2002	1:20.50	RUTH CHEEMA	GBR	2007	400 M. I.M.			
9:56.33	ANDREA BLOCK	USA	2008	200 M. BRST				5:09.02	K.PIPES-NEILSEN	USA	2007
1500 M. FREE				2:42.10	CAROLINE KRATTLI	USA	2007	5:19.13	LYNN MARSHALL	CAN	2006
17:46.32	LYNN MARSHALL	CAN	2007	2:48.38	JENNY WHITELEY	AUS	2003	5:19.58	VIBEKE SWANSON	USA	2006
17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:48.56	JUDIT HAIDU	AUT	2007	5:28.91	JENNY WHITELEY	AUS	2003



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5:31.00	LESLEY WILDE	GBR	2007	19:04.24	JENNY WHITELEY	AUS	2008	2:57.11	JENNY COOK	USA	2008
5:31.35	BARBARA GELLRICH	GER	2007	19:05.12	JEANNE CARLSEN	CAN	2008	2:57.49	ULRIKE URBANIAK	GER	2003
5:31.97	NAOKO SHIDE	JPN	2007	19:10.69	KATHERINE BRANCH	USA	2007	2:58.35	AMANDA HEATH	GBR	2007
5:33.37	LAURA VAL	USA	1999	19:16.80	C.TARANTINO	ITA	2006	2:59.41	KAREN MELICK	USA	2007
5:33.88	LISA DIXON-WELLS	CAN	2008	19:25.47	N.STEADMAN-MARTIN	USA	2007	2:59.48	DANIELLE OGIER	USA	2002
5:35.49	REBECCA PERROTT	NZL	2006	19:31.34	BARBARA DUNBAR	USA	2000	3:00.66	FRANCES PENWARDEN	GBR	2005
				19:45.26	JENNY COOK	USA	2008	3:00.98	CHRISTIANE HEEREN	GER	1999
				19:56.25	CHRISTIE CIRAULO	USA	2004	3:01.22	MELINDA MANN	USA	2006
				19:59.84	TRACY GRILLI	USA	2007	3:01.25	JENNIFER MERRITT	GBR	2002

WOMEN 50-54											

50	M.	FREE		50	M.	BACK		50	M.	FLY	
28.12	JENNY WHITELEY	AUS	2008	32.13	K.ANDRUS-HUGHES	USA	2008	30.38	ANGELA ZINGLER	GER	2005
28.43	G.TALOCCHINO	FRA	2006	32.55	J SWAGERTY-HILL	USA	2002	30.60	TRACI GRANGER	USA	2008
28.54	JACKI HIRSTY	USA	2002	32.72	LAURA VAL	USA	2005	30.88	JENNY WHITELEY	AUS	2008
28.56	LAURA VAL	USA	2001	33.40	L.PELT-DILLER	USA	2008	31.11	HARUMI SUGINUMA	JPN	2007
28.65	JOEL FELDMANN	USA	2002	33.45	AROMA MARTORELL	BRA	2008	31.16	LAURA VAL	USA	2001
29.11	ANGELA ZINGLER	GER	2004	33.94	AHELEE SUE OSBORN	USA	2008	31.39	SACHIKO SAITO	JPN	2006
29.16	L.CRITTENDEN	USA	2006	34.05	JOEL FELDMANN	USA	2002	31.86	STEPHANIE ROLLINS	USA	2008
29.19	GUNILLA RASMUSSEN	SWE	2007	34.10	BONNIE BILICH	USA	2008	31.97	ROBIN PARISI	USA	2005
29.24	HEATHER CAMPBELL	NZL	2006	34.32	EVIE LYNCH	USA	2005	31.97	JOEL FELDMANN	USA	2002
29.25	LINDSEY GOWLAND	GBR	2007	34.35	S.RAMOGER RIGAUD	FRA	2007	32.50	ARDETH MUELLER	USA	1991
100	M.	FREE		100	M.	BACK		100	M.	FLY	
1:01.49	LAURA VAL	USA	2001	1:10.35	K.ANDRUS-HUGHES	USA	2007	1:09.05	LAURA VAL	USA	2001
1:01.95	JENNY WHITELEY	AUS	2008	1:10.51	L.PELT-DILLER	USA	2008	1:09.94	JENNY WHITELEY	AUS	2008
1:03.21	G.TALOCCHINO	FRA	2006	1:12.35	AHELEE SUE OSBORN	USA	2008	1:09.94	TRACI GRANGER	USA	2008
1:03.26	TRACI GRANGER	USA	2008	1:12.95	LAURA VAL	USA	2001	1:11.10	HARUMI SUGINUMA	JPN	2007
1:03.29	JACKI HIRSTY	USA	2002	1:13.63	EVIE LYNCH	USA	2004	1:11.81	JENNY COOK	USA	2008
1:03.47	K.ANDRUS-HUGHES	USA	2007	1:13.87	BONNIE BILICH	USA	2008	1:12.09	MATHILDE VINK	NED	2008
1:03.97	HEATHER CAMPBELL	NZL	2006	1:14.62	JANE HILL	USA	2001	1:12.66	ARDETH MUELLER	USA	1991
1:04.10	ATIE PIJTAK	NED	2007	1:14.78	BENEDICTE DUPREZ	FRA	2001	1:13.21	MELINDA MANN	USA	2006
1:04.25	JENNY COOK	USA	2008	1:14.95	PATTY LANDERS	USA	2006	1:14.06	JEANNE CARLSEN	CAN	2008
1:04.28	AHELEE SUE OSBORN	USA	2008	1:15.30	AROMA MARTORELL	BRA	2008	1:14.18	ANGELA ZINGLER	GER	2004
2:00	M.	FREE		1:15.30	DEBBIE CAVANAUGH	USA	2008	200	M.	FLY	
2:14.66	LAURA VAL	USA	2003	2:00	M.	BACK		2:38.73	JENNY COOK	USA	2008
2:16.50	JENNY WHITELEY	AUS	2008	2:34.69	L.PELT-DILLER	USA	2008	2:39.11	LAURA VAL	USA	2005
2:17.99	JENNY COOK	USA	2008	2:37.89	C.TARANTINO	ITA	2005	2:39.93	MATHILDE VINK	NED	2008
2:18.85	AHELEE SUE OSBORN	USA	2008	2:38.96	BONNIE BILICH	USA	2008	2:42.27	N.STEADMAN-MARTIN	USA	2007
2:20.61	DANIELLE OGIER	USA	2002	2:39.54	AHELEE SUE OSBORN	USA	2008	2:44.27	JEANNE CARLSEN	CAN	2008
2:20.93	ATIE PIJTAK	NED	2007	2:39.76	K.ANDRUS-HUGHES	USA	2008	2:44.84	BARBARA DUNBAR	USA	1999
2:21.09	JEANNE CARLSEN	CAN	2008	2:41.20	LAURA VAL	USA	2003	2:45.03	A.NIESPODZIANA	POL	2008
2:22.21	JACKI HIRSTY	USA	2002	2:41.56	EVIE LYNCH	USA	2005	2:45.51	TRACI GRANGER	USA	2008
2:22.84	MARILYN EARLY	USA	2007	2:43.04	ANNE CORK	GBR	2001	2:45.99	ARDETH MUELLER	USA	1991
2:23.36	SUSAN SKIFF	GER	2005	2:43.99	DEBBIE CAVANAUGH	USA	2008	2:46.13	COLETTE CRABBE	USA	2008
400	M.	FREE		2:46.09	N.STEADMAN-MARTIN	USA	2008	100	M.	I.M.	
4:43.61	JENNY WHITELEY	AUS	2008	50	M.	BRST		1:10.22	JENNY WHITELEY	AUS	2008
4:45.72	LAURA VAL	USA	2003	35.08	JENNY WHITELEY	AUS	2008	1:12.34	JENNY COOK	USA	2008
4:51.51	JEANNE CARLSEN	CAN	2008	36.32	MAGGIE KELLY	GBR	2006	1:12.50	LAURA VAL	USA	2003
4:52.36	JENNY COOK	USA	2008	36.69	CHRISTIANE HEEREN	GER	1999	1:12.82	AHELEE SUE OSBORN	USA	2008
4:54.01	DANIELLE OGIER	USA	2002	37.06	DAGMAR HILBIG	GER	2008	1:13.12	DANIELLE OGIER	USA	2002
4:54.56	AHELEE SUE OSBORN	USA	2008	37.10	PETRA SCHROER	GER	2004	1:14.11	TRACI GRANGER	USA	2008
4:57.01	N.STEADMAN-MARTIN	USA	2008	37.35	L.CRITTENDEN	USA	2006	1:15.13	MELINDA MANN	USA	2006
4:57.68	JACKI HIRSTY	USA	2002	37.43	ALISON NYE	GBR	2008	1:15.24	GAYLE WETTACH	USA	2007
4:59.56	BARBARA DUNBAR	USA	2000	37.86	JENNY COOK	USA	2008	1:15.26	ANGELA ZINGLER	GER	2004
5:00.24	C.TARANTINO	ITA	2006	37.94	SUSAN JONES ROY	USA	2001	1:15.29	L.CRITTENDEN	USA	2006
800	M.	FREE		37.99	DANIELLE OGIER	USA	2002	200	M.	I.M.	
9:50.53	LAURA VAL	USA	2003	100	M.	BRST		2:33.55	JENNY WHITELEY	AUS	2008
9:54.12	JEANNE CARLSEN	CAN	2008	1:18.07	JENNY WHITELEY	AUS	2008	2:35.86	JENNY COOK	USA	2008
10:04.56	JENNY COOK	USA	2008	1:20.72	JENNY COOK	USA	2008	2:37.52	DANIELLE OGIER	USA	2002
10:05.20	C.TARANTINO	ITA	2005	1:22.48	AMANDA HEATH	GBR	2007	2:37.90	LAURA VAL	USA	2002
10:09.25	JENNY WHITELEY	AUS	2008	1:22.53	PETRA SCHROER	GER	2003	2:39.66	AHELEE SUE OSBORN	USA	2008
10:10.18	KATHERINE BRANCH	USA	2007	1:22.53	SUSAN JONES ROY	USA	2001	2:41.42	JEANNE CARLSEN	CAN	2008
10:16.79	N.STEADMAN-MARTIN	USA	2008	1:23.01	KAREN MAREB	USA	2008	2:41.88	BIRGIT HEINIG	GER	2007
10:16.80	BARBARA DUNBAR	USA	2001	1:23.05	DANIELLE OGIER	USA	2002	2:43.19	MELINDA MANN	USA	2006
10:21.03	LAURA VACA	MEX	2003	1:23.06	MELINDA MANN	USA	2006	2:43.52	COLETTE CRABBE	USA	2008
10:23.43	AHELEE SUE OSBORN	USA	2008	1:23.42	ULRIKE URBANIAK	GER	2004	2:43.84	ATIE PIJTAK	NED	2006
1500	M.	FREE		1:24.19	AVILA RHODES	CAN	2008	400	M.	I.M.	
18:59.17	LAURA VAL	USA	2002	200	M.	BRST		5:32.60	JENNY WHITELEY	AUS	2008
				2:51.33	JENNY WHITELEY	AUS	2008	5:36.28	LAURA VAL	USA	2002



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5:41.08	LAURA VAL	USA	2008	12:05.74	MARCIA BARRY	USA	2008	1:33.20	ROTRAUD PALMER	GBR	2001
6:02.53	PAT SARGEANT	USA	2008	12:05.86	HANNELORE ROSE	GER	2005	200 M. BRST			
6:04.58	BARBARA DUNBAR	USA	2004	1500 M. FREE				3:06.48	BONNIE PRONK	CAN	2002
6:09.78	BRIGITTE MERTEN	GER	2002	21:33.34	JACKIE MARR	USA	2003	3:07.44	HANNELORE ROSE	GER	2002
6:10.45	CHARLOTTE DAVIS	USA	2007	21:59.83	YOSHIKO OSAKI	JPN	1998	3:18.15	DIANE FORD	GBR	2005
6:11.73	JEN THOMASSON	AUS	1998	22:16.92	LINDA SHOENBERGER	USA	2007	3:18.20	NOBUKO YASUDA	JPN	2005
6:12.91	ARDETH MUELLER	USA	2000	22:23.62	BARNI WARNHURST	CAN	1988	3:18.25	JOANN LEILICH	USA	2001
6:13.52	SUSAN HAIGH	GBR	2008	22:51.13	MARCIA BARRY	USA	2008	3:20.65	ELAINE BROMWICH	GBR	2003
6:14.01	MIRA GUGLIELMI	ITA	2007	22:54.51	LAVELLE STOINOFF	USA	1994	3:20.83	MASAYO AZUMA	JPN	1998
6:17.37	JULIE CRAYFORD	GBR	2003	22:59.19	BONNIE PRONK	CAN	2003	3:21.22	MONIKA SENFTLEBEN	GER	2002
				23:02.23	JUDY WILSON	GBR	2007	3:22.80	LUISE KNOPFLE	GER	2001
				23:25.57	JOANNE MENARD	USA	2008	3:23.14	DALE BARNHARD	USA	2008
*****				23:28.15	CLARA WALKER	USA	1990	50 M. FLY			
	WOMEN 60-64			50 M. BACK				33.38	JUDY WILSON	GBR	2004
*****				36.16	RACHEL BARTON	GBR	2008	34.47	RUTH SHAPS	USA	2008
50 M. FREE				36.27	LYNETTE STEVENSON	AUS	2006	34.96	RACHEL BARTON	GBR	2008
30.99	LYNETTE STEVENSON	AUS	2008	36.38	SATOKO TAKEUJI	JPN	2002	35.03	MICHIE DOI	JPN	2005
31.23	RACHEL BARTON	GBR	2008	36.42	MARGIT OHLSSON	SWE	2005	36.00	BRIGITTE MERTEN	GER	2006
31.42	RUTH SHAPS	USA	2008	36.92	MARGARET WILDING	GBR	2000	36.00	HARRIET BERGER	GER	2004
31.84	JUDY WILSON	GBR	2004	36.99	SILVANA ABREU	BRA	2003	36.04	YOSHIKO OSAKI	JPN	1999
32.04	KAYE BEER	AUS	2006	37.36	HIROMI SATO	JPN	2004	36.23	LYNETTE STEVENSON	AUS	2008
32.09	CAROLYN BOAK	USA	2006	37.71	PENNY STEELE	AUS	2006	36.27	JOY WARD	USA	2002
32.15	CHRISTEL SCHULZ	GER	2003	38.57	HELEN TRIPPE	GBR	2007	36.31	JAN WICKS	AUS	2006
32.55	YOSHIKO OSAKI	JPN	2002	38.74	BETSY JORDAN	USA	1997	100 M. FLY			
32.75	JEN THOMASSON	AUS	2005	100 M. BACK				1:16.41	JUDY WILSON	GBR	2004
32.92	JACKIE MARR	USA	2003	1:20.02	MARGIT OHLSSON	SWE	2006	1:21.22	BRIGITTE MERTEN	GER	2006
100 M. FREE				1:20.60	RACHEL BARTON	GBR	2008	1:21.87	HARRIET BERGER	GER	2004
1:10.53	JUDY WILSON	GBR	2004	1:21.06	SATOKO TAKEUJI	JPN	2003	1:23.78	YOSHIKO OSAKI	JPN	1999
1:11.03	RUTH SHAPS	USA	2008	1:21.74	MARGARET WILDING	GBR	2002	1:27.62	CHRISTEL SCHULZ	GER	2000
1:11.03	CAROLYN BOAK	USA	2006	1:23.58	HIROMI SATO	JPN	2002	1:28.55	SARAH WELCH	USA	2008
1:11.20	RACHEL BARTON	GBR	2008	1:24.16	BETSY JORDAN	USA	1997	1:28.78	SUSAN TYLER	USA	2008
1:11.41	CHRISTEL SCHULZ	GER	2001	1:24.36	LYNETTE STEVENSON	AUS	2007	1:28.78	BONNIE PRONK	CAN	2003
1:11.56	YOSHIKO OSAKI	JPN	2001	1:24.56	ELIZABETH SMITH	CAN	2008	1:28.81	SUSANA BARKLEY	ESP	2005
1:12.06	JEN THOMASSON	AUS	2004	1:24.58	PENNY STEELE	AUS	2006	1:29.15	HEIKE HOLER	GER	1996
1:12.20	BRIGITTE MERTEN	GER	2006	1:24.63	BONNIE PRONK	CAN	2002	200 M. FLY			
1:12.39	JACKIE MARR	USA	2003	200 M. BACK				3:05.20	YOSHIKO OSAKI	JPN	2000
1:13.23	CAROL FELLOWS	GBR	2006	2:56.06	BONNIE PRONK	CAN	2002	3:07.04	JUDY WILSON	GBR	2004
200 M. FREE				2:57.92	MARGARET WILDING	GBR	2000	3:13.71	ARDETH MUELLER	USA	2004
2:38.32	YOSHIKO OSAKI	JPN	1999	2:58.33	MARGIT OHLSSON	SWE	2007	3:18.64	SARAH WELCH	USA	2008
2:38.37	JUDY WILSON	GBR	2004	3:01.86	JACKIE MARR	USA	2003	3:21.73	JUDIE OLIVER	CAN	1992
2:39.92	LAVELLE STOINOFF	USA	1993	3:02.44	RACHEL BARTON	GBR	2008	3:23.18	RITSUKO KUROSAWA	JPN	2008
2:39.96	JACKIE MARR	USA	2003	3:04.06	JULIE GUNTHER	NZL	2007	3:23.67	GINGER PIERSON	USA	2006
2:41.02	CAROLYN BOAK	USA	2006	3:04.58	RUTH SHAPS	USA	2008	3:24.49	BONNIE PRONK	CAN	2003
2:41.83	CAROL FELLOWS	GBR	2006	3:05.27	BETSY JORDAN	USA	1997	3:25.79	LINDA MACPHERSON	CAN	1998
2:42.41	ARDETH MUELLER	USA	2005	3:05.82	CHRISTEL SCHULZ	GER	2004	3:26.26	JACKIE MARR	USA	2004
2:43.87	JEN THOMASSON	AUS	2006	3:06.71	CLARY MUNNS	AUS	2008	100 M. I.M.			
2:44.11	SUZANNE DILLS	USA	2005	50 M. BRST				1:19.09	BRIGITTE MERTEN	GER	2006
2:45.21	LINDA SHOENBERGER	USA	2008	38.60	MONIKA SENFTLEBEN	GER	2002	1:21.05	BONNIE PRONK	CAN	2002
400 M. FREE				38.97	BONNIE PRONK	CAN	2002	1:21.20	HARRIET BERGER	GER	2004
5:27.75	JACKIE MARR	USA	2003	39.77	JAN WICKS	AUS	2006	1:21.51	MARIE FUHRMANN	FRA	2007
5:30.24	YOSHIKO OSAKI	JPN	2000	40.24	DALE BARNHARD	USA	2008	1:22.11	RUTH SHAPS	USA	2008
5:38.06	LAVELLE STOINOFF	USA	1993	40.76	YVONNE CATRALL	CAN	2008	1:22.57	YOSHIKO OSAKI	JPN	2000
5:38.72	ARDETH MUELLER	USA	2004	40.98	HANNELORE ROSE	GER	2002	1:22.69	MARGIT OHLSSON	SWE	2007
5:45.96	JEN THOMASSON	AUS	2007	41.27	GINGER PIERSON	USA	2006	1:22.92	LYNETTE STEVENSON	AUS	2006
5:46.39	CAROL FELLOWS	GBR	2006	41.35	JOANN LEILICH	USA	2000	1:23.00	CHRISTEL SCHULZ	GER	2002
5:46.84	LINDA SHOENBERGER	USA	2007	41.35	ELAINE BROMWICH	GBR	2004	1:23.21	RACHEL BARTON	GBR	2008
5:50.14	JUDY WILSON	GBR	2004	41.74	JAYNE BRUNER	USA	1996	200 M. I.M.			
5:51.07	CHRISTEL SCHULZ	GER	2004	100 M. BRST				2:54.07	CAROLE BATES	GBR	1998
5:52.58	SUSANA BARKLEY	ESP	2005	1:26.43	HANNELORE ROSE	GER	2002	2:55.72	BONNIE PRONK	CAN	2002
800 M. FREE				1:26.56	BONNIE PRONK	CAN	2002	2:57.46	HARRIET BERGER	GER	2004
11:18.60	YOSHIKO OSAKI	JPN	2000	1:29.68	MONIKA SENFTLEBEN	GER	2002	2:58.96	BRIGITTE MERTEN	GER	2008
11:24.28	ARDETH MUELLER	USA	2004	1:30.41	NOBUKO YASUDA	JPN	2006	2:59.95	YOSHIKO OSAKI	JPN	1998
11:30.55	LAVELLE STOINOFF	USA	1993	1:30.58	JOANN LEILICH	USA	2000	3:03.22	JACKIE MARR	USA	2003
11:34.09	JACKIE MARR	USA	2004	1:30.76	DIANE FORD	GBR	2007	3:03.36	MARGIT OHLSSON	SWE	2006
11:40.57	LINDA SHOENBERGER	USA	2008	1:31.01	GINGER PIERSON	USA	2006	3:04.75	SILVANA ABREU	BRA	2002
11:48.52	JEN THOMASSON	AUS	2005	1:31.46	DALE BARNHARD	USA	2008	3:04.83	CHRISTEL SCHULZ	GER	2001
11:53.88	SUZANNE DILLS	USA	2005	1:32.20	ELAINE BROMWICH	GBR	2002	3:07.92	NOBUKO YASUDA	JPN	2005
12:01.84	BONNIE PRONK	CAN	2003								



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2008)

400 M. I.M.			12:35.26 CLARA WALKER	USA 1992	1:36.52 ELIANE PELLIS	BEL 1998
6:25.24 BONNIE PRONK	CAN 2002		12:36.40 HELGA REICH	GER 2002	1:36.57 YOSHIKO OSAKI	JPN 2003
6:27.20 JACKIE MARR	USA 2003		12:44.08 PENNY WEBSTER	GBR 2008	200 M. BRST	
6:27.23 HANNELORE ROSE	GER 2002		1500 M. FREE		3:17.44 JOANN LEILICH	USA 2004
6:28.22 YOSHIKO OSAKI	JPN 1999		21:43.60 JEN THOMASSON	AUS 2008	3:20.83 LUISE KNOPFLE	GER 2004
6:41.60 JEN THOMASSON	AUS 2007		22:09.43 JACKIE MARR	USA 2008	3:21.25 DIANE FORD	GBR 2008
6:48.57 JUDIE OLIVER	CAN 1993		22:35.98 YOSHIKO OSAKI	JPN 2004	3:23.72 BONNIE PRONK	CAN 2007
6:50.30 RITSUKO KUROSAWA	JPN 2008		23:38.44 CLARA WALKER	USA 1992	3:24.31 MASAYO AZUMA	JPN 2000
6:50.30 SUZANNE DILLS	USA 2005		23:44.34 JANE ASHER	GBR 1996	3:26.40 FLORA CONNOLLY	GBR 2000
6:51.79 SARAH WELCH	USA 2008		23:54.51 BONNIE PRONK	CAN 2007	3:26.55 YOSHIKO OSAKI	JPN 2004
6:52.67 JULIE CRAYFORD	GBR 2008		24:11.37 SILVANA ABREU	BRA 2006	3:29.02 LOTTE MULLER	GER 1999
			24:12.34 HELGA REICH	GER 2002	3:29.93 ELIANE PELLIS	BEL 1998
*****			24:15.27 PENNY WEBSTER	GBR 2008	3:31.44 TAYO FUJIEDA	JPN 2002
*****			24:25.62 E.KETELSEN	DEN 2008	50 M. FLY	
*****			50 M. BACK		36.36 CHRISTEL SCHULZ	GER 2005
*****			37.47 SILVANA ABREU	BRA 2006	36.79 YOSHIKO OSAKI	JPN 2003
*****			37.63 SATOKO TAKEUJI	JPN 2007	37.07 MICHIE DOI	JPN 2008
*****			38.25 PAM HUTCHINGS	AUS 2001	38.06 JOY WARD	USA 2007
*****			39.11 BONNIE PRONK	CAN 2007	38.09 HISAKO SATO	JPN 2000
*****			39.65 HIROMI SATO	JPN 2007	38.44 GAIL ROPER	USA 1995
*****			40.11 BETSY JORDAN	USA 2003	38.46 HAIKE HOLER	GER 2004
*****			40.43 E.KETELSEN	DEN 2008	38.72 HARUMI SUGIMOTO	JPN 2003
*****			40.48 DORIS STEADMAN	USA 1989	38.78 SARAH KOPSKY	USA 2006
*****			41.05 CHRISTEL SCHULZ	GER 2005	38.91 SILVANA ABREU	BRA 2006
*****			41.72 V.JOHANSSON	SWE 2001	100 M. FLY	
*****			100 M. BACK		1:25.28 YOSHIKO OSAKI	JPN 2003
*****			1:25.00 BONNIE PRONK	CAN 2007	1:29.13 CHRISTEL SCHULZ	GER 2006
*****			1:25.53 PAM HUTCHINGS	AUS 2001	1:31.92 HELGA REICH	GER 2001
*****			1:25.61 SILVANA ABREU	BRA 2006	1:33.07 CHRISTINE PERFECT	GBR 2004
*****			1:26.66 E.KETELSEN	DEN 2008	1:33.10 GAIL ROPER	USA 1995
*****			1:26.96 BETSY JORDAN	USA 2002	1:33.27 JUDIE OLIVER	CAN 1997
*****			1:28.80 CHRISTEL SCHULZ	GER 2006	1:34.57 MICHIE DOI	JPN 2008
*****			1:28.82 V.JOHANSSON	SWE 2001	1:34.83 HAIKE HOLER	GER 2002
*****			1:30.41 DORIS STEADMAN	USA 1989	1:34.93 HISAKO SATO	JPN 2001
*****			1:31.22 JOY WARD	USA 2007	1:35.28 LYNN LUND	USA 2005
*****			1:31.33 GRETHE BENDTSEN	DEN 1995	200 M. FLY	
*****			200 M. BACK		3:17.36 YOSHIKO OSAKI	JPN 2003
*****			3:01.88 BONNIE PRONK	CAN 2007	3:28.93 HELGA REICH	GER 2002
*****			3:08.42 CHRISTEL SCHULZ	GER 2006	3:29.98 SILVANA ABREU	BRA 2006
*****			3:08.61 PAM HUTCHINGS	AUS 2001	3:31.98 FLORA CONNOLLY	GBR 1999
*****			3:11.23 JACKIE MARR	USA 2008	3:32.93 JUNE KRAUSER	USA 1995
*****			3:11.32 E.KETELSEN	DEN 2008	3:33.38 JUDIE OLIVER	CAN 1997
*****			3:12.09 SILVANA ABREU	BRA 2006	3:34.14 JACKIE MARR	USA 2008
*****			3:14.13 JOY WARD	USA 2008	3:35.80 GAIL ROPER	USA 1995
*****			3:15.36 BETSY JORDAN	USA 2002	3:38.27 BONNIE PRONK	CAN 2007
*****			3:15.72 DORIS STEADMAN	USA 1989	3:42.91 JOY WARD	USA 2007
*****			3:16.88 KAZUKO ITO	JPN 2008	100 M. I.M.	
*****			50 M. BRST		1:24.95 YOSHIKO OSAKI	JPN 2005
*****			41.53 MONIKA SENFTLEBEN	GER 2008	1:25.00 CHRISTEL SCHULZ	GER 2005
*****			41.55 BONNIE PRONK	CAN 2007	1:27.69 BONNIE PRONK	CAN 2007
*****			42.35 JOANN LEILICH	USA 2005	1:28.09 JACKIE MARR	USA 2008
*****			42.47 DIANE FORD	GBR 2008	1:28.61 SHOKO YONEZAWA	JPN 2001
*****			43.07 SHOKO YONEZAWA	JPN 2002	1:28.95 GAIL ROPER	USA 1996
*****			43.27 ELIANE PELLIS	BEL 1998	1:29.34 SILVANA ABREU	BRA 2006
*****			43.83 ROTRAUD PALMER	GBR 2006	1:30.14 JEAN HOWARD-JONES	GBR 2008
*****			43.87 A.LEENE-RODAHL	NZL 1999	1:30.38 KEIKO YAMADA	JPN 2003
*****			44.13 YOSHIKO OSAKI	JPN 2003	1:30.70 JANE ASHER	GBR 1996
*****			44.55 JAYNE BRUNER	USA 2000	200 M. I.M.	
*****			100 M. BRST		3:06.37 YOSHIKO OSAKI	JPN 2004
*****			1:31.87 BONNIE PRONK	CAN 2007	3:06.64 CHRISTEL SCHULZ	GER 2008
*****			1:32.05 DIANE FORD	GBR 2008	3:10.11 HANNELORE ROSE	GER 2007
*****			1:32.37 JOANN LEILICH	USA 2004	3:10.12 BONNIE PRONK	CAN 2007
*****			1:33.03 HANNELORE ROSE	GER 2007	3:13.20 JACKIE MARR	USA 2008
*****			1:33.89 LUISE KNOPFLE	GER 2004	3:15.59 FLORA CONNOLLY	GBR 2000
*****			1:34.50 MASAYO AZUMA	JPN 2000	3:18.77 CLARA WALKER	USA 1991
*****			1:36.24 SHOKO YONEZAWA	JPN 2001	3:19.06 GAIL ROPER	USA 1996
*****			1:36.45 FLORA CONNOLLY	GBR 1998	3:19.87 JANE ASHER	GBR 1996



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3:20.86	SILVANA ABREU	BRA	2006	13:30.87	NANCY BROWN	USA	2006	1:42.62	EDITH BOEHM	GER	1999
400 M. I.M.				13:33.96	LINDA MACPHERSON	CAN	2008	1:43.67	YUKO SAKAGAMI	JPN	2007
6:34.95	YOSHIKO OSAKI	JPN	2003	13:35.09	DIANE STOWELL	USA	2005	1:43.86	MURIEL HITCHCOCK	GBR	2008
6:45.94	JACKIE MARR	USA	2008	13:39.97	TAYO FUJIEDA	JPN	2007	1:43.92	GABRIELLA TUCCI	ITA	2008
6:49.48	BONNIE PRONK	CAN	2007	13:45.16	RONNIE KAMPHAUSEN	USA	2008	200 M. BRST			
6:51.93	HANNELORE ROSE	GER	2008	1500 M. FREE				3:28.98	MASAYO AZUMA	JPN	2005
6:57.58	FLORA CONNOLLY	GBR	2000	23:54.74	JANE ASHER	GBR	2004	3:30.16	SHOKO YONEZAWA	JPN	2005
7:01.55	JUDIE OLIVER	CAN	1999	24:56.47	BARBARA FENTIMAN	GBR	2004	3:40.16	TAYO FUJIEDA	JPN	2007
7:07.28	SILVANA ABREU	BRA	2006	24:57.85	JUNE KRAUSER	USA	1996	3:43.02	DIANE STOWELL	USA	2005
7:07.69	GAIL ROPER	USA	1996	25:14.99	HELGA REICH	GER	2006	3:44.03	JUDIE OLIVER	CAN	2002
7:12.40	HELGA REICH	GER	2003	25:40.21	GAIL ROPER	USA	1999	3:44.57	ELIANE PELLIS	BEL	2004
7:13.26	JUNE KRAUSER	USA	1995	26:01.22	REIKO ISHIZAKI	JPN	2008	3:45.66	ANN HIRSCH	USA	2001
*****				26:05.82	NANCY BROWN	USA	2006	3:48.92	ERIKA LANGE	GER	1998
				26:18.70	PETEY SMITH	USA	1994	3:49.85	GAIL ROPER	USA	1999
				26:20.80	MISAO MATSUMOTO	JPN	2008	3:49.98	JANE ASHER	GBR	2001
				26:39.81	LENIE VD MEER	NED	2007	50 M. FLY			
				50 M. FREE				38.95	YOSHIKO OSAKI	JPN	2008
				33.52	YOSHIKO OSAKI	JPN	2008	39.36	HARUMI SUGIMOTO	JPN	2008
				33.86	JANE ASHER	GBR	2004	39.44	JANE ASHER	GBR	2004
				35.14	GERD DURRE	GER	2006	40.56	HISAKO SATO	JPN	2006
				35.28	PAM HUTCHINGS	AUS	2008	40.58	HAIKE HOLER	GER	2006
				35.37	GAIL ROPER	USA	1999	40.66	GAIL ROPER	USA	1999
				35.60	FUSAKO HIROOKA	JPN	2007	40.98	HISAKO KITAYAMA	JPN	2007
				36.13	OLGA KREJCI	SUI	2007	41.16	HELGA REICH	GER	2006
				36.34	HISAKO SATO	JPN	2006	42.47	JUDIE OLIVER	CAN	2002
				36.75	GYNT CLIFFORD	USA	2008	43.02	GABRIELLA TUCCI	ITA	2008
				36.87	LOTTIE GEURTS	NED	2007	100 M. FLY			
				36.87	SHOKO YONEZAWA	JPN	2005	1:31.04	YOSHIKO OSAKI	JPN	2008
				100 M. FREE				1:34.70	JANE ASHER	GBR	2001
				1:13.70	YOSHIKO OSAKI	JPN	2008	1:34.86	HELGA REICH	GER	2006
				1:16.45	JANE ASHER	GBR	2004	1:37.56	GAIL ROPER	USA	1999
				1:18.67	GAIL ROPER	USA	1999	1:38.39	HAIKE HOLER	GER	2006
				1:20.29	PAM HUTCHINGS	AUS	2008	1:39.02	JUDIE OLIVER	CAN	2002
				1:21.57	HELGA REICH	GER	2007	1:40.05	HISAKO SATO	JPN	2006
				1:22.10	V. JOHANSSON	SWE	2007	1:40.20	JUNE KRAUSER	USA	1996
				1:22.99	LOTTIE GEURTS	NED	2006	1:47.18	SYLVIA NEUHAUSER	AUT	2000
				1:23.35	SHOKO YONEZAWA	JPN	2006	1:48.55	ANN HIRSCH	USA	2001
				1:23.56	NANCY BROWN	USA	2006	200 M. FLY			
				1:23.98	HISAKO SATO	JPN	2006	3:37.23	HELGA REICH	GER	2006
				200 M. FREE				3:38.39	JUNE KRAUSER	USA	1996
				2:44.70	YOSHIKO OSAKI	JPN	2008	3:44.96	JANE ASHER	GBR	2001
				2:49.28	JANE ASHER	GBR	2003	3:45.64	GAIL ROPER	USA	1999
				2:55.57	HELGA REICH	GER	2007	3:55.59	JUDIE OLIVER	CAN	2004
				2:58.06	GAIL ROPER	USA	2000	3:58.01	BETTY RUSS	USA	1997
				3:00.93	NANCY BROWN	USA	2006	4:03.04	SYLVIA EISELE	CAN	2000
				3:01.93	PAM HUTCHINGS	AUS	2008	4:03.47	HISAKO SATO	JPN	2006
				3:01.98	MAREN PISKORA	GER	2007	4:03.71	ENEDINA PEREIRA	BRA	2008
				3:04.22	LINDA MACPHERSON	CAN	2008	4:05.29	LOIS NOCHMAN	USA	1998
				3:04.77	JEAN TROY	USA	1998	100 M. I.M.			
				3:06.05	HISAKO SATO	JPN	2006	1:27.28	YOSHIKO OSAKI	JPN	2008
				400 M. FREE				1:27.80	SHOKO YONEZAWA	JPN	2005
				5:50.41	YOSHIKO OSAKI	JPN	2008	1:32.23	GAIL ROPER	USA	2000
				6:00.34	JANE ASHER	GBR	2003	1:33.49	JANE ASHER	GBR	2003
				6:19.80	HELGA REICH	GER	2006	1:34.10	JUDIE OLIVER	CAN	2002
				6:24.11	BARBARA FENTIMAN	GBR	2004	1:35.21	HELGA REICH	GER	2006
				6:27.21	GAIL ROPER	USA	1999	1:36.29	V. ANN JOHANSSON	SWE	2006
				6:28.81	JUNE KRAUSER	USA	1996	1:37.81	NANCY MACBETH	USA	1999
				6:29.70	HISAKO SATO	JPN	2006	1:38.10	TAYO FUJIEDA	JPN	2008
				6:30.94	NANCY BROWN	USA	2006	1:38.32	BETSY JORDAN	USA	2007
				6:31.30	LINDA MACPHERSON	CAN	2008	200 M. I.M.			
				6:32.39	RONNIE KAMPHAUSEN	USA	2004	3:13.62	YOSHIKO OSAKI	JPN	2008
				800 M. FREE				3:21.52	JUDIE OLIVER	CAN	2002
				12:30.00	JANE ASHER	GBR	2004	3:24.64	JANE ASHER	GBR	2001
				13:00.04	BARBARA FENTIMAN	GBR	2004	3:25.28	HELGA REICH	GER	2006
				13:03.64	HELGA REICH	GER	2006	3:26.44	SHOKO YONEZAWA	JPN	2006
				13:07.28	JUNE KRAUSER	USA	1996	3:30.92	GAIL ROPER	USA	1999
				13:23.18	HISAKO SATO	JPN	2006	1:42.61	ELIANE PELLIS	BEL	2006



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3:32.12	V. JOHANSSON	SWE 2005	14:21.26	MICHIKO OKUMURA	JPN 2006	1:49.85	JANE ASHER	GBR 2006
3:32.90	BETSY JORDAN	USA 2007	14:29.27	LIZ WALLIS	AUS 2002	1:50.24	ANN HIRSCH	USA 2008
3:33.45	NANCY BROWN	USA 2006	14:30.66	BRITT GRILLI	SWE 2003	1:51.99	EDITH BOHM	GER 2003
400 M. I.M.			14:40.11	JUNE KRAUSER	USA 2001	1:52.35	GAIL ROPER	USA 2004
6:56.79	YOSHIKO OSAKI	JPN 2008	14:46.26	MARGERY MEYER	USA 1998	1:55.77	JUDIE OLIVER	CAN 2008
7:09.96	JANE ASHER	GBR 2001	14:58.84	DOROTHY DICKEY	AUS 2007	1:56.46	JEAN JOHNSON	AUS 2007
7:19.12	JUDIE OLIVER	CAN 2002	15:00.87	JUDIE OLIVER	CAN 2008	200 M. BRST		
7:24.32	JUNE KRAUSER	USA 1996	1500 M. FREE			3:47.58	ELIANE PELLIS	BEL 2008
7:34.98	URSULA FROHLICH	GER 2005	24:04.75	JANE ASHER	GBR 2006	3:49.39	AGNES OBBERGHEN	BEL 2008
7:36.99	GAIL ROPER	USA 1999	26:37.02	GAIL ROPER	USA 2005	3:54.55	SYLVIA NEUHAUSER	AUT 2004
7:47.33	BETSY JORDAN	USA 2007	27:14.94	MICHIKO OKUMURA	JPN 2006	3:56.11	JANE ASHER	GBR 2006
7:47.34	NANCY BROWN	USA 2006	27:33.16	LIZ WALLIS	AUS 2002	3:56.51	ANN HIRSCH	USA 2008
7:48.97	NANCY MACBETH	USA 1999	27:39.46	JUNE KRAUSER	USA 2001	4:00.34	JUDIE OLIVER	CAN 2008
7:52.30	SYLVIA NEUHAUSER	AUT 2000	27:47.25	MARGERY MEYER	USA 1998	4:03.79	GAIL ROPER	USA 2004
*****			28:18.44	YOSHIKO KINOSHITA	JPN 2006	4:10.22	SYLVIA EISELE	CAN 2004
*****			28:40.95	BETTY LORENZI	USA 2002	4:14.09	CAROL TAYLOR	USA 2004
*****			28:49.58	DOROTHY DICKEY	AUS 2008	4:14.86	ERIKA LANGE	GER 2003
*****			29:13.50	BETTY RUSS	USA 2003	50 M. FLY		
*****			50 M. FREE			40.71	JANE ASHER	GBR 2006
*****			50 M. BACK			44.18	GAIL ROPER	USA 2004
35.88	JANE ASHER	GBR 2006	43.19	MARLENE MENDES	BRA 2008	44.53	JUDIE OLIVER	CAN 2007
37.24	GAIL ROPER	USA 2004	43.50	JANE ASHER	GBR 2006	47.88	LOIS NOCHMAN	USA 1999
38.85	M. CUNNINGHAM	AUS 2002	44.76	DORIS STEADMAN	USA 1999	48.69	MICHIKO OKUMURA	JPN 2007
38.89	JEAN TROY	USA 2002	45.28	JOAN PARNELL	CAN 2004	48.70	JEAN TROY	USA 2002
39.06	KERSTIN GJORES	SWE 2002	46.03	GRETHE BENDTSEN	DEN 2006	49.26	SYLVIA NEUHAUSER	AUT 2004
39.70	ELIANE PELLIS	BEL 2008	46.26	KERSTIN GJORES	SWE 2002	49.38	M. CUNNINGHAM	AUS 2000
39.73	OLGA JOHNSON	NZL 1996	46.75	WILLY VAN RYSEL	GBR 1991	49.61	EDITH BOHM	GER 2003
39.84	BETTY RUSS	USA 2004	47.69	DORIS MCEWAN	CAN 1999	49.95	JUNE KRAUSER	USA 2001
39.92	BRITT GRILLI	SWE 2003	48.19	BETTY LORENZI	USA 2003	100 M. FLY		
39.96	MITSUKO KOMURO	JPN 2008	48.22	KIMIKO OOKA	JPN 2005	1:44.35	JUDIE OLIVER	CAN 2007
39.96	FLORENCE CARR	USA 2001	100 M. BACK			1:45.10	JANE ASHER	GBR 2006
100 M. FREE			1:37.87	JANE ASHER	GBR 2006	1:49.36	GAIL ROPER	USA 2005
1:18.59	JANE ASHER	GBR 2006	1:39.76	DORIS STEADMAN	USA 2000	1:50.11	SYLVIA NEUHAUSER	AUT 2005
1:24.31	GAIL ROPER	USA 2005	1:41.65	GRETHE BENDTSEN	DEN 2006	1:52.25	JUNE KRAUSER	USA 2001
1:26.20	JEAN TROY	USA 2002	1:41.86	MARLENE MENDES	BRA 2008	1:56.42	LOIS NOCHMAN	USA 1999
1:28.49	M. CUNNINGHAM	AUS 2000	1:43.73	JOAN PARNELL	CAN 2003	1:58.42	JEAN TROY	USA 2002
1:30.54	FLORENCE CARR	USA 2001	1:44.17	BETTY LORENZI	USA 2003	2:00.46	ANN HIRSCH	USA 2006
1:30.85	MITSUKO KOMURO	JPN 2005	1:45.14	JUDIE OLIVER	CAN 2008	2:01.80	CHIE TANI	JPN 2002
1:30.99	ELIANE PELLIS	BEL 2008	1:45.15	KERSTIN GJORES	SWE 2002	2:02.44	SYLVIA EISELE	CAN 2004
1:31.14	BRITT GRILLI	SWE 2003	1:46.88	KIMIKO OOKA	JPN 2004	200 M. FLY		
1:32.49	JOAN PARNELL	CAN 2004	1:47.77	BARBARA JACKSON	USA 2004	4:00.46	JUDIE OLIVER	CAN 2007
1:32.62	MICHIKO OKUMURA	JPN 2007	200 M. BACK			4:06.06	JANE ASHER	GBR 2006
200 M. FREE			3:32.59	JANE ASHER	GBR 2006	4:08.39	LOIS KIVI NOCHMAN	USA 1999
2:57.19	JANE ASHER	GBR 2006	3:38.25	DORIS STEADMAN	USA 1999	4:09.28	GAIL ROPER	USA 2004
3:07.58	GAIL ROPER	USA 2005	3:40.06	BETTY LORENZI	USA 2003	4:12.50	JUNE KRAUSER	USA 2001
3:11.99	JEAN TROY	USA 2002	3:44.40	MARLENE MENDES	BRA 2008	4:33.31	BETTY RUSS	USA 2004
3:15.76	JUDIE OLIVER	CAN 2007	3:46.88	JOAN PARNELL	CAN 2003	4:33.81	SYLVIA EISELE	CAN 2004
3:21.48	M. CUNNINGHAM	AUS 2001	3:48.62	KIMIKO OOKA	JPN 2004	4:39.22	ANN HIRSCH	USA 2006
3:22.38	MICHIKO OKUMURA	JPN 2007	3:49.54	JUDIE OLIVER	CAN 2008	4:48.50	MAXINE MERLINO	USA 1988
3:23.10	JUNE KRAUSER	USA 2001	3:51.10	JUNE KRAUSER	USA 2001	4:58.40	JEAN DURSTON	USA 1989
3:23.37	MITSUKO KOMURO	JPN 2006	3:51.89	NANCY KINNEY	USA 2004	100 M. I.M.		
3:23.69	LIZ WALLIS	AUS 2002	3:56.02	SYLVIA NEUHAUSER	AUT 2005	1:32.92	JANE ASHER	GBR 2006
3:23.93	MARLENE MENDES	BRA 2008	50 M. BRST			1:38.11	GAIL ROPER	USA 2004
400 M. FREE			46.86	ELIANE PELLIS	BEL 2008	1:38.73	JUDIE OLIVER	CAN 2007
6:09.40	JANE ASHER	GBR 2006	46.94	AGNES OBBERGHEN	BEL 2008	1:45.44	SYLVIA NEUHAUSER	AUT 2004
6:44.09	JEAN TROY	USA 2002	47.15	EDITH BOHM	GER 2003	1:46.18	M. CUNNINGHAM	AUS 2000
6:54.68	GAIL ROPER	USA 2004	49.57	SATOKO SUZUKI	JPN 1998	1:46.45	MICHIKO OKUMURA	JPN 2006
6:57.33	LIZ WALLIS	AUS 2002	50.34	SYLVIA EISELE	CAN 2006	1:46.51	JUNE KRAUSER	USA 2001
7:00.56	JUNE KRAUSER	USA 2001	50.37	TSUNEKO MITA	JPN 1998	1:46.72	JEAN TROY	USA 2002
7:01.36	MARGERY MEYER	USA 1998	50.38	MARIA CARVALHO	BRA 2004	1:47.56	DORIS MCEWAN	CAN 1999
7:06.73	MICHIKO OKUMURA	JPN 2007	50.57	SILVIA NEUHAUSER	AUT 2004	1:47.88	ELIANE PELLIS	BEL 2008
7:06.75	BRITT GRILLI	SWE 2003	50.80	JANE ASHER	GBR 2006	200 M. I.M.		
7:13.87	M. CUNNINGHAM	AUS 2001	50.91	GAIL ROPER	USA 2005	3:31.20	JANE ASHER	GBR 2006
7:14.78	JUDIE OLIVER	CAN 2008	100 M. BRST			3:35.06	JUDIE OLIVER	CAN 2007
800 M. FREE			1:43.34	ELIANE PELLIS	BEL 2008	3:37.24	GAIL ROPER	USA 2005
12:42.75	JANE ASHER	GBR 2006	1:44.01	AGNES OBBERGHEN	BEL 2008	3:43.58	JUNE KRAUSER	USA 2001
13:59.01	JEAN TROY	USA 2002	1:47.80	SYLVIA NEUHAUSER	AUT 2004	3:49.91	JEAN TROY	USA 2002
14:12.12	GAIL ROPER	USA 2005	1:48.28	SATOKO SUZUKI	JPN 1998			



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3:53.51	MICHIKO OKUMURA	JPN	2006	15:49.21	RITA SIMONTON	USA	1998	2:07.67	EIKO MORI	JPN	2007
3:57.06	ANN HIRSCH	USA	2008	16:04.77	VIRGINIA KETELEER	BEL	2006	2:08.23	GERTRUD MEERWALD	GER	2000
4:01.38	GRETHE BENDTSEN	DEN	2006	16:18.58	MARJORIE SHARPE	USA	1997	2:08.81	ERIKA LANGE	GER	2008
4:01.80	MITSUKO KOMURO	JPN	2007	16:51.32	CANDIDA GANDOLPHO	BRA	2001	2:09.10	TERUKO ONO	JPN	2008
4:03.47	M. CUNNINGHAM	AUS	2000	17:00.71	LOIS KIVI NOCHMAN	USA	2005	2:09.75	DOROTHY WILLIAMS	GBR	2003
	400 M. I.M.			17:07.13	LIZ WALLIS	AUS	2007	2:10.31	KIMIE KANAI	JPN	2004
7:34.39	JANE ASHER	GBR	2006	17:13.96	ELSA DE LEEUW	CAN	2005	2:10.94	MICHELE GUILLAIS	FRA	2003
7:39.96	JUDIE OLIVER	CAN	2007	17:22.52	BETTY RUSS	USA	2007	200 M. BRST			
7:52.71	JUNE KRAUSER	USA	2001	1500 M. FREE				4:29.24	EIKO MORI	JPN	2007
8:05.23	GAIL ROPER	USA	2006	28:55.09	JEAN TROY	USA	2007	4:38.57	DOROTHY WILLIAMS	GBR	2003
8:27.31	ANN HIRSCH	USA	2008	29:39.08	MARGERY MEYER	USA	2002	4:47.03	JOAN KIDD	GBR	2007
8:30.82	LOIS NOCHMAN	USA	1999	29:48.75	RITA SIMONTON	USA	1998	4:49.62	RITA SIMONTON	USA	1998
8:30.87	JEAN TROY	USA	2002	30:32.06	VIRGINIA KETELEER	BEL	2005	4:51.88	ERIKA LANGE	GER	2008
8:38.09	SYLVIA EISELE	CAN	2004	30:59.09	MARJORIE SHARPE	USA	1997	4:53.38	MICHIKO HAMURO	JPN	1999
8:38.74	KIMIKO OOKA	JPN	2004	31:45.05	LOIS KIVI NOCHMAN	USA	2004	4:53.77	BARBARA VICKERS	AUS	2006
8:48.88	BETTY RUSS	USA	2003	32:47.75	ELSA DE LEEUW	CAN	2007	4:54.39	DOROTHY WESTON	GBR	1993
*****				32:59.62	BETTY RUSS	USA	2007	4:57.60	JEAN TROY	USA	2007
	WOMEN 80-84			33:55.61	FUMI MURATA	JPN	2004	4:59.96	MICHELE GILLAIS	FRA	2002
*****				34:06.51	JEAN DURSTON	USA	1995	50 M. FLY			
	*****			50 M. BACK				55.65	LOIS KIVI NOCHMAN	USA	2004
50 M. FREE				48.82	KERSTIN GJORES	SWE	2007	56.51	CHIE TANI	JPN	2006
41.34	MARGERY MEYER	USA	2002	49.02	JOAN PARNELL	CAN	2008	58.20	JEAN TROY	USA	2008
41.40	CHIE TANI	JPN	2007	50.03	MARGERY MEYER	USA	2002	1:01.05	Y.KAPLAN-BADER	FRA	2008
41.45	JEAN TROY	USA	2007	51.19	ANNELIESE POKER	GER	2001	1:01.24	GERTRUD MEERWALD	GER	2000
41.78	M. CUNNINGHAM	AUS	2005	51.55	BETTY LORENZI	USA	2007	1:02.58	MARIA LENK	BRA	1995
41.98	OLGA JOHNSON	NZL	2001	51.95	CLARA WALKER	USA	2008	1:02.68	UMEKO KUWAHARA	JPN	2005
42.01	FLORENCE CARR	USA	2005	52.13	BETTY STERN	AUS	2001	1:03.16	HARUE INOUE	JPN	2007
42.37	MIEKO KAMOSHITA	JPN	2007	52.24	DORIS STEADMAN	USA	2004	1:03.25	BONNIE SMITH	AUS	2000
43.08	KERSTIN GJORES	SWE	2007	53.00	M. WRIGHT	AUS	1989	1:03.26	JEAN DURSTON	USA	1994
43.48	TOKUYO KAMIGAKI	JPN	2007	53.50	RUZENA VYMAZALOVA	CZE	2006	100 M. FLY			
43.59	BRITT GRILLI	SWE	2008	100 M. BACK				2:02.63	LOIS KIVI NOCHMAN	USA	2004
100 M. FREE				1:49.83	JOAN PARNELL	CAN	2008	2:14.51	CHIE TANI	JPN	2007
1:33.88	JEAN TROY	USA	2007	1:50.61	BETTY LORENZI	USA	2007	2:16.00	Y.KAPLAN-BADER	FRA	2008
1:34.45	MARGERY MEYER	USA	2002	1:52.72	KERSTIN GJORES	SWE	2007	2:19.85	JEAN TROY	USA	2008
1:34.59	M. CUNNINGHAM	AUS	2005	1:55.79	MARGERY MEYER	USA	2002	2:21.71	LOIS NOCHMAN	USA	2008
1:36.42	BRITT GRILLI	SWE	2008	1:57.07	DORIS STEADMAN	USA	2004	2:22.05	GERTRUD MEERWALD	GER	2000
1:38.96	MIEKO KAMOSHITA	JPN	2008	1:57.77	BUNNY CEDERLUND	USA	2004	2:22.88	BETTY RUSS	USA	2008
1:39.76	ELSA DE LEEUW	CAN	2004	1:58.72	MIDORI KINJO	JPN	2004	2:28.34	JEAN DURSTON	USA	1994
1:41.36	OLGA JOHNSON	NZL	2001	2:00.10	RUZENA VYMAZALOVA	CZE	2006	2:30.84	MAXINE MERLINO	USA	1992
1:42.04	JOAN PARNELL	CAN	2008	2:02.47	SILVIA CRAVERI	ITA	2003	2:32.15	MARIA LENK	BRA	1995
1:42.38	RITA SIMONTON	USA	1998	2:02.50	BETTY STERN	AUS	2001	200 M. FLY			
1:42.57	CHIE TANI	JPN	2007	200 M. BACK				4:31.97	LOIS KIVI NOCHMAN	USA	2005
200 M. FREE				4:07.13	BETTY LORENZI	USA	2007	4:54.54	BETTY RUSS	USA	2008
3:26.52	JEAN TROY	USA	2007	4:08.87	JOAN PARNELL	CAN	2008	5:22.65	MAXINE O MERLINO	USA	1992
3:27.57	MARGERY MEYER	USA	2002	4:09.07	DORIS STEADMAN	USA	2004	5:24.06	JAE HOWELL	USA	2002
3:37.21	RITA SIMONTON	USA	1998	4:14.53	MARGERY MEYER	USA	2003	5:27.00	JEAN DURSTON	USA	1997
3:43.95	M. CUNNINGHAM	AUS	2005	4:21.27	SILVIA CRAVERI	ITA	2003	5:39.29	DOROTHY WESTON	GBR	1996
3:44.72	ELSA DE LEEUW	CAN	2004	4:23.30	BUNNY CEDERLUND	USA	2003	6:04.35	JUNE REYNOLDS	USA	2003
3:49.19	MARJORIE SHARPE	USA	1997	4:24.78	BETTY STERN	AUS	2002	6:07.74	EDIE GRUENDER	USA	2008
3:49.25	OLGA JOHNSON	NZL	2001	4:25.09	KAZUKO TAGUCHI	JPN	2006	6:10.87	GLADYS OLSEN	USA	2006
3:51.63	NORIKO NISHIKAWA	JPN	2008	4:26.52	REGAN KENNER	USA	2004	6:20.56	ELSA MATTILA	USA	1991
3:52.96	CANDIDA GANDOLPHO	BRA	2001	4:28.97	MIDORI KINJO	JPN	2005	100 M. I.M.			
3:53.25	CHISE IBE	JPN	2008	50 M. BRST				1:56.27	JOAN PARNELL	CAN	2008
400 M. FREE				50.48	SATOKO SUZUKI	JPN	2003	1:56.65	JEAN TROY	USA	2007
7:20.96	JEAN TROY	USA	2007	51.34	EDITH BOHM	GER	2008	1:59.06	M. CUNNINGHAM	AUS	2005
7:22.84	MARGERY MEYER	USA	2002	54.63	JOAN PARNELL	CAN	2008	2:00.15	CHIE TANI	JPN	2006
7:33.69	RITA SIMONTON	USA	1998	55.81	MICHELE GUILLAIS	FRA	2001	2:02.01	MARGERY MEYER	USA	2003
7:44.00	M. CUNNINGHAM	AUS	2005	56.09	SAYOKO WATANABE	JPN	2007	2:02.30	DORIS MCEWAN	CAN	2004
7:58.35	VIRGINIA KETELEER	BEL	2006	56.36	SHIZUE TOYAMA	JPN	2004	2:02.67	LOIS KIVI NOCHMAN	USA	2004
7:59.04	CHIE TANI	JPN	2007	56.87	ERIKA LANGE	GER	2008	2:03.03	YOKO KOBAYASHI	JPN	2007
7:59.87	ELSA DE LEEUW	CAN	2004	57.11	KIMIE KANAI	JPN	2004	2:04.00	GERTRUD MEERWALD	GER	2000
8:04.20	MARJORIE SHARPE	USA	1997	57.14	EMMI PAULI	GER	1993	2:04.68	SETSUKO NISHIMURA	JPN	2007
8:05.44	CANDIDA GANDOLPHO	BRA	2001	58.44	INGEBORG FRITZE	GER	2001	200 M. I.M.			
8:05.55	BETTY RUSS	USA	2008	100 M. BRST				4:07.66	JEAN TROY	USA	2007
800 M. FREE				1:54.30	SATOKO SUZUKI	JPN	2003	4:22.29	LOIS KIVI NOCHMAN	USA	2005
15:12.35	JEAN TROY	USA	2007	2:03.93	SAYOKO WATANABE	JPN	2007	4:22.97	CHIE TANI	JPN	2006
15:30.51	MARGERY MEYER	USA	2005	2:06.59	EMMI PAULI	GER	1993	4:36.03	M. CUNNINGHAM	AUS	2005



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4:38.24	MARGERY MEYER	USA	2002	18:02.38	MAURINE KORNFELD	USA	2007	2:36.99	INGEBORG FRITZE	GER	2007
4:40.77	MARIA LENK	BRA	1995	19:41.58	MAXINE MERLINO	USA	1998	2:37.44	FUSAKO TOMINARI	JPN	2002
4:44.14	ELSA DE LEEUW	CAN	2004	20:28.81	MARJORIE SHARPE	USA	2003	2:37.57	MICHIKO HAMURO	JPN	2004
4:45.38	JEAN DURSTON	USA	1995	20:31.49	WILLY VAN RYSEL	GBR	2001	2:38.48	MARTI GOGNIAT	USA	1995
4:45.93	MAXINE MERLINO	USA	1992	21:02.41	MARIA LENK	BRA	2001	2:38.91	DOROTHY WESTON	GBR	1998
4:54.25	GERTRUD MEERWALD	GER	2000	21:38.16	LILLIAN WARREN	CAN	2004	2:43.55	NAKA FUKUOKA	JPN	2008
400 M. I.M.				21:44.00	KAY SCHIMPF	USA	2002	200 M. BRST			
9:30.65	JEAN TROY	USA	2007	22:22.74	JULIA DOLCE	USA	1995	5:09.65	DOROTHY WILLIAMS	GBR	2008
9:31.73	LOIS KIVI NOCHMAN	USA	2004	22:23.51	KIKU ONO	JPN	2002	5:33.41	MICHIKO HAMURO	JPN	2004
9:37.55	BETTY RUSS	USA	2008	1500 M. FREE				5:39.33	MARIA LENK	BRA	2000
9:50.43	MAXINE MERLINO	USA	1992	31:44.50	RITA SIMONTON	USA	2003	5:45.85	LIS KNUTZEN	DEN	2007
10:09.01	JEAN DURSTON	USA	1994	33:03.30	MARGERY MEYER	USA	2007	5:46.07	MARIANNA BERKLEY	USA	2007
10:56.37	JAE HOWELL	USA	2003	37:28.53	MAXINE MERLINO	USA	1998	5:55.47	INGEBORG FRITZE	GER	2008
11:05.81	KAY SCHIMPF	USA	1997	39:25.76	WILLY VAN RYSEL	GBR	2001	5:59.36	MARTI GOGNIAT	USA	1997
11:17.91	JUNE REYNOLDS	USA	2002	41:11.16	KAY SCHIMPF	USA	2002	6:08.18	JAE HOWELL	USA	2007
11:18.33	KALIS RASMUSSEN	CAN	2006	42:10.95	JULIA DOLCE	USA	1995	6:18.17	GERTRUD ZINT	USA	2003
11:19.93	ELSA MATTILA	USA	1991	42:54.05	KIKU ONO	JPN	2002	6:20.38	CHARLOTTE SANDDAL	USA	2007
*****				48:02.60	KATH JOHNSTONE	NZL	2003	50 M. FLY			
*****				50 M. BACK				1:07.35	JEAN DURSTON	USA	1999
*****				57.62	BUNNY CEDERLUND	USA	2006	1:11.38	MARIA LENK	BRA	2000
*****				58.02	NOEL MORROW	CAN	2004	1:16.71	MAXINE MERLINO	USA	1998
*****				58.38	MASA SHIGEMITSU	JPN	2000	1:19.27	JUNE REYNOLDS	USA	2007
*****				59.11	MARGERY MEYER	USA	2008	1:23.85	JAE HOWELL	USA	2007
*****				59.67	WILLY VAN RYSEL	GBR	2001	1:24.22	JEWEL COOKE	USA	1996
*****				1:00.39	MARJORIE SHARPE	USA	2002	1:24.51	DOROTHY WESTON	GBR	2002
*****				1:00.71	FUSAKO TOMINARI	JPN	2003	1:24.53	KATHERINE PELTON	USA	1990
*****				1:01.06	MARIA LENK	BRA	2000	1:26.72	RITA SIMONTON	USA	2006
*****				1:01.72	ANNE WALKER	USA	2001	1:29.04	EDITH GLUSAC	USA	2003
*****				1:02.13	OLGA JOHNSON	NZL	2006	100 M. FLY			
*****				100 M. BACK				2:36.50	JEAN DURSTON	USA	1999
*****				2:10.33	BUNNY CEDERLUND	USA	2006	2:51.00	MAXINE MERLINO	USA	1998
*****				2:11.03	WILLY VAN RYSEL	GBR	2001	2:59.72	JUNE REYNOLDS	USA	2007
*****				2:11.09	PERSIS RAE	AUS	2005	3:05.69	JAE HOWELL	USA	2007
*****				2:11.54	MARIA LENK	BRA	2000	3:20.81	JEWEL COOKE	USA	1996
*****				2:13.95	NOEL MORROW	CAN	2004	3:22.29	EDITH GLUSAC	USA	2003
*****				2:16.21	DOROTHY WILLIAMS	GBR	2008	3:29.58	KATHERINE PELTON	USA	1990
*****				2:16.59	MARJORIE SHARPE	USA	2002	3:54.84	ANNE POTTIER	FRA	2008
*****				2:21.99	HANA ENATSU	JPN	2008	4:21.96	EDIE GOLDMAN	USA	1997
*****				2:23.95	EDITH THEIN	ISR	2004	4:35.49	KIYOMI KITAMURA	JPN	2005
*****				2:23.98	ANNE WALKER	USA	2002	200 M. FLY			
*****				200 M. BACK				5:42.80	JEAN DURSTON	USA	1999
*****				4:18.50	EDITH THEIN	ISR	2003	6:01.46	MAXINE MERLINO	USA	1998
*****				4:36.48	BUNNY CEDERLUND	USA	2006	6:26.75	JAE HOWELL	USA	2007
*****				4:41.34	MARIA LENK	BRA	2000	6:45.75	JUNE REYNOLDS	USA	2007
*****				4:41.38	PERSIS RAE	AUS	2005	7:12.95	JEWEL COOKE	USA	1996
*****				4:46.44	WILLY VAN RYSEL	GBR	2001	7:15.07	KATHERINE PELTON	USA	1990
*****				4:49.34	DOROTHY WILLIAMS	GBR	2008	8:44.12	ANNE POTTIER	FRA	2008
*****				4:53.35	MARJORIE SHARPE	USA	2002	16:41.57	GERDA VOSS	CAN	2004
*****				4:57.09	ANNE WALKER	USA	2001	100 M. I.M.			
*****				4:58.10	OLGA JOHNSON	NZL	2006	2:12.85	JEWEL COOKE	USA	1995
*****				5:00.12	HIDEKO HANADA	JPN	2004	2:13.69	MARGERY MEYER	USA	2008
*****				50 M. BRST				2:21.11	RITA SIMONTON	USA	2003
*****				1:00.56	SATOKO SUZUKI	JPN	2008	2:22.10	MARIA LENK	BRA	2000
*****				1:04.29	MICHELE GUILLAIS	FRA	2006	2:23.05	MARIANNA BERKLEY	USA	2007
*****				1:07.06	LIS KNUTZEN	DEN	2006	2:25.02	JEAN DURSTON	USA	1999
*****				1:07.09	INGEBORG FRITZE	GER	2007	2:26.58	MICHELE GUILLAIS	FRA	2006
*****				1:08.15	FUSAKO TOMINARI	JPN	2004	2:27.70	MAXINE MERLINO	USA	1998
*****				1:08.39	MARIA LENK	BRA	2000	2:32.74	DOROTHY WESTON	GBR	1998
*****				1:08.46	DOROTHY WILLIAMS	GBR	2008	2:34.00	MICHIKO HAMURO	JPN	2004
*****				1:09.22	EMMI PAULI	GER	1998	200 M. I.M.			
*****				1:09.70	MARTI GOGNIAT	USA	1995	5:09.92	MARIA LENK	BRA	2000
*****				1:10.04	GERTRUD ZINT	USA	2002	5:12.01	JEAN DURSTON	USA	1999
*****				100 M. BRST				5:12.13	MAXINE MERLINO	USA	1998
*****				2:26.71	DOROTHY WILLIAMS	GBR	2008	5:26.90	RITA SIMONTON	USA	2004
*****				2:28.12	LIS KNUTZEN	DEN	2006	5:36.16	MARIANNA BERKLEY	USA	2007
*****				2:29.90	MARIA LENK	BRA	2000	5:44.41	JAE HOWELL	USA	2007
*****				2:33.87	EMMI PAULI	GER	1998	6:10.09	JUNE REYNOLDS	USA	2008



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6:10.88	JEWEL COOKE	USA	1995	28:45.45	ANNA BAUSCHER	USA	1993	1:30.41	RITA SIMONTON	USA	2008
6:12.63	GERTRUD ZINT	USA	2002	1500 M. FREE				1:34.61	DOROTHY WESTON	GBR	2003
6:18.36	MAURINE KORNFELD	USA	2007	35:40.38	RITA SIMONTON	USA	2008	1:35.56	MAXINE MERLINO	USA	2002
400 M. I.M.				41:20.62	WILLY VAN RYSEL	GBR	2006	1:48.46	MARIE KELLEHER	USA	2006
10:55.73	JEAN DURSTON	USA	1999	44:27.18	MAXINE MERLINO	USA	2002	1:49.08	JEWEL COOKE	USA	2000
11:02.02	MAXINE MERLINO	USA	1998	48:36.59	KATH JOHNSTONE	NZL	2007	4:00.74	HILDA BUEL	USA	2004
12:24.66	JAE HOWELL	USA	2007	50 M. BACK				4:45.13	ANNA BAUSCHER	USA	1993
12:30.12	JUNE REYNOLDS	USA	2007	1:05.70	WILLY VAN RYSEL	GBR	2006	100 M. FLY			
13:24.08	JEWEL COOKE	USA	1996	1:13.75	MARIA LENK	BRA	2005	3:21.00	DOROTHY WESTON	GBR	2003
13:32.12	GERTRUD ZINT	USA	2003	1:15.02	M.GOTTSCHALK	GER	1999	4:06.32	JEWELL COOK	USA	1999
15:34.06	KATHERINE PELTON	USA	1991	1:16.60	ANNE WALKER	USA	2006	100 M. I.M.			
21:51.74	GERDA VOSS	CAN	2004	1:16.87	JOAN GODSALL	AUS	2008	2:51.20	RITA SIMONTON	USA	2008
23:20.13	ELFIE STEVENIN	USA	2008	1:19.85	MIEKO NAGAOKA	JPN	2006	3:06.08	DOROTHY WESTON	GBR	2003
				1:20.79	EDITH GLUSAC	USA	2008	3:06.87	MAXINE MERLINO	USA	2004
*****				1:22.64	JEWEL COOKE	USA	2000	3:13.87	JEWEL COOKE	USA	1999
WOMEN 90-94				1:22.70	MARY LATHRAM	USA	2005	3:31.92	MARIE KELLEHER	USA	2006
*****				1:23.51	RINA DAVOGLIO	ITA	2002	4:43.61	DOROTHY RIORDAN	USA	2004
50 M. FREE				100 M. BACK				5:08.94	BERNARDA ANGULO	ESP	2004
55.53	HISAKO KOGA	JPN	2007	2:26.64	WILLY VAN RYSEL	GBR	2006	5:58.92	HILDA BUEL	USA	2005
56.55	RITA SIMONTON	USA	2008	2:43.99	MARIA LENK	BRA	2005	200 M. I.M.			
1:05.20	WILLY VAN RYSEL	GBR	2006	2:45.49	M.GOTTSCHALK	GER	1999	5:58.46	RITA SIMONTON	USA	2008
1:08.65	JOAN GODSALL	AUS	2008	2:47.71	ANNE WALKER	USA	2006	6:25.12	MAXINE MERLINO	USA	2003
1:09.85	JEWEL COOKE	USA	2000	2:56.37	DOROTHY WESTON	GBR	2003	6:56.70	JEWEL COOKE	USA	1999
1:10.19	MARIA LENK	BRA	2005	2:59.60	RINA DAVOGLIO	ITA	2002	11:57.44	HILDA BUEL	USA	2004
1:10.26	DOROTHY WESTON	GBR	2003	3:00.20	MIEKO NAGAOKA	JPN	2006	400 M. I.M.			
1:10.74	SHIZUE SHIMIZU	JPN	2002	3:05.96	JEWEL COOKE	USA	1999	14:55.37	JEWEL COOKE	USA	1999
1:10.83	ANNE WALKER	USA	2006	3:08.02	MARY LATHRAM	USA	2006				
1:11.85	MARGO BATES	AUS	2000	3:11.41	KIKU ONO	JPN	2008	*****			
100 M. FREE				200 M. BACK				WOMEN 95-99			
2:07.65	RITA SIMONTON	USA	2008	5:02.82	WILLY VAN RYSEL	GBR	2006	*****			
2:09.13	HISAKO KOGA	JPN	2008	5:56.27	ANNE WALKER	USA	2006	50 M. FREE			
2:23.66	WILLY VAN RYSEL	GBR	2006	6:24.54	MARY LATHRAM	USA	2006	1:13.87	SHIZUE SHIMIZU	JPN	2006
2:35.08	MARIA LENK	BRA	2005	6:32.92	JEWEL COOKE	USA	1999	1:58.55	BERNARDA ANGULO	ESP	2007
2:35.08	JEWEL COOKE	USA	2000	6:38.29	MIEKO NAGAOKA	JPN	2006	2:02.50	MARGE ANDERSON	CAN	1998
2:41.09	JOAN GODSALL	AUS	2008	6:57.85	KATH JOHNSTONE	NZL	2007	2:08.68	ROSA SELLARES	ESP	2006
2:41.85	KATH JOHNSTONE	NZL	2008	7:16.44	MADELEINE MILLER	USA	2000	4:05.96	ELIZABETH DZIADUS	USA	2005
2:47.04	KIKU ONO	JPN	2007	7:43.30	EDITH HENDRY	USA	2003	100 M. FREE			
2:52.25	MIEKO NAGAOKA	JPN	2007	7:47.79	BERNARDA ANGULO	ESP	2002	3:10.36	MARIE KELLEHER	USA	2008
2:52.61	MARIE KELLEHER	USA	2005	10:16.22	HILDA BUEL	USA	2005	4:25.97	BERNARDA ANGULO	ESP	2008
200 M. FREE				50 M. BRST				4:32.42	ROSA SELLARES	ESP	2006
4:24.90	RITA SIMONTON	USA	2008	1:15.48	FUSAKO TOMINARI	JPN	2007	4:35.98	MARGE ANDERSON	CAN	1998
4:49.36	HISAKO KOGA	JPN	2008	1:21.91	DOROTHY WESTON	GBR	2003	200 M. FREE			
5:11.66	WILLY VAN RYSEL	GBR	2006	1:24.48	MARIA LENK	BRA	2005	6:50.52	MARIE KELLEHER	USA	2008
5:21.30	MARIA LENK	BRA	2005	1:25.24	M.GOTTSCHALK	GER	1999	9:32.52	ROSA SELLARES	ESP	2006
5:34.59	MAXINE MERLINO	USA	2002	1:36.78	RITA SIMONTON	USA	2008	9:40.96	BERNARDA ANGULO	ESP	2007
5:38.34	KATH JOHNSTONE	NZL	2008	1:37.50	YOSHI KUCHIBA	JPN	1998	400 M. FREE			
5:45.22	JEWEL COOKE	USA	2000	1:38.63	MADELEINE MILLER	USA	2000	19:20.68	BERNARDA ANGULO	ESP	2007
5:51.94	KIKU ONO	JPN	2007	1:43.97	IRENE ADAMS	CAN	2005	19:24.06	ROSA SELLARES	ESP	2006
6:17.39	MARY LATHRAM	USA	2005	1:46.02	LUZIA CARACCILO	BRA	2004	50 M. BACK			
6:23.75	MARGO BATES	AUS	2000	1:48.73	EDNA FARRELL	NZL	2008	1:27.92	EDITH HENDRY	USA	2006
400 M. FREE				100 M. BRST				1:57.45	BERNARDA ANGULO	ESP	2008
9:01.89	RITA SIMONTON	USA	2008	3:04.86	DOROTHY WESTON	GBR	2003	2:00.16	SHIZUE SHIMIZU	JPN	2006
10:01.56	HISAKO KOGA	JPN	2007	3:05.60	MARIA LENK	BRA	2005	2:04.24	ROSA SELLARES	ESP	2005
10:29.76	WILLY VAN RYSEL	GBR	2006	3:25.74	M.GOTTSCHALK	GER	1999	2:05.36	MARGE ANDERSON	CAN	1998
10:45.34	MAXINE MERLINO	USA	2002	4:05.59	DORRIE VANNING	NZL	1991	3:36.30	ELIZABETH DZIADUS	USA	2005
11:10.67	MARIA LENK	BRA	2005	4:06.89	JEWEL COOKE	USA	1999	100 M. BACK			
12:17.00	KATH JOHNSTONE	NZL	2008	4:15.28	MADELEINE MILLER	USA	2000	3:25.37	EDITH HENDRY	USA	2006
12:35.51	KIKU ONO	JPN	2007	4:35.76	KATH JOHNSTONE	NZL	2007	4:08.35	BERNARDA ANGULO	ESP	2008
13:24.06	MARY LATHRAM	USA	2006	6:13.66	MARGOT LENIGK	USA	2001	4:12.61	SHIZUE SHIMIZU	JPN	2006
14:06.61	MASAKO MATSUNO	JPN	2006	6:29.78	HILDA BUEL	USA	2005	4:36.75	ROSA SELLARES	ESP	2005
14:16.35	ANNA BAUSCHER	USA	1993	200 M. BRST				5:12.32	MARGO BATES	AUS	2007
800 M. FREE				6:37.73	MARIA LENK	BRA	2005	200 M. BACK			
18:38.98	RITA SIMONTON	USA	2008	9:03.85	JEWEL COOKE	USA	1999	7:36.62	EDITH HENDRY	USA	2006
21:16.76	WILLY VAN RYSEL	GBR	2006	10:00.45	KATH JOHNSTONE	NZL	2007	9:20.51	BERNARDA ANGULO	ESP	2008
22:18.84	MAXINE MERLINO	USA	2002	10:23.13	MADELEINE MILLER	USA	2000	9:37.39	ROSA SELLARES	ESP	2005
25:03.34	MARIA LENK	BRA	2007	14:53.20	HILDA BUEL	USA	2004	11:55.69	MARGO BATES	AUS	2007
25:12.44	KATH JOHNSTONE	NZL	2007	50 M. FLY				100 M. I.M.			



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3:54.89	MARIE KELLEHER	USA	2008	15:56.29	MARTIN HOHL	SUI	2008	2:18.21	FABIO SILVA	BRA	2006
				16:15.61	CRAIG PICKERING	USA	2006	2:19.27	COREY WELCH	USA	2008
*****				16:16.13	JOHN CALNAN	CAN	2006	2:19.40	S.YOSHIKURA	JPN	2006
	WOMEN 100-104			16:23.21	ROB J MACKLE	USA	1992	2:19.76	OLIVER VINENZETTI	GER	2005
*****				16:26.54	TONY DAY	GBR	1991	2:20.30	AUDY OKTAVIAN	USA	2003
*****				16:29.14	RICCARDO RUSSO	ITA	2006	2:20.38	C.BRUNSON	USA	2006
*****				16:31.71	BERND FELDVOSS	GER	1994	2:20.40	STUART NOTMAN	GBR	2004
	M E N 25-29			16:35.98	JOHNY HEWERDINE	CAN	2005	2:20.43	ABRAHAM SOLANO	USA	1996
*****				50 M. BACK				50 M. FLY			
50 M. FREE				25.05	STEV THELOKE	GER	2004	23.77	DAISUKE ABE	JPN	2008
22.48	ED WAGNER	USA	1996	25.15	KEVIN DOAK	USA	2007	24.24	D. BURGESS LAIRD	USA	1989
22.48	ROBERT PEEL	USA	1993	25.22	TERO RATY	FIN	2004	24.29	STEFAN HERBST	GER	2004
22.76	DANIEL BELINI	BRA	2008	25.43	MARTIN HARRIS	GBR	1994	24.66	LASSE FRANK	GER	2007
22.76	STEFAN OOSTING	NED	2008	25.62	JIRI LEPOLA	FIN	2002	24.68	NAOKI NAGURA	JPN	2007
22.78	ANDREW MANLEY	GBR	2003	25.96	KRISTIAN OUTINEN	DEN	2008	24.71	DANIEL BELINI	BRA	2008
22.78	BJORN ZIKARSKY	USA	1995	26.00	MICHAEL KANNER	USA	1995	24.78	OLIVER WENZEL	GER	2008
22.80	RYAN LAURIN	CAN	2003	26.11	TAKAFUMI OISHI	JPN	2005	24.78	KEI NAKASHIMA	JPN	2008
22.81	SCOTT GREENWOOD	USA	2002	26.14	KENTARO NAKAMURA	JPN	2002	24.80	ARAKEN MOREIRA	BRA	2005
22.82	TOMOYUKI HIRAYAMA	JPN	2008	26.21	JOHN KEPPELER	USA	1995	24.84	LEONARDO FRANCA	BRA	2005
22.83	ERIK OSBORN	USA	1995	100 M. BACK				100 M. FLY			
100 M. FREE				55.04	STEFAN HERBST	GER	2005	53.82	JEFF DASH	USA	2008
48.58	S.KUNZELMANN	GER	2005	55.15	TERO RATY	FIN	2004	53.93	STEFAN HERBST	GER	2004
49.58	ANDREW MANLEY	GBR	2003	55.42	TAKAFUMI OISHI	JPN	2005	54.26	KEI NAKASHIMA	JPN	2008
49.91	BJORN ZIKARSKY	USA	1995	55.65	KEVIN DOAK	USA	2007	54.73	D.STOCKINGER	AUT	2008
50.13	HERMAN LOUW	USA	2000	55.76	JOHN KEPPELER	USA	1995	54.83	JASON EADDY	USA	2002
50.20	STEFAN OOSTING	NED	2008	55.87	NATHAN OXFORD	GBR	2008	54.94	MARIO MARSHALL	USA	2007
50.31	D.STOCKINGER	AUT	2008	55.97	MARTIN HARRIS	GBR	1994	54.98	CURTIS SAWIN	USA	2000
50.43	SYLVAIN JOSEPH	FRA	2008	56.02	JIRI LEPOLA	FIN	2002	55.03	YUSUKE AIHARA	JPN	2007
50.55	DAN WEGNER	USA	2000	56.24	DAVID VAN ACKER	EST	2007	55.16	KOHEI ASANO	JPN	2008
50.60	KLAUS HUEZ	ITA	2003	56.48	TAKUMA YAMAOKA	JPN	2003	55.21	ARAKEN MOREIRA	BRA	2005
50.69	DANIEL BELINI	BRA	2008	200 M. BACK				200 M. FLY			
200 M. FREE				1:56.22	STEFAN HERBST	GER	2006	1:59.74	MARK LEWIS	GBR	2008
1:48.81	JOHN KEPPELER	USA	1995	2:01.14	DEAN KENT	NZL	2005	1:59.92	SATOSHI TORATANI	JPN	2008
1:49.94	ANDREW MANLEY	GBR	2003	2:01.78	MARTIN HARRIS	GBR	1994	2:01.72	YOHEI KATO	JPN	2007
1:50.19	SYLVAIN CROS	FRA	2007	2:02.63	JOHN KEPPELER	USA	1995	2:01.74	LOIC LEROY	FRA	2006
1:50.99	EDUARDO SCHIESARI	BRA	2002	2:03.19	SYLVAIN CROS	FRA	2007	2:02.05	KIMITAKA MINOBE	JPN	2003
1:51.11	HERMAN LOUW	USA	2000	2:03.69	SHINYA HAYASHI	JPN	2006	2:02.72	LASSE FRANK	GER	2007
1:51.34	STEVEN MELLOR	GBR	2000	2:03.99	ANTHONY VD KRAAY	GBR	2008	2:03.59	JASON EADDY	USA	2002
1:51.65	FERNANDO SAEZ	BRA	2002	2:04.07	DARRYL FOLLOWS	NZL	1993	2:04.19	JEFF DASH	USA	2008
1:51.87	AURELIEN COQ	FRA	2004	2:04.62	TAKUMA YAMAOKA	JPN	2007	2:04.83	SHOTA YAMAGUCHI	JPN	2005
1:51.92	DAN WEGNER	USA	2000	2:05.18	C.SHEPPARD	USA	2006	2:05.26	STEVEN MELLOR	GBR	2000
1:52.55	JENS BUNGER	GER	1994	2:05.18	ALEXANDER KAHL	GER	2005	100 M. I.M.			
400 M. FREE				50 M. BRST				55.20	STEFAN HERBST	GER	2004
3:53.60	SYLVAIN CROS	FRA	2007	27.69	RUSS PATRICK	CAN	2003	56.13	NAOKI NAGURA	JPN	2008
3:56.53	A.ANGELOTTI	BRA	2001	27.76	EDUARDO FISCHER	BRA	2005	56.47	KRISTIAN OUTINEN	DEN	2008
3:56.66	AURELIEN COQ	FRA	2004	28.11	NAOKI NAGURA	JPN	2006	56.65	JEFF COMMINGS	USA	2003
3:57.24	STEVEN MELLOR	GBR	2000	28.18	MITSUHIRO MARU	JPN	2008	56.76	ATTILA CZENE	USA	2001
3:58.23	MARTIN HOHL	SUI	2008	28.26	MATTHIAS RUMPF	GER	2005	57.04	JACOB CARSTENSEN	DEN	2007
3:58.23	ALEX KOSTICH	USA	1997	28.28	NICOLAS CANIVET	FRA	2004	57.33	TERO RATY	FIN	2004
3:59.78	GAVIN LILLEY	GBR	1993	28.46	COREY WELCH	USA	2008	57.39	DEAN KENT	NZL	2005
4:00.64	G.ORPHANIDES	GBR	2003	28.60	JEFF COMMINGS	USA	2003	57.40	ANDREW MANLEY	GBR	2003
4:00.87	D.STOCKINGER	AUT	2008	28.68	KRISTIAN OUTINEN	DEN	2008	57.57	JESPER LEVANDER	SWE	2006
4:02.17	DAN WEGNER	USA	2000	28.69	HIDEAKI TOGO	JPN	1999	200 M. I.M.			
800 M. FREE				100 M. BRST				2:00.56	STEFAN HERBST	GER	2006
8:07.91	A.ANGELOTTI	BRA	2001	1:00.28	EDUARDO FISCHER	BRA	2005	2:01.58	DEAN KENT	NZL	2005
8:13.81	G.ORPHANIDES	GBR	2003	1:01.49	MITSUHIRO MARU	JPN	2008	2:03.28	AURELIEN COQ	FRA	2004
8:14.75	ALEX KOSTICH	USA	1997	1:02.31	MATTHIAS RUMPF	GER	2005	2:04.17	YOHEI KATO	JPN	2007
8:21.79	G.SPLITTGERBER	GER	2000	1:02.38	KRISTIAN OUTINEN	DEN	2008	2:05.66	ANDREW MANLEY	GBR	2004
8:25.06	JASON NIELSON	USA	1996	1:02.49	SIMON LEIGHFIELD	AUS	2002	2:05.74	ANTHONY VD KRAAY	GBR	2008
8:26.37	CRAIG PICKERING	USA	2006	1:02.51	NICOLAS CANIVET	FRA	2004	2:05.93	JOHN KEPPELER	USA	1995
8:28.33	ANDREA MARCATO	ITA	2002	1:02.61	RUSS PATRICK	CAN	2003	2:05.98	KAZUYA KUROSU	JPN	2003
8:28.96	M.MICHAELSEN	GER	2002	1:02.79	STEFAN FUHRMANN	GER	2007	2:06.84	J HORKY	CZE	1997
8:29.19	TONY LENNANSSON	SWE	1992	1:02.83	JEFF COMMINGS	USA	2003	2:06.96	EDUARDO SCHIESARI	BRA	2004
8:31.19	ASUKA KOIZUMI	JPN	2008	1:02.87	HIDEAKI TOGO	JPN	1999	400 M. I.M.			
1500 M. FREE				200 M. BRST				4:20.94	DEAN KENT	NZL	2005
15:29.68	G.ORPHANIDES	GBR	2003	2:14.44	CHRISTOPHER JONES	GBR	2007	4:26.79	JOHN KEPPELER	USA	1995
15:41.81	ALEX KOSTICH	USA	1997	2:15.42	SIMON LEIGHFIELD	AUS	2002	4:26.97	ALEX KOSTICH	USA	1997



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4:28.29	JULIEN BAILLOD	SUI	2008	1500 M. FREE	2:15.72	TOMASZ DUSZYNSKI	POL	2007				
4:30.99	MARCEL RINZLER	USA	2000	15:51.07	ALEX KOSTICH	USA	2000	2:16.60	NICK GILLINGHAM	GBR	2001	
4:32.09	ASUKA KOIZUMI	JPN	2008	16:06.84	IGOR PIOVESAN	ITA	2008	2:17.56	ROQUE SANTOS	USA	1999	
4:32.80	ANTHONY VD KRAAY	GBR	2008	16:11.71	ANDREA MARCATO	ITA	2004	2:20.53	ABRAHAM SOLANO	USA	1999	
4:33.17	JEROME FRENTSOS	USA	1995	16:15.49	MIKE SHAFFER	USA	1995	2:21.42	JONATHAN BANVILLE	SUI	2003	
4:34.06	G.ORPHANIDES	GBR	2003	16:20.43	FABIEN CZACHOR	FRA	2006	2:21.99	SIMONE BATTISTON	ITA	2008	
4:34.11	A.ANGELOTTI	BRA	2001	16:21.25	BRUCE HAYES	USA	1994	2:23.34	RAFFAELE NOTTE	ITA	2005	
				16:21.80	CRAIG PICKERING	USA	2008	2:24.18	FABRICE BEAUNOIR	FRA	2007	
				16:26.83	JEFF UTSCH	USA	1997	2:24.31	DAISUKE MAEHIRA	JPN	2007	
				16:31.60	FABIO AFFRICANO	ITA	2007	2:24.40	STEPHAN JOE	USA	2006	
				16:36.85	COLIN OVINGTON	GBR	2001	50 M. FLY				
				50 M. FREE	50 M. BACK	24.36	HAJIME ITOI	JPN	2003			
				22.41	S.KUNZELMANN	GER	2008	24.64	BRIAN ALDERMAN	USA	1999	
				22.67	LEANDRO OKUDA	BRA	2008	24.65	OSWALDO QUEVEDO	USA	2007	
				22.68	ANDREW MANLEY	GBR	2008	24.67	ALEXANDER KAHL	GER	2007	
				22.68	AUSTYN SHORTMAN	GBR	2003	24.74	LEANDRO OKUDA	BRA	2008	
				22.76	ED WAGNER	USA	2002	24.75	JON WINTER	NZL	2002	
				22.82	ROWDY GAINES	JPN	1989	24.86	MICHAEL PICOTTE	USA	2003	
				22.99	MICHAEL PICOTTE	USA	2003	25.04	STEPHANE MEYER	FRA	2007	
				23.08	BRIAN JACOBSON	USA	2006	25.06	MICHAEL BOTTOM	USA	1989	
				23.15	DAVIDE DIAMBRI	ITA	2008	25.11	DANIEL MORALES	ESP	2008	
				23.15	LARS-OVE JANSSON	SWE	1999	100 M. FLY				
				100 M. FREE	100 M. BACK	54.28	S.KUNZELMANN	GER	2008			
				49.04	S.KUNZELMANN	GER	2008	54.82	HIROSHI MIURA	JPN	1996	
				49.97	ANDREW MANLEY	GBR	2008	54.85	BRIAN ALDERMAN	USA	1999	
				50.51	ROWDY GAINES	JPN	1989	55.40	DANIEL MORALES	ESP	2008	
				50.53	KLAUS HUEZ	ITA	2004	55.74	HIROKI NAKAZONO	JPN	2008	
				50.64	STEPHANE MEYER	FRA	2007	55.78	OZZIE QUEVEDO	USA	2006	
				50.71	MICHAEL PICOTTE	USA	2003	55.82	STEPHANE MEYER	FRA	2006	
				50.94	JOCHEN BRUHA	GER	2001	56.02	ANDREW MANLEY	GBR	2007	
				50.97	JOHN KEPPELER	USA	1999	56.08	MARCO EBENBICHLER	AUT	2008	
				51.05	ED WAGNER	USA	2002	56.08	CURTIS SAWIN	USA	2001	
				51.37	OZZIE QUEVEDO	USA	2007	200 M. FLY				
				51.37	AUSTYN SHORTMAN	GBR	2003	2:00.21	HIROSHI MIURA	JPN	2000	
				200 M. FREE	200 M. BACK	2:04.59	MIKE SHAFFER	USA	1995			
				1:48.40	JACOB CARSTENSEN	DEN	2008	2:05.00	C.SORRENTINO	ITA	2008	
				1:49.00	CHRISTOPH HILMER	GER	2006	2:05.07	FERNANDO ALAEZ	ESP	2008	
				1:50.91	ROWDY GAINES	JPN	1989	2:05.68	ERIK HOCHSTEIN	USA	2002	
				1:51.97	ANDREW MANLEY	GBR	2007	2:05.84	ANDREA MARCATO	ITA	2008	
				1:52.04	JOHN KEPPELER	USA	1999	2:05.93	IAN BECK	GBR	1995	
				1:52.42	JOCHEN BRUHA	GER	2001	2:06.03	PETER EGAN	USA	1995	
				1:52.83	BRUCE HAYES	USA	1994	2:06.66	KIMITAKA MINOBE	JPN	2008	
				1:53.66	DAN STEPHENSON	USA	1989	2:06.86	SHIGEO SHIRAIISHI	JPN	2006	
				1:53.69	BERNIE ZERUHN	USA	2005	100 M. I.M.				
				1:53.81	NORBERT AGH	USA	2001	55.00	STEFAN HERBST	GER	2008	
				400 M. FREE	28.01	JEFF COMMINGS	USA	2008	56.36	ATTILA CZENE	SWE	2004
				3:58.40	ALEX KOSTICH	USA	2000	28.31	HIDEAKI TOGO	JPN	2003	
				3:59.83	BRUCE HAYES	USA	1994	28.56	ALAN PESSOTTI	BRA	2007	
				4:00.26	SEBASTIAN WIESE	GER	2004	28.75	JORG FARBER	GER	2008	
				4:02.06	RAPHAEL VIEIRA	BRA	2008	29.00	NICK POLKINGHORNE	GBR	2004	
				4:02.66	ROWDY GAINES	JPN	1989	29.04	RAFFAELE NOTTE	ITA	2005	
				4:02.80	CRAIG PICKERING	USA	2008	29.10	TOMASZ DUSZYNSKI	POL	2006	
				4:03.85	GLAUCO RANGEL	BRA	2002	29.11	RYOSUKE IMAI	JPN	2008	
				4:04.46	IGOR PIOVESAN	ITA	2008	29.14	S. BROWN	AUS	1990	
				4:05.17	ROLAND LEE	GBR	1996	29.20	PETER KERR	AUS	2008	
				4:05.71	JEFF UTSCH	USA	1997	100 M. BRST				
				800 M. FREE	1:01.34	JEFF COMMINGS	USA	2008	1:58.13	STEFAN HERBST	GER	2008
				8:17.06	ALEX KOSTICH	USA	2000	1:02.85	NICK POLKINGHORNE	GBR	2004	
				8:19.13	SEBASTIAN WIESE	GER	2004	1:03.27	RYOSUKE IMAI	JPN	2008	
				8:19.44	BRUCE HAYES	USA	1994	1:03.47	ALAN PESSOTTI	BRA	2006	
				8:28.60	IGOR PIOVESAN	ITA	2008	1:03.64	ROQUE SANTOS	USA	1999	
				8:29.51	CRAIG PICKERING	USA	2008	1:03.66	TOMASZ DUSZYNSKI	POL	2006	
				8:32.66	ANDREA MARCATO	ITA	2006	1:03.72	RYUTARO MORITA	JPN	2008	
				8:33.18	FABIEN CZACHOR	FRA	2007	1:03.95	JORG FARBER	GER	2008	
				8:34.26	DAN STEPHENSON	USA	1989	1:04.00	NICK GILLINGHAM	GBR	2001	
				8:34.46	ANTONIO D'ARAI	ITA	2005	1:04.02	HIDEAKI TOGO	JPN	2006	
				8:34.69	FABIO AFFRICANO	ITA	2005	200 M. BRST				
								4:26.74	ROQUE SANTOS	USA	1999	



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4:27.02	JOCHEN HANZ	GER	2008	8:39.50	F.SILVESTRI	ITA	2001	200 M. BRST			
4:29.07	ALEX KOSTICH	USA	2000	1500 M. FREE				2:16.49	NICK GILLINGHAM	GBR	2004
4:32.23	JEROME FRENTSOS	USA	1999	15:58.20	BOBBY PATTEN	USA	1999	2:17.96	RON KARNAUGH	USA	2002
4:34.73	C.SORRENTINO	ITA	2007	16:03.47	MIKE SHAFFER	USA	2000	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
4:38.24	CRAIG PICKERING	USA	2008	16:17.38	DANIEL SERRA	ESP	2007	2:20.99	ALBERTO MONTINI	ITA	2005
4:38.26	SHIGEO SHIRAIISHI	JPN	2006	16:20.54	NICOLAS GRANGER	FRA	2006	2:22.50	JAN GRAFE	GER	2008
4:40.29	DIEDERIK ROUFFAER	NED	2002	16:24.14	OLIVIER VAHE	FRA	2008	2:22.64	SERGE SCORE	CAN	1996
4:40.67	MIGUEL ALCALDE	ESP	2007	16:28.38	CHRIS DERKS	USA	2008	2:24.48	JONATHAN BANVILLE	USA	2005
*****				16:36.00	COLIN OVINGTON	GBR	2004	2:24.58	ROQUE SANTOS	USA	2005
*****				16:40.06	GARRY MEIKLEJOHN	JPN	2008	2:24.93	RAFFAELE NOTTE	ITA	2007
*****				16:42.96	RANDY EICKHOFF	USA	2000	50 M. FLY			
M E N 35-39				50 M. BACK				24.48	JAN KARLSSON	SWE	2003
*****				25.86	MICHAEL ROSS	USA	2004	24.95	EIJI NOMURA	JPN	2008
50 M. FREE				26.84	CLAY BRITT	USA	1996	25.23	BRIAN ALDERMAN	USA	2005
21.53	MARK FOSTER	GBR	2007	26.87	RON KARNAUGH	USA	2002	25.29	MICHAEL ROSS	USA	2004
22.47	JOHN MIRANDA	SWE	2000	27.02	MARTIN HARRIS	NZL	2005	25.30	HIDEYUKI CHIGIRA	JPN	2006
23.02	BRIAN JACOBSON	USA	2008	27.12	JEFF WELECHUK	CAN	2008	25.32	WADE KING	USA	2002
23.04	M.GIALDI	ITA	2004	27.13	TAKURO KOJIMA	JPN	2003	25.33	MASATERU IKEDA	JPN	2008
23.12	JAN KARLSSON	SWE	2003	27.14	DEREK ROBINSON	USA	2004	25.41	MAKIO ENDO	JPN	2008
23.44	MICHAEL ROSS	USA	2004	27.14	JIM HARVEY	USA	2001	25.41	RON KARNAUGH	USA	2002
23.52	AUSTYN SHORTMAN	GBR	2008	27.17	KLAUS ECKHOF	AUS	1995	25.44	JIM HARVEY	USA	2001
23.61	MAKIO ENDO	JPN	2008	27.18	GIUSEPPE TIANO	ITA	2006	100 M. FLY			
23.64	JANNE VIRTANEN	FIN	2000	100 M. BACK				55.85	JIM HARVEY	USA	2001
23.68	TYLER BLESSING	USA	2008	55.95	MICHAEL ROSS	USA	2004	55.88	EIJI NOMURA	JPN	2008
100 M. FREE				56.93	RON KARNAUGH	USA	2002	56.32	MICHAEL ROSS	USA	2004
49.53	JOHN MIRANDA	SWE	2000	57.69	CHRIS JONES	GBR	2006	56.57	TYLER BLESSING	USA	2008
51.01	RON KARNAUGH	USA	2003	58.20	JIM HARVEY	USA	2001	56.59	TAIHEI SAKA	JPN	2003
51.31	MICHAEL ROSS	USA	2004	58.22	JEFF WELECHUK	CAN	2008	56.62	HIROYUKI NAKAMURA	JPN	2006
51.43	JOCHEN BRUHA	GER	2004	58.25	CLAY BRITT	USA	1996	56.66	MASATERU IKEDA	JPN	2008
51.44	JIM HARVEY	USA	2001	58.30	MATTHEW O'CONNOR	ESP	2006	56.73	MIKE SHAFFER	USA	2000
51.49	GO KUWATA	JPN	2008	58.36	GIUSEPPE TIANO	ITA	2007	56.86	JOCHEN BRUHA	GER	2004
51.55	MICHAEL PICOTTE	USA	2008	58.50	NICOLAS GRANGER	FRA	2002	57.02	WILLIAM SPECHT	USA	1993
51.79	M.GIALDI	ITA	2005	58.69	MARTIN HARRIS	NZL	2005	200 M. FLY			
51.98	ERIK HOCHSTEIN	USA	2003	200 M. BACK				2:04.50	BOBBY PATTEN	USA	1999
52.23	EDWIN VAN NORDEN	NED	1999	2:00.34	RON KARNAUGH	USA	2002	2:05.84	MIKE SHAFFER	USA	2000
200 M. FREE				2:04.21	CHRIS JONES	GBR	2006	2:06.23	ERIK HOCHSTEIN	USA	2003
1:51.31	ERIK HOCHSTEIN	USA	2003	2:06.73	JEFF WELECHUK	CAN	2008	2:06.48	WILLIAM SPECHT	USA	1994
1:51.47	JOCHEN BRUHA	GER	2004	2:06.95	YOSHIHITO NAKAHARA	JPN	2005	2:06.87	TAIHEI SAKA	JPN	2003
1:51.54	MICHAEL ROSS	USA	2004	2:07.12	JEROME FRENTSOS	USA	2000	2:07.20	CHARLIE JOHNSON	USA	1999
1:52.90	RON KARNAUGH	USA	2002	2:07.54	Y.NAKAHARA	JPN	2008	2:08.16	HIROYUKI NAKAMURA	JPN	2005
1:53.66	EDWIN VAN NORDEN	NED	1998	2:07.80	MARK VOGEL	DEN	2006	2:08.21	EIJI NOMURA	JPN	2008
1:54.51	MIKE SHAFFER	USA	2000	2:08.54	MARCEL RINZLER	USA	2006	2:08.61	SYLVAIN GALANGO	FRA	2008
1:55.07	F.SILVESTRI	ITA	2002	2:08.57	JOHN KEPPELER	USA	2003	2:08.75	JEROME FRENTSOS	USA	2000
1:55.28	NICOLAS GRANGER	FRA	2006	2:08.97	DARRYL FOLLOWS	NZL	2002	100 M. I.M.			
1:55.50	STUART CROMARTY	USA	2002	50 M. BRST				56.94	RON KARNAUGH	USA	2003
1:55.56	JUAN C VALLEJO	ESP	2000	28.75	RON KARNAUGH	USA	2002	58.03	BRIAN JACOBSON	USA	2008
400 M. FREE				28.77	WALLY DICKS	USA	1998	58.36	MICHAEL ROSS	USA	2006
3:57.77	ERIK HOCHSTEIN	USA	2003	28.87	GERALD MORKEN	GER	1997	58.36	JIM HARVEY	USA	2001
3:58.50	F.SILVESTRI	ITA	2002	28.94	ALAN PESSOTTI	BRA	2008	58.97	NICOLAS GRANGER	FRA	2002
4:01.78	RON KARNAUGH	USA	2003	28.95	RON DEKKER	NED	2003	59.05	PETER BERMEL	GER	2002
4:02.35	SEBASTIAN WIESE	GER	2007	28.98	ANDREA AGOSTINONE	ITA	2008	59.11	JEROME FRENTSOS	USA	2000
4:02.52	MIKE SHAFFER	USA	2000	29.31	TIMO NOLTE	GER	2008	59.23	TIMO NOLTE	GER	2008
4:03.90	NICOLAS GRANGER	FRA	2002	29.37	NICK GILLINGHAM	GBR	2004	59.28	CLAY BRITT	USA	1998
4:06.72	TONY LENNARTSSON	SWE	2002	29.56	EITA TSUMURA	JPN	2008	59.29	EDWIN VAN NORDEN	NED	1999
4:07.10	DAVID HOUILLON	FRA	2007	29.59	JOHANN HOHL	AUT	2006	200 M. I.M.			
4:07.22	EDWIN VAN NORDEN	NED	1998	100 M. BRST				2:03.29	RON KARNAUGH	USA	2002
4:07.99	STUART CROMARTY	USA	2002	1:02.57	RON KARNAUGH	USA	2002	2:07.21	JIM HARVEY	USA	2001
800 M. FREE				1:02.62	NICK GILLINGHAM	GBR	2004	2:07.31	NICOLAS GRANGER	FRA	2004
8:23.06	ERIK HOCHSTEIN	USA	2003	1:02.79	WALLY DICKS	USA	2000	2:07.60	PETER BERMEL	GER	2002
8:26.43	MIKE SHAFFER	USA	2000	1:04.02	GERALD MORKEN	GER	1997	2:08.21	EDWIN VAN NORDEN	NED	1999
8:29.31	BOBBY PATTEN	USA	1999	1:04.11	TIMO NOLTE	GER	2008	2:08.34	JEROME FRENTSOS	USA	2000
8:32.29	JUAN C VALLEJO	ESP	2000	1:04.37	RON DEKKER	NED	2003	2:08.79	CHRIS JONES	GBR	2006
8:33.28	SEBASTIAN WIESE	GER	2007	1:04.38	HAJIME MORIMOTO	JPN	2004	2:09.27	UWE VOLK	GER	2008
8:33.92	DAVID CASTRO	BRA	2000	1:04.48	EITA TSUMURA	JPN	2008	2:09.74	TYLER BLESSING	USA	2008
8:34.62	DAVID HOUILLON	FRA	2007	1:04.68	ALBERTO MONTINI	ITA	2003	2:09.92	LORENZO BENUCCI	USA	2005
8:38.57	NICOLAS GRANGER	FRA	2006	1:04.84	ANDREA AGOSTINONE	ITA	2007	400 M. I.M.			
8:39.00	COLIN OVINGTON	GBR	2004								



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4:24.36	RON KARNAUGH	USA	2003	8:42.59	JEFFREY UTSCH	USA	2008	1:06.56	SEAN FRAMPTON	USA	2006
4:34.06	JEROME FRENTSOS	USA	2000	8:46.43	GRAHAM WELBOURN	CAN	2003	200 M. BRST			
4:34.83	UWE VOLK	GER	2008	1500 M. FREE				2:18.16	ALBERTO MONTINI	ITA	2008
4:37.47	MARCEL RINZLER	USA	2006	16:10.52	DANIEL SERRA	ESP	2008	2:18.59	ROQUE SANTOS	USA	2008
4:39.42	EDWIN VAN NORDEN	NED	1999	16:23.95	F.SILVESTRI	ITA	2003	2:23.62	HAJIME MORIMOTO	JPN	2008
4:39.97	DARIUSZ WOLNY	POL	1999	16:28.84	MIKE SHAFFER	USA	2005	2:25.23	SHUJI AZUMA	JPN	2008
4:40.30	F.SILVESTRI	ITA	2002	16:37.00	KAI DITZEL	GER	2005	2:25.58	RON SCHAFER	USA	1997
4:40.84	ROBIN BREW	GBR	1997	16:37.00	MICHAEL KLEIBER	GER	2003	2:26.59	WALLY DICKS	USA	2006
4:41.25	A.TIBERTI	ITA	2001	16:42.00	GEORGE TIDMARSH	USA	2003	2:26.93	PLAMEN ALEXANDROV	USA	2002
4:41.91	DAVID WARREN	GBR	2008	16:43.80	ALBERTO MONTINI	ITA	2008	2:27.09	EDWIN VAN NORDEN	NED	2003
				16:51.71	HESS YNTEMA	USA	1995	2:28.17	CHRIS WEISSMAN	USA	2003
				16:52.71	BOBBY PATTEN	USA	2003	2:28.48	MASSIMO BUSIGNANI	ITA	2008
				16:53.58	ERIK HOCHSTEIN	USA	2008	50 M. FLY			
				50 M. BACK				24.91	MICHAEL ROSS	USA	2008
				26.11	MICHAEL ROSS	USA	2008	25.13	HARTMUT BERNER	GER	2005
				26.56	CHRIS STEVENSON	USA	2008	25.43	ROBERTO TARRICONE	ITA	2004
				27.28	ERIC ERICSON	USA	2002	25.47	JAN KARLSSON	SWE	2008
				27.44	J CLAY BRITT	USA	2001	25.63	MIKE VAROZZA	USA	2008
				27.46	FRITZ LEHMAN	USA	2002	25.84	STEVE HILTABIDDLE	USA	2007
				27.49	CRAIG NORREY	SUI	2005	25.85	GABRIELE MAINI	ITA	2008
				27.55	GIUSEPPE TIANO	ITA	2008	25.88	TAIHEI SAKA	JPN	2004
				27.56	SHUJI AZUMA	JPN	2007	25.89	WILLIAM SPECHT	USA	1998
				27.58	JIM HARVEY	USA	2007	25.90	CHUCK PONTHER	USA	2005
				27.69	ROSS DAVIS	USA	2007	100 M. FLY			
				100 M. BACK				55.82	MICHAEL ROSS	USA	2008
				54.85	MICHAEL ROSS	USA	2008	56.18	WILLIAM SPECHT	USA	1998
				55.90	CHRIS STEVENSON	USA	2008	56.50	JIM HARVEY	USA	2007
				57.66	ERIC ERICSON	USA	2002	56.62	HARTMUT BERNER	GER	2005
				58.28	J CLAY BRITT	USA	2003	56.82	TAIHEI SAKA	JPN	2004
				59.26	WILLIAM SPECHT	USA	1998	56.99	CHRIS STEVENSON	USA	2008
				59.64	SHUJI AZUMA	JPN	2008	57.31	MIKE SHAFFER	USA	2008
				59.91	HIROYOSHI MAETOGI	JPN	2008	57.53	ROBERTO TARRICONE	ITA	2003
				59.94	EDWIN VAN NORDEN	NED	2003	57.56	MARCEL EKKELEBOOM	GER	2005
				1:00.04	JIM HARVEY	USA	2007	57.65	ALBERTO MONTINI	ITA	2008
				1:00.39	JAY YARID	USA	2006	57.65	ANDREA TOJA	ITA	2006
				200 M. BACK				200 M. FLY			
				2:03.84	MICHAEL ROSS	USA	2008	2:02.97	WILLIAM SPECHT	USA	1998
				2:04.96	CHRIS STEVENSON	USA	2008	2:06.48	DENNIS BAKER	USA	2005
				2:08.26	ERIC ERICSON	USA	2002	2:07.03	MIKE SHAFFER	USA	2008
				2:09.61	WILLIAM SPECHT	USA	1998	2:08.46	JAMES BELARDI	USA	1997
				2:10.51	EDWIN VAN NORDEN	NED	2004	2:09.08	ALBERTO MONTINI	ITA	2008
				2:10.73	LEN GUSHE	CAN	2005	2:09.09	HESS YNTEMA	USA	1995
				2:11.17	FRITZ LEHMAN	USA	2002	2:10.99	CHRIS STEVENSON	USA	2008
				2:12.05	ALBERTO MONTINI	ITA	2008	2:11.10	A.LAVEGLIA	ITA	2007
				2:12.33	PETER BERMEI	GER	2008	2:11.34	TAIHEI SAKA	JPN	2007
				2:12.45	TAIHEI SAKA	JPN	2008	2:12.65	A.TIBERTI	ITA	2004
				50 M. BRST				100 M. I.M.			
				29.49	WOLFGANG JARMER	GER	2006	57.71	MICHAEL ROSS	USA	2008
				29.50	GERHARD AMMER	GER	1999	58.94	ROQUE SANTOS	USA	2008
				29.51	ROQUE SANTOS	USA	2008	58.98	ERIK HOCHSTEIN	USA	2008
				29.62	MAKOTO ONODERA	JPN	2008	59.09	ALBERTO MONTINI	ITA	2008
				29.67	ALBERTO MONTINI	ITA	2008	59.43	SHUJI AZUMA	JPN	2008
				29.68	YOZO FUJII	JPN	2008	59.57	ROBERTO TARRICONE	ITA	2003
				29.90	PLAMEN ALEXANDROV	USA	2001	59.66	PETER BERMEI	GER	2007
				29.92	WALLY DICKS	USA	2007	59.78	JIM HARVEY	USA	2007
				30.13	HAROLD MATLA	NED	2008	1:00.16	ROY BERG	USA	2008
				30.14	MARCO BOBBIO	ITA	2004	1:00.28	KAZUHIKO YAMAKAWA	JPN	2008
				100 M. BRST				200 M. I.M.			
				1:03.54	ROQUE SANTOS	USA	2008	2:07.71	ERIK HOCHSTEIN	USA	2008
				1:03.64	ALBERTO MONTINI	ITA	2008	2:07.94	ROQUE SANTOS	USA	2008
				1:05.35	YOZO FUJII	JPN	2008	2:07.96	PETER BERMEI	GER	2007
				1:05.61	SHUJI AZUMA	JPN	2008	2:08.77	NICOLAS GRANGER	FRA	2007
				1:05.79	PLAMEN ALEXANDROV	USA	2002	2:08.82	ALBERTO MONTINI	ITA	2008
				1:05.84	WALLY DICKS	USA	2006	2:09.46	LORENZO BENUCCI	USA	2008
				1:06.21	CHRIS WEISSMAN	USA	2003	2:12.16	PATRICK BRUNDAGE	USA	2008
				1:06.50	RON SCHAFER	USA	1997	2:12.16	ROY BERG	USA	2008
				1:06.51	PEDRO HERNANDEZ	PUR	2005	2:12.25	JIM SORENSEN	USA	1998



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2:12.86	EDWIN VAN NORDEN	NED	2006	8:55.03	LEN GUSHE	CAN	2008	1:08.54	THOMAS LIGL	GER	2006
400 M. I.M.				8:56.08	TIM BRODERICK	USA	1996	1:08.79	AL JAEGERS	USA	2008
4:32.05	ROQUE SANTOS	USA	2008	8:59.81	MARK DRENNEN	USA	2005	1:08.80	A.O'DRISCOLL	GBR	2005
4:35.15	ERIK HOCHSTEIN	USA	2008	9:01.57	JIMMY FURRER	SUI	2004	200 M. BRST			
4:35.57	NICOLAS GRANGER	FRA	2007	1500 M. FREE				2:22.68	GLENN MILLS	USA	2008
4:37.02	DARIUSZ WOLNY	POL	2000	16:28.63	MICHAEL KLEIBER	GER	2008	2:25.89	DAVID GUTHRIE	USA	2008
4:37.39	ALBERTO MONTINI	ITA	2008	16:43.02	MARCUS MATTIOLI	BRA	2006	2:29.89	CHRIS WEISSMAN	USA	2007
4:39.78	PATRICK BRUNDAGE	USA	2008	16:51.21	JIM MCCONICA	USA	1999	2:31.41	GREGORY OXLEY	USA	2003
4:43.28	HESS YNTEMA	USA	1995	16:52.13	B.BORDONALI	ITA	2007	2:31.73	GLEN CHRISTIANSEN	SWE	2002
4:44.06	LORENZO BENUCCI	USA	2007	16:54.69	GERRY RODRIGUES	USA	2008	2:31.92	AL JAEGERS	USA	2008
4:44.38	DENNIS BAKER	USA	2005	16:56.31	MARK DRENNEN	USA	2004	2:32.29	JON BLANK	USA	2005
4:44.87	MIKE SHAFFER	USA	2008	16:58.05	ROBERT BARKER	GBR	2008	2:33.37	SPENCER ELDRED	USA	2003
*****				17:00.23	JIMMY FURRER	SUI	2004	2:33.67	A.O'DRISCOLL	GBR	2004
				17:13.48	DJAN MADRUGA	BRA	2006	2:33.83	PAT ALLENDER	USA	2003
				17:13.73	MATTHEW BAILEY	USA	2008	50 M. FLY			
	M E N 45-49			50 M. BACK				25.82	PAUL SMITH	USA	2007
*****				27.20	ANDERS RASMUSSEN	USA	2008	25.84	PAUL CARTER	USA	2003
				27.24	CLAY BRITT	USA	2006	25.99	ANDERS RASMUSSEN	USA	2008
50 M. FREE				27.53	CRAIG NORREY	SUI	2008	26.52	MARCO COLOMBO	ITA	2006
24.00	JOAKIM SJOHOLM	SWE	2008	27.99	STEVE WOOD	USA	2005	26.55	RAMON VOLCAN	VEN	2006
24.02	BRENT BARNES	JPN	2006	28.32	JAY YARID	USA	2008	26.64	KAI DITZEL	GER	2008
24.09	V.GALAVTINE	RUS	1998	28.40	FRITZ LEHMAN	USA	2003	26.79	HODDING CARTER	USA	2007
24.18	MARK REYNOLDS	GBR	2008	28.52	MARCO COLOMBO	ITA	2007	26.82	BRENT BARNES	JPN	2003
24.18	ANDERS RASMUSSEN	USA	2008	28.73	HIROSHI SHIBUYA	JPN	2005	26.84	MARIO LLORET	ESP	2004
24.23	DMITRI KHODKO	RUS	2006	28.79	RICHARD HUGHEY	USA	2008	26.84	RICK ABBOTT	USA	2003
24.25	STEVE WOOD	USA	2008	28.80	V.GALAVTINE	FRA	2001	100 M. FLY			
24.27	METELLO SAVINO	ITA	2008	58.48	CLAY BRITT	USA	2006	57.17	PAUL CARTER	USA	2003
24.29	PAUL SMITH	USA	2007	58.89	ANDERS RASMUSSEN	USA	2008	58.02	PAUL SMITH	USA	2007
24.40	KAI DITZEL	GER	2008	59.91	JAY YARID	USA	2008	58.10	WILLIAM SPECHT	USA	2004
100 M. FREE				1:00.09	FRITZ LEHMAN	USA	2003	58.35	DENNIS BAKER	USA	2006
52.54	PAUL SMITH	USA	2007	1:00.16	STEVE WOOD	USA	2008	58.80	KAI DITZEL	GER	2008
52.92	KAI DITZEL	GER	2008	1:01.15	EDWIN VAN NORDEN	NED	2008	59.58	MICHAEL SCHMIDT	USA	2008
53.04	MARCO COLOMBO	ITA	2005	1:01.57	MARCO COLOMBO	ITA	2007	59.63	PAUL MORRIS	GBR	2004
53.12	MARK REYNOLDS	GBR	2008	1:01.60	CRAIG NORREY	SUI	2006	59.66	MARCUS MATTIOLI	BRA	2008
53.61	BRENT BARNES	JPN	2005	1:01.81	WIESLAW MUSIAL	CAN	2003	1:00.01	JAMES BALLARD	USA	2003
53.76	DAVID BOATWRIGHT	USA	2006	1:02.03	FRITZ BEDFORD	USA	2008	1:00.09	JOHN VAN BUUREN	CAN	2003
53.95	FRANCESC COLL	ESP	2008	200 M. BACK				200 M. FLY			
53.99	RICHARD HUGHEY	USA	2008	2:10.43	JAY YARID	USA	2008	2:06.40	DENNIS BAKER	USA	2006
54.13	HODDING CARTER	USA	2007	2:12.10	WIESLAW MUSIAL	CAN	2003	2:09.06	WILLIAM SPECHT	USA	2003
54.13	V.GALAVTINE	RUS	1998	2:12.87	EDWIN VAN NORDEN	NED	2008	2:09.58	MARCUS MATTIOLI	BRA	2006
200 M. FREE				2:13.09	LEN GUSHE	CAN	2008	2:11.66	KAI DITZEL	GER	2008
1:54.73	KAI DITZEL	GER	2008	2:13.36	FRITZ LEHMAN	USA	2003	2:13.29	MICHAEL SCHMIDT	USA	2008
1:56.00	PAUL SMITH	USA	2007	2:13.42	DJAN MADRUGA	BRA	2005	2:14.85	DAMIANO NANETTI	ITA	2007
1:56.74	MARCUS MATTIOLI	BRA	2006	2:15.08	MARCO COLOMBO	ITA	2007	2:15.14	HUGO BREGMAN	NED	2006
1:56.93	MARCO COLOMBO	ITA	2008	2:15.36	PETER WIESE	GER	2006	2:16.86	JOHN CRAIG	USA	2000
1:59.08	MARK REYNOLDS	GBR	2008	2:16.30	WILLIAM SPECHT	USA	2004	2:17.30	PAUL MORRIS	GBR	2004
1:59.36	FRANCESC COLL	ESP	2008	2:16.39	JAMES BALLARD	USA	2003	2:18.31	DAVID VANDAM	USA	2000
1:59.53	JIM SORENSEN	USA	2007	50 M. BRST				100 M. I.M.			
2:00.13	TIM BRODERICK	USA	1996	30.13	GLEN CHRISTIANSEN	SWE	2002	1:00.29	MARCO COLOMBO	ITA	2006
2:00.16	DAVID BOATWRIGHT	USA	2006	30.21	DAVID GUTHRIE	USA	2008	1:00.32	ANDERS RASMUSSEN	USA	2008
2:00.74	MICHAEL SCHMIDT	USA	2008	30.25	GLENN MILLS	USA	2008	1:00.49	JOSEF HLADKY	GER	2008
400 M. FREE				30.48	FALTMAN MAGNUS	SWE	2004	1:00.57	RICHARD HUGHEY	USA	2008
4:05.90	KAI DITZEL	GER	2008	30.55	DEAN PUTTERMAN	USA	2008	1:00.66	CLAY BRITT	USA	2006
4:08.93	MARCUS MATTIOLI	BRA	2005	30.77	CHRIS WEISSMAN	USA	2007	1:00.84	PAUL SMITH	USA	2007
4:11.02	MARCO COLOMBO	ITA	2007	30.83	GREGORY OXLEY	USA	2003	1:01.61	GLENN MILLS	USA	2008
4:14.73	JIM MCCONICA	USA	1999	30.85	MASAARI OTSUKI	JPN	2006	1:01.64	FRANCESC COLL	ESP	2008
4:15.06	MICHAEL SCHMIDT	USA	2008	31.13	RONNY OLTNER	SWE	2005	1:01.67	CHRIS WEISSMAN	USA	2007
4:15.62	B.BORDONALI	ITA	2007	31.14	ANDREAS DIEHL	GER	2007	1:01.75	EDWIN VAN NORDEN	NED	2008
4:17.65	FRANCESC COLL	ESP	2008	100 M. BRST				200 M. I.M.			
4:18.03	JIMMY FURRER	SUI	2004	1:05.74	GLENN MILLS	USA	2008	2:13.42	GLENN MILLS	USA	2008
4:18.33	ANDERS HAGLUND	SWE	2008	1:06.39	DAVID GUTHRIE	USA	2008	2:14.16	ANDERS RASMUSSEN	USA	2008
4:18.44	TIM BRODERICK	USA	1996	1:06.39	CHRIS WEISSMAN	USA	2007	2:15.31	MARCO COLOMBO	ITA	2007
800 M. FREE				1:06.48	GLEN CHRISTIANSEN	SWE	2004	2:15.39	DAVE TOWN	CAN	2008
8:42.76	KAI DITZEL	GER	2008	1:07.77	GREGORY OXLEY	USA	2003	2:15.56	EDWIN VAN NORDEN	NED	2008
8:46.79	MICHAEL KLEIBER	GER	2008	1:07.88	JON BLANK	USA	2007	2:16.56	PAUL SMITH	USA	2004
8:49.03	MICHAEL SCHMIDT	USA	2008	1:08.09	LEE RIDER	USA	2001	2:16.68	PETER WIESE	GER	2006
8:50.30	MARCO COLOMBO	ITA	2008					2:16.93	LEN GUSHE	CAN	2008
8:52.40	GERRY RODRIGUES	USA	2007								
8:52.62	B.BORDONALI	ITA	2008								



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2:16.97	TOM REUDY	USA	1999	9:12.81	R TOD SPIEKER	USA	1998	1:10.23	DON MC KENZIE	USA	1997
2:16.99	AL JAEGERS	USA	2008	9:15.50	SCOTT SHAKE	USA	2008	1:10.53	SPENCER ELDRED	USA	2007
400 M. I.M.				9:17.45	SIMON VEALE	GBR	2006	1:11.07	DAVE FREEMAN	CAN	2008
4:48.12	MICHAEL SCHMIDT	USA	2008	9:22.31	STEVEN PRESCOTT	NZL	2008	1:11.09	JACK GROSELLE	USA	2007
4:48.17	LEN GUSHE	CAN	2008	9:24.76	LARRY KRAUSER	USA	2003	1:11.61	GERHARD AMMER	GER	2008
4:48.75	A.TIBERTI	ITA	2008	9:27.32	MARC JOUANDON	FRA	2007	200 M. BRST			
4:48.97	LINCOLN DJANG	USA	2004	1500 M. FREE				2:32.78	BENN DOYLE	USA	2008
4:53.84	DAVE TOWN	CAN	2007	16:33.02	JIM MCCONICA	USA	2000	2:33.71	LORENZO MARUGO	ITA	2004
4:54.89	SIMON VEALE	GBR	2004	17:14.75	MARK DRENNEN	USA	2007	2:34.71	ROBERT STRAND	USA	1996
4:55.44	DARREN PHELAN	USA	2008	17:32.20	JIM CLEMMONS	USA	2001	2:35.88	TOM REUDY	USA	2006
4:56.40	PAUL CARTER	USA	2004	17:33.73	FRANCIS CHRISTIAN	AUS	2008	2:36.14	PATRICK ALLENDER	USA	2008
4:57.31	GREG DOZER	USA	2002	17:34.08	SIMON VEALE	GBR	2007	2:36.57	TIMOTHY SHEAD	RSA	2002
4:57.34	TOM REUDY	USA	1999	17:36.51	R TOD SPIEKER	USA	1999	2:36.78	GLEN CHRISTIANSEN	SWE	2007
*****				17:48.71	LARRY KRAUSER	USA	2003	2:37.34	SPENCER ELDRED	USA	2007
M E N 50-54				17:58.01	LARRY WOOD	USA	2004	2:37.63	WOLFGANG PIRL	GER	2008
*****				18:04.37	STEVEN PRESCOTT	NZL	2004	2:38.59	DAN FILGIANO	CAN	2008
*****				18:07.37	GLENN CARLSEN	CAN	2008	50 M. FLY			
50 M. FREE				50 M. BACK				26.12	PAUL CARTER	USA	2007
24.02	BRENT BARNES	SIN	2008	28.96	V.GALAVTINE	FRA	2004	26.78	FRITZ HOMANS	USA	2008
24.26	PAUL TREVISAN	USA	2003	29.04	PHILIPP DJANG	USA	2008	26.79	GREG SHAW	USA	2003
24.74	V.GALAVTINE	FRA	2003	29.20	MIKE MCINTYRE	CAN	2004	27.04	DONALD GRAHAM	USA	2006
24.86	PHILIPPE MORELLE	BEL	2006	29.23	JOHN VAN BUUREN	CAN	2004	27.28	MARIO LLORET	ESP	2007
25.00	LARRY KRAUSER	USA	2003	29.30	TOM WOLF	USA	2004	27.30	JOHN VAN BUUREN	CAN	2004
25.08	KEVIN DEFORREST	USA	2008	29.31	SCOTT SHAKE	USA	2008	27.33	KEVIN DEFORREST	USA	2008
25.09	EMIL PLESNIK	GER	1993	29.38	WIESLAW MUSIAL	CAN	2007	27.35	P.MAGNUSSON	SWE	2008
25.14	BARRY ROTH	USA	2005	29.50	HUGH WILDER	USA	1997	27.36	MARK CROSHIER	USA	2008
25.21	JOHN FERRIS	USA	2000	29.56	JONATHAN KLEIN	USA	2007	27.45	PHILIPPE MORELLE	BEL	2007
25.26	M.STINCHCOMBE	USA	2008	29.68	MARIO LLORET	ESP	2007	100 M. FLY			
100 M. FREE				100 M. BACK				57.29	PAUL CARTER	USA	2007
54.61	PAUL TREVISAN	USA	2003	1:01.48	TOM WOLF	USA	2004	59.91	HUGO BREGMAN	NED	2008
55.35	JACK GROSELLE	USA	2007	1:02.39	V.GALAVTINE	FRA	2004	1:00.08	JOHN MCCALL	USA	2003
55.37	LEE MENCH	USA	2003	1:02.92	WIESLAW MUSIAL	CAN	2007	1:00.27	FRITZ HOMANS	USA	2008
55.51	LARRY KRAUSER	USA	2003	1:03.43	PHILIPP DJANG	USA	2008	1:00.32	GREG SHAW	USA	2005
55.67	FRITZ HOMANS	USA	2008	1:04.17	HUGH WILDER	USA	1997	1:00.82	JOHN VAN BUUREN	CAN	2005
55.71	BRUCE ROBERTSON	CAN	2003	1:04.31	MARIO LLORET	ESP	2007	1:01.06	WILLIAM SPECHT	USA	2008
55.81	JIM MC CONICA	USA	2001	1:04.40	SCOTT SHAKE	USA	2008	1:01.40	ROBERT HANSEN	USA	2004
55.81	TERRY DOWNES	RSA	1999	1:04.52	JOHN VAN BUUREN	CAN	2005	1:01.52	JOHN MORALES	USA	2008
55.83	PHILIPPE MORELLE	BEL	2006	1:04.92	JONATHAN KLEIN	USA	2008	1:01.60	MARIO LLORET	ESP	2007
55.95	JOHN VAN BUUREN	CAN	2005	1:05.05	TIM BIRNIE	USA	1997	200 M. FLY			
55.95	ALEXANDER MILLS	GBR	2005	200 M. BACK				2:13.00	HUGO BREGMAN	NED	2008
200 M. FREE				2:13.51	WIESLAW MUSIAL	CAN	2007	2:18.02	SCOTT LAUTMAN	USA	2004
1:58.37	JIM MCCONICA	USA	2000	2:14.03	TOM WOLF	USA	2004	2:18.31	WILLIAM SPECHT	USA	2008
2:02.87	BOB BUGG	USA	2007	2:15.10	SCOTT SHAKE	USA	2008	2:18.88	JOHN CRAIG	USA	2004
2:03.10	LARRY KRAUSER	USA	2003	2:20.01	PHILIPP DJANG	USA	2005	2:19.51	FRANCIS CHRISTIAN	AUS	2007
2:03.74	JACK GROSELLE	USA	2007	2:20.42	R TOD SPIEKER	USA	1999	2:20.26	GREG SHAW	USA	2003
2:03.80	LEE MENCH	USA	2003	2:20.86	JIM MC CONICA	USA	2002	2:20.86	JIM OCONNOR	USA	2003
2:03.94	MARK DRENNEN	USA	2006	2:22.12	MIKE MCINTYRE	CAN	2004	2:21.58	BOO GRANER GALLAS	USA	1997
2:04.46	BRUCE ROBERTSON	CAN	2003	2:22.42	TOM BARTON	USA	2008	2:21.64	SEIICHI YARITA	JPN	2007
2:04.63	FRANCIS CHRISTIAN	AUS	2007	2:22.52	JOHN RITTENHOUSE	GBR	2008	2:21.70	BART MCDERMOTT	USA	2006
2:04.73	BRADFORD GANDEE	USA	2006	2:22.59	V.GALAVTINE	FRA	2004	100 M. I.M.			
2:05.27	SIMON VEALE	GBR	2006	50 M. BRST				1:02.51	KEN SHILLING	USA	2008
400 M. FREE				31.06	RONNY OLTNER	SWE	2007	1:03.32	MARIO LLORET	ESP	2007
4:07.99	JIM MCCONICA	USA	2000	31.08	BENN DOYLE	USA	2008	1:03.54	TIMOTHY SHEAD	RSA	2002
4:18.96	MARK DRENNEN	USA	2006	31.24	DON MC KENZIE	USA	1997	1:03.57	TOM WOLF	USA	2004
4:21.85	FRANCIS CHRISTIAN	AUS	2008	31.46	GLEN CHRISTIANSEN	DEN	2008	1:03.61	JOHN VAN BUUREN	CAN	2005
4:26.37	LARRY KRAUSER	USA	2003	31.72	TIMOTHY SHEAD	RSA	2002	1:03.65	TOM REUDY	USA	2006
4:27.55	JIM CLEMMONS	USA	2002	31.76	EDWARD PINHEIRO	BRA	2001	1:03.75	GREG SHAW	USA	2003
4:28.64	LEE MENCH	USA	2003	31.81	SPENCER ELDRED	USA	2007	1:04.15	SCOTT SHAKE	USA	2008
4:28.84	R TOD SPIEKER	USA	1999	31.95	GERHARD AMMER	GER	2008	1:04.35	PAUL CARTER	USA	2007
4:28.95	JOHN MORALES	USA	2008	31.95	ROBERT STRAND	USA	1998	1:04.45	RONNY OLTNER	SWE	2006
4:29.87	SIMON VEALE	GBR	2006	32.17	BILL BRENNER	USA	2008	200 M. I.M.			
4:30.71	TIM ERICKSON	USA	2006	100 M. BRST				2:14.53	KEN SHILLING	USA	2008
800 M. FREE				1:08.27	BENN DOYLE	USA	2008	2:17.48	PAUL CARTER	USA	2007
8:44.51	JIM MCCONICA	USA	2000	1:08.97	RONNY OLTNER	SWE	2007	2:18.68	SIMON VEALE	GBR	2006
8:53.48	MARK DRENNEN	USA	2006	1:09.01	GLEN CHRISTIANSEN	SWE	2007	2:18.71	SCOTT SHAKE	USA	2008
9:04.68	FRANCIS CHRISTIAN	AUS	2008	1:09.88	TIMOTHY SHEAD	RSA	2002	2:19.27	TOM WOLF	USA	2004
9:11.92	JIM CLEMMONS	USA	2002	1:09.96	ROBERT STRAND	USA	1996	2:19.63	TOM REUDY	USA	2006



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2:20.35	GREG SHAW	USA	2003	9:25.93	JIM CLEMMONS	USA	2008	1:13.54	C.STARZEC	FRA	2005
2:20.68	JOHN FERRIS	USA	2000	9:32.94	D.UIJTENBOGAART	NED	2002	1:14.44	JIM CLEMMONS	USA	2008
2:21.49	ROBERT WEYHENKE	NED	2005	9:34.33	JEAN CHATARD	FRA	2007	1:14.53	DANIEL ROGACKI	USA	2002
2:22.04	JIM MC CONICA	USA	2002	9:34.94	JOHN CALVERT	USA	2001	1:14.66	ALLEN STARK	USA	2008
400 M. I.M.				9:36.02	JOEL KRIGER	BRA	2008	1:14.88	HIROKAZU AOYAMA	JPN	2007
4:57.52	LORENZO MARUGO	ITA	2004	9:42.09	RICK WALKER	USA	2005	1:15.03	HUBIE KERNS	USA	2008
4:58.93	JIM MC CONICA	USA	2001	9:47.45	SANDY GALLETTY	GBR	1997	1:15.25	TOSHIHARU FUJII	JPN	2005
4:59.39	MARK DRENNEN	USA	2006	1500 M. FREE				200 M. BRST			
5:03.97	HUGO BREGMAN	NED	2008	17:14.15	JAMES MCCONICA	USA	2005	2:38.76	ROBERT STRAND	USA	2001
5:03.99	TOM REUDY	USA	2006	17:35.21	TOD SPIEKER	USA	2003	2:38.90	TIM SHEAD	RSA	2007
5:04.49	SIMON VEALE	GBR	2006	17:56.15	J.CHATARD	FRA	2006	2:40.52	ROBERT WEYHENKE	NED	2007
5:05.09	GREG SHAW	USA	2003	18:02.40	JIM CLEMMONS	USA	2005	2:42.58	JIM CLEMMONS	USA	2008
5:06.10	JOHN MORALES	USA	2008	18:27.16	D.UIJTENBOGAART	NED	2002	2:44.00	HIROKAZU AOYAMA	JPN	2007
5:06.89	JIM CLEMMONS	USA	2003	18:32.32	RICK WALKER	USA	2008	2:44.17	TAKEO HIRAMOTO	JPN	2007
5:09.10	VOLKER MENDE	GER	2007	18:40.59	LARRY KRAUSER	USA	2008	2:45.16	JOHN GORDON	GBR	2001
				18:43.40	JACK MARTIN	USA	2006	2:46.00	GRAHAM PEARSON	GBR	2007
*****				18:51.69	JAMES MCCLEERY	USA	2003	2:46.29	ALLEN STARK	USA	2008
M E N 55-59				18:51.83	SANDY GALLETTY	GBR	1998	2:46.48	LORENZO MARUGO	ITA	2007
*****				50 M. BACK				50 M. FLY			
50 M. FREE				29.41	ALISTAIR COCKBURN	USA	2008	26.96	GREG SHAW	USA	2007
24.70	PAUL TREVISAN	USA	2006	30.15	CASEY CLAFLIN	USA	2008	27.21	STEVE BOROWSKI	USA	2002
25.00	RICH ABRAHAMS	USA	2001	30.25	HUGH WILDER	USA	2003	27.58	KEVIN MCCORMACK	USA	2008
25.55	STEVE BOROWSKI	USA	2002	30.35	ROBERT SMITH	USA	1999	27.74	RICH ABRAHAMS	USA	2001
25.73	ALEXANDER MILLS	GBR	2006	30.40	TIM BIRNIE	USA	2000	28.19	LEONARD BIELICZ	SWE	2006
25.80	LEONARD BIELICZ	SWE	2007	30.42	GREG SHAW	USA	2008	28.24	DAVE WILKIN	CAN	2007
25.87	TOM GEIMAN	USA	2004	30.53	WES EDWARDS	USA	2008	28.31	TOM GEIMAN	USA	2004
25.94	MIKE TENNANT	USA	2008	30.56	HEINZ BOKNECHT	GER	1995	28.37	JOEL BURNS	USA	2001
26.08	ROLF AUST	GER	2008	30.66	TAKEO HIRAMOTO	JPN	2008	28.52	ALISTAIR COCKBURN	USA	2008
26.18	DAVE WILKIN	CAN	2007	30.72	JIM ADAMS	IRL	2007	28.57	JIM DRAGON	USA	1999
26.25	CASEY CLAFLIN	USA	2008	100 M. BACK				100 M. FLY			
100 M. FREE				1:04.89	TIM BIRNIE	USA	2000	1:00.35	GREG SHAW	USA	2006
55.12	PAUL TREVISAN	USA	2006	1:05.53	JIM ADAMS	IRL	2007	1:02.74	STEVE BOROWSKI	USA	2002
56.51	RICH ABRAHAMS	USA	2001	1:05.56	HUGH WILDER	USA	2002	1:03.51	LEONARD BIELICZ	SWE	2006
56.74	STEVE BOROWSKI	USA	2002	1:06.05	WES EDWARDS	USA	2008	1:03.53	KEVIN MCCORMACK	USA	2008
57.30	S.D'ALESSANDRO	ITA	1995	1:06.94	ALISTAIR COCKBURN	USA	2008	1:03.72	SHIGEO ASANO	JPN	2004
57.52	MIKE TENNANT	USA	2008	1:07.16	TIM SHEAD	RSA	2008	1:03.78	RICH ABRAHAMS	USA	2001
57.85	MICHAEL AHERN	USA	2000	1:07.40	CASEY CLAFLIN	USA	2008	1:04.00	TIM SHEAD	USA	2007
58.25	TOM GEIMAN	USA	2004	1:07.76	MARK PUGLIESE	USA	2007	1:04.37	ERIC HENDERSON	GBR	2005
58.27	ALEXANDER MILLS	NOR	2007	1:08.31	TAKEO HIRAMOTO	JPN	2008	1:04.38	DAVE DICKSON	CAN	2008
58.46	GREG SHAW	USA	2007	1:08.34	RICHARD BURNS	USA	1998	1:04.55	C.STARZEC	FRA	2005
58.50	DAVE WILKIN	CAN	2007	200 M. BACK				200 M. FLY			
200 M. FREE				2:20.59	JAMES MCCONICA	USA	2005	2:21.90	GREG SHAW	USA	2007
2:03.40	S.D'ALESSANDRO	ITA	1995	2:21.80	TOD SPIEKER	USA	2003	2:22.13	JAMES MCCONICA	USA	2005
2:03.64	JAMES MCCONICA	USA	2005	2:22.25	JIM ADAMS	NED	2006	2:22.73	FRED SCHLICHER	USA	2003
2:06.20	TOD SPIEKER	USA	2003	2:24.72	TIM BIRNIE	USA	2000	2:25.95	SCOTT LAUTMAN	USA	2008
2:06.94	TIM BIRNIE	USA	2000	2:25.81	FRED FERROGGIARO	USA	2008	2:28.52	ROBERT POILETMAN	USA	2001
2:06.97	PHIL DODSON	USA	2008	2:26.64	JOHN CALVERT	USA	2000	2:31.04	TAKEO HIRAMOTO	JPN	2006
2:07.78	JIM CLEMMONS	USA	2008	2:29.11	TIM SHEAD	RSA	2007	2:32.98	JIM CLEMMONS	USA	2008
2:08.28	J.CHATARD	FRA	2006	2:29.64	HUGH WILDER	USA	2004	2:33.27	DOUGLAS MILLER	USA	2005
2:09.76	DUNCAN MCCREADIE	GBR	2002	2:30.62	WES EDWARDS	USA	2008	2:34.64	JEAN-MARIE CADIAT	BEL	2008
2:10.08	JEAN CHATARD	FRA	2007	2:30.92	EDDIE RIACH	GBR	2008	2:35.30	JOEL BURNS	USA	2001
2:10.93	JOEL KRIGER	BRA	2008	50 M. BRST				100 M. I.M.			
400 M. FREE				32.18	ROBERT STRAND	USA	2001	1:03.53	TIM SHEAD	RSA	2007
4:24.92	JIM MCCONICA	USA	2006	32.44	ALEXANDER MILLS	NOR	2006	1:03.69	GREG SHAW	USA	2008
4:28.73	TOD SPIEKER	USA	2003	32.69	TIM SHEAD	RSA	2008	1:04.34	ROBERT WEYHENKE	NED	2007
4:28.97	J.CHATARD	FRA	2006	33.03	C.STARZEC	FRA	2005	1:06.09	ALISTAIR COCKBURN	USA	2008
4:32.83	TIM BIRNIE	USA	2000	33.07	ROBERT WEYHENKE	NED	2008	1:06.13	ALEXANDER MILLS	NOR	2006
4:35.22	JIM CLEMMONS	USA	2008	33.16	STUART ELLICOTT	AUS	2008	1:06.29	GEORGE SCHMIDT	USA	2008
4:36.79	LARRY KRAUSER	USA	2008	33.17	HIROSHI KOTEGAWA	JPN	1993	1:06.45	DANIEL ROGACKI	USA	2002
4:36.89	JOHN CALVERT	USA	2001	33.54	PETER ANDERSEN	USA	1999	1:06.71	DAVE WILKIN	CAN	2007
4:37.61	PHIL DODSON	USA	2008	33.73	ALLEN STARK	USA	2007	1:07.15	ROBERT STRAND	USA	2001
4:39.14	JOEL KRIGER	BRA	2008	33.77	TOSHIHARU FUJII	JPN	2005	1:07.42	LEONARD BIELICZ	SWE	2006
4:39.95	DUNCAN MCCREADIE	GBR	2001	33.77	MANUEL SANGUILY	USA	1989	200 M. I.M.			
800 M. FREE				100 M. BRST				2:21.05	GREG SHAW	USA	2006
9:03.00	JIM MCCONICA	USA	2006	1:10.50	TIM SHEAD	RSA	2007	2:23.49	ROBERT WEYHENKE	NED	2007
9:07.40	G.SCARAMEL	ITA	2008	1:11.53	ROBERT STRAND	USA	2001	2:24.64	TIM SHEAD	RSA	2007
9:13.15	TOD SPIEKER	USA	2003	1:12.67	ROBERT WEYHENKE	NED	2008	2:25.63	JIM CLEMMONS	USA	2008



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2:26.70	JAMES MCCONICA	USA	2005	9:51.72	SANDY GALLETLY	GBR	2002	1:16.56	PETER ANDERSEN	USA	2003	
2:27.19	JOHN CALVERT	USA	2000	9:58.02	VITTORIO ERMIRIO	ITA	2005	1:16.89	DAVID GILDEA	USA	2003	
2:27.94	FRED SCHLICHER	USA	2003	9:58.99	JAMES MCCLEERY	USA	2006	1:17.30	JOZEF KLUKOWSKI	POL	2007	
2:29.17	DANIEL ROGACKI	USA	2002	10:01.28	GEORGE WENDT	USA	2007	1:17.85	JACK KELSO	CAN	1999	
2:30.74	DAVE DICKSON	CAN	2008	10:06.73	JEAN LESTIDEAU	FRA	2007	1:17.97	GERSHON SHEFA	ISR	2003	
2:30.83	TAKEO HIRAMOTO	JPN	2005	10:09.96	D.UIJTENBOGAART	NED	2007	1:18.08	DRURY GALLAGHER	USA	1998	
	400 M. I.M.			10:10.78	DRURY GALLAGHER	USA	1998	1:18.34	KENNETH FROST JR	USA	2008	
5:05.40	LORENZO MARUGO	ITA	2007	10:17.44	FRANK MCELROY	USA	2008	1:18.51	YOSHITADA MAEDA	JPN	2008	
5:08.15	JAMES MCCONICA	USA	2005	10:17.45	EDWARD CAZALET	USA	2003		200 M. BRST			
5:11.49	GREG SHAW	USA	2007		1500 M. FREE			2:43.32	ROBERT STRAND	USA	2008	
5:13.29	R TOD SPIEKER	USA	2003	18:50.59	JAMES MCCLEERY	USA	2007	2:50.40	GEORGE WENDT	USA	2008	
5:13.35	JIM CLEMMONS	USA	2008	18:54.83	DUNCAN MCCREADIE	GBR	2005	2:53.05	DRURY GALLAGHER	USA	1998	
5:21.89	EDDIE RIAELL	GBR	2008	19:01.87	SANDY GALLETLY	GBR	2002	2:53.21	DAVID GILDEA	USA	2003	
5:23.15	RON ARMSTRONG	CAN	2006	19:03.57	VITTORIO ERMIRIO	ITA	2003	2:53.45	KENNETH FROST	USA	2004	
5:24.30	DAVE DICKSON	CAN	2008	19:05.60	JEAN LESTIDEAU	FRA	2007	2:53.65	PETER ANDERSEN	USA	2003	
5:26.62	MIKE MORROW	CAN	2005	19:14.86	R TOD SPIEKER	USA	2008	2:55.92	PAUL WYATT	AUS	2006	
5:28.51	D.UIJTENBOGAART	NED	2002	19:15.89	EDWARD CAZALET	USA	2003	2:56.18	MICHAEL MOLONEY	AUS	1999	
				19:23.14	D.UIJTENBOGAART	NED	2007	2:56.26	GEOFFREY THWAITES	GBR	2007	
				19:46.65	BOB BRUCE	USA	2008	2:56.90	RAINER OPITZ	GER	2002	
*****				19:48.44	GRAHAM JOHNSTON	USA	1995		50 M. FLY			
	M E N 60-64				50 M. BACK			27.87	RICHARD ABRAHAMS	USA	2008	
*****					30.87	HUGH WILDER	USA	2007	29.04	JIM DRAGON	USA	2007
	50 M. FREE				31.31	ROBERT SMITH	USA	2004	29.13	JOSEP CLARET	ESP	2004
24.90	RICH ABRAHAMS	USA	2006		31.65	RICHARD BURNS	USA	2003	29.30	KENJI NAKAMATSU	JPN	2008
26.18	RAGNAR JENSEN	NOR	2008		31.67	JEAN LESTIDEAU	FRA	2008	29.42	SHIGEO ASANO	JPN	2008
26.31	JEFF FARRELL	USA	2000		32.56	VINUS VAN BAALEN	CAN	2002	29.48	BRYAN BATEMAN	USA	2008
26.52	ROBERT SMITH	USA	2003		33.07	RICHARD ALEXANDER	USA	2004	29.48	ALBERT BACKES	GER	1995
27.03	VINUS VANBAALEN	USA	2003		33.09	JOSEF CSIKANY	HUN	2005	29.50	JEAN LESTIDEAU	FRA	2008
27.04	IAN SMITH	CAN	2005		33.12	LUCIEN GAUCHE	FRA	2002	29.68	KOJI IWAMOTO	JPN	2002
27.06	JIM DRAGON	USA	2007		33.14	LUIZ FIGUEIREDO	BRA	2004	29.70	ERIC HENDERSON	GBR	2008
27.06	KATSUKI ISHIHARA	JPN	2000		33.17	GREGORY GUSH	USA	2008		100 M. FLY		
27.27	ALAN BROWN	AUS	2006		100 M. BACK			1:03.76	RICH ABRAHAMS	USA	2006	
27.34	DAVID QUIGGIN	USA	2008		1:07.37	HUGH WILDER	USA	2007	1:05.57	FRED SCHLICHER	USA	2008
100 M. FREE					1:08.85	RICHARD BURNS	USA	2003	1:06.70	J.LESTIDEAU	FRA	2006
56.63	RICHARD ABRAHAMS	USA	2008		1:09.20	ROBERT SMITH	USA	2004	1:06.74	ROBERT POILETMAN	USA	2003
58.87	BRYAN BATEMAN	USA	2008		1:11.07	BRYAN BATEMAN	USA	2008	1:06.89	KOJI IWAMOTO	JPN	2002
59.90	DAVID QUIGGIN	USA	2004		1:12.06	GARY CHASE	USA	2002	1:06.96	JOSEP CLARET	ESP	2007
1:00.09	FRED SCHLICHER	USA	2008		1:12.55	GREGORY GUSH	USA	2008	1:07.50	SHIGEO ASANO	JPN	2008
1:00.24	JEFF FARRELL	USA	2000		1:12.56	J.LESTIDEAU	FRA	2006	1:07.60	ERIC HENDERSON	GBR	2008
1:00.82	GRAHAM CROFT	AUS	2008		1:13.49	KURT FREI	SUI	2006	1:08.33	DON MCINTOSH	USA	2003
1:00.93	RICHARD KITTEL	USA	2008		1:13.55	JACK BEATTIE	USA	1994	1:08.81	KIERAN KELLEHER	USA	2008
1:01.05	DUNCAN MCCREADIE	GBR	2005		1:13.66	BARRY YOUNG	NZL	2001		200 M. FLY		
1:01.15	ALAN BROWN	AUS	2006		200 M. BACK			2:30.18	FRED SCHLICHER	USA	2008	
1:01.16	FRANK HESBACHER	GER	2008		2:30.96	JOHN CALVERT	USA	2005	2:32.76	JEAN LESTIDEAU	FRA	2007
200 M. FREE					2:34.17	RICHARD BURNS	USA	2003	2:34.65	ROBERT POILETMAN	USA	2003
2:10.04	FRED SCHLICHER	USA	2008		2:34.71	HUGH WILDER	USA	2007	2:37.79	DEREK PARR	GBR	2005
2:11.78	DUNCAN MCCREADIE	GBR	2006		2:36.88	EDWARD CAZALET	USA	2003	2:37.97	KOJI IWAMOTO	JPN	2002
2:12.14	BERT VOSBERGEN	AUS	2008		2:37.11	DON MCINTOSH	USA	2003	2:39.25	DOUGLAS MILLER	USA	2007
2:12.18	JOHN CALVERT	USA	2005		2:37.23	JOSEF CSIKANY	HUN	2005	2:46.18	GUNTER SCHOPKE	GER	2000
2:14.22	RICH ABRAHAMS	USA	2006		2:37.63	BARRY YOUNG	NZL	2001	2:47.02	VICTOR PAUL	AUS	2008
2:15.84	TOM LANDIS	USA	2002		2:40.05	JEAN LESTIDEAU	FRA	2008	2:47.52	HUGH RODDIN	USA	2002
2:15.86	RICHARD KITTEL	USA	2008		2:40.16	IVAN MYALL	GBR	2008	2:47.61	RICHARD KITCHELL	USA	2004
2:16.05	EDWARD RUDLOFF JR	USA	2008		2:40.75	JACK BEATTIE	USA	1994		100 M. I.M.		
2:17.16	JEAN LESTIDEAU	FRA	2007		50 M. BRST			1:07.88	BRYAN BATEMAN	USA	2008	
2:17.36	DRURY GALLAGHER	USA	1998		32.79	ROBERT STRAND	USA	2008	1:08.05	ROBERT STRAND	USA	2008
400 M. FREE					33.64	YOSHIHIKO OSAKI	JPN	2000	1:09.39	ROBERT SMITH	USA	2003
4:40.45	DUNCAN MCCREADIE	GBR	2006		33.71	PETER ANDERSEN	USA	2003	1:09.72	RICH ABRAHAMS	USA	2006
4:43.69	JOHN CALVERT	USA	2005		34.24	GERSHON SHEFA	ISR	2003	1:09.93	JACK KELSO	CAN	1999
4:47.16	JEAN LESTIDEAU	FRA	2007		34.41	HIROSHI KOTEGAWA	JPN	1996	1:09.95	DRURY GALLAGHER	USA	1998
4:47.93	SANDY GALLETLY	GBR	2002		34.54	AKIO SUGIYAMA	JPN	1995	1:10.34	BRUCE MOHL	USA	2006
4:50.38	GEORGE WENDT	USA	2008		34.55	JOZEF KLUKOWSKI	POL	2007	1:10.37	JEAN LESTIDEAU	FRA	2008
4:51.83	EDWARD RUDLOFF JR	USA	2008		34.68	DIETER HOFEL	GER	2006	1:11.10	KOJI IWAMOTO	JPN	2002
4:51.98	VITTORIO ERMIRIO	ITA	2003		34.76	OSAMU MAEDA	JPN	2006	1:11.21	GERSHON SHEFA	ISR	2003
4:52.64	FRANK MCELROY	USA	2008		34.88	EGON HENNINGER	GER	2000		200 M. I.M.		
4:54.94	DRURY GALLAGHER	USA	1998		100 M. BRST			2:30.48	JOHN CALVERT	USA	2005	
4:55.70	D.UIJTENBOGAART	NED	2007		1:13.33	ROBERT STRAND	USA	2008	2:30.56	FRED SCHLICHER	USA	2008
800 M. FREE					1:15.92	ALBERT KOSTITSIN	FIN	2002	2:34.30	JEAN LESTIDEAU	FRA	2007
9:43.83	DUNCAN MCCREADIE	GBR	2005									



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2:35.04	JACK KELSO	CAN	1999	10:16.06	VITTORIO ERMIRIO	ITA	2007	1:18.66	RICHARD TODD	USA	2008
2:35.12	DUNCAN MCCREADIE	GBR	2005	10:21.09	TOM LANDIS	USA	2008	1:20.36	THOMAS JOHNSON	GBR	2007
2:35.84	GEORGE WENDT	USA	2008	10:35.13	GRAHAM JOHNSTON	USA	1996	1:20.41	GERSHON SHEFA	ISR	2008
2:35.95	EDWARD CAZALET	USA	2003	10:40.13	JOACHIM HINTZE	GER	2007	1:21.32	LOUIS KRONFELD	USA	2008
2:37.14	GERSHON SHEFA	ISR	2003	10:44.95	DAVID HARRISON	USA	2002	1:21.34	NICK TEMPLEMAN	CAN	1996
2:37.28	ROBERT STRAND	USA	2007	10:45.50	DICK STEWART	USA	2006	1:21.55	BERND WUNSCH	GER	2003
2:38.74	BRUCE MOHL	USA	2007	10:50.08	RAYMOND STOKES	GBR	2004	1:22.10	HANS REICHEL	GER	2004
400 M. I.M.				10:56.30	FABRIZIO MOMONI	ITA	2003	1:22.11	JACK KELSO	CAN	2007
5:25.65	NICK LECLERCQ	USA	2006	11:06.60	LARRY RAFFAELLI	USA	2008	1:22.23	YOSHIKI AOKI	JPN	2005
5:34.43	EDWARD CAZALET	USA	2003	11:06.67	BURWELL JONES	USA	2002	200 M. BRST			
5:35.46	J.LESTIDEAU	FRA	2006	1500 M. FREE				2:54.56	GERSHON SHEFA	ISR	2008
5:38.91	SANDY GALLETLY	GBR	2002	19:32.78	TOM LANDIS	USA	2007	2:56.84	DAVID GILDEA	USA	2008
5:39.12	DRURY GALLAGHER	USA	1999	19:41.85	VITTORIO ERMIRIO	ITA	2007	2:59.11	RICHARD TODD	USA	2007
5:39.61	GEORGE WENDT	USA	2007	19:53.18	GRAHAM JOHNSTON	USA	1996	2:59.55	YOSHIKI AOKI	JPN	2005
5:40.51	DOUG MILLER	USA	2006	20:36.17	DICK STEWART	USA	2006	3:00.13	MIKE FRESHLEY	USA	2006
5:42.86	DUNCAN MCCREADIE	GBR	2005	20:49.25	ERNIE LESKOVITZ	USA	2003	3:00.27	MICHAEL MOLONEY	AUS	2004
5:45.51	D.UJTENBOGAART	NED	2007	20:54.80	BURWELL JONES	USA	2002	3:02.15	HANS REICHEL	GER	2004
5:46.43	PAUL WYATT	AUS	2006	20:56.70	FABRIZIO MOMONI	ITA	2003	3:03.31	TOM WALKER	GBR	2000
*****				20:58.60	DAVID HARRISON	USA	2002	3:05.19	TONY GOODWIN	AUS	2002
M E N 65-69				21:03.09	TONY CHERRINGTON	GBR	2007	3:05.24	PETER BELL	CAN	2000
*****				21:18.33	ALEX GALLETLY	GBR	2007	50 M. FLY			
50 M. FREE				50 M. BACK				29.79	KEEFE LODWIG	USA	2008
26.68	KEEFE LODWIG	USA	2008	31.64	RICHARD BURNS	USA	2008	30.54	GEORGES KOESSLER	FRA	2007
26.73	VINUS VAN BAALEN	CAN	2007	32.32	VINUS VAN BAALEN	USA	2008	30.62	TOMOYASU IIDA	JPN	2006
27.05	JEFF FARRELL	USA	2002	32.35	LUIZ FIGUEIREDO	BRA	2006	30.70	BOB BAILIE	USA	2001
27.36	IAN SMITH	CAN	2006	32.76	ROBERT SMITH	USA	2008	30.71	BERT PETERSEN	USA	2003
27.68	CAV CAVANAUGH	USA	2000	33.38	YOSHI OYAKAWA	USA	1999	30.87	RICHARD BURNS	USA	2008
27.80	PETER BERGENGREN	SWE	2003	33.90	GARY CHASE	USA	2005	31.27	PETER BERGENGREN	SWE	2003
28.02	RONALD JOHNSON	USA	1998	34.43	FRANS VAN ENST	NED	2005	31.28	KOJI IWAMOTO	JPN	2007
28.04	KATSUKI ISHIHARA	JPN	2004	34.59	LUCIEN GAUCHE	FRA	2007	31.28	MIKE FRESHLEY	USA	2006
28.17	ROBERT SMITH	USA	2008	34.71	KARL DONOGHUE	CAN	2005	31.36	BERND SCHRODER	GER	2008
28.24	BOB BAILIE	USA	2001	34.74	MASAO KIJIMA	JPN	2007	100 M. FLY			
100 M. FREE				100 M. BACK				1:10.07	ROBERT POILETMAN	USA	2008
59.60	KEEFE LODWIG	USA	2008	1:10.66	RICHARD BURNS	USA	2008	1:10.25	RICHARD BURNS	USA	2008
1:01.13	RICHARD BURNS	USA	2008	1:12.36	BERND HORSTMANN	GER	2007	1:10.81	KOJI IWAMOTO	JPN	2007
1:01.36	JEFF FARRELL	USA	2002	1:13.11	ROBERT SMITH	USA	2008	1:11.45	KEEFE LODWIG	USA	2008
1:02.12	TOM LANDIS	USA	2007	1:14.04	BARRY YOUNG	NZL	2004	1:11.89	TOMOYASU IIDA	JPN	2007
1:02.24	PETER BERGENGREN	SWE	2003	1:14.66	YOSHI OYAKAWA	USA	1998	1:12.41	CHITOSHI KONISHI	JPN	2005
1:02.41	CAV CAVANAUGH	USA	2000	1:14.69	LUIZ FIGUEIREDO	BRA	2006	1:13.32	BERT PETERSEN	USA	2003
1:02.50	VINUS VAN BAALEN	CAN	2007	1:15.54	VINUS VAN BAALEN	USA	2007	1:13.69	BERND SCHRODER	GER	2008
1:02.65	LUIZ FIGUEIREDO	BRA	2006	1:16.12	S.SEKIKAWA	JPN	1998	1:13.93	YOICHI AOKI	JPN	2006
1:02.77	ROBERTO ALBERICHE	ESP	1996	1:16.77	BURWELL JONES	USA	2002	1:14.38	HUGH RODDIN	USA	2008
1:02.84	IAN SMITH	CAN	2006	1:16.97	LUCIEN GAUCHE	FRA	2007	200 M. FLY			
200 M. FREE				200 M. BACK				2:38.71	ROBERT POILETMAN	USA	2008
2:16.27	KEEFE LODWIG	USA	2008	2:36.52	RICHARD BURNS	USA	2008	2:48.78	RICHARD KITCHELL	USA	2005
2:17.15	TOM LANDIS	USA	2008	2:37.65	BERND HORSTMANN	GER	2008	2:49.56	KOJI IWAMOTO	JPN	2007
2:18.54	RICHARD BURNS	USA	2008	2:44.62	LUIZ FIGUEIREDO	BRA	2006	2:53.93	JOACHIM HINTZE	GER	2008
2:18.71	JEFF FARRELL	USA	2002	2:45.56	GARY CHASE	USA	2005	2:57.23	TAISUKE MIYAZAKI	JPN	2004
2:21.65	VITTORIO ERMIRIO	ITA	2007	2:47.59	S.SEKIKAWA	JPN	1998	2:59.62	DAVID CUMMING	GBR	2004
2:22.07	GRAHAM JOHNSTON	USA	1997	2:48.33	RICHARD TODD	USA	2007	3:00.15	HUGH RODDIN	USA	2008
2:22.13	ROBERTO ALBERICHE	ESP	1996	2:50.75	BOB BARRY	AUS	1996	3:00.83	D MCLACHLAN	RSA	2002
2:24.37	TONY CHERRINGTON	GBR	2007	2:52.11	KARL DONOGHUE	CAN	2005	3:01.54	LUIS R. SIMI	BRA	2002
2:24.45	KAZUYA NISHINO	JPN	2002	2:52.12	ALAN JACKSON	GBR	2004	3:04.59	WILLIAM LETCH	GBR	2007
2:25.34	CAV CAVANAUGH	USA	2002	2:52.77	ROGER FRANKS	USA	1994	100 M. I.M.			
400 M. FREE				50 M. BRST				1:10.67	RICHARD BURNS	USA	2008
4:55.56	TOM LANDIS	USA	2007	34.55	LOUIS KRONFELD	USA	2008	1:12.51	JEFF FARRELL	USA	2002
4:59.03	VITTORIO ERMIRIO	ITA	2007	35.44	DAVID GILDEA	USA	2008	1:12.63	KOJI IWAMOTO	JPN	2007
5:06.60	FABRIZIO MOMONI	ITA	2003	35.46	HIROSHI KOTEGAWA	JPN	2001	1:13.90	BERND SCHRODER	GER	2008
5:09.09	GRAHAM JOHNSTON	USA	1996	35.67	PETER ANDERSEN	USA	2008	1:14.29	ROBERT SMITH	USA	2008
5:09.96	RAYMOND STOKES	GBR	2004	35.70	RICHARD TODD	USA	2008	1:14.42	HIROSHI NONAKA	JPN	2007
5:11.39	SUETAKA SAWADA	JPN	2008	36.07	MANUEL SANGUILY	USA	1998	1:14.91	VINUS VAN BAALEN	CAN	2007
5:11.98	DAVID HARRISON	USA	2002	36.32	EGON HENNINGER	GER	2005	1:14.93	JACK KELSO	CAN	2007
5:12.03	JOACHIM HINTZE	GER	2007	36.33	NICK TEMPLEMAN	CAN	1996	1:14.93	BERND HORSTMANN	GER	2007
5:12.62	DICK STEWART	USA	2006	36.38	AKIO SUGIYAMA	JPN	1999	1:14.99	MIKE FRESHLEY	USA	2006
5:15.40	TADANOBU YAMADA	JPN	2008	36.58	GERSHON SHEFA	ISR	2008	200 M. I.M.			
800 M. FREE				100 M. BRST				2:41.64	BERND HORSTMANN	GER	2008
				1:17.01	DAVID GILDEA	USA	2008	2:42.48	RICHARD BURNS	USA	2008



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2:43.49	MIKE FRESHLEY	USA	2006	800 M. FREE	1:23.70	HANS REICHELT	GER	2007			
2:44.33	KOJI IWAMOTO	JPN	2008	10:52.68	GRAHAM JOHNSTON	USA	2001	1:24.13	TONY GOODWIN	AUS	2007
2:46.35	JEFF FARRELL	USA	2002	11:01.38	DAVID RADCLIFF	USA	2007	1:24.13	TETSUO NAKAMARU	JPN	2005
2:48.63	RICHARD TODD	USA	2008	11:23.10	ERNIE LESKOVITZ	USA	2006	1:24.31	YOSHIAKI AOKI	JPN	2008
2:49.00	JACK KELSO	CAN	2007	11:25.65	JOHN CRISP	AUS	2005	1:25.11	RON JOHNSON	USA	2003
2:49.10	ROBERTO ALBERICHE	ESP	1996	11:30.41	IKURO SHIMONO	JPN	2007	1:25.34	KARL WIEDAMANN	USA	2008
2:50.58	VITTORIO ERMIRIO	ITA	2008	11:38.41	FRANK PIEMME	USA	1995	1:25.49	PETER BELL	CAN	2007
2:50.95	BURWELL JONES	USA	2002	11:55.21	WILLIAM PHILLIPS	USA	1998	1:27.10	JOHN KORTHEUER	USA	2001
400 M. I.M.				11:58.19	CAV CAVANAUGH	USA	2008	1:27.25	BOB PATTEN	USA	2004
5:56.22	RICHARD BURNS	USA	2008	12:00.70	DON BLAND	GBR	2001	1:27.38	NICK TEMPLEMAN	CAN	2001
5:58.93	MIKE FRESHLEY	USA	2006	12:01.98	NIC GEERS	NED	2008	200 M. BRST			
6:02.48	RICHARD TODD	USA	2008	1500 M. FREE				3:05.27	HANS REICHELT	GER	2007
6:04.40	GRAHAM JOHNSTON	USA	1996	20:54.56	GRAHAM JOHNSTON	USA	2001	3:06.16	TONY GOODWIN	AUS	2007
6:07.00	ROBERTO ALBERICHE	ESP	1996	21:17.81	JOHN CRISP	AUS	2005	3:09.86	PETER BELL	CAN	2005
6:10.33	MASAO KIJIMA	JPN	2007	21:24.18	DAVID RADCLIFF	USA	2007	3:10.08	YOSHIAKI AOKI	JPN	2008
6:14.67	DICK STEWART	USA	2005	22:30.87	WILLIAM PHILLIPS	USA	1998	3:12.98	RON JOHNSON	USA	2003
6:19.69	TOM LANDIS	USA	2008	22:32.76	CAV CAVANAUGH	USA	2008	3:13.39	THOMAS WALKER	GBR	2005
6:21.88	TADASHI IWAMOTO	JPN	2005	22:44.45	FRANK PIEMME	USA	1995	3:14.52	CLAUDIO NEGRI	ITA	2006
6:21.95	ROB HANOU	NED	2008	22:45.32	DON BLAND	GBR	2001	3:14.66	TSUTOMU KAJIHARA	JPN	2003
				22:55.92	HANS LINDSTROM	SWE	2007	3:14.83	BOB PATTEN	USA	2004
*****				23:11.67	ROGER FRANKS	USA	1999	3:15.42	HARTMUT LEMCKE	GER	2005
	M E N 70-74			23:21.30	KIYOJI AMANO	JPN	2001	50 M. FLY			
*****				50 M. BACK				31.55	BERT PETERSEN	USA	2008
50 M. FREE				33.90	YOSHI OYAKAWA	USA	2003	32.07	HIROSHI MATSUMOTO	JPN	2007
27.70	JEFF FARRELL	USA	2008	35.44	S.SEKIKAWA	JPN	2003	32.57	RONALD JOHNSON	USA	2001
28.28	PETER BERGENGREN	SWE	2008	35.71	PAUL HUTINGER	USA	1994	32.93	JEFF FARRELL	USA	2008
28.55	RON JOHNSON	USA	2003	35.75	BURWELL JONES	USA	2004	33.06	DAVE COSTILL	USA	2008
28.76	CAV CAVANAUGH	USA	2008	36.88	GUNTER KOBOW	GER	2007	33.10	PETER BERGENGREN	SWE	2008
29.00	WOLFRAM GOTTFRIED	GER	2003	37.00	RON JOHNSON	USA	2003	33.61	BOB BAILIE	USA	2006
29.77	CHARLES BALDWIN	USA	2000	37.02	ERIC FORSLUND	SWE	2007	33.79	DAVID COSTILL	USA	2007
29.77	DAVID RADCLIFF	USA	2004	37.06	MAMPEI SEINO	JPN	2003	34.09	DAVID MCINTYRE	USA	2007
29.80	BOB BAILIE	USA	2006	37.11	PETER BERGENGREN	SWE	2008	34.23	WOLFGANG SIEBER	GER	2007
29.87	H.TAKAHASHI	JPN	2006	37.25	DAVID MCINTYRE	USA	2008	100 M. FLY			
30.01	SHINGO YAMAMOTO	JPN	2001	100 M. BACK				1:19.47	LUIS SIMI	BRA	2007
100 M. FREE				1:15.85	YOSHI OYAKAWA	USA	2003	1:19.51	RONALD JOHNSON	USA	2001
1:03.33	JEFF FARRELL	USA	2007	1:16.73	BURWELL JONES	USA	2003	1:20.31	HIROSHI MATSUMOTO	JPN	2006
1:04.58	CAV CAVANAUGH	USA	2005	1:18.73	S.SEKIKAWA	JPN	2003	1:20.35	DAVID COSTILL	USA	2007
1:04.66	PETER BERGENGREN	SWE	2008	1:19.09	MARTY MENNEN	USA	2007	1:21.60	WOLFRAM GOTTFRIED	GER	2001
1:06.26	GRAHAM JOHNSTON	USA	2001	1:20.94	MAMPEI SEINO	JPN	2003	1:21.79	DAVE COSTILL	USA	2008
1:06.50	DAVID RADCLIFF	USA	2004	1:21.50	ROGER FRANKS	USA	1997	1:22.37	BERT PETERSEN	USA	2008
1:06.70	CHARLES BALDWIN	USA	2000	1:21.74	PAUL HUTINGER	USA	1994	1:22.37	TAKASHI HAYASHI	JPN	2005
1:07.46	MASATO YOSHINO	JPN	2008	1:22.33	CLARKE MITCHELL	USA	2002	1:23.14	MASAYASU KAMIYA	JPN	2002
1:07.47	RONALD JOHNSON	USA	2001	1:22.77	RON JOHNSON	USA	2002	1:23.67	DAVID CUMMING	GBR	2008
1:07.84	WOLFRAM GOTTFRIED	GER	2001	1:23.61	KEIJIRO NAKAMURA	JPN	1996	200 M. FLY			
1:08.36	SHINGO YAMAMOTO	JPN	2001	200 M. BACK				3:08.60	TAKASHI HAYASHI	JPN	2003
200 M. FREE				2:51.24	BURWELL JONES	USA	2003	3:13.57	JESUS DOMINGUEZ	ESP	2000
2:24.31	GRAHAM JOHNSTON	USA	2001	2:53.22	S.SEKIKAWA	JPN	2003	3:15.19	RON JOHNSON	USA	2002
2:28.41	CAV CAVANAUGH	USA	2005	2:53.59	YOSHI OYAKAWA	USA	2003	3:18.59	ROBERT PFERSDORFF	GER	1995
2:30.04	JEFF FARRELL	USA	2008	2:54.36	MARTY MENNEN	USA	2007	3:18.87	KARL-HEINZ KNOPS	GER	1995
2:30.27	BURWELL JONES	USA	2004	2:55.73	ROGER FRANKS	USA	1998	3:19.00	DAVE MCLACHLAN	RSA	2008
2:30.45	DAVID RADCLIFF	USA	2007	2:58.91	MAMPEI SEINO	JPN	2003	3:20.14	CLAUDIO NEGRI	ITA	2006
2:31.71	MASATO YOSHINO	JPN	2008	2:59.92	PAUL HUTINGER	USA	1994	3:20.92	DAVID CUMMING	GBR	2008
2:31.75	BALAZS GYORFFY	GBR	2008	3:01.57	DAVID COSTILL	USA	2007	3:22.72	SEYMOUR BANNING	GBR	2003
2:32.29	DAVID COSTILL	USA	2008	3:02.37	E.NODENSCHNEIDER	FRA	2006	3:24.27	HEINZ KRAUSS	GER	2002
2:33.22	NELIO VILLASBOAS	BRA	2002	3:05.12	BOB BARRY	AUS	2002	100 M. I.M.			
2:33.66	THEO ENDERES	GER	1999	50 M. BRST				1:15.92	RONALD JOHNSON	USA	2001
400 M. FREE				37.26	JEFF FARRELL	USA	2007	1:16.05	JEFF FARRELL	USA	2007
5:09.75	GRAHAM JOHNSTON	USA	2002	37.44	HANS REICHELT	GER	2007	1:17.19	DAVE COSTILL	USA	2008
5:15.88	BURWELL JONES	USA	2003	37.47	NICK TEMPLEMAN	CAN	2001	1:17.22	BURWELL JONES	USA	2003
5:18.28	DAVID RADCLIFF	USA	2007	37.68	AKIO SUGIYAMA	JPN	2005	1:18.44	WOLFRAM GOTTFRIED	GER	2001
5:29.16	JOHN CRISP	AUS	2005	37.71	MANUEL SANGUILY	USA	2004	1:19.43	CHARLES BALDWIN	USA	2000
5:30.42	CAV CAVANAUGH	USA	2005	37.96	KARL WIEDAMANN	USA	2008	1:19.84	HANS REICHELT	GER	2007
5:33.89	NIC GEERS	NED	2008	38.12	TONY GOODWIN	AUS	2007	1:19.96	IKURO SHIMONO	JPN	2008
5:34.86	IKURO SHIMONO	JPN	2007	38.15	JOHN KORTHEUER	USA	2001	1:20.35	JOHN KORTHEUER	USA	2001
5:35.49	FRANK PIEMME	USA	1995	38.25	RINALDO FERREIRA	BRA	2007	1:20.43	JOHN CRISP	AUS	2007
5:37.26	WILLIAM PHILLIPS	USA	1998	38.39	PETER BELL	CAN	2008	200 M. I.M.			
5:40.04	MARTY MENNEN	USA	2007	100 M. BRST				2:51.73	BURWELL JONES	USA	2003



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2:55.51	RON JOHNSON	USA	2002	6:17.03	MASAYASU KAMIYA	JPN	2008	100 M. BRST			
2:55.58	GRAHAM JOHNSTON	USA	2002	800 M. FREE				1:28.61	ROBERT PFERSDORFF	GER	1999
2:57.74	JEFF FARRELL	USA	2007	11:38.56	BURWELL JONES	USA	2008	1:28.72	SHUNSAKU TAKAHIRA	JPN	2007
2:59.87	IKURO SHIMONO	JPN	2007	12:00.94	GRAHAM JOHNSTON	USA	2006	1:30.02	TSUTOMU KAJIHARA	JPN	2008
3:00.88	JESUS DOMINGUEZ	ESP	1996	12:02.87	HIROSHI YOSHIMURA	JPN	2004	1:32.85	ERICH NEUMANN	GER	2005
3:02.07	MOTOHISA HIROSE	JPN	2008	12:13.28	FRANK PIEMME	USA	2000	1:33.20	ZENJI NAKAHARI	JPN	2006
3:03.20	JOHN CRISP	AUS	2005	12:39.48	GIULIO DIVANO	ITA	2008	1:34.60	KARL HAUTER	GER	2000
3:04.85	CHARLES BALDWIN	USA	2000	12:45.40	RAYMOND TAFT	USA	1994	1:35.01	IWAO NARUSE	JPN	2007
3:05.96	FRANK PIEMME	USA	1995	13:05.48	ED KERSWILL	USA	2001	1:35.47	TSUTOMU MORIHIRO	JPN	2008
400 M. I.M.				13:14.50	C.BRUNELLESCHI	ITA	1998	1:35.73	TOSHIO TAJIMA	JPN	2002
6:21.46	BURWELL JONES	USA	2003	13:15.02	ALDO DA ROSA	USA	1993	1:35.77	ERIVALDO LIMA	BRA	2008
6:23.43	GRAHAM JOHNSTON	USA	2002	13:16.92	MAURICE LUSIEN	FRA	2001	200 M. BRST			
6:38.98	FRANK PIEMME	USA	1995	1500 M. FREE				3:20.93	TSUTOMU KAJIHARA	JPN	2008
6:39.24	JOHN CRISP	AUS	2005	22:27.75	GRAHAM JOHNSTON	USA	2006	3:21.50	KARL HAUTER	GER	2000
6:42.04	MOTOHISA HIROSE	JPN	2008	22:28.06	BURWELL JONES	USA	2008	3:24.84	ROBERT PFERSDORFF	GER	1999
6:44.53	E.NODENSCHNEIDER	FRA	2006	22:52.00	HIROSHI YOSHIMURA	JPN	2003	3:26.71	SHUNSAKU TAKAHIRA	JPN	2008
6:46.14	LARRY GOOD	USA	2004	24:22.70	FRANK PIEMME	USA	2000	3:28.02	ESK SALONEN	FIN	2001
6:47.09	JESUS DOMINGUEZ	ESP	2000	24:46.19	ALDO DA ROSA	USA	1993	3:29.54	AL CRAIG	USA	2003
6:48.33	KARL HAUTER	GER	1999	24:47.25	THOMAS TAYLOR	USA	2006	3:30.52	FRANK PIEMME	USA	2000
6:49.75	ROGER FRANKS	USA	1997	25:23.20	GIULIO DIVANO	ITA	2008	3:31.55	ERIVALDO LIMA	BRA	2008
*****				25:23.92	RAYMOND TAFT	USA	1994	3:32.66	ERICH NEUMANN	GER	2005
M E N 75-79				25:24.81	KARL HAUTER	GER	2001	3:34.14	TSUTOMU MORIHIRO	JPN	2008
*****				25:24.90	TAKANAO SATO	JPN	2008	50 M. FLY			
50 M. FREE				50 M. BACK				33.27	ARAM BOGHOSSIAN	BRA	2004
31.06	FRANK PIEMME	USA	2001	35.51	YOSHI OYAKAWA	USA	2008	34.53	JEAN LE DALL	FRA	2008
31.33	SHINGO YAMAMOTO	JPN	2006	36.58	S.SEKIKAWA	JPN	2008	34.83	FRANK PIEMME	USA	2000
31.40	ANDERS SODERQVIST	SWE	2008	36.68	CLARKE MITCHELL	USA	2007	35.80	CLARKE MITCHELL	USA	2007
31.64	ALDO EMINENTE	FRA	2006	37.47	KEIJIRO NAKAMURA	JPN	1998	36.41	TAKASHI HAYASHI	JPN	2008
32.00	RUDI VAN ESS	GER	2008	37.56	BURWELL JONES	USA	2008	36.42	MASAYASU KAMIYA	JPN	2007
32.09	KEIJIRO NAKAMURA	JPN	1999	38.38	PAUL HUTINGER	USA	1999	36.88	TAMON YOSHIDA	JPN	2001
32.14	WOLFRAM GOTTFRIED	GER	2008	38.83	JACK HALE	GBR	1997	37.18	ROBERT PFERSDORFF	GER	1999
32.15	EDWARD BREISACHER	USA	2007	39.01	MAMPEI SEINO	JPN	2008	37.32	ASHLEY JONES	USA	2006
32.19	BOB BEST	USA	2007	39.14	GORO TANIGUCHI	JPN	1997	37.66	YOSHIO ISHIGURO	JPN	2006
32.20	TAKAHIKO NOMA	JPN	2003	39.83	RAYMOND TAFT	USA	1994	100 M. FLY			
100 M. FREE				100 M. BACK				1:24.67	TAKASHI HAYASHI	JPN	2008
1:10.71	SHINGO YAMAMOTO	JPN	2006	1:19.71	BURWELL JONES	USA	2008	1:30.09	MASAYASU KAMIYA	JPN	2007
1:11.53	GRAHAM JOHNSTON	USA	2007	1:20.16	YOSHI OYAKAWA	USA	2008	1:32.07	ROBERT PFERSDORFF	GER	2000
1:11.55	FRANK PIEMME	USA	2000	1:20.85	S.SEKIKAWA	JPN	2008	1:32.31	RON JOHNSON	USA	2006
1:12.98	EDWARD BREISACHER	USA	2007	1:23.81	CLARKE MITCHELL	USA	2007	1:32.41	KARL HAUTER	GER	2001
1:13.07	BURWELL JONES	USA	2008	1:24.21	KEIJIRO NAKAMURA	JPN	1998	1:32.69	GIULIO DIVANO	ITA	2008
1:13.12	WOLFRAM GOTTFRIED	GER	2008	1:25.13	PAUL HUTINGER	USA	2000	1:33.15	HEINZ KRAUSS	GER	2007
1:13.35	JACK HALE	GBR	1997	1:25.22	ROGER FRANKS	USA	2002	1:34.76	ERIVALDO LIMA	BRA	2008
1:13.47	RAYMOND TAFT	USA	1995	1:26.10	MAMPEI SEINO	JPN	2007	1:35.31	ASHLEY JONES	USA	2007
1:13.69	ARAM BOGHOSSIAN	BRA	2004	1:26.40	JACK HALE	GBR	1997	1:35.41	FRANK PIEMME	USA	2000
1:14.06	SHOICHI SHIDA	JPN	2001	1:27.41	RAYMOND TAFT	USA	1994	200 M. FLY			
200 M. FREE				200 M. BACK				3:18.65	TAKASHI HAYASHI	JPN	2008
2:37.71	GRAHAM JOHNSTON	USA	2006	2:58.21	ROGER FRANKS	USA	2002	3:26.72	ROBERT PFERSDORFF	GER	1999
2:42.21	SHINGO YAMAMOTO	JPN	2006	2:59.65	BURWELL JONES	USA	2008	3:27.58	KARL HAUTER	GER	2001
2:46.17	ARAM BOGHOSSIAN	BRA	2004	3:00.92	S.SEKIKAWA	JPN	2008	3:29.00	ERIVALDO LIMA	BRA	2008
2:47.41	HIROSHI YOSHIMURA	JPN	2004	3:09.22	KEIJIRO NAKAMURA	JPN	1999	3:31.23	MAURICE LUSIEN	FRA	2001
2:47.43	FRANK PIEMME	USA	2000	3:10.00	MAMPEI SEINO	JPN	2008	3:39.51	THOMAS MAINE	USA	2002
2:47.65	KIYOJI AMANO	JPN	2006	3:10.22	RAYMOND TAFT	USA	1994	3:42.68	TOSHIMASA MINAMI	JPN	2005
2:48.33	MASAYASU KAMIYA	JPN	2008	3:12.53	PAUL HUTINGER	USA	2000	3:42.99	MINORU NAGASHIMA	JPN	2001
2:48.67	RAYMOND TAFT	USA	1994	3:13.21	YOSHI OYAKAWA	USA	2008	3:45.50	HEINZ KRAUSS	GER	2007
2:49.10	ROGER FRANKS	USA	2002	3:13.86	BOB BARRY	AUS	2006	3:46.24	GIULIO DIVANO	ITA	2008
2:49.36	FUMIO EGAMI	JPN	2005	3:14.41	HORACE KNOWLTON	USA	2004	100 M. I.M.			
400 M. FREE				50 M. BRST				1:24.23	BURWELL JONES	USA	2008
5:40.14	GRAHAM JOHNSTON	USA	2006	39.97	TOSHIO TAJIMA	JPN	2000	1:24.42	FRANK PIEMME	USA	2000
5:45.47	HIROSHI YOSHIMURA	JPN	2004	40.07	MANUEL SANGUILY	USA	2008	1:25.36	KARL HAUTER	GER	2000
5:50.39	BURWELL JONES	USA	2008	40.17	ROBERT PFERSDORFF	GER	1999	1:25.68	MASAYASU KAMIYA	JPN	2007
6:01.32	FRANK PIEMME	USA	2000	40.62	JOHN KORTHEUER	USA	2006	1:26.50	TSUTOMU KAJIHARA	JPN	2008
6:02.95	RAYMOND TAFT	USA	1995	40.99	TSUTOMU KAJIHARA	JPN	2008	1:26.87	CLARKE MITCHELL	USA	2008
6:04.20	KARL HAUTER	GER	2000	41.55	SHUNSAKU TAKAHIRA	JPN	2008	1:27.24	BOB BEST	USA	2007
6:07.86	ARAM BOGHOSSIAN	BRA	2004	42.13	ZENJI NAKAHARI	JPN	2003	1:27.43	RAYMOND TAFT	USA	1994
6:09.54	KIYOJI AMANO	JPN	2006	42.14	CHARLES URSTADT	USA	2004	1:27.60	EDWARD BREISACHER	USA	2007
6:15.28	GIULIO DIVANO	ITA	2008	42.20	PATRICK GALVIN	AUS	2008	1:28.97	BIRCH DAVIDSON	USA	1994
				42.28	BURWELL JONES	USA	2008	200 M. I.M.			



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3:00.01	BURWELL JONES	USA	2008	6:54.21	RYUJI FUJIKAWA	JPN	1998	45.52	WATARU ASAOKA	JPN	2005
3:10.06	KARL HAUTER	GER	2000	6:55.19	ALDO DA ROSA	USA	1998	45.52	KARL WITTENBERG	GER	1990
3:16.44	FRANK PIEMME	USA	2000	800 M. FREE				100 M. BRST			
3:19.32	BOB BEST	USA	2007	12:50.97	HIROSHI YOSHIMURA	JPN	2008	1:35.96	ZENJI NAKAHARI	JPN	2008
3:19.95	GIULIO DIVANO	ITA	2008	13:29.27	RAYMOND TAFT	USA	1999	1:36.91	KARL HAUTER	GER	2005
3:20.29	GRAHAM JOHNSTON	USA	2006	13:34.55	KARL HAUTER	GER	2007	1:39.85	TOSHIO TAJIMA	JPN	2005
3:20.35	RAYMOND TAFT	USA	1994	13:41.19	FRANK PIEMME	USA	2005	1:42.05	FRANK PIEMME	USA	2005
3:21.16	MASAYASU KAMIYA	JPN	2008	14:05.05	JURGEN SCHMIDT	USA	2003	1:43.54	MAX VON ISSER	USA	1999
3:22.14	ALDO V DA ROSA	USA	1992	14:35.51	NILS KLING	SWE	2004	1:43.70	JAN ZIEGLER	CZE	2006
3:22.71	HORACE KNOWLTON	USA	2004	14:36.00	KEVIN VICKERY	AUS	2003	1:43.91	Y.MIYAMOTO	JPN	1997
400 M. I.M.				14:37.33	HIROSHI IMAIZUMI	JPN	2005	1:45.09	ALDO DA ROSA	USA	1998
6:52.50	BURWELL JONES	USA	2008	14:39.58	HARVEY PROSSER	USA	2008	1:45.51	BARTON GREENBERG	USA	2004
6:52.62	KARL HAUTER	GER	2001	14:46.09	NORBERT ARTUS	CAN	1997	1:45.93	WATARU ASAOKA	JPN	2005
6:59.68	FRANK PIEMME	USA	2000	1500 M. FREE				200 M. BRST			
7:07.64	GRAHAM JOHNSTON	USA	2006	25:35.01	RAY TAFT	USA	1999	3:34.21	ZENJI NAKAHARI	JPN	2008
7:08.17	GIULIO DIVANO	ITA	2008	26:41.69	ALDO DA ROSA	USA	1998	3:40.73	KARL HAUTER	GER	2005
7:08.53	RAYMOND TAFT	USA	1994	27:03.54	JURGEN SCHMIDT	USA	2005	3:47.50	JAN ZIEGLER	CZE	2006
7:17.67	BOB BEST	USA	2007	27:33.01	ROBERT JOHNSTON	USA	1997	3:47.87	FRANK PIEMME	USA	2005
7:20.86	ALDO V DA ROSA	USA	1992	27:33.43	HIROSHI IMAIZUMI	JPN	2005	3:50.86	MAX VAN GELDER	NED	2004
7:22.73	FRANK TANNER	USA	2008	27:56.50	LEE ARTH	USA	2005	3:56.33	ISAO FUNAMOTO	JPN	2002
7:31.50	JAN ZIEGLER	CZE	2001	28:07.58	RYUJI FUJIKAWA	JPN	1999	3:56.35	ROLF STELLRECHT	GER	2008
*****				28:21.48	NORBERT ARTUS	CAN	1997	3:57.72	FERNANDO NAJERA	MEX	2003
*****				28:43.31	DEXTER WOODFORD	USA	1994	3:58.96	ALDO DA ROSA	USA	1998
M E N 80-84				29:05.37	WILLARD LAMB	USA	2006	4:00.80	WATARU ASAOKA	JPN	2005
*****				50 M. BACK				50 M. FLY			
50 M. FREE				38.26	KEIJIRO NAKAMURA	JPN	2003	40.24	FRANK PIEMME	USA	2005
32.61	KEIJIRO NAKAMURA	JPN	2004	41.31	SHOICHI SHIDA	JPN	2006	40.25	TOSHIO TAJIMA	JPN	2005
32.80	FRANK PIEMME	USA	2005	41.58	PAUL HUTINGER	USA	2004	40.40	TAMON YOSHIDA	JPN	2007
33.23	B.SCHLURIKE	GER	2001	42.11	DALE WEBSTER	USA	2006	41.87	ANDREW HOLDEN	USA	1999
33.79	FUJIO MYOJIN	JPN	2008	42.16	SHOICHI SAKAMOTO	JPN	1998	42.14	MAX VON ISSER	USA	1999
34.52	TAKAHIKO NOMA	JPN	2008	42.96	RAY TAFT	USA	1999	42.50	JAN ZIEGLER	CZE	2005
34.74	SHOICHI SHIDA	JPN	2006	43.66	WILLIAM ROWE	USA	1997	42.66	SILVANO DANIELI	ITA	2008
34.77	ZENJI NAKAHARI	JPN	2008	43.71	OTTO CLAUS	GER	1995	44.75	Y.MIYAMOTO	JPN	1997
34.90	TOSHIMI INATOMI	JPN	2007	43.92	EDWARD SHEA	USA	1994	44.83	GERHARD GIERA	GER	2008
35.04	ALLEN MILES	GBR	2008	44.04	GORO KOBAYASHI	JPN	1998	45.44	KAKUICHI YANAGAWA	JPN	2001
35.11	SHOICHI SAKAMOTO	JPN	2001	100 M. BACK				100 M. FLY			
100 M. FREE				1:25.77	KEIJIRO NAKAMURA	JPN	2003	1:36.53	KARL HAUTER	GER	2005
1:16.09	KEIJIRO NAKAMURA	JPN	2003	1:33.27	PAUL HUTINGER	USA	2004	1:41.82	JAN ZIEGLER	CZE	2005
1:16.30	SHOICHI SHIDA	JPN	2006	1:33.58	RAY TAFT	USA	1999	1:43.20	MAX VAN GELDER	NED	2004
1:17.02	FRANK PIEMME	USA	2005	1:34.16	ROGER FRANKS	USA	2007	1:44.29	THOMAS MAINE	USA	2007
1:18.67	B.SCHLURIKE	GER	2002	1:35.25	JAN ZIEGLER	CZE	2005	1:46.68	SILVANO DANIELI	ITA	2008
1:18.80	HIKOJI UEKI	JPN	1995	1:36.13	KARL HAUTER	GER	2006	1:47.17	FRANK PIEMME	USA	2005
1:19.03	ROD BAKER	AUS	2008	1:36.41	ALDO DA ROSA	USA	1998	1:48.41	MINORU NAGASHIMA	JPN	2006
1:20.44	TOSHIO SHIMIZU	JPN	2007	1:37.17	EDWARD SHEA	USA	1994	1:50.39	ANTON CERER	USA	1997
1:20.65	WOODROW BOWERSOCK	USA	1993	1:38.01	DALE WEBSTER	USA	2006	1:52.51	WALT PFEIFFER	USA	1994
1:20.97	KARL HAUTER	GER	2005	1:38.04	TOSHIIJI SATO	JPN	1996	1:53.80	RAYMOND TAFT	USA	1999
1:21.28	HIDEAKI KATO	JPN	2001	200 M. BACK				200 M. FLY			
200 M. FREE				3:10.06	KEIJIRO NAKAMURA	JPN	2003	3:52.41	THOMAS MAINE	USA	2007
2:58.32	HIROSHI YOSHIMURA	JPN	2008	3:23.73	RAY TAFT	USA	1999	4:00.64	ANTON CERER	USA	1997
3:00.21	KARL HAUTER	GER	2005	3:25.46	ROGER FRANKS	USA	2007	4:17.12	PAUL KRUP	USA	1997
3:00.63	RAYMOND TAFT	USA	1999	3:32.87	KARL HAUTER	GER	2005	4:17.29	MINORU NAGASHIMA	JPN	2006
3:00.86	FRANK PIEMME	USA	2005	3:33.60	JAN ZIEGLER	CZE	2006	4:18.70	HIRONARI UEDA	JPN	2002
3:01.42	HIKOJI UEKI	JPN	1995	3:33.91	EDWARD SHEA	USA	1994	4:20.52	KARL HAUTER	GER	2008
3:01.91	TOSHIO SHIMIZU	JPN	2007	3:39.12	PAUL HUTINGER	USA	2004	4:25.99	WALTER PFEIFFER	USA	1994
3:07.37	JIRO KOBAYASHI	JPN	2005	3:40.02	G.SHIMOMOTO	JPN	2007	4:37.61	PAUL HUTINGER	USA	2005
3:08.98	JAN ZIEGLER	CZE	2006	3:40.75	C.SCHERER	GER	1995	4:44.45	LEE ARTH	USA	2005
3:09.57	KEVIN VICKERY	AUS	2003	3:43.98	JOHN MERRILL	USA	1998	4:50.00	JACQUES AMYOT	CAN	2004
3:10.03	HIDEAKI KATO	JPN	2001	50 M. BRST				100 M. I.M.			
400 M. FREE				41.42	TOSHIO TAJIMA	JPN	2005	1:30.18	ZENJI NAKAHARI	JPN	2008
6:20.10	HIROSHI YOSHIMURA	JPN	2008	43.64	ZENJI NAKAHARI	JPN	2008	1:31.77	SHOICHI SHIDA	JPN	2006
6:27.60	RAY TAFT	USA	1999	43.99	Y.KAWABATA	JPN	2006	1:32.25	KARL HAUTER	GER	2005
6:30.21	KARL HAUTER	GER	2006	44.56	Y.MIYAMOTO	JPN	1997	1:32.65	FRANK PIEMME	USA	2005
6:35.25	TOSHIO SHIMIZU	JPN	2007	44.93	GERHARD GIERA	GER	2008	1:33.50	JAN ZIEGLER	CZE	2006
6:38.17	JAN ZIEGLER	CZE	2005	44.97	KARL HAUTER	GER	2008	1:35.31	RAY TAFT	USA	1999
6:38.23	FRANK PIEMME	USA	2005	45.13	HORST FRITSCHKE	GER	2006	1:35.60	MAX VAN GELDER	NED	2004
6:45.01	D.CASOLINO	ITA	2008	45.39	CHARLES URSTADT	USA	2008	1:38.31	ALDO DA ROSA	USA	1998
6:47.71	JURGEN SCHMIDT	USA	2005	45.40	MAX VON ISSER	USA	1999	1:38.56	ANDREW HOLDEN	USA	1999



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1:39.80	SILVANO DANIELE	ITA	2008	7:54.24	GUS LANGNER	USA	1988	51.17	KARL WITTENBERG	GER	1995
200 M. I.M.				7:58.36	NILS FERM	SWE	2002	51.54	MAX VON ISSER	USA	2004
3:26.48	KARL HAUTER	GER	2006	8:04.16	HIROSHI SAIGO	JPN	2001	52.09	LUDWIG GEBURZI	GER	2006
3:37.04	RAYMOND TAFT	USA	1999	8:10.74	ARTHUR THOMAS	AUS	2004	100 M. BRST			
3:39.84	ALDO DA ROSA	USA	1998	800 M. FREE				1:50.32	HIROMU YOSHIMOTO	JPN	2000
3:42.99	FRANK PIEMME	USA	2008	14:04.48	WILLARD LAMB	USA	2008	1:56.21	ALDO DA ROSA	USA	2002
3:44.29	THOMAS MAINE	USA	2005	15:03.26	JURGEN SCHMIDT	USA	2008	1:59.82	Y.MIYAMOTO	JPN	2002
3:46.96	ANTON CERER	USA	1997	15:15.68	JIM EUBANK	USA	2000	2:00.02	H.REITEMEYER	GER	2006
3:47.85	ROLF STELLRECHT	GER	2008	16:19.95	TOKUSHI KOMEDA	JPN	1999	2:01.87	LUDWIG GEBURZI	GER	2006
3:50.06	HIROSHI IMAIZUMI	JPN	2005	16:28.13	HAROLD DODD	GBR	2001	2:03.83	MAX VON ISSER	USA	2004
3:50.55	WOODROW BOWERSOCK	USA	1994	16:35.66	DICK GUIDO	USA	2002	2:04.45	PAUL KRUP	USA	2002
3:53.29	SILVANO DANIELE	ITA	2008	16:38.41	NILS FERM	SWE	2003	2:04.70	TAKESHI YASUKAWA	JPN	2008
400 M. I.M.				16:53.90	GUS LANGNER	USA	1988	2:04.71	SEIJI TAKAHASHI	JPN	2000
7:26.06	KARL HAUTER	GER	2005	16:53.91	RYUJI FUJIKAWA	JPN	2002	2:06.89	GIORDANO RAGGI	ITA	1999
7:37.58	RAY TAFT	USA	1999	17:32.11	ARTHUR THOMAS	AUS	2004	200 M. BRST			
7:49.23	FRANK PIEMME	USA	2005	1500 M. FREE				4:16.20	ALDO DA ROSA	USA	2002
7:53.88	ALDO DA ROSA	USA	1998	28:17.36	WILLARD LAMB	USA	2008	4:20.43	HIROMU YOSHIMOTO	JPN	2001
7:55.53	THOMAS MAINE	USA	2007	29:16.62	JURGEN SCHMIDT	USA	2008	4:28.38	Y.MIYAMOTO	JPN	2002
8:00.81	ANTON CERER	USA	1997	29:55.69	JIM EUBANK	USA	2000	4:36.88	PAUL KRUP	USA	2002
8:33.86	JURGEN SCHMIDT	USA	2003	30:31.85	TOKUSHI KOMEDA	JPN	1999	4:40.49	H.REITEMEYER	GER	2008
8:34.45	WALTER PFEIFFER	USA	1994	31:05.09	RYUJI FUJIKAWA	JPN	2002	4:44.32	WALT PFEIFFER	USA	1998
8:36.45	TED ROACH	CAN	2005	32:11.96	HAROLD DODD	GBR	2004	4:45.69	GIORDANO RAGGI	ITA	1999
8:38.45	JACQUES AMYOT	CAN	2004	32:20.20	GUS LANGNER	USA	1988	4:49.45	ALFRED SCHULHOF	CAN	2004
				32:43.03	NILS FERM	SWE	2003	4:50.45	SEITA INAYOSHI	JPN	2008
*****				33:50.15	ARTHUR THOMAS	AUS	2002	4:58.98	FRANK GRIFFITHS	AUS	1994
M E N 85-89				34:02.37	RICHARD SMITH	USA	2005	50 M. FLY			
*****				50 M. BACK				43.35	MAX VON ISSER	USA	2004
50 M. FREE				41.12	KEIJIRO NAKAMURA	JPN	2008	47.89	ANDREW HOLDEN	USA	2004
34.54	KEIJIRO NAKAMURA	JPN	2008	43.80	GORO KOBAYASHI	JPN	2001	50.51	Y.MIYAMOTO	JPN	2002
36.51	WILLARD LAMB	USA	2007	46.08	TOSHIJI SATO	JPN	2000	52.74	WALT PFEIFFER	USA	1998
36.61	JIM EUBANK	USA	2000	46.35	SHOICHI SAKAMOTO	JPN	2003	53.00	PAUL KRUP	USA	2004
37.08	SHOICHI SAKAMOTO	JPN	2003	47.17	R.REINSTADTLER	GER	1997	53.41	LUDWIG GEBURZI	GER	2006
37.16	WOODROW BOWERSOCK	USA	1998	47.34	ALDO DA ROSA	USA	2002	54.74	ALDO DA ROSA	USA	2002
37.85	ANDREW HOLDEN	USA	2004	48.08	WILLARD LAMB	USA	2008	56.72	KAKUICHI YANAGAWA	JPN	2006
37.96	WILLIAM JOHNSTON	USA	2003	48.79	EDWARD SHEA	USA	1999	57.12	WILLIAM JOHNSTON	USA	2003
38.46	ROGER HALIMI	FRA	2007	49.24	ANDREW HOLDEN	USA	2004	57.57	G EDWARD RUDLOFF	USA	2008
38.52	GORO KOBAYASHI	JPN	2002	49.75	C.SCHERER	GER	1999	100 M. FLY			
38.82	R.REINSTADTLER	GER	1997	100 M. BACK				2:01.65	ANDREW HOLDEN	USA	2004
100 M. FREE				1:28.98	KEIJIRO NAKAMURA	JPN	2008	2:04.50	WALT PFEIFFER	USA	1998
1:19.42	KEIJIRO NAKAMURA	JPN	2008	1:39.08	GORO KOBAYASHI	JPN	2002	2:13.39	ALDO DA ROSA	USA	2002
1:23.20	JIM EUBANK	USA	2000	1:40.25	TOSHIJI SATO	JPN	2000	2:15.51	LUDWIG GEBURZI	GER	2007
1:25.28	WILLARD LAMB	USA	2007	1:48.34	WILLARD LAMB	USA	2008	2:15.74	PAUL KRUP	USA	2003
1:27.00	HIKOJI UEKI	JPN	2000	1:48.79	ALDO DA ROSA	USA	2002	2:23.30	R.REINSTADTLER	GER	1997
1:29.62	WOODY BOWERSOCK	USA	1998	1:48.95	EDWARD SHEA	USA	1999	2:25.92	ALDO CAPUTI	ITA	2003
1:29.92	GORO KOBAYASHI	JPN	2003	1:50.96	R.REINSTADTLER	GER	2000	2:26.79	HIRONARI UEDA	JPN	2006
1:34.08	TOKUSHI KOMEDA	JPN	2000	1:51.57	KAIZO WATANABE	JPN	2008	2:28.43	KAKUICHI YANAGAWA	JPN	2006
1:34.55	ARTHUR THOMAS	AUS	2002	1:52.69	H.REITEMEYER	GER	2006	2:37.89	WILLIAM JOHNSTON	USA	2003
1:35.00	ISAMU TAMURA	JPN	2005	1:54.18	HIROMICHI MIYAZAK	JPN	2005	200 M. FLY			
1:35.43	ALDO DA ROSA	USA	2002	200 M. BACK				4:49.10	WALT PFEIFFER	USA	1998
200 M. FREE				3:18.29	KEIJIRO NAKAMURA	JPN	2008	5:01.50	PAUL KRUP	USA	2002
3:12.85	WILLARD LAMB	USA	2007	3:37.45	GORO KOBAYASHI	JPN	2002	5:33.83	HIRONARI UEDA	JPN	2006
3:13.45	JIM EUBANK	USA	2000	3:55.12	WILLARD LAMB	USA	2008	6:10.72	WILLIAM JOHNSTON	USA	2003
3:15.87	HIKOJI UEKI	JPN	2000	4:00.80	ALDO DA ROSA	USA	2002	6:43.79	BOB DOUD	USA	2008
3:28.66	JURGEN SCHMIDT	USA	2008	4:02.65	RYUJI FUJIKAWA	JPN	2002	7:59.16	JAY CHARLES	USA	2007
3:29.01	TOKUSHI KOMEDA	JPN	2000	4:05.07	JOHN MERRILL	USA	2005	8:26.16	ROY BODINE	USA	1997
3:39.35	SABURO IWASAKI	JPN	2001	4:05.25	C.SCHERER	GER	1999	10:06.25	CASPAR HAUPT	CAN	2008
3:42.64	STEVE CARLSON	USA	2006	4:06.86	EDWARD SHEA	USA	2000	100 M. I.M.			
3:43.53	RYUJI FUJIKAWA	JPN	2003	4:09.25	NILS FERM	SWE	2003	1:32.47	HEINZ SIEGEL	GER	2003
3:43.55	KISABURO WADA	JPN	2002	4:09.66	R.REINSTADTLER	GER	1999	1:48.23	ANDREW HOLDEN	USA	2004
3:44.09	R.REINSTADTLER	GER	1997	50 M. BRST				1:55.20	LUDWIG GEBURZI	GER	2006
400 M. FREE				47.70	Y.MIYAMOTO	JPN	2002	1:55.35	MAX VON ISSER	USA	2004
7:17.57	WILLARD LAMB	USA	2008	48.82	HIROMU YOSHIMOTO	JPN	2000	1:56.26	R.REINSTADTLER	GER	1997
7:19.94	JIM EUBANK	USA	2000	50.04	SEIJI TAKAHASHI	JPN	2000	1:56.30	JURGEN SCHMIDT	USA	2008
7:24.82	JURGEN SCHMIDT	USA	2008	50.25	R.REINSTADTLER	GER	2000	1:59.34	ISAMU TAMURA	JPN	2004
7:27.29	TOKUSHI KOMEDA	JPN	1999	50.44	WALTER MINNICH	GER	2004	1:59.79	G EDWARD RUDLOFF	USA	2008
7:47.75	ALDO DA ROSA	USA	2002	50.69	H.REITEMEYER	GER	2006	2:01.14	TOKUSHI KOMEDA	JPN	2001
7:49.70	RYUJI FUJIKAWA	JPN	2002	50.99	PAUL KRUP	USA	2002	2:06.07	M.FUKUSHIMA	JPN	2001



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200 M. I.M.		9:47.46	JIM TRIOLO	USA 2004	2:32.87	MASAHISA KANEKO	JPN 2002	
4:07.59	ALDO DA ROSA	USA 2002	10:02.86	JOHN HARRISON	GBR 2004	2:33.12	GEORGE CORONES	AUS 2008
4:19.20	ANDREW HOLDEN	USA 2004	10:07.77	L GENE CROSSET	USA 2003	2:45.20	JIM PENFIELD	USA 1998
4:24.58	WALT PFEIFFER	USA 1998	800 M. FREE			2:46.31	WALT PFEIFFER	USA 2003
4:32.34	JURGEN SCHMIDT	USA 2008	18:36.25	NILS FERM	SWE 2008	2:49.83	ROMAN JEZEK	CAN 2004
4:42.38	TOKUSHI KOMEDA	JPN 1999	18:49.01	AUSTIN NEWMAN	USA 2005	2:49.96	JIM PANTON	CAN 2004
4:51.91	WILLIAM JOHNSTON	USA 2003	19:31.83	WOODY BOWERSOCK	USA 2003	2:54.08	DERRICK DAVEY	GBR 2004
4:56.70	HIRONARI UEDA	JPN 2006	20:48.59	JOHN HARRISON	GBR 2004	3:00.04	JOHN HARRISON	GBR 2004
5:02.31	HERB EISENSCHMIDT	USA 1991	23:32.20	GUS LANGNER	USA 1998	200 M. BRST		
5:08.19	ALDO CAPUTI	ITA 2003	25:36.41	EUGENE LEHMAN	CAN 2004	4:59.71	HIROMU YOSHIMOTO	JPN 2005
5:23.70	LUIGI DAVOGLIO	ITA 1995	26:55.55	ROMAN JEZEK	CAN 2004	5:35.74	MASAHISA KANEKO	JPN 2003
400 M. I.M.		27:22.19	HOWARD HOLMES	NZL 2007	5:44.96	RUSS WITTE	USA 2008	
9:32.65	WALT PFEIFFER	USA 1998	1500 M. FREE		5:58.17	WALT PFEIFFER	USA 2003	
9:36.09	ANDREW HOLDEN	USA 2004	35:20.36	AUSTIN NEWMAN	USA 2005	6:06.92	ROMAN JEZEK	CAN 2004
9:48.58	JURGEN SCHMIDT	USA 2008	38:17.40	NILS FERM	SWE 2007	6:11.93	ALDO CAPUTI	ITA 2005
10:26.11	HIRONARI UEDA	JPN 2006	39:33.78	WOODY BOWERSOCK	USA 2004	6:22.73	JIM PANTON	CAN 2004
10:47.13	HERB EISENSCHMIDT	USA 1991	40:43.49	JOHN HARRISON	GBR 2004	6:41.56	GUS LANGNER	USA 1994
11:07.74	WILLIAM JOHNSTON	USA 2003	44:48.99	GUS LANGNER	USA 1996	7:05.38	WALTER KELLER	USA 2008
11:48.29	TOM MC CALL	USA 2007	47:19.71	EUGENE LEHMAN	CAN 2004	7:20.98	ARTHUR EVANS	AUS 2004
12:21.27	JAY CHARLES	USA 2007	51:43.20	PAUL E. SPANGLER	USA 1990	50 M. FLY		
12:53.77	DON MCCULLOUGH	USA 2001	50 M. BACK		56.09	WALT PFEIFFER	USA 2003	
13:01.15	ROY BODINE	USA 1996	52.49	GORO KOBAYASHI	JPN 2008	1:00.50	HEINZ JAHR	GER 1997
*****			53.24	R.REINSTADTLER	GER 2002	1:07.00	ALDO CAPUTI	ITA 2005
M E N 90-94			53.32	TOSHIJI SATO	JPN 2005	1:08.25	R.REINSTADTLER	GER 2002
*****			55.25	JOHN MERRILL	USA 2007	1:09.41	HEINZ SIEGEL	GER 2004
50 M. FREE			55.47	KAZUNAGA AKUTSU	JPN 2003	1:22.46	NORI YAMAMOTO	JPN 1999
41.07	WOODY BOWERSOCK	USA 2003	56.02	NILS FERM	SWE 2007	1:25.02	JOHN HARRISON	GBR 2004
42.60	GORO KOBAYASHI	JPN 2006	56.15	MASAHISA KANEKO	JPN 2003	1:29.42	JIM PENFIELD	USA 1998
42.93	TOKUSHI KOMEDA	JPN 2004	57.09	WOODY BOWERSOCK	USA 2003	1:38.44	ROMAN JEZEK	CAN 2004
43.89	KAZUNAGA AKUTSU	JPN 2002	57.73	SHOGORO AZUMA	JPN 2002	1:40.91	EUGENE LEHMAN	CAN 2004
44.87	GEORGE CORONES	AUS 2008	57.94	TOM HAVER	USA 2008	100 M. FLY		
45.03	R.REINSTADTLER	GER 2002	100 M. BACK		2:21.82	WALT PFEIFFER	USA 2003	
45.92	MASAHISA KANEKO	JPN 2002	1:47.66	GORO KOBAYASHI	JPN 2006	2:41.14	ALDO CAPUTI	ITA 2005
46.23	MASAO UEDA	JPN 2002	1:58.27	TOSHIJI SATO	JPN 2005	4:25.80	EUGENE LEHMAN	CAN 2003
46.94	GASTAO FIGUEIREDO	BRA 2000	2:00.03	JOHN MERRILL	USA 2007	4:50.20	BILL REEDER	USA 2001
48.47	NILS FERM	SWE 2007	2:00.25	R.REINSTADTLER	GER 2002	200 M. FLY		
100 M. FREE			2:06.00	WOODY BOWERSOCK	USA 2003	5:37.23	WALT PFEIFFER	USA 2003
1:39.26	WOODY BOWERSOCK	USA 2003	2:06.45	NILS FERM	SWE 2007	9:14.77	EUGENE LEHMAN	CAN 2003
1:41.47	TOKUSHI KOMEDA	JPN 2004	2:09.05	MASAHISA KANEKO	JPN 2003	100 M. I.M.		
1:45.28	GORO KOBAYASHI	JPN 2007	2:10.00	JOHN HARRISON	GBR 2006	2:08.86	TOKUSHI KOMEDA	JPN 2004
1:47.51	MASAHISA KANEKO	JPN 2002	2:15.04	TOM HAVER	USA 2008	2:14.23	WALT PFEIFFER	USA 2003
1:51.96	HEINZ SIEGEL	GER 2004	2:22.96	ARTHUR THOMAS	AUS 2007	2:16.67	R.REINSTADTLER	GER 2002
1:54.87	R.REINSTADTLER	GER 2002	200 M. BACK		2:18.93	ALDO CAPUTI	ITA 2005	
1:56.86	ARTHUR THOMAS	AUS 2007	3:59.25	GORO KOBAYASHI	JPN 2007	2:24.64	HEINZ SIEGEL	GER 2004
1:56.88	GASTAO FIGUEIREDO	BRA 2000	4:20.68	R.REINSTADTLER	GER 2002	2:28.50	WOODY BOWERSOCK	USA 2003
1:57.38	KAZUNAGA AKUTSU	JPN 2004	4:25.14	JOHN MERRILL	USA 2007	2:32.79	NORI YAMAMOTO	JPN 2000
1:58.42	GUS LANGNER	USA 1993	4:29.54	NILS FERM	SWE 2007	2:41.51	RUSS WITTE	USA 2008
200 M. FREE			4:47.45	WOODY BOWERSOCK	USA 2003	2:49.39	JOHN HARRISON	GBR 2004
3:39.65	TOKUSHI KOMEDA	JPN 2004	4:56.91	GASTAO FIGUEIREDO	BRA 2000	3:00.53	GUS LANGNER	USA 1994
3:48.53	GORO KOBAYASHI	JPN 2007	5:00.38	JOHN HARRISON	GBR 2004	200 M. I.M.		
3:59.28	WOODY BOWERSOCK	USA 2003	5:04.71	TOM HAVER	USA 2008	5:13.24	WALT PFEIFFER	USA 2003
4:20.43	GASTAO FIGUEIREDO	BRA 2000	5:16.23	JEAN LEEMPUT	FRA 2005	6:10.00	JOHN HARRISON	GBR 2004
4:23.15	MASAHISA KANEKO	JPN 2003	5:18.95	JIM TRIOLO	USA 2004	7:18.74	ROMAN JEZEK	CAN 2004
4:26.25	ARTHUR THOMAS	AUS 2007	50 M. BRST		7:32.22	EUGENE LEHMAN	CAN 2004	
4:27.02	NILS FERM	SWE 2007	53.23	HEINZ JAHR	GER 1997	8:43.21	BILL REEDER	USA 2001
4:27.70	GUS LANGNER	USA 1993	55.68	HIROMU YOSHIMOTO	JPN 2005	400 M. I.M.		
4:41.18	L GENE CROSSET	USA 2003	1:00.00	JOHN HARRISON	GBR 2006	11:15.65	WALT PFEIFFER	USA 2003
4:43.45	AUSTIN NEWMAN	USA 2005	1:02.37	ALDO CAPUTI	ITA 2005	15:45.53	EUGENE LEHMAN	CAN 2003
400 M. FREE			1:02.62	GEORGE CORONES	AUS 2008	17:59.19	BILL REEDER	USA 2000
8:50.65	GUS LANGNER	USA 1993	1:03.85	R.REINSTADTLER	GER 2002	*****		
9:05.71	JOHN MERRILL	USA 2007	1:04.67	HEINZ SIEGEL	GER 2004	M E N 95-99		
9:16.99	NILS FERM	SWE 2007	1:05.61	HANS PAUL	GER 1998	*****		
9:23.13	AUSTIN NEWMAN	USA 2005	1:05.91	MASAHISA KANEKO	JPN 2002	50 M. FREE		
9:34.51	TOKUSHI KOMEDA	JPN 2006	1:06.20	KAZUNAGA AKUTSU	JPN 2002	55.08	KAZUNAGA AKUTSU	JPN 2007
9:37.35	WOODY BOWERSOCK	USA 2003	100 M. BRST		2:15.14	HIROMU YOSHIMOTO	JPN 2005	
9:41.12	R.REINSTADTLER	GER 2003	2:23.92	RUSS WITTE	USA 2008	57.57	GUS LANGNER	USA 1998
						1:00.40	R.REINSTADTLER	GER 2007



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1:01.65	GERSON SOBEL	USA	2005	21:03.17	WALTER PFEIFFER	USA	2008
1:02.43	MASAO UEDA	JPN	2007				
1:06.95	JARING TIMMERMAN	CAN	2004	*****			
1:10.32	ALFREDO CHERCHI	AUS	2002		M E N 100-104		
1:38.62	ETSURO YASUI	JPN	2006	*****			
1:40.29	EUGENE LEHMAN	CAN	2008	50	M. FREE		
1:43.00	HANS HAHN	GER	2004	2:06.66	TOM LANE	USA	1995
	100 M. FREE			2:07.41	HANS HAHN	GER	2008
2:09.32	KAZUNAGA AKUTSU	JPN	2007		100 M. FREE		
2:19.51	GUS LANGNER	USA	1998	4:32.29	TOM LANE	USA	1995
2:31.62	JARING TIMMERMAN	CAN	2004	50	M. BACK		
3:06.54	R.REINSTADTLER	GER	2007	2:02.52	TOM LANE	USA	1995
4:05.43	EUGENE LEHMAN	CAN	2008	2:09.37	HANS HAHN	GER	2008
	200 M. FREE			4:17.99	NOBUO OTSUKI	JPN	2007
5:13.46	GUS LANGNER	USA	1998		100 M. BACK		
5:42.47	ALFREDO CHERCHI	AUS	2002	5:01.82	HANS HAHN	GER	2008
8:12.83	EUGENE LEHMAN	CAN	2008				
	400 M. FREE						
10:51.93	GUS LANGNER	USA	1998				
16:31.48	EUGENE LEHMAN	CAN	2008				
	800 M. FREE						
22:05.55	GUS LANGNER	USA	1998				
32:46.93	EUGENE LEHMAN	CAN	2008				
	1500 M. FREE						
41:29.87	GUS LANGNER	USA	1998				
	50 M. BACK						
1:01.25	KAZUNAGA AKUTSU	JPN	2007				
1:10.42	NORI YAMAMOTO	JPN	2004				
1:21.47	R.REINSTADTLER	GER	2007				
1:25.49	JARING TIMMERMAN	CAN	2004				
1:27.67	GUS LANGNER	USA	1998				
1:32.01	MARTIN SCHMIDT	GER	2008				
1:33.27	ALFREDO CHERCHI	AUS	2002				
1:45.41	HANS HAHN	GER	2003				
1:58.81	BILL REEDER	USA	2005				
2:00.47	EUGENE LEHMAN	CAN	2008				
	100 M. BACK						
2:23.12	KAZUNAGA AKUTSU	JPN	2007				
3:05.23	NORI YAMAMOTO	JPN	2005				
3:38.07	GUS LANGNER	USA	1998				
3:59.38	ALFREDO CHERCHI	AUS	2002				
4:00.58	HANS HAHN	GER	2004				
4:27.89	BILL REEDER	USA	2005				
	200 M. BACK						
7:01.87	ALFREDO CHERCHI	AUS	2002				
8:32.34	GUS LANGNER	USA	1998				
9:31.21	BILL REEDER	USA	2005				
	50 M. BRST						
1:22.80	KAZUNAGA AKUTSU	JPN	2007				
1:31.60	GUS LANGNER	USA	1998				
1:47.18	MARTIN SCHMIDT	GER	2007				
2:58.58	EUGENE LEHMAN	CAN	2008				
3:07.96	BILL REEDER	USA	2005				
	100 M. BRST						
3:35.33	GUS LANGNER	USA	1998				
	200 M. BRST						
7:29.31	GUS LANGNER	USA	1998				
	50 M. FLY						
3:02.06	EUGENE LEHMAN	CAN	2008				
	100 M. FLY						
6:04.41	WALTER PFEIFFER	USA	2008				
	100 M. I.M.						
3:33.98	GUS LANGNER	USA	1998				
5:45.94	BILL REEDER	USA	2005				
	200 M. I.M.						
9:50.55	WALTER PFEIFFER	USA	2008				
	400 M. I.M.						