



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2007)

*****			17:42.32	B. DURDY-EVANS	USA 1988	27.88	NADINE ROLLAND	CAN 2004
WOMEN 25-29			50	M. BACK		28.11	AIMEE RAMM	GBR 2007
*****			29.20	AKIKO MIZUMOTO	JPN 2006	28.16	SOPHIA SKOU	DEN 2004
50	M. FREE		29.60	EMILIE JORON	FRA 2006	28.35	ALEXA WHITE	GBR 2004
25.42	SUMIKA KOMATSU	JPN 2006	29.90	MICHELA VIGNOTTO	ITA 1999	28.42	M.VAN DEN BRAND	NED 2006
26.07	SANDRA KAZIKOVA	CZE 2003	30.04	KANA OHASHI	JPN 2003	28.61	JENNIFER BROOKS	USA 2003
26.13	NADINE ROLLAND	CAN 2004	30.05	CAMILLA JOHANSSON	USA 2002	28.63	MABI TSUKIOKA	JPN 2007
26.16	ALISON TERRY	USA 1999	30.07	M KRIEL	RSA 1999	28.68	SHEILA TAORMINA	USA 1996
26.18	SOPHIA SKOU	DEN 2002	30.11	LIA OBERSTAR	USA 2001	28.74	ALFONSINA IRACE	ITA 2004
26.19	LISA ANDERSSON	SWE 2007	30.20	FABIOLA MOLINA	BRA 2002	28.78	SARAH HEALEY	GBR 2007
26.25	CELINE BAILLOD	SUI 2007	30.22	NAHOMI ERIGUCHI	AUS 2004	100	M. FLY	
26.34	MIHO OKUHARA	JPN 2003	30.29	NAOMI ARAKAWA	JPN 2007	1:01.33	SHEILA TAORMINA	USA 1996
26.53	SANDRA THIEME	GER 2006	100	M. BACK		1:01.46	HITOMI MATSUDA	JPN 2005
26.53	BECKY BICKNELL	USA 2002	1:02.32	AKIKO MIZUMOTO	JPN 2007	1:01.97	SOPHIA SKOU	DEN 2004
100	M. FREE		1:02.48	KANA OHASHI	JPN 2007	1:02.46	SARAH HEALEY	GBR 2007
56.30	SHEILA TAORMINA	USA 1996	1:03.26	CAMILLA JOHANSSON	USA 2002	1:03.36	AIMEE RAMM	GBR 2007
56.96	HITOMI MATSUDA	JPN 2005	1:03.33	LIA OBERSTAR	USA 2001	1:03.44	BERIT PUGGAARD	DEN 1998
56.98	AIMEE RAMM	GBR 2007	1:03.43	EMILIE JORON	FRA 2006	1:04.10	ALEXA WHITE	GBR 2004
57.09	CELINE BAILLOD	SUI 2007	1:03.77	MARION ZOLLER	GER 1995	1:04.29	MUTSUMI TASHIRO	JPN 2006
57.10	ALISON TERRY	USA 1999	1:03.87	GISELE PEREIRA	BRA 2001	1:04.32	M.VAN DEN BRAND	NED 2006
57.47	BERIT PUGGAARD	DEN 1998	1:04.05	M KRIEL	RSA 1999	1:04.60	CHRISSE MILLER	USA 2002
57.65	TARA HUTT	GBR 2004	1:04.50	BERIT PUGGAARD	DEN 1997	200	M. FLY	
57.72	SANDRA KAZIKOVA	CZE 2003	1:04.66	DIANE GRANER	USA 1989	2:17.13	S. PALMER-WHITE	AUS 1991
57.92	DYNE BURRELL	USA 1996	200	M. BACK		2:17.19	HITOMI MATSUDA	JPN 2006
58.34	PAULA AGUIAR	BRA 2002	2:12.84	KANA OHASHI	JPN 2005	2:19.30	SANDRA TEMMERMAN	NED 2005
200	M. FREE		2:14.77	LIA OBERSTAR	USA 2001	2:20.82	BARBARA KEHBEIN	GER 1997
1:59.78	SHEILA TAORMINA	USA 1996	2:16.45	MARION ZOLLER	GER 1995	2:21.46	LIA OBERSTAR	USA 2004
2:02.50	TATIANA BARBOSA	BRA 2007	2:17.86	JOLANDA DE ROVER	NED 1992	2:22.33	ELVIRA JONKERS	NED 2005
2:04.59	HITOMI MATSUDA	JPN 2005	2:18.65	CAMILLA JOHANSSON	USA 2002	2:23.30	JACKIE THOMPSON	GBR 1994
2:05.67	CELINE BAILLOD	SUI 2007	2:19.05	PAMELA HANSON	USA 2004	2:23.60	CHRISSE MILLER	USA 2002
2:05.80	REBECCA WILLIAMS	NZL 1990	2:20.12	BIRGIT DEURING	GER 1996	2:23.60	BEATE SCHOLTYSSSEK	GER 1995
2:06.08	BARBARA KEHBEIN	GER 1998	2:20.66	DIANE GRANER	USA 1989	2:24.19	MICHELLE BINGHAM	GBR 1998
2:06.20	HEIDI HANNENIAN	USA 1997	2:20.67	GISELE PEREIRA	BRA 1998	100	M. I.M.	
2:06.28	TARA HUTT	GBR 2005	2:20.71	SARAH LAMBERT	GBR 2006	1:03.67	HITOMI MATSUDA	JPN 2005
2:06.36	FLAVIA RIGAMONTI	USA 2007	50	M. BRST		1:04.77	NADINE ROLLAND	CAN 2004
2:06.47	DIANE GRANER	USA 1989	32.20	TRACEY MIRANDE	USA 1995	1:05.25	CELINE BAILLOD	SUI 2007
400	M. FREE		32.25	CELINE BAILLOD	SUI 2007	1:05.67	WENKE HANSEN	USA 1998
4:17.77	FLAVIA RIGAMONTI	USA 2007	32.76	HITOMI MATSUDA	JPN 2006	1:06.00	MANUELA NACKEL	GER 1999
4:24.18	SHEILA TAORMINA	USA 1996	32.80	RILEY WEST	CAN 2004	1:06.18	KANA OHASHI	JPN 2003
4:25.94	LYNN MARSHALL	CAN 1990	33.50	RIA WILLEMSE	NED 1989	1:06.24	SANDRA KAZIKOVA	CZE 2003
4:26.18	DIANE GRANER	USA 1989	33.70	TAMARA VAN GORKOM	NED 2004	1:06.43	AIMEE RAMM	GBR 2007
4:26.56	CHANTAL DUCK	BEL 1993	33.70	S. SEMINATORE	ITA 1990	1:06.73	RILEY WEST	CAN 2004
4:27.54	REBECCA WILLIAMS	NZL 1990	33.73	ANA GOMES	BRA 2007	1:06.76	CHRIS WIEGAND	GER 2000
4:27.87	BARBARA KEHBEIN	GER 1995	33.73	HENRIETTE LARSEN	DEN 2002	200	M. I.M.	
4:28.01	CINDY BERTELINK	CAN 2004	33.86	WENKE HANSEN	USA 1998	2:17.17	HITOMI MATSUDA	JPN 2006
4:28.06	TARA HUTT	GBR 2005	100	M. BRST		2:19.48	CELINE BAILLOD	SUI 2007
4:29.10	S. PALMER-WHITE	AUS 1991	1:10.55	HITOMI MATSUDA	JPN 2005	2:21.79	WENKE HANSEN	USA 1998
800	M. FREE		1:10.71	MANUELA NACKEL	GER 1998	2:22.00	KANA OHASHI	JPN 2007
8:51.18	SHEILA TAORMINA	USA 1996	1:11.00	CELINE BAILLOD	SUI 2007	2:22.81	CINDY BERTELINK	CAN 2003
8:57.39	HITOMI MATSUDA	JPN 2006	1:11.80	RILEY WEST	CAN 2004	2:23.00	ALISON TERRY	USA 1999
9:00.84	PAULA WOOD	GBR 2007	1:13.26	SILVA PULFRICH	GER 2003	2:23.17	MARION ZOLLER	GER 1995
9:07.19	S. PALMER-WHITE	AUS 1991	1:13.30	WENKE HANSEN	USA 1998	2:23.40	KATARIN QUELENNEC	FRA 2005
9:08.09	MARIE ATKINSON	GBR 2001	1:13.45	KATJA BRASCHOSS	GER 2007	2:23.47	BIRGIT DEURING	GER 1996
9:12.32	LYNN MARSHALL	CAN 1991	1:13.57	ANDREA PACKARD	USA 2001	2:24.07	DIANE GRANER	USA 1989
9:17.98	M.VAN KEULEN	NED 2005	1:13.60	RIA WILLEMSE	NED 1989	400	M. I.M.	
9:18.99	DIANE M. GRANER	USA 1990	1:13.73	ANA GOMES	BRA 2007	4:52.13	HITOMI MATSUDA	JPN 2006
9:19.05	TOBIE SMITH	USA 1999	200	M. BRST		4:55.85	KANA OHASHI	JPN 2006
9:19.73	ASHLEY WHITNEY	USA 2005	2:31.18	HITOMI MATSUDA	JPN 2006	4:56.98	ALESSANDRA CORTES	BRA 1999
1500	M. FREE		2:32.73	RILEY WEST	CAN 2004	5:01.26	HELEN SLATTER	GBR 1997
16:36.07	SHEILA TAORMINA	USA 1996	2:35.66	ANDREA PACKARD	USA 2001	5:02.47	CINDY BERTELINK	CAN 2004
17:00.63	HITOMI MATSUDA	JPN 2006	2:36.60	KATIE HENDERSON	GBR 2007	5:02.54	WENKE HANSEN	USA 1998
17:24.96	PAULA WOOD	GBR 2007	2:36.82	KATJA BRASCHOSS	GER 2007	5:04.56	SABINE AHR	GER 1999
17:29.81	CHANTAL DUCK	BEL 1993	2:37.16	NATHALIE ELORRIET	FRA 2000	5:04.56	BIRGIT DEURING	GER 1996
17:30.18	KAREN BURTON	USA 1991	2:37.35	HELEN GORMAN	GBR 1998	5:06.61	AYANE SATO	JPN 2007
17:36.04	DIANE M. GRANER	USA 1990	2:39.03	ANDREA HILL	USA 2000	5:07.14	S. PALMER-WHITE	AUS 1991
17:36.61	LYNN MARSHALL	CAN 1990	2:39.62	WENKE HANSEN	USA 1998	*****		
17:37.48	MARIA ATKINSON	GBR 2001	2:40.08	MANUELA NACKEL	GER 1999	WOMEN 30-34		
17:38.57	S. PALMERWHITE	AUS 1990	50	M. FLY				



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*****			28.99	METTE JACOBSEN	DEN 2006	27.98	NADINE ROLLAND	CAN 2005
50	M. FREE		29.44	NADINE ROLLAND	CAN 2005	28.05	KATRINA RADKE	USA 2004
25.64	METTE JACOBSEN	DEN 2006	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	28.72	YUKI WAKUI	JPN 2004
26.20	SANDRA KAZIKOVA	CZE 2006	30.36	ANDREA KUTZ	GER 2005	28.95	LAURA BIANZANI	ITA 2006
26.46	ANNA PETTIS-SCOTT	USA 1993	30.41	K PIPES-NEILSEN	USA 1996	29.04	ANNA LOHMANN	SWE 2007
26.50	SUSAN HILL	GBR 2003	30.51	SHERI HART	USA 2003	29.13	THERESE LUNDIN	SWE 2000
26.51	KATJA TROSIEN	GER 2007	30.53	R.MARACINEANU	FRA 2005	100	M. FLY	
26.53	JANET MAYVILLE	CAN 2006	30.94	HELEN JAMESON	GBR 1994	59.11	MARTINA MORAVCOVA	USA 2006
26.55	SANDY NEILSON	USA 1987	100	M. BACK		1:00.11	METTE JACOBSEN	DEN 2006
26.70	LINDA HEMMLING	GER 1994	1:02.88	METTE JACOBSEN	DEN 2006	1:02.39	NADINE ROLLAND	CAN 2005
100	M. FREE		1:03.36	K.PIPES-NEILSEN	USA 1996	1:02.65	BERIT PUGGAARD	DEN 2004
56.41	METTE JACOBSEN	DEN 2006	1:04.03	J HUDGELL	NZL 1986	1:02.70	WENKE HANSEN	USA 2000
56.48	PASCALE VERBAUWEN	BEL 1993	1:04.16	D.GRANER-GALLAS	USA 1996	1:03.04	ANJA BEHA	GER 2005
57.33	JANET MAYVILLE	CAN 2006	1:04.30	CAMILA JOHANSSON	SWE 2004	1:03.21	KATRINA RADKE	USA 2003
57.35	S.NEILSON-BELL	USA 1988	1:05.02	GISELI PEREIRA	BRA 2003	1:03.34	LAURA BIANZANI	ITA 2006
57.46	KATRINA RADKE	USA 2003	1:05.24	NAHOMI SHIRATA	JPN 2006	1:03.74	FLORENCE CIOTTI	ITA 2006
57.83	TAMARA VAN GORKOM	NED 2005	1:05.68	JOANNA CORBEN	GBR 2002	1:03.80	K PIPES-NEILSEN	USA 1996
58.06	HITOMI MATSUDA	JPN 2007	1:05.71	SHERI HART	USA 2003	200	M. FLY	
58.07	K PIPES-NEILSEN	USA 1996	1:06.09	NADINE ROLLAND	CAN 2007	2:19.34	LAURA BIANZANI	ITA 2004
58.26	KATJA TROSIEN	GER 2007	200	M. BACK		2:19.34	KATRINA RADKE	USA 2003
58.49	ANA GRILO	POR 2003	2:13.51	K.PIPES-NEILSEN	USA 1996	2:19.64	K PIPES-NEILSEN	USA 1996
200	M. FREE		2:18.19	JOANNA CORBEN	GBR 2002	2:21.21	FLORENCE CIOTTI	ITA 2006
2:04.09	HITOMI MATSUDA	JPN 2007	2:19.60	D.GRANER-GALLAS	USA 1996	2:24.17	KATE VEALE	GBR 2000
2:04.64	K PIPES-NEILSEN	USA 1996	2:19.66	JO SWATTON	GBR 2000	2:24.52	MELISSA VARLAS	USA 2005
2:04.98	LYNN MARSHALL	CAN 1991	2:24.11	K.WULFF-HOPPE	GER 2002	2:24.75	SANDIE EASTON	USA 2001
2:05.94	BARBARA KEHBEIN	GER 2000	2:24.89	JODY SMITH	USA 2003	2:24.84	NICOLA LATTY	GBR 2005
2:06.64	KARIN SEICK	GER 1994	2:25.19	ANJA EICHHORST	GER 2001	2:24.84	LIDIA VAN BON	NED 2002
2:06.83	SANDY NEILSON	USA 1987	2:25.31	KARIN SEICK	GER 1994	2:24.91	NADINE DAY	USA 2004
2:06.94	ANA GRILO	POR 2003	2:25.88	ANA GRILO	POR 2003	100	M. I.M.	
2:06.96	TAMARA VAN GORKOM	NED 2005	2:26.00	MASAMI HIGURASHI	JPN 1994	1:02.07	MARTINA MORAVCOVA	USA 2006
2:07.24	KATRINA RADKE	USA 2003	50	M. BRST		1:03.55	HITOMI MATSUDA	JPN 2007
2:07.46	KATJA TROSIEN	GER 2007	31.12	BRITTA STEVENS	GER 2003	1:04.44	NADINE ROLLAND	CAN 2005
400	M. FREE		32.82	WENKE HANSEN	USA 2000	1:04.96	WENKE HANSEN	USA 1999
4:22.37	HITOMI MATSUDA	JPN 2007	32.93	HITOMI MATSUDA	JPN 2007	1:05.10	SYLVIA GERASCH	GER 2000
4:22.70	K PIPES-NEILSEN	USA 1996	33.13	SUKI BROWNSDON	GBR 1995	1:05.16	K.PIPES-NEILSEN	USA 1995
4:22.75	YWETTA HLAVACOVA	CZE 2006	33.74	DAGMAR HILBIG	GER 1992	1:05.58	HIDEKO HIRANAKA	JPN 2004
4:22.77	ERIKA HANSEN	USA 2003	34.37	NADINE ROLLAND	CAN 2007	1:06.40	SUKI BROWNSDON	GBR 1995
4:25.56	KIRSTEN CAMERON	NZL 2007	34.51	A.SACCHIERO	ITA 2005	1:06.94	NADINE DAY	USA 2003
4:26.91	LYNN MARSHALL	CAN 1991	34.51	SIOBHAN HARTLEY	GBR 2000	1:07.02	SARAH GARRETT	GBR 1996
4:27.23	ANA GRILO	POR 2002	34.57	TARA HIGGINS	CAN 2003	200	M. I.M.	
4:29.49	VALERIA VERGANI	ITA 2005	34.60	MONICA CORO	ITA 1993	2:16.83	HITOMI MATSUDA	JPN 2007
4:30.16	ASA NEIJ	SWE 2006	100	M. BRST		2:18.79	K.PIPES-NEILSEN	USA 1996
4:30.98	CINDY BERTELINK	CAN 2005	1:10.00	WENKE HANSEN	USA 2000	2:18.89	WENKE HANSEN	USA 2000
800	M. FREE		1:10.22	HITOMI MATSUDA	JPN 2007	2:22.72	KATRINA RADKE	USA 2003
9:01.21	KIRSTEN CAMERON	NZL 2007	1:11.81	SUKI BROWNSDON	GBR 1995	2:23.49	CINDY BERTELINK	CAN 2005
9:06.49	ERIKA HANSEN	USA 2003	1:12.80	SYLVIA GERASCH	GER 2000	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	2:24.96	DAWN HEWITT	USA 1997
9:14.03	ASA NEIJ	SWE 2004	1:14.69	DAGMAR HILBIG	GER 1992	2:25.31	HIDEKO KOSHIMIZU	JPN 1998
9:17.55	BETH KNIGHT	USA 1990	1:15.40	ERIKO KIMURA	JPN 1992	2:25.74	MARJORIE DISTEL	FRA 2007
9:22.24	PENNY BOND	AUS 1996	1:15.44	ANNA JENSEN	SWE 2006	2:25.74	DEBBIE YOUNGER	CAN 2003
9:22.65	JOANNE REIERSON	USA 2003	1:15.52	NADINE DAY	USA 2002	400	M. I.M.	
9:23.38	ANA GRILO	POR 2002	200	M. BRST		4:51.33	HIDEKO HIRANAKA	JPN 2004
9:23.74	VALERIE CARION	FRA 2002	2:30.65	WENKE HANSEN	USA 2000	4:52.30	HITOMI MATSUDA	JPN 2007
1500	M. FREE		2:31.63	HITOMI MATSUDA	JPN 2007	4:53.85	K PIPES-NEILSEN	USA 1996
17:01.56	KIRSTEN CAMERON	NZL 2007	2:39.65	SYLVIA GERASCH	GER 2000	5:04.56	BARBARA KEHBEIN	GER 2000
17:13.38	HITOMI MATSUDA	JPN 2007	2:40.08	SUKI BROWNSDON	GBR 1997	5:06.05	SUKI BROWNSDON	GBR 1997
17:21.99	LYNN MARSHALL	CAN 1992	2:40.61	CAROLINE MATHIAS	FRA 2006	5:07.39	NADINE DAY	USA 2002
17:23.60	KAREN BURTON	USA 1994	2:41.63	KAREN JACKSON	GBR 2004	5:07.66	ANA GRILO	POR 2003
17:44.19	ALISON ZAMANIAN	USA 2004	2:42.39	HIDEKO KOSHIMIZU	JPN 1998	5:08.14	CORNELIA BLEUL	GER 1996
17:46.97	JACQUI ROBINSON	AUS 2005	2:42.59	LOUISE MARTIN	USA 2003	5:08.64	KATE VEALE	GBR 2000
17:51.25	LISA HAZEN	USA 1995	2:43.56	MARJORIE DISTEL	FRA 2007	5:09.02	CINDY BERTELINK	CAN 2005
17:55.18	DARCY MUSSELMAN	CAN 2001	2:43.58	SARAH HACKETT	NZL 2005	*****		
17:58.96	LAURIE HUG	USA 1999	50	M. FLY		WOMEN 35-39		
18:03.95	DONNA JOHNSON	USA 1997	26.79	MARTINA MORAVCOVA	USA 2006	*****		
50	M. BACK		27.81	METTE JACOBSEN	DEN 2006			



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50	M. FREE		30.73	K PIPES-NEILSEN	USA 1999	29.09	DEBBIE YOUNGER	CAN 2005
25.10	DARA TORRES	USA 2006	30.92	MARIKA MC CUE	USA 2002	29.31	SILVIA PAROCCHI	ITA 2005
26.13	S.NEILSON-BELL	USA 1995	31.03	HELEN JAMESON	GBR 1998	29.50	NADINE DAY	USA 2005
26.63	HELENA ABERG	SWE 2007	31.18	CINDY MABEE	CAN 2007	29.51	LYNNE HAYES	AUS 2007
26.78	FALL WILLEBOORDSE	USA 2002	31.24	MARIANNE KRIEL	RSA 2006	29.51	YOKO YAMAGUCHI	JPN 2006
26.99	MARIE ARMENTERO	ITA 2003	31.35	FALL WILLEBOORDSE	USA 2002	29.54	D GRANER GALLAS	USA 1999
27.03	MARIKA JOHANSSON	SWE 2005	31.47	MONICA SORO	ITA 2005	29.69	BETH BAKER	USA 2000
27.10	YUKIKO OZAWA	JPN 2003	31.65	SANDRA MICHELINI	ITA 2006	100	M. FLY	
27.15	COLLETTE SAPPEY	USA 2002	31.80	SILVIA PAROCCHI	ITA 2005	1:03.07	DEBBIE YOUNGER	CAN 2005
27.15	TRACIE MOLL	USA 2001	100	M. BACK		1:03.29	K PIPES-NEILSEN	USA 1997
27.17	BETH BAKER	USA 2000	1:03.56	K PIPES-NEILSEN	USA 1997	1:04.33	TRACIE MOLL	USA 2001
100	M. FREE		1:05.93	KARIN SEICK	GER 1996	1:04.62	DEBORAH YOUNGER	JPN 2006
54.95	DARA TORRES	USA 2006	1:05.94	D GRANER GALLAS	USA 1999	1:04.64	LYNNE HAYES	AUS 2007
57.65	K PIPES-NEILSEN	USA 2000	1:06.02	JOANNA CORBEN	GBR 2005	1:05.31	BETH BAKER	USA 2000
57.79	KARIN SEICK	GER 1996	1:06.64	CINDY MABEE	CAN 2007	1:05.40	MELANIA BUSSIÈRE	CAN 2007
58.57	MANUELA SCHUBERT	GER 2006	1:06.78	GISELI PEREIRA	BRA 2007	1:05.49	NADINE DAY	USA 2005
58.62	S.NEILSON-BELL	USA 1995	1:07.24	SILVIA PAROCCHI	ITA 2004	1:05.61	LAUREEN WELTING	USA 2000
58.66	BETH KNIGHT	USA 1994	1:07.76	ANDREA LUALLEN	USA 2002	1:05.83	JILL HERNANDEZ	USA 1999
58.79	JILL HERNANDEZ	USA 1999	1:07.87	HELEN JAMESON	GBR 1998	200	M. FLY	
58.80	TRACIE MOLL	USA 2001	1:08.14	MARIKA MC CUE	USA 2001	2:18.41	K PIPES-NEILSEN	USA 1997
59.03	HELENA ABERG	SWE 2006	200	M. BACK		2:21.76	DEBBIE YOUNGER	CAN 2005
59.05	LAUREEN WELTING	USA 2000	2:14.10	K PIPES-NEILSEN	USA 1997	2:24.80	KATE VEALE	GBR 2002
200	M. FREE		2:19.82	JOANNA CORBEN	GBR 2006	2:25.06	JILL HERNANDEZ	USA 1997
2:03.56	K PIPES-NEILSEN	USA 1997	2:20.95	GISELI PEREIRA	BRA 2007	2:25.52	NADINE DAY	USA 2006
2:06.18	LAUREEN WELTING	USA 2000	2:22.82	DAPHNE FUCHS	GER 1998	2:25.91	LAUREEN WELTING	USA 2000
2:06.86	JILL HERNANDEZ	USA 1999	2:23.86	SILVIA PAROCCHI	ITA 2002	2:25.96	NICOLA LATTY	GBR 2007
2:06.96	D GRANER GALLAS	USA 1999	2:24.71	DEBBIE YOUNGER	CAN 2005	2:26.45	ANA PAULA GRILO	POR 2006
2:06.99	VALERIA VERGANI	ITA 2006	2:25.89	ANDREA LUALLEN	USA 2001	2:26.69	BETH BAKER	USA 2000
2:07.58	S.NEILSON-BELL	USA 1995	2:26.96	MONICA OLMÍ	ITA 2005	2:26.79	BIRGIT LOHBERG	USA 2004
2:07.69	ANA PAULA GRILO	POR 2004	2:27.11	KRISTIN GARY	USA 2002	100	M. I.M.	
2:07.74	BETH KNIGHT	USA 1994	2:28.02	CINDY MABEE	CAN 2007	1:05.40	K PIPES-NEILSEN	USA 2000
2:08.00	MELANIA BUSSIÈRE	CAN 2007	50	M. BRST		1:06.50	SILVIA PAROCCHI	ITA 2005
2:08.12	KARIN SEICK	GER 1996	33.03	CAROLINE KRATTLI	USA 2000	1:07.31	NADINE DAY	USA 2005
400	M. FREE		33.89	DAGMAR HILBIG	GER 1993	1:07.51	DEBBIE YOUNGER	CAN 2005
4:22.56	K PIPES-NEILSEN	USA 1999	33.91	P.BRULHART N'DULA	SUI 2003	1:07.53	CAROLINE KRATTLI	USA 2000
4:24.56	LAUREEN WELTING	USA 2000	34.32	STEFANIA MONTI	ITA 2005	1:07.77	MONICA SORO	ITA 2006
4:26.57	JILL HERNANDEZ	USA 1999	34.50	S.SEMINATORE	ITA 2003	1:07.99	KATE VEALE	GBR 2002
4:27.62	VALERIA VERGANI	ITA 2006	34.63	LESLIE OSBORNE	USA 1989	1:08.15	S NEILSON-BELL	USA 1992
4:29.09	PENNY BOND	AUS 1999	34.64	ANNETT REX	GER 2004	1:08.23	BETH BAKER	USA 2000
4:30.30	ANA PAULA GRILO	POR 2004	34.84	K PIPES-NEILSEN	USA 1999	1:08.65	KATHERINE VEALE	GBR 2003
4:31.94	CHARLOTT PETERSEN	USA 2001	34.90	NADINE DAY	USA 2007	200	M. I.M.	
4:31.98	LYNN MARSHALL	CAN 1997	35.08	C.SILBERZAHN	GER 2001	2:19.08	K PIPES-NEILSEN	USA 2000
4:33.11	KARIN SEICK	GER 1996	100	M. BRST		2:23.47	DEBBIE YOUNGER	CAN 2005
4:33.17	BETH KNIGHT	USA 1994	1:11.97	CAROLINE KRATTLI	USA 2000	2:24.94	NADINE DAY	USA 2005
800	M. FREE		1:14.55	ANNETT REX	GER 2004	2:25.26	KARIN SEICK	GER 1996
9:12.97	ALISON ZAMANIAN	USA 2006	1:15.50	NADINE DAY	USA 2005	2:25.39	JILL HERNANDEZ	USA 1997
9:14.27	LAURIE HUG	USA 2000	1:15.56	STEFANIA MONTI	ITA 2004	2:26.10	KATE VEALE	GBR 2001
9:15.40	K PIPES-NEILSEN	USA 1998	1:15.65	K PIPES-NEILSEN	USA 1997	2:26.89	SILVIA PAROCCHI	ITA 2005
9:17.93	PENNY BOND	AUS 1997	1:16.40	DAGMAR HILBIG	GER 1995	2:27.72	LAUREEN WELTING	USA 2000
9:18.40	ASA NEIJ	SWE 2007	1:16.62	P.BRULHART N'DULA	SUI 2003	2:27.95	ANA PAULA GRILO	POR 2006
9:20.34	LAURIE DODD	USA 2007	1:16.70	LESLIE OSBORNE	USA 1989	2:29.17	JENNIFER RIDGE	USA 2005
9:21.94	LYNN MARSHALL	CAN 1996	1:16.79	MARZENA KULIS	ITA 2002	400	M. I.M.	
9:23.86	N.MUIR-COCHRANE	GBR 2000	1:17.52	NAMI OKAMOTO	JPN 2005	4:52.83	K PIPES-NEILSEN	USA 1997
9:24.81	BETH KNIGHT	USA 1994	200	M. BRST		5:02.22	LAUREEN WELTING	USA 2000
9:26.31	UTE MUCKEL	GER 2002	2:36.04	CAROLINE KRATTLI	USA 2000	5:09.87	NADINE DAY	USA 2006
1500	M. FREE		2:44.36	NADINE DAY	USA 2006	5:10.43	JILL HERNANDEZ	USA 1999
17:20.59	LYNN MARSHALL	CAN 1996	2:44.81	DAGMAR HILBIG	GER 1995	5:12.40	VALERIA VERGANI	ITA 2007
17:27.84	LAURIE HUG	USA 2000	2:46.93	KEIKO OKAMOTO	JPN 2006	5:12.42	KATE VEALE	GBR 2002
17:35.69	PENNY BOND	AUS 1997	2:47.78	NAMI OKAMOTO	JPN 2006	5:12.75	ANA PAULA GRILO	POR 2004
17:36.24	K PIPES-NEILSEN	USA 1999	2:48.35	STEFANIA MONTI	ITA 2005	5:13.70	JOANNA CORBEN	GBR 2007
17:43.10	BETH KNIGHT	USA 1994	2:48.65	KATJA SEEGER-BOSE	GER 2006	5:14.35	BIRGIT LOHBERG	USA 2004
17:54.55	N.MUIR-COCHRANE	GBR 2000	2:48.66	MARZENA KULIS	ITA 2002	5:15.70	LAURIE HUG	USA 2000
18:02.22	LISA HAZEN	USA 2003	2:48.66	K PIPES-NEILSEN	USA 1998	*****		
18:02.75	CHARLOTT PETERSEN	USA 2000	2:49.74	DORI MILLER	USA 2006	WOMEN 40-44		
18:09.06	LAURIE DODD	USA 2007	50	M. FLY		*****		
18:18.50	NADINE DAY	USA 2005	28.68	TRACIE MOLL	USA 2001	50	M. FREE	
50	M. BACK		28.86	HELENA ABERG	SWE 2007	26.60	MARIKA JOHANSSON	SWE 2007
30.14	GISELI PEREIRA	BRA 2007	29.08	K PIPES-NEILSEN	USA 2000			



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26.66	S.NEILSON-BELL	USA	1996	31.61	SILVIA PAROCCHI	ITA	2006	29.51	K PIPES-NEILSEN	USA	2003
26.67	EDITH OTTERMANN	RSA	2007	31.76	JUNKO NAKANO	JPN	2007	29.55	EDITH OTTERMANN	RSA	2007
26.70	GIOVANNI MORELLI	SUI	2007	31.81	VIBEKE SWANSON	USA	2001	29.57	DANIELA DE PONTI	ITA	2006
26.95	BETH KNIGHT	USA	1999	31.86	CAROLINE KRATTLI	USA	2002	29.68	BETH BAKER	USA	2001
27.04	HAYLEY BETTINSON	GBR	2006	31.87	SANDRA MICHELINI	ITA	2007	29.75	CYNTHIA PINCOTT	CAN	2003
27.18	SARAH MACDONALD	CAN	2004	31.88	UTE ROMBERG	GER	2002	100 M.	FLY		
27.21	K.PIPES-NEILSEN	USA	2005	32.00	KATHERINE VEALE	GBR	2006	1:02.34	S.VON DER LIPPE	USA	2007
27.30	JUNKO NAKANO	JPN	2007	100 M.	BACK			1:03.31	K PIPES-NEILSEN	USA	2003
27.37	JENNIE BUCKNELL	AUS	2007	1:05.43	K PIPES-NEILSEN	USA	2002	1:04.93	SILVIA PAROCCHI	ITA	2006
100 M.	FREE			1:06.94	SILVIA PAROCCHI	ITA	2007	1:05.45	DANIELA DE PONTI	ITA	2006
57.60	K PIPES-NEILSEN	USA	2003	1:07.75	VIBEKE SWANSON	USA	2002	1:05.49	BETH BAKER	USA	2001
57.74	S.VON DER LIPPE	USA	2007	1:07.92	BETH BAKER	USA	2001	1:05.84	JILL HERNANDEZ	USA	2000
58.81	JILL HERNANDEZ	USA	2000	1:07.96	UTE ROMBERG	GER	2001	1:05.85	BIRGIT LOHBERG	USA	2006
59.77	SARAH MACDONALD	CAN	2003	1:08.49	MARIKA MCCUE	USA	2005	1:06.45	MARIE SADLER	GBR	2000
59.83	S.NEILSON-BELL	USA	1996	1:09.24	KARIN SEICK	GER	2002	1:06.67	WAKA SATO	JPN	2007
59.88	SILVIA PAROCCHI	ITA	2007	1:09.37	HELEN WHITFORD	AUS	2007	1:06.86	LAURA VAL	USA	1993
1:00.10	DANIELA DE PONTI	ITA	2006	1:09.54	MIKI NAMAI	JPN	2007	200 M.	FLY		
1:00.23	BIRGIT LOHBERG	USA	2007	1:09.67	KATHERINE VEALE	GBR	2006	2:20.66	SUSAN VD LIPPE	USA	2006
1:00.24	KARIN SEICK	GER	2002	200 M.	BACK			2:20.71	K PIPES-NEILSEN	USA	2002
1:00.47	G.BERGER TALO	FRA	1999	2:19.09	K PIPES-NEILSEN	USA	2003	2:25.30	JUDY BROWN	GBR	2005
200 M.	FREE			2:23.22	SILVIA PAROCCHI	ITA	2006	2:26.07	BIRGIT LOHBERG	USA	2006
2:05.26	K PIPES-NEILSEN	USA	2003	2:25.78	BETH BAKER	USA	2001	2:26.15	BETH BAKER	USA	2001
2:06.18	S.VON DER LIPPE	USA	2007	2:28.01	VIBEKE SWANSON	USA	2002	2:28.39	MARZENA KULIS	ITA	2007
2:06.81	JILL HERNANDEZ	USA	2000	2:29.22	HELEN WHITFORD	AUS	2007	2:28.50	LYNN MARSHALL	CAN	2004
2:09.51	BIRGIT LOHBERG	USA	2006	2:29.40	ANGELA DELISSEN	GER	2007	2:29.19	LAURA VAL	USA	1993
2:09.53	BETH KNIGHT	USA	1999	2:29.48	INGRID MOLLERUP	NOR	2001	2:29.92	CYNTHIA PINCOTT	CAN	2003
2:11.16	SILVIA PAROCCHI	ITA	2006	2:30.11	BIRGIT LOHBERG	USA	2007	2:31.03	JUDY HATTLE	GBR	2003
2:11.43	LYNN MARSHALL	CAN	2002	2:30.26	LESLEY WILDE	GBR	2000	100 M.	I.M.		
2:11.45	NORMA CAHILL	IRL	2005	2:30.38	UTE ROMBERG	GER	2002	1:05.07	S.VON DER LIPPE	USA	2007
2:12.76	VIBEKE SWANSON	USA	2001	50 M.	BRST			1:05.56	K PIPES-NEILSEN	USA	2003
2:13.05	SARAH MACDONALD	CAN	2003	32.93	S.VON DER LIPPE	USA	2007	1:07.20	CAROLINE KRATTLI	USA	2002
400 M.	FREE			33.67	CAROLINE KRATTLI	USA	2003	1:08.18	SILVIA PAROCCHI	ITA	2006
4:21.75	K PIPES-NEILSEN	USA	2003	34.11	MAGGIE KELLY	GBR	2000	1:08.48	MAGGIE KELLY	GBR	1998
4:24.22	JILL HERNANDEZ	USA	2000	34.31	MARZENA KULIS	ITA	2007	1:08.82	SARAH MACDONALD	CAN	2003
4:32.89	LYNN MARSHALL	CAN	2001	34.34	DAGMAR HILBIG	GER	1998	1:08.91	JILL HERNANDEZ	USA	2004
4:34.83	BIRGIT LOHBERG	USA	2005	34.98	K PIPES-NEILSEN	USA	2002	1:08.98	BETH BAKER	USA	2001
4:34.83	SUZANN HEIM-BOWEN	USA	1998	35.22	E.HAKANSSON	CAN	2000	1:08.99	DANIELA DE PONTI	ITA	2006
4:37.83	CLAUDIA KERN	GER	2006	35.38	S.SEMINATORE	ITA	2006	1:09.26	ANGELA DELISSEN	GER	2007
4:39.24	CAROLINE KRATTLI	USA	2003	35.40	MONICA CORO	ITA	2005	200 M.	I.M.		
4:39.98	N.MUIR-COCHRANE	GBR	2004	35.51	ANGELA DELISSEN	GER	2007	2:19.21	S.VON DER LIPPE	USA	2007
4:40.16	BARBARA GELLRICH	GER	2001	100 M.	BRST			2:20.55	K PIPES-NEILSEN	USA	2003
4:41.72	C.PETERSEN	USA	2006	1:10.55	S.VON DER LIPPE	USA	2007	2:22.51	JILL HERNANDEZ	USA	2000
800 M.	FREE			1:12.08	CAROLINE KRATTLI	USA	2003	2:25.86	BIRGIT LOHBERG	USA	2006
9:09.71	K PIPES-NEILSEN	USA	2003	1:13.16	MARZENA KULIS	ITA	2007	2:26.51	CAROLINE KRATTLI	USA	2003
9:21.44	LYNN MARSHALL	CAN	2001	1:14.79	MAGGIE KELLY	GBR	1998	2:27.66	SILVIA PAROCCHI	ITA	2007
9:26.96	N.MUIR-COCHRANE	GBR	2004	1:17.02	DAGMAR HILBIG	GER	2000	2:27.85	ANGELA DELISSEN	GER	2007
9:29.90	SUZANN HEIM-BOWEN	USA	1998	1:17.04	K PIPES-NEILSEN	USA	2002	2:28.10	VIBEKE SWANSON	USA	2001
9:30.29	LESLEIGH MAYES	AUS	2000	1:17.71	M.ODILE CHARLES	FRA	2003	2:28.94	MARZENA KULIS	ITA	2007
9:35.07	CLAUDIA KERN	GER	2006	1:17.74	S.SEMINATORE	ITA	2006	2:30.34	CYNTHIA PINCOTT	CAN	2003
9:38.14	MARGE CURRAN	USA	2005	1:18.06	KATHY RENARD	CAN	2004	400 M.	I.M.		
9:39.47	LAURIE HUG	USA	2007	1:18.29	SVETLANA SAVINO	FIN	2004	5:00.82	K PIPES-NEILSEN	USA	2002
9:41.91	ELKE HAGEDORN	GER	2005	200 M.	BRST			5:02.17	JILL HERNANDEZ	USA	2000
9:42.45	BARBARA GELLRICH	GER	2003	2:35.85	SUSAN VD LIPPE	USA	2005	5:03.49	SUSAN VD LIPPE	USA	2006
1500 M.	FREE			2:39.10	CAROLINE KRATTLI	USA	2002	5:13.39	BIRGIT LOHBERG	USA	2006
17:38.37	LYNN MARSHALL	CAN	2002	2:46.13	ANGELA DELISSEN	GER	2007	5:13.86	VIBEKE SWANSON	USA	2001
17:45.50	K PIPES-NEILSEN	USA	2003	2:47.00	S.SEMINATORE	ITA	2004	5:18.30	ANGELA DELISSEN	GER	2007
17:52.93	N.MUIR-COCHRANE	GBR	2004	2:47.18	MARZENA KULIS	ITA	2006	5:21.60	LYNN MARSHALL	CAN	2001
18:02.62	SUZANN HEIM-BOWEN	USA	1998	2:47.54	DAGMAR HILBIG	GER	1999	5:22.15	LAURIE HUG	USA	2007
18:08.78	LAURIE HUG	USA	2007	2:49.01	AMANDA HEATH	GBR	1998	5:22.55	CYNTHIA PINCOTT	CAN	2006
18:24.38	AMY DANTZLER	USA	2006	2:50.00	KATHY RENARD	CAN	2004	5:22.59	ROBYNN MASTERS	USA	1999
18:29.76	ROBYNN MASTERS	USA	1999	2:50.27	K PIPES-NEILSEN	USA	2004	*****			
18:30.26	C.PETERSEN	USA	2007	2:50.46	CYNTHIA PINCOTT	CAN	2003	WOMEN 45-49			
18:33.31	REBECCA KALIBAT	USA	2004	50 M.	FLY			*****			
18:38.10	ANNA MARIA NUNIA	ITA	2004	28.13	GABRIELE BLANK	GER	2006	50 M.	FREE		
50 M.	BACK			28.21	SUSAN VD LIPPE	USA	2005	27.09	K.PIPES-NEILSEN	USA	2007
30.97	K.PIPES-NEILSEN	USA	2005	28.86	SILVIA PAROCCHI	ITA	2007	27.31	SARAH MACDONALD	CAN	2005
31.40	MARIKA MCCUE	USA	2003	29.06	ASTRID BENCSEK	SWE	2000	27.54	LISA DAHL	USA	2006
31.55	LAURA VAL	USA	1993	29.45	MARIE SADLER	GBR	2000				



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27.69	LIZ HOBBS	USA	2007	32.59	K.ANDRUS-HUGHES	USA	2006	30.60	MONIKA SENFTLEBEN	GER	1990
27.77	KARIN SEICK	GER	2006	32.65	L.VAN PELT-DILLER	USA	2003	30.77	SARAH MACDONALD	CAN	2005
27.77	JENNY WHITELEY	AUS	2003	32.67	LAURA VAL	USA	1999	30.88	JUDITH HATTLE	GBR	2006
28.06	JACKI HIRSTY	USA	2000	32.68	ANN KOURI	CAN	2006	30.99	LAURA VAL	USA	1998
28.41	JILL QUIRK	CAN	1999	32.76	KARIN SEICK	GER	2006	100 M. FLY			
28.42	LAURA VAL	USA	1998	32.82	CATHY SHEEHAN	CAN	2005	1:04.40	K.PIPES-NEILSEN	USA	2007
28.45	STEFANIE NIEMIETZ	GER	2007	100 M. BACK				1:07.07	JUDY HATTLE	GBR	2005
28.45	TANYA HANSON	USA	2006	1:06.44	K.PIPES-NEILSEN	USA	2007	1:07.99	SUZANNE SIMPSON	USA	2005
100 M. FREE				1:09.20	VIBEKE SWANSON	USA	2006	1:08.10	LAURA VAL	USA	1999
58.61	K.PIPES-NEILSEN	USA	2007	1:09.27	VERA CAPKOVA	BEL	2006	1:08.54	ARLENE DELMAGE	USA	2007
59.58	SARAH MACDONALD	CAN	2005	1:09.68	KARIN SEICK	GER	2007	1:08.63	SHIZUKO HIRAISHI	JPN	2007
1:00.41	KARIN SEICK	GER	2007	1:09.90	L.PELT-DILLER	USA	2006	1:09.24	JENNY WHITELEY	AUS	2003
1:01.42	JENNY WHITELEY	AUS	2003	1:10.33	LISA DIXON-WELLS	CAN	2006	1:09.27	TRACI GRANGER	USA	2007
1:01.94	REBECCA PERROTT	NZL	2006	1:10.62	CATHY SHEEHAN	CAN	2005	1:09.58	REBECCA PERROTT	NZL	2006
1:02.00	LAURA VAL	USA	1998	1:10.64	LESLEY WILDE	GBR	2004	1:10.03	BARBARA GELLRICH	GER	2006
1:02.17	ATIE PIJTAK	NED	2003	1:10.90	K.ANDRUS-HUGHES	USA	2004	200 M. FLY			
1:02.20	BARBARA GELLRICH	GER	2006	1:11.25	SARAH MACDONALD	CAN	2007	2:24.93	K.PIPES-NEILSEN	USA	2007
1:02.20	LYNN MARSHALL	CAN	2006	200 M. BACK				2:28.26	LYNN MARSHALL	CAN	2006
1:02.33	JILL QUIRK	CAN	1999	2:22.53	K.PIPES-NEILSEN	USA	2007	2:29.32	SUZANNE SIMPSON	USA	2005
200 M. FREE				2:31.42	LYNN MARSHALL	CAN	2006	2:32.52	LAURA VAL	USA	1999
2:05.94	K.PIPES-NEILSEN	USA	2007	2:32.56	VIBEKE SWANSON	USA	2006	2:33.73	CYNTHIA PINCOTT	CAN	2007
2:10.91	S.HEIM-BOWEN	USA	2003	2:32.74	L.PELT-DILLER	USA	2006	2:34.15	JUDY HATTLE	GBR	2005
2:11.00	LYNN MARSHALL	CAN	2006	2:33.10	NAOKO SHIDE	JPN	2006	2:35.17	JENNY WHITELEY	AUS	2003
2:11.09	JENNY WHITELEY	AUS	2003	2:34.50	LESLEY WILDE	GBR	2004	2:36.13	REBECCA PERROTT	NZL	2006
2:15.20	MARGEE CURRAN	USA	2007	2:36.25	KAREN EINSIDLER	USA	2001	2:36.81	SHIZUKO HIRAISHI	JPN	2007
2:15.31	LAURA VAL	USA	2000	2:36.38	CATHY SHEEHAN	CAN	2005	2:37.88	ARDETH MUELLER	USA	1987
2:15.44	JANA MATENA	USA	2007	2:36.79	CECILIA MCCLOSKEY	USA	1997	100 M. I.M.			
2:15.66	BARBARA GELLRICH	GER	2006	2:36.84	C.TARANTINO	ITA	2003	1:07.49	K.PIPES-NEILSEN	USA	2007
2:15.80	VIBEKE SWANSON	USA	2007	50 M. BRST				1:08.59	CAROLINE KRATTLI	USA	2007
2:16.47	REBECCA PERROTT	NZL	2007	33.94	CAROLINE KRATTLI	USA	2007	1:09.28	SARAH MACDONALD	CAN	2005
400 M. FREE				34.36	ALISON NYE	GBR	2002	1:09.68	JENNY WHITELEY	AUS	2003
4:28.51	K.PIPES-NEILSEN	USA	2007	34.60	SWICZINSKY-KORDES	GER	2001	1:10.39	SHIZUKO HIRAISHI	JPN	2007
4:30.98	S.HEIM-BOWEN	USA	2003	34.64	MAGGIE KELLY	GBR	2001	1:10.47	VIBEKE SWANSON	USA	2006
4:33.09	LYNN MARSHALL	CAN	2006	34.70	JUDY GARAY	CAN	2005	1:10.87	MAGGIE KELLY	GBR	2001
4:43.49	JENNY WHITELEY	AUS	2003	34.79	MONICA CORO	ITA	2007	1:11.30	LISA DIXON-WELLS	CAN	2006
4:43.60	MARGEE CURRAN	USA	2007	35.67	K.PIPES-NEILSEN	USA	2007	1:11.82	LAURA VAL	USA	1997
4:43.85	BARBARA GELLRICH	GER	2007	36.36	SARAH MACDONALD	CAN	2006	1:11.86	ANN KOURI	CAN	2006
4:44.77	SUSANNE SIMPSON	USA	2007	36.41	JENNY WHITELEY	AUS	2003	200 M. I.M.			
4:46.15	JANA MATENA	USA	2007	36.63	MELINDA MANN	USA	2002	2:23.49	K.PIPES-NEILSEN	USA	2007
4:46.20	KAREN EINSIDLER	USA	2002	100 M. BRST				2:29.69	CAROLINE KRATTLI	USA	2007
4:47.26	REBECCA PERROTT	NZL	2007	1:13.38	CAROLINE KRATTLI	USA	2007	2:31.99	VIBEKE SWANSON	USA	2006
800 M. FREE				1:15.86	MONICA CORO	ITA	2007	2:33.25	LYNN MARSHALL	CAN	2006
9:21.65	LYNN MARSHALL	CAN	2006	1:16.06	K.PIPES-NEILSEN	USA	2007	2:34.02	JENNY WHITELEY	AUS	2003
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:17.16	MAGGIE KELLY	GBR	2001	2:34.33	CYNTHIA PINCOTT	CAN	2007
9:40.50	MARGEE CURRAN	USA	2007	1:18.13	JENNY WHITELEY	AUS	2003	2:35.12	ANN KOURI	CAN	2006
9:41.99	BARBARA GELLRICH	GER	2007	1:19.67	MARJA BLOEMZAAD	NED	2007	2:35.67	LISA DIXON-WELLS	CAN	2007
9:42.24	SUSANNE SIMPSON	USA	2005	1:19.93	MELINDA MANN	USA	2002	2:35.69	BARBARA GELLRICH	GER	2007
9:52.74	JANA MATENA	USA	2007	1:20.29	MASAKO ICHIMARU	JPN	2007	2:36.19	SARAH MACDONALD	CAN	2007
9:54.21	KAREN EINSIDLER	USA	2002	1:20.31	KATE SORENSEN	DEN	2007	400 M. I.M.			
10:00.03	C.TARANTINO	ITA	2003	1:20.50	RUTH CHEEMA	GBR	2007	5:09.02	K.PIPES-NEILSEN	USA	2007
10:00.58	TANJA ENGELS	GER	2006	200 M. BRST				5:19.13	LYNN MARSHALL	CAN	2006
10:03.26	ANDREA BLOCK	USA	2007	2:42.10	CAROLINE KRATTLI	USA	2007	5:19.58	VIBEKE SWANSON	USA	2006
1500 M. FREE				2:48.38	JENNY WHITELEY	AUS	2003	5:28.91	JENNY WHITELEY	AUS	2003
17:46.32	LYNN MARSHALL	CAN	2007	2:48.56	JUDIT HAIDU	AUT	2007	5:31.00	LESLEY WILDE	GBR	2007
17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:49.50	MONICA CORO	ITA	2007	5:31.35	BARBARA GELLRICH	GER	2007
18:52.67	MARGEE CURRAN	USA	2007	2:53.17	K.PIPES-NEILSEN	USA	2007	5:31.97	NAOKO SHIDE	JPN	2007
18:55.82	LAURA VAL	USA	1998	2:53.23	AMANDA HEATH	GBR	2003	5:33.37	LAURA VAL	USA	1999
18:58.40	C.TARANTINO	ITA	2002	2:54.02	ULRIKE URBANIAK	GER	2000	5:35.49	REBECCA PERROTT	NZL	2006
19:02.68	DENISE BROWN	USA	2007	2:54.05	COLETTE CRABBE	USA	2002	5:35.51	COLETTE CRABBE	USA	2002
19:06.19	SUSANNE SIMPSON	USA	2007	2:54.57	KAREN MELICK	USA	2003				
19:06.25	JEANNE CARLSEN	CAN	2007	2:54.98	KATE SORENSEN	DEN	2007				
19:06.85	JENNY WHITELEY	AUS	2004	50 M. FLY				*****			
19:07.62	REBECCA PERROTT	NZL	2007	29.97	USCHI DUMIG	GER	2005	*****			
50 M. BACK				29.98	K.PIPES-NEILSEN	USA	2007	*****			
30.58	K.PIPES-NEILSEN	USA	2007	30.02	KARIN SEICK	GER	2006	50 M. FREE			
31.45	BARBARA OPITZ	GER	2006	30.18	LISA DAHL	USA	2006	28.43	G.TALOCHINO	FRA	2006
32.14	SHIZUKO HIRAISHI	JPN	2007	30.24	TRACI GRANGER	USA	2007	28.54	JACKI HIRSTY	USA	2002
32.54	VIBEKE SWANSON	USA	2006	30.51	ANGELA ZINGLER	GER	2001	28.56	LAURA VAL	USA	2001
								28.65	JOEL FELDMANN	USA	2002



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29.11	ANGELA ZINGLER	GER	2004	34.53	ANGELA ZINGLER	GER	2004	32.51	CONNY BOER-BUYS	NED	2000
29.16	L.CRITTENDEN	USA	2006	34.72	G.TALOCHINO	FRA	2006	32.52	MELINDA MANN	USA	2006
29.19	GUNILLA RASMUSSEN	SWE	2007	34.81	BENEDICTE DUPREZ	FRA	2001	100 M.	FLY		
29.24	HEATHER CAMPBELL	NZL	2006	34.97	CAROL FELLOWS	GBR	1998	1:09.05	LAURA VAL	USA	2001
29.25	LINDSEY GOWLAND	GBR	2007	100 M.	BACK			1:11.10	HARUMI SUGINUMA	JPN	2007
29.28	M.VON RICHTHOFEN	GER	2006	1:10.35	K.ANDRUS-HUGHES	USA	2007	1:12.66	ARDETH MUELLER	USA	1991
100 M.	FREE			1:12.95	LAURA VAL	USA	2001	1:13.21	MELINDA MANN	USA	2006
1:01.49	LAURA VAL	USA	2001	1:13.63	EVIE LYNCH	USA	2004	1:14.18	ANGELA ZINGLER	GER	2004
1:03.21	G.TALOCHINO	FRA	2006	1:14.62	JANE HILL	USA	2001	1:14.90	BARBARA DUNBAR	USA	2000
1:03.29	JACKI HIRSTY	USA	2002	1:14.78	BENEDICTE DUPREZ	FRA	2001	1:15.25	CHRISTIE CIRAULO	USA	2003
1:03.47	K.ANDRUS-HUGHES	USA	2007	1:14.95	PATTY LANDERS	USA	2006	1:15.43	SACHIKO SAITO	JPN	2007
1:03.97	HEATHER CAMPBELL	NZL	2006	1:15.85	C.TARANTINO	ITA	2005	1:15.56	DEBBIE SWIGERT	USA	2007
1:04.10	ATIE PIJTAK	NED	2007	1:16.55	NORIKO KOBAMATSU	JPN	2007	1:15.96	SUSAN SKIFF	ITA	2004
1:04.61	GUNILLA RASMUSSEN	SWE	2007	1:16.60	JOEL FELDMANN	USA	2003	200 M.	FLY		
1:04.84	ALYSON FORDHAM	GBR	2007	1:17.05	MARTHA STANTON	JPN	2007	2:39.11	LAURA VAL	USA	2005
1:05.19	MARILYN EARLY	USA	2007	200 M.	BACK			2:42.27	N.STEADMAN-MARTIN	USA	2007
1:05.55	L.CRITTENDEN	USA	2006	2:37.89	C.TARANTINO	ITA	2005	2:44.84	BARBARA DUNBAR	USA	1999
200 M.	FREE			2:41.20	LAURA VAL	USA	2003	2:45.99	ARDETH MUELLER	USA	1991
2:14.66	LAURA VAL	USA	2003	2:41.56	EVIE LYNCH	USA	2005	2:46.54	HARUMI SUGINUMA	JPN	2007
2:20.61	DANIELLE OGIER	USA	2002	2:43.04	ANNE CORK	GBR	2001	2:48.66	KATHERINE BRANCH	USA	2007
2:20.93	ATIE PIJTAK	NED	2007	2:46.73	BENEDICTE DUPREZ	FRA	2002	2:49.36	M.NEUMEISTER	GER	2003
2:22.21	JACKI HIRSTY	USA	2002	2:47.15	PATTY LANDERS	USA	2006	2:53.24	SUSAN SKIFF	ITA	2004
2:22.84	MARILYN EARLY	USA	2007	2:47.23	NORIKO KOBAMATSU	JPN	2007	2:53.45	SUSAN HAIGH	GBR	2005
2:23.36	SUSAN SKIFF	GER	2005	2:47.44	DANIELLE OGIER	USA	2003	2:54.65	ELAINE FINCHAM	USA	2006
2:23.69	C.TARANTINO	ITA	2005	2:47.99	DI COETZEE	RSA	2006	100 M.	I.M.		
2:24.41	DIANNE FOSTER	CAN	1999	2:48.76	EDIE FISHER	CAN	2007	1:12.50	LAURA VAL	USA	2003
2:24.55	BARBARA DUNBAR	USA	2000	50 M.	BRST			1:13.12	DANIELLE OGIER	USA	2002
2:24.66	N.STEADMAN-MARTIN	USA	2007	36.32	MAGGIE KELLY	GBR	2006	1:15.13	MELINDA MANN	USA	2006
400 M.	FREE			36.69	CHRISTIANE HEEREN	GER	1999	1:15.24	GAYLE WETTACH	USA	2007
4:45.72	LAURA VAL	USA	2003	37.10	PETRA SCHROER	GER	2004	1:15.26	ANGELA ZINGLER	GER	2004
4:54.01	DANIELLE OGIER	USA	2002	37.35	L.CRITTENDEN	USA	2006	1:15.29	L.CRITTENDEN	USA	2006
4:57.04	N.STEADMAN-MARTIN	USA	2007	37.78	ALISON NYE	GBR	2007	1:15.74	HEATHER CAMPBELL	NZL	2006
4:57.68	JACKI HIRSTY	USA	2002	37.94	SUSAN JONES ROY	USA	2001	1:15.75	ROBIN PARISI	USA	2005
4:59.56	BARBARA DUNBAR	USA	2000	37.99	DANIELLE OGIER	USA	2002	1:15.79	BERGER TALOCHINO	FRA	2007
5:00.24	C.TARANTINO	ITA	2006	38.15	MELINDA MANN	USA	2006	1:16.02	JILL JONES	GBR	2007
5:00.34	SUSAN SKIFF	GER	2005	38.18	AVILA RHODES	CAN	2006	1:16.02	JOEL FELDMANN	USA	2002
5:01.65	KATHERINE BRANCH	USA	2007	38.21	KAREN MELICK	USA	2007	200 M.	I.M.		
5:02.03	DIANNE FOSTER	CAN	1999	100 M.	BRST			2:37.52	DANIELLE OGIER	USA	2002
5:03.47	MARILYN EARLY	USA	2007	1:22.48	AMANDA HEATH	GBR	2007	2:37.90	LAURA VAL	USA	2002
800 M.	FREE			1:22.53	PETRA SCHROER	GER	2003	2:41.88	BIRGIT HEINIG	GER	2007
9:50.53	LAURA VAL	USA	2003	1:22.53	SUSAN JONES ROY	USA	2001	2:43.19	MELINDA MANN	USA	2006
10:05.20	C.TARANTINO	ITA	2005	1:23.05	DANIELLE OGIER	USA	2002	2:43.84	ATIE PIJTAK	NED	2006
10:10.18	KATHERINE BRANCH	USA	2007	1:23.06	MELINDA MANN	USA	2006	2:45.81	AMANDA HEATH	GBR	2007
10:16.80	BARBARA DUNBAR	USA	2001	1:23.42	ULRIKE URBANIAK	GER	2004	2:46.27	LAURA VACA	MEX	2003
10:18.11	N.STEADMAN-MARTIN	USA	2007	1:24.20	KAREN MELICK	USA	2007	2:46.44	EDIE FISHER	CAN	2007
10:21.03	LAURA VACA	MEX	2003	1:24.24	FRANCES PENWARDEN	GBR	2005	2:46.44	ARDETH MUELLER	USA	1991
10:23.48	DIANNE FOSTER	CAN	1999	1:24.34	L.CRITTENDEN	USA	2006	2:47.14	HEATHER CAMPBELL	NZL	2005
10:24.39	TRACY GRILLI	USA	2007	1:24.45	CHRISTIANE HEEREN	GER	1999	400 M.	I.M.		
10:25.50	SUSAN SKIFF	GER	2005	200 M.	BRST			5:36.28	LAURA VAL	USA	2002
10:28.63	CHRISTIE CIRAULO	USA	2004	2:57.49	ULRIKE URBANIAK	GER	2003	5:43.22	N.STEADMAN-MARTIN	USA	2007
1500 M.	FREE			2:58.35	AMANDA HEATH	GBR	2007	5:44.22	DANIELLE OGIER	USA	2002
18:59.17	LAURA VAL	USA	2002	2:59.41	KAREN MELICK	USA	2007	5:51.13	KATHERINE BRANCH	USA	2007
19:10.69	KATHERINE BRANCH	USA	2007	2:59.48	DANIELLE OGIER	USA	2002	5:51.84	LAURA VACA	MEX	2003
19:16.80	C.TARANTINO	ITA	2006	3:00.66	FRANCES PENWARDEN	GBR	2005	5:54.25	C.TARANTINO	ITA	2007
19:25.47	N.STEADMAN-MARTIN	USA	2007	3:00.98	CHRISTIANE HEEREN	GER	1999	5:56.02	EDIE FISHER	CAN	2007
19:31.34	BARBARA DUNBAR	USA	2000	3:01.22	MELINDA MANN	USA	2006	5:56.24	ARDETH MUELLER	USA	1991
19:56.25	CHRISTIE CIRAULO	USA	2004	3:01.25	JENNIFER MERRITT	GBR	2002	5:56.98	ATIE PIJTAK	NED	2006
19:59.84	TRACY GRILLI	USA	2007	3:02.41	AVILA RHODES	CAN	2007	6:01.25	BARBARA DUNBAR	USA	1999
20:02.75	KATHI LINDSTROM	USA	2005	3:03.26	SUSAN JONES-ROY	USA	2001				
20:21.69	SUSAN SKIFF	GER	2005	50 M.	FLY			*****			
20:31.44	ARDETH MUELLER	USA	1991	30.38	ANGELA ZINGLER	GER	2005	*****	WOMEN 55-59		
50 M.	BACK			31.11	HARUMI SUGINUMA	JPN	2007	*****			
32.55	J SWAGERTY-HILL	USA	2002	31.16	LAURA VAL	USA	2001	50 M.	FREE		
32.67	K.ANDRUS-HUGHES	USA	2007	31.39	SACHIKO SAITO	JPN	2006	28.57	LAURA VAL	USA	2007
32.72	LAURA VAL	USA	2005	31.97	ROBIN PARISI	USA	2005	29.87	CONNY BOER-BUIJS	NED	2005
34.05	JOEL FELDMANN	USA	2002	31.97	JOEL FELDMANN	USA	2002	29.96	REGULA STEIGER	SUI	2007
34.32	EVIE LYNCH	USA	2005	32.41	STEPHANIE ROLLINS	USA	2007	30.37	ARDETH MUELLER	USA	1996
34.35	S.RAMOGER RIGAUD	FRA	2007	32.50	ARDETH MUELLER	USA	1991	30.56	JUDY WILSON	GBR	2000



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30.59	ROSARIO VIVANCO	PER	2005	36.10	MARGIT OHLSSON	SWE	2003	34.48	BARBARA DUNBAR	USA	2004
30.63	COLNY TUCKER	USA	2006	36.11	HIROMI SATO	JPN	1997	34.85	CHARLOTTE DAVIS	USA	2007
30.93	YOSHIKO KADOSAKA	JPN	2004	36.13	MICHIKO KIHARA	JPN	2003	100 M. FLY			
31.01	JOEL FELDMANN	USA	2006	100 M. BACK				1:10.55	LAURA VAL	USA	2007
31.09	KEIKO NAGANO	JPN	2007	1:13.56	LAURA VAL	USA	2007	1:12.99	JUDY WILSON	GBR	2001
100 M. FREE				1:16.25	BENEDICTE DUPREZ	FRA	2007	1:16.31	BARBARA DUNBAR	USA	2004
1:01.54	LAURA VAL	USA	2007	1:19.09	EVIE LYNCH	USA	2007	1:18.70	SUSANA BARKLEY	ESP	2000
1:06.51	CONNY BOER-BUIJS	NED	2005	1:19.20	BA BARNETT-SALLEE	USA	2001	1:18.75	ARDETH MUELLER	USA	1997
1:07.59	BARBARA DUNBAR	USA	2004	1:19.37	MARGIT OHLSSON	SWE	2003	1:21.03	M.NEUMEISTER	GER	2007
1:07.96	ROSARIO VIVANCO	PER	2005	1:19.47	DEBORAH BARTON	GBR	2003	1:21.21	HARRIET BERGER	GER	2002
1:08.01	CAROL FELLOWS	GBR	2001	1:19.61	SATOKO TAKEUJI	JPN	1997	1:21.21	BRIGITTE MERTEN	GER	2002
1:08.32	CATHY MERRITT	CAN	2007	1:20.73	MARGARET WILDING	GBR	1997	1:21.31	MARILYN EARP	AUS	2007
1:08.70	F WILLIAMSON	USA	2003	1:20.92	SILVANA ABREU	BRA	2000	1:22.22	YOSHIKO OSAKI	JPN	1994
1:09.06	BRIGITTE MERTEN	GER	2001	1:21.52	CATHY MERRITT	CAN	2007	200 M. FLY			
1:09.11	CHARLOTTE DAVIS	USA	2007	200 M. BACK				2:37.51	LAURA VAL	USA	2006
1:09.33	SANDERINA KRUGER	RSA	2005	2:42.43	LAURA VAL	USA	2007	2:47.18	BARBARA DUNBAR	USA	2004
200 M. FREE				2:47.09	BENEDICTE DUPREZ	FRA	2006	2:53.92	JUDY WILSON	GBR	2001
2:15.49	LAURA VAL	USA	2007	2:51.44	EVIE LYNCH	USA	2007	2:55.05	ARDETH MUELLER	USA	1996
2:27.59	BARBARA DUNBAR	USA	2004	2:53.14	ANNE CORK	GBR	2006	2:57.45	M.NEUMEISTER	GER	2007
2:28.30	ARDETH MUELLER	USA	1996	2:55.63	JANETTE JEFFREY	AUS	2005	2:58.57	SUSANA BARKLEY	ESP	2001
2:29.54	CONNY BOER-BUIJS	NED	2005	2:56.19	ANNE LABORWIT	USA	2005	3:08.77	JULIE CRAYFORD	GBR	2004
2:30.99	CAROL FELLOWS	GBR	2001	2:56.86	MARIA BALLA	FRA	2001	3:09.24	MIRA GUGLIELMI	ITA	2007
2:31.52	ROSARIO VIVANCO	PER	2005	2:57.57	VICKI SERIANNI	USA	2006	3:09.43	YOSHIKO OSAKI	JPN	1995
2:32.11	ANNE LABORWIT	USA	2005	2:58.08	DEBORAH BARTON	GBR	2003	3:14.20	MARILYN EARP	AUS	2007
2:32.29	F WILLIAMSON	USA	2003	2:58.14	JUDY HUMBARGER	USA	2007	100 M. I.M.			
2:32.63	BRIGITTE MERTEN	GER	2002	2:58.14	JACKIE MARR	USA	2000	1:13.84	LAURA VAL	USA	2007
2:32.96	DANIELLE OGIER	USA	2007	50 M. BRST				1:17.48	BRIGITTE MERTEN	GER	2002
400 M. FREE				38.32	JAN WICKS	AUS	2001	1:19.02	CAROLYN BOAK	USA	2001
4:47.03	LAURA VAL	USA	2007	38.63	MONIKA SENFTLEBEN	GER	1998	1:19.41	CATHY MERRITT	CAN	2007
5:01.53	BARBARA DUNBAR	USA	2004	38.73	YVONNE CATTRALL	CAN	2005	1:19.78	HARRIET BERGER	GER	2002
5:15.91	ARDETH MUELLER	USA	1996	39.01	BONNIE PRONK	CAN	1998	1:20.00	YVONNE LEONOV	ISR	2003
5:19.25	NANCY RIDOUT	USA	1999	39.35	DALE BARNHARD	USA	2003	1:20.37	CAROL FELLOWS	GBR	2001
5:21.44	ANNE LABORWIT	USA	2005	39.41	REGULA STEIGER	SUI	2007	1:20.69	JANETTE JEFFREY	AUS	2007
5:21.45	DANIELLE OGIER	USA	2007	39.47	BARBARA HUMMEL	USA	2007	1:20.81	DANIELLE OGIER	USA	2007
5:22.59	F WILLIAMSON	USA	2003	39.64	RENATE ZSCHOCKELT	GER	1998	1:20.81	SUSANA BARKLEY	ESP	2000
5:25.22	MARGARETA RAINER	SWE	2004	39.89	JENNIFER MERRITT	GBR	2006	200 M. I.M.			
5:28.84	SUSAN HAIGH	GBR	2007	39.99	BRIGITTE KUHL	GER	2007	2:40.70	LAURA VAL	USA	2007
5:29.06	SUSANA BARKLEY	ESP	2000	100 M. BRST				2:51.08	BRIGITTE MERTEN	GER	2004
800 M. FREE				1:25.63	YVONNE CATTRALL	CAN	2005	2:52.43	ARDETH MUELLER	USA	1997
9:54.40	LAURA VAL	USA	2007	1:25.66	REGULA STEIGER	SUI	2007	2:53.85	JANETTE JEFFREY	AUS	2006
10:17.86	BARBARA DUNBAR	USA	2004	1:25.92	BONNIE PRONK	CAN	1997	2:54.70	CATHY MERRITT	CAN	2007
10:49.51	DANIELLE OGIER	USA	2007	1:26.01	JENNIFER MERRITT	GBR	2006	2:56.12	BARBARA DUNBAR	USA	2004
10:56.19	ARDETH MUELLER	USA	2000	1:26.33	DALE BARNHARD	USA	2003	2:56.37	CHARLOTTE DAVIS	USA	2007
11:04.01	JEN THOMASSON	AUS	1998	1:27.94	BARBARA HUMMEL	USA	2007	2:57.20	DANIELLE OGIER	USA	2007
11:10.25	MARGARETA RAINER	SWE	2005	1:27.95	GINGER PIERSON	USA	2003	2:57.53	YOSHIKO OSAKI	JPN	1993
11:12.41	ANNE LABORWIT	USA	2005	1:28.13	FLORA CONNOLLY	GBR	1990	2:58.20	SUSANA BARKLEY	ESP	2000
11:13.84	SUSAN HAIGH	GBR	2007	1:28.19	DEB WALKER	USA	2007	400 M. I.M.			
11:14.06	HELLA VERSVELD	CAN	2005	1:28.69	MONIKA SENFTLEBEN	GER	1997	5:43.32	LAURA VAL	USA	2007
11:17.98	HEIDI ERNST	USA	2007	200 M. BRST				6:04.58	BARBARA DUNBAR	USA	2004
1500 M. FREE				3:06.41	JENNIFER MERRITT	GBR	2006	6:09.78	BRIGITTE MERTEN	GER	2002
19:20.76	LAURA VAL	USA	2006	3:08.87	BONNIE PRONK	CAN	1997	6:10.45	CHARLOTTE DAVIS	USA	2007
19:24.70	BARBARA DUNBAR	USA	2004	3:10.93	HANNELORE ROSE	GER	1999	6:11.73	JEN THOMASSON	AUS	1998
20:49.11	JEN THOMASSON	AUS	1998	3:11.28	ELAINE BROMWICH	GBR	1997	6:12.91	ARDETH MUELLER	USA	2000
21:20.29	SUSAN HAIGH	GBR	2007	3:12.11	CATHY MERRITT	CAN	2007	6:14.01	MIRA GUGLIELMI	ITA	2007
21:32.76	HELLA VERSVELD	CAN	2005	3:12.18	DALE BARNHARD	USA	2003	6:17.37	JULIE CRAYFORD	GBR	2003
21:35.84	LAVELLE STOINOFF	USA	1989	3:12.85	FLORA CONNOLLY	GBR	1990	6:17.87	JANETTE JEFFREY	AUS	2007
21:42.72	MIRA GUGLIELMI	ITA	2007	3:12.90	DEB WALKER	USA	2007	6:22.53	JACKIE MARR	USA	2000
21:52.77	JULIE CRAYFORD	GBR	2003	3:13.70	JEN THOMASSON	AUS	1999	*****			
21:53.06	JACKIE MARR	USA	2001	3:14.71	JOANN LEILICH	USA	1997	WOMEN 60-64			
21:56.12	MARCIA BARRY	USA	2003	50 M. FLY				*****			
50 M. BACK				31.79	LAURA VAL	USA	2006	50 M. FREE			
32.95	LAURA VAL	USA	2007	31.92	JUDY WILSON	GBR	2000	31.39	LYNETTE STEVENSON	AUS	2006
34.76	BENEDICTE DUPREZ	FRA	2007	33.66	CONNY BOER-BUIJS	NED	2005	31.84	JUDY WILSON	GBR	2004
35.00	DEBORAH BARTON	GBR	2004	33.66	ARDETH MUELLER	USA	1997	32.04	KAYE BEER	AUS	2006
35.82	SILVANA NABUCO	BRA	1998	33.76	YOSHIKO KADOSAKA	JPN	2004	32.09	CAROLYN BOAK	USA	2006
35.88	SATOKO TAKEUJI	JPN	1997	33.85	YVONNE LEONOV	ISR	2003	32.15	CHRISTEL SCHULZ	GER	2003
36.02	CAROL FELLOWS	GBR	2001	33.90	JOEL FELDMANN	USA	2006	32.55	YOSHIKO OSAKI	JPN	2002
36.07	BA BARNETT-SALLEE	USA	2001	34.36	DEBORAH BARTON	GBR	2004				



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32.75	JEN THOMASSON	AUS	2005	38.74	BETSY JORDAN	USA	1997	100 M. FLY			
32.92	JACKIE MARR	USA	2003	38.77	PENELOPE STEELE	AUS	2007	1:16.41	JUDY WILSON	GBR	2004
33.07	JAYNE BRUNER	USA	1995	100 M. BACK				1:21.22	BRIGITTE MERTEN	GER	2006
33.12	JOY WARD	USA	2002	1:20.02	MARGIT OHLSSON	SWE	2006	1:21.87	HARRIET BERGER	GER	2004
100 M. FREE				1:21.06	SATOKO TAKEUJI	JPN	2003	1:23.78	YOSHIKO OSAKI	JPN	1999
1:10.53	JUDY WILSON	GBR	2004	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	1:28.78	BONNIE PRONK	CAN	2003
1:11.41	CHRISTEL SCHULZ	GER	2001	1:24.16	BETSY JORDAN	USA	1997	1:28.81	SUSANA BARKLEY	ESP	2005
1:11.56	YOSHIKO OSAKI	JPN	2001	1:24.36	LYNETTE STEVENSON	AUS	2007	1:29.15	HEIKE HOLER	GER	1996
1:12.06	JEN THOMASSON	AUS	2004	1:24.58	PENNY STEELE	AUS	2006	1:29.70	HANNELORE ROSE	GER	2002
1:12.20	BRIGITTE MERTEN	GER	2006	1:24.63	BONNIE PRONK	CAN	2002	1:29.70	CHRISTINE PARFECT	GBR	2001
1:12.39	JACKIE MARR	USA	2003	1:25.41	SILVANA ABREU	BRA	2001	200 M. FLY			
1:13.23	CAROL FELLOWS	GBR	2006	1:26.18	JULIE GUNTHERP	NZL	2007	3:05.20	YOSHIKO OSAKI	JPN	2000
1:13.50	JAYNE BRUNER	USA	1996	200 M. BACK				3:07.04	JUDY WILSON	GBR	2004
1:14.09	LYNETTE STEVENSON	AUS	2006	2:56.06	BONNIE PRONK	CAN	2002	3:13.71	ARDETH MUELLER	USA	2004
200 M. FREE				2:57.92	MARGARET WILDING	GBR	2000	3:21.73	JUDIE OLIVER	CAN	1992
2:38.32	YOSHIKO OSAKI	JPN	1999	2:58.33	MARGIT OHLSSON	SWE	2007	3:23.67	GINGER PIERSON	USA	2006
2:38.37	JUDY WILSON	GBR	2004	3:01.86	JACKIE MARR	USA	2003	3:24.49	BONNIE PRONK	CAN	2003
2:39.92	LAVELLE STOINOFF	USA	1993	3:04.06	JULIE GUNTHERP	NZL	2007	3:25.79	LINDA MACPHERSON	CAN	1998
2:39.96	JACKIE MARR	USA	2003	3:05.27	BETSY JORDAN	USA	1997	3:26.26	JACKIE MARR	USA	2004
2:41.02	CAROLYN BOAK	USA	2006	3:05.82	CHRISTEL SCHULZ	GER	2004	3:26.34	SARAH WELCH	USA	2007
2:41.83	CAROL FELLOWS	GBR	2006	3:06.88	SILVANA ABREU	BRA	2001	3:27.26	SILVANA ABREU	BRA	2004
2:42.41	ARDETH MUELLER	USA	2005	3:07.41	JEN THOMASSON	AUS	2006	100 M. I.M.			
2:43.87	JEN THOMASSON	AUS	2006	3:08.97	MARY POHLMANN	USA	2005	1:19.09	BRIGITTE MERTEN	GER	2006
2:44.11	SUZANNE DILLS	USA	2005	50 M. BRST				1:21.05	BONNIE PRONK	CAN	2002
2:45.66	CHRISTEL SCHULZ	GER	2001	38.60	MONIKA SENFTLEBEN	GER	2002	1:21.20	HARRIET BERGER	GER	2004
400 M. FREE				38.97	BONNIE PRONK	CAN	2002	1:21.51	MARIE FUHRMANN	FRA	2007
5:27.75	JACKIE MARR	USA	2003	39.77	JAN WICKS	AUS	2006	1:22.57	YOSHIKO OSAKI	JPN	2000
5:30.24	YOSHIKO OSAKI	JPN	2000	40.98	HANNELORE ROSE	GER	2002	1:22.69	MARGIT OHLSSON	SWE	2007
5:38.06	LAVELLE STOINOFF	USA	1993	41.27	GINGER PIERSON	USA	2006	1:22.92	LYNETTE STEVENSON	AUS	2006
5:38.72	ARDETH MUELLER	USA	2004	41.35	JOANN LEILICH	USA	2000	1:23.00	CHRISTEL SCHULZ	GER	2002
5:45.96	JEN THOMASSON	AUS	2007	41.35	ELAINE BROMWICH	GBR	2004	1:24.82	SILVANA ABREU	BRA	2002
5:46.39	CAROL FELLOWS	GBR	2006	41.74	JAYNE BRUNER	USA	1996	1:24.91	JACKIE MARR	USA	2003
5:46.84	LINDA SHOENBERGER	USA	2007	41.84	NOBUKO YASUDA	JPN	2006	200 M. I.M.			
5:50.14	JUDY WILSON	GBR	2004	41.86	JUDY ALDEN	GBR	2007	2:54.07	CAROLE BATES	GBR	1998
5:51.07	CHRISTEL SCHULZ	GER	2004	100 M. BRST				2:55.72	BONNIE PRONK	CAN	2002
5:52.58	SUSANA BARKLEY	ESP	2005	1:26.43	HANNELORE ROSE	GER	2002	2:57.46	HARRIET BERGER	GER	2004
800 M. FREE				1:26.56	BONNIE PRONK	CAN	2002	2:59.95	YOSHIKO OSAKI	JPN	1998
11:18.60	YOSHIKO OSAKI	JPN	2000	1:29.68	MONIKA SENFTLEBEN	GER	2002	3:03.22	JACKIE MARR	USA	2003
11:24.28	ARDETH MUELLER	USA	2004	1:30.41	NOBUKO YASUDA	JPN	2006	3:03.36	MARGIT OHLSSON	SWE	2006
11:30.55	LAVELLE STOINOFF	USA	1993	1:30.58	JOANN LEILICH	USA	2000	3:04.75	SILVANA ABREU	BRA	2002
11:34.09	JACKIE MARR	USA	2004	1:30.76	DIANE FORD	GBR	2007	3:04.83	CHRISTEL SCHULZ	GER	2001
11:48.52	JEN THOMASSON	AUS	2005	1:31.01	GINGER PIERSON	USA	2006	3:07.92	NOBUKO YASUDA	JPN	2005
11:53.88	SUZANNE DILLS	USA	2005	1:32.20	ELAINE BROMWICH	GBR	2002	3:08.69	JEN THOMASSON	AUS	2006
11:56.74	LINDA SHOENBERGER	USA	2007	1:33.20	ROTRAUD PALMER	GBR	2001	400 M. I.M.			
12:01.84	BONNIE PRONK	CAN	2003	1:33.64	MASAYO AZUMA	JPN	1998	6:25.24	BONNIE PRONK	CAN	2002
12:05.86	HANNELORE ROSE	GER	2005	200 M. BRST				6:27.20	JACKIE MARR	USA	2003
12:06.07	JUDY WILSON	GBR	2007	3:06.48	BONNIE PRONK	CAN	2002	6:27.23	HANNELORE ROSE	GER	2002
1500 M. FREE				3:07.44	HANNELORE ROSE	GER	2002	6:28.22	YOSHIKO OSAKI	JPN	1999
21:33.34	JACKIE MARR	USA	2003	3:18.15	DIANE FORD	GBR	2005	6:41.60	JEN THOMASSON	AUS	2007
21:59.83	YOSHIKO OSAKI	JPN	1998	3:18.20	NOBUKO YASUDA	JPN	2005	6:48.57	JUDIE OLIVER	CAN	1993
22:16.92	LINDA SHOENBERGER	USA	2007	3:18.25	JOANN LEILICH	USA	2001	6:50.30	SUZANNE DILLS	USA	2005
22:23.62	BARNI WARNHURST	CAN	1988	3:20.65	ELAINE BROMWICH	GBR	2003	6:55.79	JULIE GUNTHERP	NZL	2007
22:54.51	LAVELLE STOINOFF	USA	1994	3:20.83	MASAYO AZUMA	JPN	1998	6:56.43	RUTH SHAPS	USA	2007
22:59.19	BONNIE PRONK	CAN	2003	3:21.22	MONIKA SENFTLEBEN	GER	2002	6:56.67	MARGOT PETTIJOHN	USA	2007
23:02.23	JUDY WILSON	GBR	2007	3:22.80	LUISE KNOPFLE	GER	2001	*****			
23:28.15	CLARA WALKER	USA	1990	3:23.56	YOSHIE OGASAWARA	JPN	2006	*****			
23:28.88	ELAINE BLOWER	GBR	2007	50 M. FLY				*****			
23:29.04	PENNY WEBSTER	GBR	2002	33.38	JUDY WILSON	GBR	2004	*****			
50 M. BACK				35.03	MICHIE DOI	JPN	2005	50 M. FREE			
36.27	LYNETTE STEVENSON	AUS	2006	36.00	BRIGITTE MERTEN	GER	2006	31.91	HEIDE LORBERG	GER	2004
36.38	SATOKO TAKEUJI	JPN	2002	36.00	HARRIET BERGER	GER	2004	32.25	CHRISTEL SCHULZ	GER	2005
36.42	MARGIT OHLSSON	SWE	2005	36.04	YOSHIKO OSAKI	JPN	1999	32.77	PAM HUTCHINGS	AUS	2002
36.92	MARGARET WILDING	GBR	2000	36.27	JOY WARD	USA	2002	33.09	YOSHIKO OSAKI	JPN	2005
36.99	SILVANA ABREU	BRA	2003	36.31	JAN WICKS	AUS	2006	34.04	OLGA KREJCI	SUI	2002
37.36	HIROMI SATO	JPN	2004	36.43	SILVANA ABREU	BRA	2002	34.07	TOSHIE NODA	JPN	2007
37.71	PENNY STEELE	AUS	2006	36.72	CHRISTEL SCHULZ	GER	2004	34.17	GAIL ROPER	USA	1996
38.57	HELEN TRIPPE	GBR	2007	36.72	ARDETH MUELLER	USA	2004	34.33	SIGRID KOCH	GER	2007



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34.34	JANE ASHER	GBR	1997	100 M. BACK		1:25.28	YOSHIKO OSAKI	JPN	2003		
34.38	ODETTE LUSIEN	FRA	1993	1:25.00	BONNIE PRONK	CAN	2007	1:29.13	CHRISTEL SCHULZ	GER	2006
100 M. FREE				1:25.53	PAM HUTCHINGS	AUS	2001	1:31.92	HELGA REICH	GER	2001
1:10.97	CHRISTEL SCHULZ	GER	2005	1:25.61	SILVANA ABREU	BRA	2006	1:33.07	CHRISTINE PARFECT	GBR	2004
1:13.48	YOSHIKO OSAKI	JPN	2004	1:26.96	BETSY JORDAN	USA	2002	1:33.10	GAIL ROPER	USA	1995
1:16.26	GAIL ROPER	USA	1996	1:28.80	CHRISTEL SCHULZ	GER	2006	1:33.27	JUDIE OLIVER	CAN	1997
1:17.02	PAM HUTCHINGS	AUS	2001	1:28.82	V.JOHANSSON	SWE	2001	1:34.83	HAIKE HOLER	GER	2002
1:17.08	JANE ASHER	GBR	1997	1:30.41	DORIS STEADMAN	USA	1989	1:34.93	HISAKO SATO	JPN	2001
1:19.69	V.JOHANSSON	SWE	2002	1:31.22	JOY WARD	USA	2007	1:35.28	LYNN LUND	USA	2005
1:19.78	BETH SCHREINER	USA	2007	1:31.33	GRETHE BENDTSEN	DEN	1995	1:35.71	BONNIE PRONK	CAN	2007
1:19.87	HELGA REICH	GER	2002	1:32.03	JANET BROWN	GBR	2006	200 M. FLY			
1:20.28	JAYNE BRUNER	USA	2000	200 M. BACK				3:17.36	YOSHIKO OSAKI	JPN	2003
1:20.77	CLARA WALKER	USA	1996	3:01.88	BONNIE PRONK	CAN	2007	3:28.93	HELGA REICH	GER	2002
200 M. FREE				3:08.42	CHRISTEL SCHULZ	GER	2006	3:29.98	SILVANA ABREU	BRA	2006
2:42.05	YOSHIKO OSAKI	JPN	2004	3:08.61	PAM HUTCHINGS	AUS	2001	3:31.98	FLORA CONNOLLY	GBR	1999
2:44.02	CHRISTEL SCHULZ	GER	2005	3:12.09	SILVANA ABREU	BRA	2006	3:32.93	JUNE KRAUSER	USA	1995
2:47.42	PAM HUTCHINGS	AUS	2002	3:15.36	BETSY JORDAN	USA	2002	3:33.38	JUDIE OLIVER	CAN	1997
2:50.40	JANE ASHER	GBR	1997	3:15.72	DORIS STEADMAN	USA	1989	3:35.80	GAIL ROPER	USA	1995
2:53.83	SILVANA ABREU	BRA	2006	3:17.17	JOY WARD	USA	2007	3:38.27	BONNIE PRONK	CAN	2007
2:54.15	GAIL ROPER	USA	1996	3:18.33	V.JOHANSSON	SWE	2002	3:42.91	JOY WARD	USA	2007
2:55.17	HANNELORE ROSE	GER	2007	3:18.42	FLORA CONNOLLY	GBR	1999	3:42.95	LYNN LUND	USA	2005
2:55.27	LINDA MACPHERSON	CAN	2004	3:20.51	KAZUKO ITO	JPN	2007	100 M. I.M.			
2:55.51	LAVELLE STOINOFF	USA	2002	50 M. BRST				1:24.95	YOSHIKO OSAKI	JPN	2005
2:56.41	HELGA REICH	GER	2001	41.55	BONNIE PRONK	CAN	2007	1:25.00	CHRISTEL SCHULZ	GER	2005
400 M. FREE				41.65	MONIKA SENFTLEBEN	GER	2007	1:27.69	BONNIE PRONK	CAN	2007
5:46.94	YOSHIKO OSAKI	JPN	2003	42.35	JOANN LEILICH	USA	2005	1:28.61	SHOKO YONEZAWA	JPN	2001
5:56.24	CHRISTEL SCHULZ	GER	2006	43.07	SHOKO YONEZAWA	JPN	2002	1:28.95	GAIL ROPER	USA	1996
5:59.10	LAVELLE STOINOFF	USA	2002	43.27	ELIANE PELLIS	BEL	1998	1:29.34	SILVANA ABREU	BRA	2006
6:00.99	JANE ASHER	GBR	1996	43.83	ROTRAUD PALMER	GBR	2006	1:30.38	KEIKO YAMADA	JPN	2003
6:01.13	HANNELORE ROSE	GER	2007	43.87	A.LEENE-RODAHL	NZL	1999	1:30.70	JANE ASHER	GBR	1996
6:01.13	V.JOHANSSON	SWE	2001	44.13	YOSHIKO OSAKI	JPN	2003	1:32.30	JOANN LEILICH	USA	2005
6:02.93	HELGA REICH	GER	2001	44.55	JAYNE BRUNER	USA	2000	1:32.95	KAZUKO ITO	JPN	2007
6:09.48	BONNIE PRONK	CAN	2007	44.57	ELAINE BROMWICH	GBR	2007	200 M. I.M.			
6:13.42	CLARA WALKER	USA	1992	44.57	LUISE KNOPFLE	GER	2004	3:06.37	YOSHIKO OSAKI	JPN	2004
6:13.84	SARAH KOPSKY	USA	2006	100 M. BRST				3:10.11	HANNELORE ROSE	GER	2007
800 M. FREE				1:31.87	BONNIE PRONK	CAN	2007	3:10.12	BONNIE PRONK	CAN	2007
11:49.70	YOSHIKO OSAKI	JPN	2003	1:32.37	JOANN LEILICH	USA	2004	3:15.59	FLORA CONNOLLY	GBR	2000
12:20.68	LAVELLE STOINOFF	USA	2002	1:33.03	HANNELORE ROSE	GER	2007	3:18.77	CLARA WALKER	USA	1991
12:26.85	JANE ASHER	GBR	1999	1:33.89	LUISE KNOPFLE	GER	2004	3:19.06	GAIL ROPER	USA	1996
12:34.61	BONNIE PRONK	CAN	2007	1:34.50	MASAYO AZUMA	JPN	2000	3:19.87	JANE ASHER	GBR	1996
12:35.26	CLARA WALKER	USA	1992	1:36.24	SHOKO YONEZAWA	JPN	2001	3:20.86	SILVANA ABREU	BRA	2006
12:36.40	HELGA REICH	GER	2002	1:36.45	FLORA CONNOLLY	GBR	1998	3:21.73	KAZUKO ITO	JPN	2007
12:44.20	SARAH KOPSKY	USA	2006	1:36.52	ELIANE PELLIS	BEL	1998	3:24.04	SHOKO YONEZAWA	JPN	2001
12:49.22	LINDA MACPHERSON	CAN	2003	1:36.57	YOSHIKO OSAKI	JPN	2003	400 M. I.M.			
12:51.30	V.JOHANSSON	SWE	2003	1:37.10	MONIKA SENFTLEBEN	GER	2007	6:34.95	YOSHIKO OSAKI	JPN	2003
12:53.15	FLORA CONNOLLY	GBR	2000	200 M. BRST				6:49.48	BONNIE PRONK	CAN	2007
1500 M. FREE				3:17.44	JOANN LEILICH	USA	2004	6:57.58	FLORA CONNOLLY	GBR	2000
22:35.98	YOSHIKO OSAKI	JPN	2004	3:20.83	LUISE KNOPFLE	GER	2004	7:01.55	JUDIE OLIVER	CAN	1999
23:38.44	CLARA WALKER	USA	1992	3:23.72	BONNIE PRONK	CAN	2007	7:07.28	SILVANA ABREU	BRA	2006
23:44.34	JANE ASHER	GBR	1996	3:24.31	MASAYO AZUMA	JPN	2000	7:07.69	GAIL ROPER	USA	1996
23:54.51	BONNIE PRONK	CAN	2007	3:26.40	FLORA CONNOLLY	GBR	2000	7:12.40	HELGA REICH	GER	2003
24:11.37	SILVANA ABREU	BRA	2006	3:26.55	YOSHIKO OSAKI	JPN	2004	7:13.26	JUNE KRAUSER	USA	1995
24:12.34	HELGA REICH	GER	2002	3:29.02	LOTTE MULLER	GER	1999	7:20.51	LYNN LUND	USA	2005
24:31.69	SUSAN MUNN	USA	2003	3:29.93	ELIANE PELLIS	BEL	1998	7:20.69	BETSY JORDAN	USA	2002
24:41.83	JUNE KRAUSER	USA	1991	3:31.44	TAYO FUJIEDA	JPN	2002	*****			
24:43.59	REIKO ISHIZAKI	JPN	2005	3:32.00	SHOKO YONEZAWA	JPN	2000	*****			
25:07.47	BARBARA FENTIMAN	GBR	2003	50 M. FLY				WOMEN 70-74			
50 M. BACK				36.36	CHRISTEL SCHULZ	GER	2005	*****			
37.47	SILVANA ABREU	BRA	2006	36.79	YOSHIKO OSAKI	JPN	2003	50 M. FREE			
37.63	SATOKO TAKEUJI	JPN	2007	38.06	JOY WARD	USA	2007	33.86	JANE ASHER	GBR	2004
38.25	PAM HUTCHINGS	AUS	2001	38.09	HISAKO SATO	JPN	2000	35.14	GERD DURRE	GER	2006
39.11	BONNIE PRONK	CAN	2007	38.44	GAIL ROPER	USA	1995	35.37	GAIL ROPER	USA	1999
39.65	HIROMI SATO	JPN	2007	38.46	HAIKE HOLER	GER	2004	35.60	FUSAKO HIROOKA	JPN	2007
40.11	BETSY JORDAN	USA	2003	38.72	HARUMI SUGIMOTO	JPN	2003	35.86	PAM HUTCHINGS	AUS	2006
40.48	DORIS STEADMAN	USA	1989	38.78	SARAH KOPSKY	USA	2006	36.13	OLGA KREJCI	SUI	2007
41.05	CHRISTEL SCHULZ	GER	2005	38.91	SILVANA ABREU	BRA	2006	36.34	HISAKO SATO	JPN	2006
41.72	V.JOHANSSON	SWE	2001	39.11	JANE ASHER	GBR	1998	36.87	LOTTIE GEURTS	NED	2007
41.82	JOY WARD	USA	2007	100 M. FLY				36.87	SHOKO YONEZAWA	JPN	2005



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36.94	JOHNNIE DETRICK	USA	2005	1:29.93	BETSY JORDAN	USA	2007	1:34.86	HELGA REICH	GER	2006
100 M. FREE				1:31.24	SHOKO YONEZAWA	JPN	2005	1:37.56	GAIL ROPER	USA	1999
1:16.45	JANE ASHER	GBR	2004	1:31.31	V.JOHANSSON	SWE	2005	1:38.39	HAIKE HOLER	GER	2006
1:18.67	GAIL ROPER	USA	1999	1:34.24	NANCY BROWN	USA	2006	1:39.02	JUDIE OLIVER	CAN	2002
1:21.57	HELGA REICH	GER	2007	1:34.51	GRETHE BENDTSEN	DEN	2000	1:40.05	HISAKO SATO	JPN	2006
1:22.10	V.JOHANSSON	SWE	2007	1:35.27	JANE ASHER	GBR	2001	1:40.20	JUNE KRAUSER	USA	1996
1:22.18	PAM HUTCHINGS	AUS	2007	1:35.66	DORIS STEADMAN	USA	1995	1:47.18	SYLVIA NEUHAUSER	AUT	2000
1:22.99	LOTTIE GEURTS	NED	2006	1:36.33	MISAO MATSUMOTO	JPN	2007	1:48.55	ANN HIRSCH	USA	2001
1:23.35	SHOKO YONEZAWA	JPN	2006	1:36.72	PAM HUTCHINGS	AUS	2006	1:49.82	TRICIA LIDDY	AUS	2006
1:23.56	NANCY BROWN	USA	2006	1:37.09	JOAN PARNELL	CAN	1999	200 M. FLY			
1:23.98	HISAKO SATO	JPN	2006	200 M. BACK				3:37.23	HELGA REICH	GER	2006
1:24.69	BARBARA FENTIMAN	GBR	2004	3:18.61	V.JOHANSSON	SWE	2005	3:38.39	JUNE KRAUSER	USA	1996
200 M. FREE				3:20.96	JANE ASHER	GBR	2001	3:44.96	JANE ASHER	GBR	2001
2:49.28	JANE ASHER	GBR	2003	3:25.04	NANCY BROWN	USA	2006	3:45.64	GAIL ROPER	USA	1999
2:55.57	HELGA REICH	GER	2007	3:27.79	DORIS STEADMAN	USA	1995	3:55.59	JUDIE OLIVER	CAN	2004
2:58.06	GAIL ROPER	USA	2000	3:29.29	JUDIE OLIVER	CAN	2002	3:58.01	BETTY RUSS	USA	1997
3:00.93	NANCY BROWN	USA	2006	3:31.10	BETSY JORDAN	USA	2007	4:03.04	SYLVIA EISELE	CAN	2000
3:01.98	MAREN PISKORA	GER	2007	3:31.52	PAM HUTCHINGS	AUS	2006	4:03.47	HISAKO SATO	JPN	2006
3:04.77	JEAN TROY	USA	1998	3:34.00	GRETHE BENDTSEN	DEN	2002	4:05.29	LOIS NOCHMAN	USA	1998
3:06.05	HISAKO SATO	JPN	2006	3:35.27	EVA JAROSOVA	CZE	2006	4:06.93	ANN HIRSCH	USA	2001
3:06.44	RONNIE KAMPHAUSEN	USA	2004	3:35.41	NANCY MACBETH	USA	1999	100 M. I.M.			
3:06.86	LOTTIE GEURTS	NED	2006	50 M. BRST				1:27.80	SHOKO YONEZAWA	JPN	2005
3:07.16	JUNE KRAUSER	USA	1996	42.80	SHOKO YONEZAWA	JPN	2005	1:32.23	GAIL ROPER	USA	2000
400 M. FREE				45.08	EDITH BOEHM	GER	1999	1:33.49	JANE ASHER	GBR	2003
6:00.34	JANE ASHER	GBR	2003	45.55	MASAYO AZUMA	JPN	2005	1:34.10	JUDIE OLIVER	CAN	2002
6:19.80	HELGA REICH	GER	2006	45.56	ERIKA LANGE	GER	1998	1:35.21	HELGA REICH	GER	2006
6:24.11	BARBARA FENTIMAN	GBR	2004	46.50	ELIANE PELLIS	BEL	2007	1:36.29	V.ANN JOHANSSON	SWE	2006
6:27.21	GAIL ROPER	USA	1999	46.99	SYLVIA EISELE	CAN	2000	1:37.81	NANCY MACBETH	USA	1999
6:28.81	JUNE KRAUSER	USA	1996	47.29	ANN HIRSCH	USA	2001	1:38.32	BETSY JORDAN	USA	2007
6:29.70	HISAKO SATO	JPN	2006	47.56	KUMIE TOKUDA	JPN	2007	1:38.40	TAYO FUJIEDA	JPN	2007
6:30.94	NANCY BROWN	USA	2006	47.69	I.KEUSCH-RENNER	GER	2004	1:38.73	JUNE KRAUSER	USA	1996
6:32.39	RONNIE KAMPHAUSEN	USA	2004	47.80	GISELA GRUNER	GER	2007	200 M. I.M.			
6:35.14	TAYO FUJIEDA	JPN	2007	47.80	ODETTE LUSIEN	FRA	1997	3:21.52	JUDIE OLIVER	CAN	2002
6:41.64	DIANE STOWELL	USA	2004	100 M. BRST				3:24.64	JANE ASHER	GBR	2001
800 M. FREE				1:35.58	SHOKO YONEZAWA	JPN	2005	3:25.28	HELGA REICH	GER	2006
12:30.00	JANE ASHER	GBR	2004	1:36.94	MASAYO AZUMA	JPN	2005	3:26.44	SHOKO YONEZAWA	JPN	2006
13:00.04	BARBARA FENTIMAN	GBR	2004	1:41.38	TAYO FUJIEDA	JPN	2007	3:30.92	GAIL ROPER	USA	1999
13:03.64	HELGA REICH	GER	2006	1:42.61	ELIANE PELLIS	BEL	2006	3:31.29	JUNE KRAUSER	USA	1999
13:07.28	JUNE KRAUSER	USA	1996	1:42.62	EDITH BOEHM	GER	1999	3:32.12	V.JOHANSSON	SWE	2005
13:23.18	HISAKO SATO	JPN	2006	1:43.67	YUKO SAKAGAMI	JPN	2007	3:32.90	BETSY JORDAN	USA	2007
13:30.87	NANCY BROWN	USA	2006	1:44.50	ANN HIRSCH	USA	2001	3:33.45	NANCY BROWN	USA	2006
13:35.09	DIANE STOWELL	USA	2005	1:44.73	DIANE STOWELL	USA	2004	3:37.89	NANCY MACBETH	USA	1999
13:39.97	TAYO FUJIEDA	JPN	2007	1:44.80	SYLVIA NEUHAUSER	AUT	2000	400 M. I.M.			
13:49.85	LENIE VD MEER	NED	2007	1:45.56	A.VAN OBBERGHEN	BEL	2001	7:09.96	JANE ASHER	GBR	2001
14:01.77	DENISE ROBERTSON	AUS	2006	200 M. BRST				7:19.12	JUDIE OLIVER	CAN	2002
1500 M. FREE				3:28.98	MASAYO AZUMA	JPN	2005	7:24.32	JUNE KRAUSER	USA	1996
23:54.74	JANE ASHER	GBR	2004	3:30.16	SHOKO YONEZAWA	JPN	2005	7:34.98	URSULA FROHLICH	GER	2005
24:56.47	BARBARA FENTIMAN	GBR	2004	3:40.16	TAYO FUJIEDA	JPN	2007	7:36.99	GAIL ROPER	USA	1999
24:57.85	JUNE KRAUSER	USA	1996	3:43.02	DIANE STOWELL	USA	2005	7:47.33	BETSY JORDAN	USA	2007
25:14.99	HELGA REICH	GER	2006	3:44.03	JUDIE OLIVER	CAN	2002	7:47.34	NANCY BROWN	USA	2006
25:40.21	GAIL ROPER	USA	1999	3:44.57	ELIANE PELLIS	BEL	2004	7:48.97	NANCY MACBETH	USA	1999
26:05.82	NANCY BROWN	USA	2006	3:45.66	ANN HIRSCH	USA	2001	7:52.30	SYLVIA NEUHAUSER	AUT	2000
26:18.70	PETEY SMITH	USA	1994	3:48.92	ERIKA LANGE	GER	1998	8:02.39	SYLVIA EISELE	CAN	2000
26:26.54	MISAO MATSUMOTO	JPN	2007	3:49.85	GAIL ROPER	USA	1999	*****			
26:39.81	LENIE VD MEER	NED	2007	3:49.98	JANE ASHER	GBR	2001	WOMEN 75-79			
26:40.45	DENISE ROBERTSON	AUS	2005	50 M. FLY				*****			
50 M. BACK				39.44	JANE ASHER	GBR	2004	50 M. FREE			
41.23	SHOKO YONEZAWA	JPN	2005	40.56	HISAKO SATO	JPN	2006	35.88	JANE ASHER	GBR	2006
41.45	GERD DURRE	GER	2006	40.58	HAIKE HOLER	GER	2006	37.24	GAIL ROPER	USA	2004
41.70	BETSY JORDAN	USA	2007	40.66	GAIL ROPER	USA	1999	38.85	M. CUNNINGHAM	AUS	2002
42.58	DORIS STEADMAN	USA	1995	40.98	HISAKO KITAYAMA	JPN	2007	38.89	JEAN TROY	USA	2002
42.85	V.JOHANSSON	SWE	2005	41.16	HELGA REICH	GER	2006	39.06	KERSTIN GJORES	SWE	2002
42.86	GRETHE BENDTSEN	DEN	2000	42.47	JUDIE OLIVER	CAN	2002	39.73	OLGA JOHNSON	NZL	1996
43.01	PAM HUTCHINGS	AUS	2007	44.54	MASUMI TANI	JPN	1996	39.84	BETTY RUSS	USA	2004
43.15	JANE ASHER	GBR	2001	45.17	JUNE KRAUSER	USA	1996	39.92	BRITT GRILLI	SWE	2003
43.19	NANCY BROWN	USA	2006	45.44	EDITH BOEHM	GER	1999	39.96	FLORENCE CARR	USA	2001
43.45	JOAN PARNELL	CAN	1999	100 M. FLY				39.97	MITSUKO KOMURO	JPN	2006
100 M. BACK				1:34.70	JANE ASHER	GBR	2001				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2007)

100 M. FREE		1:39.76 DORIS STEADMAN	USA 2000	1:50.11 SYLVIA NEUHAUSER	AUT 2005
1:18.59 JANE ASHER	GBR 2006	1:41.65 GRETHE BENDTSEN	DEN 2006	1:52.25 JUNE KRAUSER	USA 2001
1:24.31 GAIL ROPER	USA 2005	1:43.73 JOAN PARNELL	CAN 2003	1:56.42 LOIS NOCHMAN	USA 1999
1:26.20 JEAN TROY	USA 2002	1:44.17 BETTY LORENZI	USA 2003	1:58.42 JEAN TROY	USA 2002
1:28.49 M. CUNNINGHAM	AUS 2000	1:45.15 KERSTIN GJORES	SWE 2002	2:00.46 ANN HIRSCH	USA 2006
1:30.54 FLORENCE CARR	USA 2001	1:46.88 KIMIKO OOKA	JPN 2004	2:01.80 CHIE TANI	JPN 2002
1:30.85 MITSUKO KOMURO	JPN 2005	1:47.77 BARBARA JACKSON	USA 2004	2:02.44 SYLVIA EISELE	CAN 2004
1:31.14 BRITT GRILLI	SWE 2003	1:48.13 WILLY VAN RYSEL	GBR 1991	200 M. FLY	
1:32.49 JOAN PARNELL	CAN 2004	1:49.05 DORIS MCEWAN	CAN 1999	4:00.46 JUDIE OLIVER	CAN 2007
1:32.62 MICHIKO OKUMURA	JPN 2007	200 M. BACK		4:06.06 JANE ASHER	GBR 2006
1:33.36 JUDIE OLIVER	CAN 2007	3:32.59 JANE ASHER	GBR 2006	4:08.39 LOIS KIVI NOCHMAN	USA 1999
200 M. FREE		3:38.25 DORIS STEADMAN	USA 1999	4:09.28 GAIL ROPER	USA 2004
2:57.19 JANE ASHER	GBR 2006	3:40.06 BETTY LORENZI	USA 2003	4:12.50 JUNE KRAUSER	USA 2001
3:07.58 GAIL ROPER	USA 2005	3:46.88 JOAN PARNELL	CAN 2003	4:33.31 BETTY RUSS	USA 2004
3:11.99 JEAN TROY	USA 2002	3:48.62 KIMIKO OOKA	JPN 2004	4:33.81 SYLVIA EISELE	CAN 2004
3:15.76 JUDIE OLIVER	CAN 2007	3:51.10 JUNE KRAUSER	USA 2001	4:39.22 ANN HIRSCH	USA 2006
3:21.48 M. CUNNINGHAM	AUS 2001	3:51.89 NANCY KINNEY	USA 2004	4:48.50 MAXINE MERLINO	USA 1988
3:22.38 MICHIKO OKUMURA	JPN 2007	3:56.02 SYLVIA NEUHAUSER	AUT 2005	4:58.40 JEAN DURSTON	USA 1989
3:23.10 JUNE KRAUSER	USA 2001	3:56.63 RUTH MORRILL	USA 1999	100 M. I.M.	
3:23.37 MITSUKO KOMURO	JPN 2006	3:58.36 CLARA WALKER	USA 2004	1:32.92 JANE ASHER	GBR 2006
3:23.69 LIZ WALLIS	AUS 2002	50 M. BRST		1:38.11 GAIL ROPER	USA 2004
3:24.60 BRITT GRILLI	SWE 2003	47.15 EDITH BOHM	GER 2003	1:38.73 JUDIE OLIVER	CAN 2007
400 M. FREE		47.87 A.OBBERGHEN	BEL 2007	1:45.44 SYLVIA NEUHAUSER	AUT 2004
6:09.40 JANE ASHER	GBR 2006	49.57 SATOKO SUZUKI	JPN 1998	1:46.18 M. CUNNINGHAM	AUS 2000
6:44.09 JEAN TROY	USA 2002	50.34 SYLVIA EISELE	CAN 2006	1:46.45 MICHIKO OKUMURA	JPN 2006
6:54.68 GAIL ROPER	USA 2004	50.37 TSUNEKO MITA	JPN 1998	1:46.51 JUNE KRAUSER	USA 2001
6:57.33 LIZ WALLIS	AUS 2002	50.38 MARIA CARVALHO	BRA 2004	1:46.72 JEAN TROY	USA 2002
7:00.56 JUNE KRAUSER	USA 2001	50.57 SYLVIA NEUHAUSER	AUT 2004	1:47.56 DORIS MCEWAN	CAN 1999
7:01.36 MARGERY MEYER	USA 1998	50.80 JANE ASHER	GBR 2006	1:48.31 GRETHE BENDTSEN	DEN 2006
7:06.73 MICHIKO OKUMURA	JPN 2007	50.91 GAIL ROPER	USA 2005	200 M. I.M.	
7:06.75 BRITT GRILLI	SWE 2003	51.32 CAROL TAYLOR	USA 2004	3:31.20 JANE ASHER	GBR 2006
7:13.87 M. CUNNINGHAM	AUS 2001	100 M. BRST		3:35.06 JUDIE OLIVER	CAN 2007
7:20.56 BETTY RUSS	USA 2003	1:45.89 A.OBBERGHEN	BEL 2007	3:37.24 GAIL ROPER	USA 2005
800 M. FREE		1:47.80 SYLVIA NEUHAUSER	AUT 2004	3:43.58 JUNE KRAUSER	USA 2001
12:42.75 JANE ASHER	GBR 2006	1:48.28 SATOKO SUZUKI	JPN 1998	3:49.91 JEAN TROY	USA 2002
13:59.01 JEAN TROY	USA 2002	1:49.85 JANE ASHER	GBR 2006	3:53.51 MICHIKO OKUMURA	JPN 2006
14:12.12 GAIL ROPER	USA 2005	1:51.59 ANN HIRSCH	USA 2006	4:01.38 GRETHE BENDTSEN	DEN 2006
14:21.26 MICHIKO OKUMURA	JPN 2006	1:51.99 EDITH BOHM	GER 2003	4:01.80 MITSUKO KOMURO	JPN 2007
14:29.27 LIZ WALLIS	AUS 2002	1:52.35 GAIL ROPER	USA 2004	4:02.01 ANN HIRSCH	USA 2006
14:30.66 BRITT GRILLI	SWE 2003	1:56.46 JEAN JOHNSON	AUS 2007	4:03.47 M. CUNNINGHAM	AUS 2000
14:40.11 JUNE KRAUSER	USA 2001	1:56.71 GRETHE BENDTSEN	DEN 2006	400 M. I.M.	
14:46.26 MARGERY MEYER	USA 1998	1:56.82 SYLVIA EISELE	CAN 2004	7:34.39 JANE ASHER	GBR 2006
14:58.84 DOROTHY DICKEY	AUS 2007	200 M. BRST		7:39.96 JUDIE OLIVER	CAN 2007
15:10.58 BETTY LORENZI	USA 2002	3:54.55 SYLVIA NEUHAUSER	AUT 2004	7:52.71 JUNE KRAUSER	USA 2001
1500 M. FREE		3:56.11 JANE ASHER	GBR 2006	8:05.23 GAIL ROPER	USA 2006
24:04.75 JANE ASHER	GBR 2006	3:58.95 A.VAN OBBERGHEN	BEL 2006	8:30.82 LOIS NOCHMAN	USA 1999
26:37.02 GAIL ROPER	USA 2005	4:03.16 ANN HIRSCH	USA 2006	8:30.87 JEAN TROY	USA 2002
27:14.94 MICHIKO OKUMURA	JPN 2006	4:03.79 GAIL ROPER	USA 2004	8:38.09 SYLVIA EISELE	CAN 2004
27:33.16 LIZ WALLIS	AUS 2002	4:10.22 SYLVIA EISELE	CAN 2004	8:38.74 KIMIKO OOKA	JPN 2004
27:39.46 JUNE KRAUSER	USA 2001	4:14.09 CAROL TAYLOR	USA 2004	8:48.88 BETTY RUSS	USA 2003
27:47.25 MARGERY MEYER	USA 1998	4:14.86 ERIKA LANGE	GER 2003	8:50.85 MICHIKO OKUMURA	JPN 2006
28:18.44 YOSHIKO KINOSHITA	JPN 2006	4:14.88 LILLY KRON	USA 2007	*****	
28:40.95 BETTY LORENZI	USA 2002	4:15.41 EIKO MORI	JPN 2002	WOMEN 80-84	
28:49.97 DOROTHY DICKEY	AUS 2005	50 M. FLY		*****	
29:13.50 BETTY RUSS	USA 2003	40.71 JANE ASHER	GBR 2006	50 M. FREE	
50 M. BACK		44.18 GAIL ROPER	USA 2004	41.34 MARGERY MEYER	USA 2002
43.50 JANE ASHER	GBR 2006	44.53 JUDIE OLIVER	CAN 2007	41.40 CHIE TANI	JPN 2007
44.76 DORIS STEADMAN	USA 1999	47.88 LOIS NOCHMAN	USA 1999	41.45 JEAN TROY	USA 2007
45.28 JOAN PARNELL	CAN 2004	48.69 MICHIKO OKUMURA	JPN 2007	41.78 M. CUNNINGHAM	AUS 2005
46.03 GRETHE BENDTSEN	DEN 2006	48.70 JEAN TROY	USA 2002	41.98 OLGA JOHNSON	NZL 2001
46.26 KERSTIN GJORES	SWE 2002	49.26 SYLVIA NEUHAUSER	AUT 2004	42.01 FLORENCE CARR	USA 2005
46.75 WILLY VAN RYSEL	GBR 1991	49.38 M. CUNNINGHAM	AUS 2000	42.37 MIEKO KAMOSHITA	JPN 2007
47.69 DORIS MCEWAN	CAN 1999	49.61 EDITH BOHM	GER 2003	43.08 KERSTIN GJORES	SWE 2007
48.19 BETTY LORENZI	USA 2003	49.95 JUNE KRAUSER	USA 2001	43.48 TOKUYO KAMIGAKI	JPN 2007
48.22 KIMIKO OOKA	JPN 2005	100 M. FLY		43.94 SETSUKO NISHIMURA	JPN 2006
48.35 EDITH BOHM	GER 2003	1:44.35 JUDIE OLIVER	CAN 2007	100 M. FREE	
100 M. BACK		1:45.10 JANE ASHER	GBR 2006	1:33.88 JEAN TROY	USA 2007
1:37.87 JANE ASHER	GBR 2006	1:49.36 GAIL ROPER	USA 2005		

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1:54.41	HISAKO KOGA	JPN	2002	2:23.98	ANNE WALKER	USA	2002	5:19.48	ELFIE STEVENIN	USA	2007
1:55.38	MARJORIE SHARPE	USA	2002	2:24.11	MAXINE MERLINO	USA	1998	200 M. FLY			
1:58.86	FUSAKO YAMANAKA	JPN	2005	2:25.46	HIDEKO HANADA	JPN	2004	5:42.80	JEAN DURSTON	USA	1999
2:00.31	AUDREY ETIENNE	USA	2001	200 M. BACK				6:01.46	MAXINE MERLINO	USA	1998
2:02.93	JOYCE FAUNCE	AUS	2006	4:18.50	EDITH THEIN	ISR	2003	6:26.75	JAE HOWELL	USA	2007
2:04.10	TERU USHIKI	JPN	2004	4:36.48	BUNNY CEDERLUND	USA	2006	6:45.75	JUNE REYNOLDS	USA	2007
2:04.80	BUNNY CEDERLUND	USA	2006	4:41.34	MARIA LENK	BRA	2000	7:12.95	JEWEL COOKE	USA	1996
200 M. FREE				4:41.38	PERSIS RAE	AUS	2005	7:15.07	KATHERINE PELTON	USA	1990
3:54.18	MARGERY MEYER	USA	2007	4:46.44	WILLY VAN RYSEL	GBR	2001	16:41.57	GERDA VOSS	CAN	2004
3:57.48	RITA SIMONTON	USA	2003	4:53.35	MARJORIE SHARPE	USA	2002	100 M. I.M.			
4:05.82	OLGA JOHNSON	NZL	2006	4:57.09	ANNE WALKER	USA	2001	2:12.85	JEWEL COOKE	USA	1995
4:10.40	HISAKO KOGA	JPN	2002	4:58.10	OLGA JOHNSON	NZL	2006	2:19.98	MARGERY MEYER	USA	2007
4:16.84	MARJORIE SHARPE	USA	2003	5:00.12	HIDEKO HANADA	JPN	2004	2:21.11	RITA SIMONTON	USA	2003
4:24.20	MAURINE KORNFELD	USA	2006	5:07.85	MAURINE KORNFELD	USA	2007	2:22.10	MARIA LENK	BRA	2000
4:26.28	CANDIDA GANDOLPHO	BRA	2006	50 M. BRST				2:23.05	MARIANNA BERKLEY	USA	2007
4:32.73	URSULA OEHMKE	GER	2004	1:04.29	MICHELE GUILLAIS	FRA	2006	2:25.02	JEAN DURSTON	USA	1999
4:36.42	MARIA LENK	BRA	2000	1:07.06	LIS KNUTZEN	DEN	2006	2:26.58	MICHELE GUILLAIS	FRA	2006
4:37.43	EDITH THEIN	ISR	2004	1:07.09	INGEBORG FRITZE	GER	2007	2:27.70	MAXINE MERLINO	USA	1998
400 M. FREE				1:08.15	FUSAKO TOMINARI	JPN	2004	2:32.74	DOROTHY WESTON	GBR	1998
8:17.82	RITA SIMONTON	USA	2003	1:08.39	MARIA LENK	BRA	2000	2:34.00	MICHIKO HAMURO	JPN	2004
8:45.92	MARJORIE SHARPE	USA	2002	1:09.22	EMMI PAULI	GER	1998	200 M. I.M.			
8:59.25	OLGA JOHNSON	NZL	2006	1:09.70	MARTI GOGNIAT	USA	1995	5:09.92	MARIA LENK	BRA	2000
9:10.49	MAURINE KORNFELD	USA	2006	1:10.04	GERTRUD ZINT	USA	2002	5:12.01	JEAN DURSTON	USA	1999
9:27.75	MARIA LENK	BRA	2000	1:10.37	MARIANNA BERKLEY	USA	2007	5:12.13	MAXINE MERLINO	USA	1998
9:29.01	JEAN DURSTON	USA	1999	1:10.47	DOROTHY WESTON	GBR	1998	5:26.90	RITA SIMONTON	USA	2004
9:34.27	MAXINE MERLINO	USA	1998	100 M. BRST				5:36.16	MARIANNA BERKLEY	USA	2007
9:55.19	WILLY VAN RYSEL	GBR	2001	2:28.12	LIS KNUTZEN	DEN	2006	5:44.41	JAE HOWELL	USA	2007
9:57.25	CANDIDA GANDOLPHO	BRA	2005	2:29.90	MARIA LENK	BRA	2000	6:10.88	JEWEL COOKE	USA	1995
10:19.41	JULIA DOLCE	USA	1995	2:33.87	EMMI PAULI	GER	1998	6:12.63	GERTRUD ZINT	USA	2002
800 M. FREE				2:36.99	INGEBORG FRITZE	GER	2007	6:18.36	MAURINE KORNFELD	USA	2007
16:49.43	RITA SIMONTON	USA	2003	2:37.44	FUSAKO TOMINARI	JPN	2002	6:25.11	EDITH GLUSAC	USA	2003
18:02.38	MAURINE KORNFELD	USA	2007	2:37.57	MICHIO HAMURO	JPN	2004	400 M. I.M.			
19:41.58	MAXINE MERLINO	USA	1998	2:38.48	MARTI GOGNIAT	USA	1995	10:55.73	JEAN DURSTON	USA	1999
20:28.81	MARJORIE SHARPE	USA	2003	2:38.91	DOROTHY WESTON	GBR	1998	11:02.02	MAXINE MERLINO	USA	1998
20:31.49	WILLY VAN RYSEL	GBR	2001	2:45.96	MAXINE MERLINO	USA	1998	12:24.66	JAE HOWELL	USA	2007
21:02.41	MARIA LENK	BRA	2001	2:46.38	JEAN DURSTON	USA	1999	12:30.12	JUNE REYNOLDS	USA	2007
21:38.16	LILLIAN WARREN	CAN	2004	200 M. BRST				13:24.08	JEWEL COOKE	USA	1996
21:44.00	KAY SCHIMPF	USA	2002	5:33.41	MICHIO HAMURO	JPN	2004	13:32.12	GERTRUD ZINT	USA	2003
22:22.74	JULIA DOLCE	USA	1995	5:39.33	MARIA LENK	BRA	2000	15:34.06	KATHERINE PELTON	USA	1991
22:23.51	KIKU ONO	JPN	2002	5:45.85	LIS KNUTZEN	DEN	2007	21:51.74	GERDA VOSS	CAN	2004
1500 M. FREE				5:46.07	MARIANNA BERKLEY	USA	2007	*****			
31:44.50	RITA SIMONTON	USA	2003	5:59.36	MARTI GOGNIAT	USA	1997	*****			
33:03.30	MARGERY MEYER	USA	2007	6:08.18	JAE HOWELL	USA	2007	*****			
37:28.53	MAXINE MERLINO	USA	1998	6:15.58	INGEBORG FRITZE	GER	2007	*****			
39:25.76	WILLY VAN RYSEL	GBR	2001	6:18.17	GERTRUD ZINT	USA	2003	50 M. FREE			
41:11.16	KAY SCHIMPF	USA	2002	6:20.38	CHARLOTTE SANDDAL	USA	2007	55.53	HISAKO KOGA	JPN	2007
42:10.95	JULIA DOLCE	USA	1995	6:30.68	BARBARA BOHM	GER	2007	1:05.20	WILLY VAN RYSEL	GBR	2006
42:54.05	KIKU ONO	JPN	2002	50 M. FLY				1:09.85	JEWEL COOKE	USA	2000
48:02.60	KATH JOHNSTONE	NZL	2003	1:07.35	JEAN DURSTON	USA	1999	1:10.19	MARIA LENK	BRA	2005
50 M. BACK				1:11.38	MARIA LENK	BRA	2000	1:10.26	DOROTHY WESTON	GBR	2003
57.62	BUNNY CEDERLUND	USA	2006	1:16.71	MAXINE MERLINO	USA	1998	1:10.74	SHIZUE SHIMIZU	JPN	2002
58.02	NOEL MORROW	CAN	2004	1:19.27	JUNE REYNOLDS	USA	2007	1:10.83	ANNE WALKER	USA	2006
58.38	MASA SHIGEMITSU	JPN	2000	1:23.85	JAE HOWELL	USA	2007	1:11.85	MARGO BATES	AUS	2000
59.67	WILLY VAN RYSEL	GBR	2001	1:24.22	JEWEL COOKE	USA	1996	1:13.90	M.GOTTSCHALK	GER	1999
1:00.12	MARGERY MEYER	USA	2007	1:24.51	DOROTHY WESTON	GBR	2002	1:14.25	SUMI SHIMOI	JPN	2004
1:00.39	MARJORIE SHARPE	USA	2002	1:24.53	KATHERINE PELTON	USA	1990	100 M. FREE			
1:00.71	FUSAKO TOMINARI	JPN	2003	1:26.72	RITA SIMONTON	USA	2006	2:23.66	WILLY VAN RYSEL	GBR	2006
1:01.06	MARIA LENK	BRA	2000	1:29.04	EDITH GLUSAC	USA	2003	2:35.08	MARIA LENK	BRA	2005
1:01.72	ANNE WALKER	USA	2001	100 M. FLY				2:35.08	JEWEL COOKE	USA	2000
1:02.13	OLGA JOHNSON	NZL	2006	2:36.50	JEAN DURSTON	USA	1999	2:47.04	KIKU ONO	JPN	2007
100 M. BACK				2:51.00	MAXINE MERLINO	USA	1998	2:52.25	MIEKO NAGAOKA	JPN	2007
2:10.33	BUNNY CEDERLUND	USA	2006	2:59.72	JUNE REYNOLDS	USA	2007	2:52.61	MARIE KELLEHER	USA	2005
2:11.03	WILLY VAN RYSEL	GBR	2001	3:05.69	JAE HOWELL	USA	2007	2:54.96	KATH JOHNSTONE	NZL	2007
2:11.09	PERSIS RAE	AUS	2005	3:20.81	JEWEL COOKE	USA	1996	2:55.47	MARGO BATES	AUS	2000
2:11.54	MARIA LENK	BRA	2000	3:22.29	EDITH GLUSAC	USA	2003	3:00.08	RINA DAVOGLIO	ITA	2003
2:13.95	NOEL MORROW	CAN	2004	3:29.58	KATHERINE PELTON	USA	1990	3:08.17	MASAKO MATSUNO	JPN	2006
2:16.59	MARJORIE SHARPE	USA	2002	4:21.96	EDIE GOLDMAN	USA	1997	200 M. FREE			
2:23.95	EDITH THEIN	ISR	2004	4:35.49	KIYOMI KITAMURA	JPN	2005	5:11.66	WILLY VAN RYSEL	GBR	2006



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5:21.30	MARIA LENK	BRA 2005	1:37.50	YOSHI KUCHIBA	JPN 1998	2:00.16	SHIZUE SHIMIZU	JPN 2006
5:34.59	MAXINE MERLINO	USA 2002	1:38.63	MADELEINE MILLER	USA 2000	2:04.24	ROSA SELLARES	ESP 2005
5:45.22	JEWEL COOKE	USA 2000	1:43.97	IRENE ADAMS	CAN 2005	2:05.36	MARGE ANDERSON	CAN 1998
5:51.94	KIKU ONO	JPN 2007	1:46.02	LUZIA CARACCILO	BRA 2004	2:10.49	BERNARDA ANGULO	ESP 2007
5:58.43	KATH JOHNSTONE	NZL 2007	1:49.01	DORRIE VANNING	NZL 1991	3:36.30	ELIZABETH DZIADUS	USA 2005
6:17.39	MARY LATHRAM	USA 2005	1:52.69	JEWEL COOKE	USA 1999	100 M. BACK		
6:23.75	MARGO BATES	AUS 2000	100 M. BRST			3:25.37	EDITH HENDRY	USA 2006
6:36.62	SUMI SHIMOI	JPN 2005	3:04.86	DOROTHY WESTON	GBR 2003	4:12.61	SHIZUE SHIMIZU	JPN 2006
6:39.34	MADELEINE MILLER	USA 2000	3:05.60	MARIA LENK	BRA 2005	4:36.75	ROSA SELLARES	ESP 2005
400 M. FREE			3:25.74	M.GOTTSCHALK	GER 1999	4:44.29	BERNARDA ANGULO	ESP 2007
10:01.56	HISAKO KOGA	JPN 2007	4:05.59	DORRIE VANNING	NZL 1991	5:12.32	MARGO BATES	AUS 2007
10:29.76	WILLY VAN RYSEL	GBR 2006	4:06.89	JEWEL COOKE	USA 1999	200 M. BACK		
10:45.34	MAXINE MERLINO	USA 2002	4:15.28	MADELEINE MILLER	USA 2000	7:36.62	EDITH HENDRY	USA 2006
11:10.67	MARIA LENK	BRA 2005	4:35.76	KATH JOHNSTONE	NZL 2007	9:37.39	ROSA SELLARES	ESP 2005
12:35.51	KIKU ONO	JPN 2007	6:13.66	MARGOT LENIGK	USA 2001	9:40.04	BERNARDA ANGULO	ESP 2007
12:36.38	KATH JOHNSTONE	NZL 2007	6:29.78	HILDA BUEL	USA 2005	11:55.69	MARGO BATES	AUS 2007
13:24.06	MARY LATHRAM	USA 2006	200 M. BRST					
14:06.61	MASAKO MATSUNO	JPN 2006	6:37.73	MARIA LENK	BRA 2005	*****		
14:16.35	ANNA BAUSCHER	USA 1993	9:03.85	JEWEL COOKE	USA 1999	WOMEN 100-104		
17:59.61	BERNARDA ANGULO	ESP 2004	10:00.45	KATH JOHNSTONE	NZL 2007	*****		
800 M. FREE			10:23.13	MADELEINE MILLER	USA 2000	*****		
21:16.76	WILLY VAN RYSEL	GBR 2006	14:53.20	HILDA BUEL	USA 2004	M E N 25-29		
22:18.84	MAXINE MERLINO	USA 2002	50 M. FLY			*****		
25:03.34	MARIA LENK	BRA 2007	1:34.61	DOROTHY WESTON	GBR 2003	50 M. FREE		
25:12.44	KATH JOHNSTONE	NZL 2007	1:35.56	MAXINE MERLINO	USA 2002	22.48	ED WAGNER	USA 1996
28:45.45	ANNA BAUSCHER	USA 1993	1:48.46	MARIE KELLEHER	USA 2006	22.48	ROBERT PEEL	USA 1993
1500 M. FREE			1:49.08	JEWEL COOKE	USA 2000	22.78	ANDREW MANLEY	GBR 2003
41:20.62	WILLY VAN RYSEL	GBR 2006	4:00.74	HILDA BUEL	USA 2004	22.78	BJORN ZIKARSKY	USA 1995
44:27.18	MAXINE MERLINO	USA 2002	4:45.13	ANNA BAUSCHER	USA 1993	22.80	RYAN LAURIN	CAN 2003
48:36.59	KATH JOHNSTONE	NZL 2007	100 M. FLY			22.81	SCOTT GREENWOOD	USA 2002
50 M. BACK			3:21.00	DOROTHY WESTON	GBR 2003	22.83	ERIK OSBORN	USA 1995
1:05.70	WILLY VAN RYSEL	GBR 2006	4:06.32	JEWELL COOK	USA 1999	22.92	STEFAN HERBST	GER 2005
1:13.75	MARIA LENK	BRA 2005	100 M. I.M.			22.93	ALEXANDER KAHL	GER 2005
1:15.02	M.GOTTSCHALK	GER 1999	3:06.08	DOROTHY WESTON	GBR 2003	23.00	SVEN GUSKE	GER 2001
1:16.60	ANNE WALKER	USA 2006	3:06.87	MAXINE MERLINO	USA 2004	100 M. FREE		
1:19.85	MIEKO NAGAOKA	JPN 2006	3:13.87	JEWEL COOKE	USA 1999	48.58	S.KUNZELMANN	GER 2005
1:22.64	JEWEL COOKE	USA 2000	3:31.92	MARIE KELLEHER	USA 2006	49.58	ANDREW MANLEY	GBR 2003
1:22.70	MARY LATHRAM	USA 2005	4:43.61	DOROTHY RIORDAN	USA 2004	49.91	BJORN ZIKARSKY	USA 1995
1:23.51	RINA DAVOGLIO	ITA 2002	5:08.94	BERNARDA ANGULO	ESP 2004	50.13	HERMAN LOUW	USA 2000
1:25.62	EDITH HENDRY	USA 2003	5:58.92	HILDA BUEL	USA 2005	50.55	DAN WEGNER	USA 2000
1:27.24	KATH JOHNSTONE	NZL 2007	200 M. I.M.			50.60	KLAUS HUEZ	ITA 2003
100 M. BACK			6:25.12	MAXINE MERLINO	USA 2003	50.88	JESPER LEVANDER	SWE 2006
2:26.64	WILLY VAN RYSEL	GBR 2006	6:56.70	JEWEL COOKE	USA 1999	50.88	MARK STEVENS	GBR 2001
2:43.99	MARIA LENK	BRA 2005	11:57.44	HILDA BUEL	USA 2004	50.93	CHRISTIAN HEIN	GER 2007
2:45.49	M.GOTTSCHALK	GER 1999	400 M. I.M.			51.05	EDUARDO SCHIESARI	BRA 2002
2:47.71	ANNE WALKER	USA 2006	14:55.37	JEWEL COOKE	USA 1999	200 M. FREE		
2:56.37	DOROTHY WESTON	GBR 2003	*****			1:48.81	JOHN KEPPELER	USA 1995
2:59.60	RINA DAVOGLIO	ITA 2002	WOMEN 95-99			1:49.94	ANDREW MANLEY	GBR 2003
3:00.20	MIEKO NAGAOKA	JPN 2006	*****			1:50.19	SYLVAIN CROS	FRA 2007
3:05.96	JEWEL COOKE	USA 1999	50 M. FREE			1:50.99	EDUARDO SCHIESARI	BRA 2002
3:08.02	MARY LATHRAM	USA 2006	1:13.87	SHIZUE SHIMIZU	JPN 2006	1:51.11	HERMAN LOUW	USA 2000
3:15.44	KIKU ONO	JPN 2007	1:58.55	BERNARDA ANGULO	ESP 2007	1:51.34	STEVEN MELLOR	GBR 2000
200 M. BACK			2:02.50	MARGE ANDERSON	CAN 1998	1:51.65	FERNANDO SAEZ	BRA 2002
5:02.82	WILLY VAN RYSEL	GBR 2006	2:08.68	ROSA SELLARES	ESP 2006	1:51.87	AURELIEN COQ	FRA 2004
5:56.27	ANNE WALKER	USA 2006	4:05.96	ELIZABETH DZIADUS	USA 2005	1:51.92	DAN WEGNER	USA 2000
6:24.54	MARY LATHRAM	USA 2006	100 M. FREE			1:52.55	JENS BUNGER	GER 1994
6:32.92	JEWEL COOKE	USA 1999	4:32.42	ROSA SELLARES	ESP 2006	400 M. FREE		
6:38.29	MIEKO NAGAOKA	JPN 2006	4:35.42	BERNARDA ANGULO	ESP 2007	3:53.60	SYLVAIN CROS	FRA 2007
6:57.85	KATH JOHNSTONE	NZL 2007	4:35.98	MARGE ANDERSON	CAN 1998	3:56.53	A.ANGELOTTI	BRA 2001
7:16.44	MADELEINE MILLER	USA 2000	200 M. FREE			3:56.66	AURELIEN COQ	FRA 2004
7:43.30	EDITH HENDRY	USA 2003	9:32.52	ROSA SELLARES	ESP 2006	3:57.24	STEVEN MELLOR	GBR 2000
7:47.79	BERNARDA ANGULO	ESP 2002	9:40.96	BERNARDA ANGULO	ESP 2007	3:58.23	ALEX KOSTICH	USA 1997
10:16.22	HILDA BUEL	USA 2005	400 M. FREE			3:59.78	GAVIN LILLEY	GBR 1993
50 M. BRST			19:20.68	BERNARDA ANGULO	ESP 2007	4:00.64	G.ORPHANIDES	GBR 2003
1:15.48	FUSAKO TOMINARI	JPN 2007	19:24.06	ROSA SELLARES	ESP 2006	4:02.17	DAN WEGNER	USA 2000
1:21.91	DOROTHY WESTON	GBR 2003	50 M. BACK			4:02.52	YOTA ARASE	JPN 2007
1:24.48	MARIA LENK	BRA 2005	1:27.92	EDITH HENDRY	USA 2006	4:03.27	MIKAEL ROSEN	SWE 2003
1:25.24	M.GOTTSCHALK	GER 1999						



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2007)

800 M. FREE		1:02.31	MATTHIAS RUMPF	GER 2005	2:04.17	YOHEI KATO	JPN 2007
8:07.91 A.ANGELOTI	BRA 2001	1:02.49	SIMON LEIGHFIELD	AUS 2002	2:05.66	ANDREW MANLEY	GBR 2004
8:13.81 G.ORPHANIDES	GBR 2003	1:02.51	NICOLAS CANIVET	FRA 2004	2:05.93	JOHN KEPPELER	USA 1995
8:14.75 ALEX KOSTICH	USA 1997	1:02.61	RUSS PATRICK	CAN 2003	2:05.98	KAZUYA KUROSU	JPN 2003
8:21.79 G.SPLITTGERBER	GER 2000	1:02.79	STEFAN FUHRMANN	GER 2007	2:06.84	J HORKY	CZE 1997
8:25.06 JASON NIELSON	USA 1996	1:02.83	JEFF COMMINGS	USA 2003	2:06.96	EDUARDO SCHIESARI	BRA 2004
8:26.37 CRAIG PICKERING	USA 2006	1:02.87	HIDEAKI TOGO	JPN 1999	2:07.07	JEFF COMMINGS	USA 2003
8:28.33 ANDREA MARCATO	ITA 2002	1:03.03	RYOSUKE IMAI	JPN 2007	400 M. I.M.		
8:28.96 M.MICHAELSEN	GER 2002	1:03.07	SHIGENORI SATO	JPN 2007	4:20.94	DEAN KENT	NZL 2005
8:29.19 TONY LENNANSSON	SWE 1992	200 M. BRST			4:26.79	JOHN KEPPELER	USA 1995
8:35.16 JULIEN BAILLOD	SUI 2005	2:14.44	CHRISTOPHER JONES	GBR 2007	4:26.97	ALEX KOSTICH	USA 1997
1500 M. FREE		2:15.42	SIMON LEIGHFIELD	AUS 2002	4:28.68	JULIEN BAILLOD	SUI 2007
15:29.68 G.ORPHANIDES	GBR 2003	2:18.21	FABIO SILVA	BRA 2006	4:30.99	MARCEL RINZLER	USA 2000
15:41.81 ALEX KOSTICH	USA 1997	2:19.40	S.YOSHIKURA	JPN 2006	4:33.17	JEROME FRENTSOS	USA 1995
16:15.61 CRAIG PICKERING	USA 2006	2:19.76	OLIVER VINENZETTI	GER 2005	4:34.06	G.ORPHANIDES	GBR 2003
16:16.13 JOHN CALNAN	CAN 2006	2:20.30	AUDY OKTAVIAN	USA 2003	4:34.11	A.ANGELOTI	BRA 2001
16:23.21 ROB J MACKLE	USA 1992	2:20.38	C.BRUNSON	USA 2006	4:36.12	CRAIG PICKERING	USA 2006
16:26.54 TONY DATY	GBR 1991	2:20.40	STUART NOTMAN	GBR 2004	4:36.69	DAVID GENET	FRA 2007
16:29.14 RICCARDO RUSSO	ITA 2006	2:20.43	ABRAHAM SOLANO	USA 1996			
16:31.71 BERND FELDVOSS	GER 1994	2:21.23	SCOTT CAMPEA	USA 2000			
16:35.98 JOHNY HEWERDINE	CAN 2005	50 M. FLY			*****		
16:36.12 FUMIO AMANO	JPN 2003	24.24	D. BURGESS LAIRD	USA 1989	M E N 30-34		
50 M. BACK		24.29	STEFAN HERBST	GER 2004	*****		
25.05 STEV THELOKE	GER 2004	24.66	LASSE FRANK	GER 2007	50 M. FREE		
25.15 KEVIN DOAK	USA 2007	24.68	NAOKI NAGURA	JPN 2007	22.68	AUSTYN SHORTMAN	GBR 2003
25.22 TERO RATY	FIN 2004	24.80	ARAKEN MOREIRA	BRA 2005	22.76	ED WAGNER	USA 2002
25.43 MARTIN HARRIS	GBR 1994	24.84	LEONARDO FRANCA	BRA 2005	22.82	ROWDY GAINES	JPN 1989
25.62 JIRI LEPOLA	FIN 2002	24.89	JOAKIM DAHL	SWE 2002	22.99	MICHAEL PICOTTE	USA 2003
26.00 MICHAEL KANNER	USA 1995	24.91	FRANCIS NASSAR	BRA 2002	23.08	BRIAN JACOBSON	USA 2006
26.11 TAKAFUMI OISHI	JPN 2005	24.95	S.KUNZELMANN	GER 2007	23.15	LARS-OVE JANSSON	SWE 1999
26.14 KENTARO NAKAMURA	JPN 2002	24.98	OSWALDO QUEVEDO	USA 2005	23.21	M.GIALDI	ITA 2002
26.21 JOHN KEPPELER	USA 1995	100 M. FLY			23.24	CHRISTOPH BUHLER	SUI 2004
26.22 KEITARO KONNAI	JPN 2004	53.93	STEFAN HERBST	GER 2004	23.27	ANDRE CORDEIRO	BRA 2006
100 M. BACK		54.83	JASON EADDY	USA 2002	23.28	ANDREW MANLEY	GBR 2007
55.04 STEFAN HERBST	GER 2005	54.89	JEFF DASH	USA 2006	100 M. FREE		
55.15 TERO RATY	FIN 2004	54.94	MARIO MARSHALL	USA 2007	50.24	ANDREW MANLEY	GBR 2007
55.42 TAKAFUMI OISHI	JPN 2005	54.98	CURTIS SAWIN	USA 2000	50.51	ROWDY GAINES	JPN 1989
55.65 KEVIN DOAK	USA 2007	55.03	YUSUKE AIHARA	JPN 2007	50.53	KLAUS HUEZ	ITA 2004
55.76 JOHN KEPPELER	USA 1995	55.21	ARAKEN MOREIRA	BRA 2005	50.64	STEPHANE MEYER	FRA 2007
55.97 MARTIN HARRIS	GBR 1994	55.24	S.KUNZELMANN	GER 2007	50.71	MICHAEL PICOTTE	USA 2003
56.02 JIRI LEPOLA	FIN 2002	55.36	LASSE FRANK	GER 2007	50.94	JOCHEN BRUHA	GER 2001
56.24 DAVID VAN ACKER	EST 2007	55.48	HIROAKI AKEBE	JPN 2007	50.97	JOHN KEPPELER	USA 1999
56.48 TAKUMA YAMAOKA	JPN 2003	200 M. FLY			51.05	ED WAGNER	USA 2002
56.51 MASAKAZU HINATA	JPN 2002	2:01.72	YOHEI KATO	JPN 2007	51.37	OZZIE QUEVEDO	USA 2007
200 M. BACK		2:01.74	LOIC LEROY	FRA 2006	51.37	AUSTYN SHORTMAN	GBR 2003
1:56.22 STEFAN HERBST	GER 2006	2:02.05	KIMITAKA MINOBE	JPN 2003	200 M. FREE		
2:01.14 DEAN KENT	NZL 2005	2:02.72	LASSE FRANK	GER 2007	1:49.00	CHRISTOPH HILMER	GER 2006
2:01.78 MARTIN HARRIS	GBR 1994	2:03.59	JASON EADDY	USA 2002	1:50.91	ROWDY GAINES	JPN 1989
2:02.63 JOHN KEPPELER	USA 1995	2:04.83	SHOTA YAMAGUCHI	JPN 2005	1:51.97	ANDREW MANLEY	GBR 2007
2:03.19 SYLVAIN CROS	FRA 2007	2:05.26	STEVEN MELLOR	GBR 2000	1:52.04	JOHN KEPPELER	USA 1999
2:03.69 SHINYA HAYASHI	JPN 2006	2:05.92	J.LIPAVSKY	CZE 2002	1:52.42	JOCHEN BRUHA	GER 2001
2:04.07 DARRYL FOLLOWS	NZL 1993	2:05.97	GAVIN LILLEY	GBR 1993	1:52.83	BRUCE HAYES	USA 1994
2:04.62 TAKUMA YAMAOKA	JPN 2007	2:06.13	JEFF DASH	USA 2006	1:53.66	DAN STEPHENSON	USA 1989
2:05.18 C.SHEPPARD	USA 2006	100 M. I.M.			1:53.69	BERNIE ZERUHN	USA 2005
2:05.18 ALEXANDER KAHL	GER 2005	55.20	STEFAN HERBST	GER 2004	1:53.81	NORBERT AGH	USA 2001
50 M. BRST		56.65	JEFF COMMINGS	USA 2003	1:53.87	TADAO INEYAMA	JPN 2003
27.69 RUSS PATRICK	CAN 2003	56.76	ATTILA CZENE	USA 2001	400 M. FREE		
27.76 EDUARDO FISCHER	BRA 2005	56.85	NAOKI NAGURA	JPN 2007	3:58.40	ALEX KOSTICH	USA 2000
28.11 NAOKI NAGURA	JPN 2006	57.04	JACOB CARSTENSEN	DEN 2007	3:59.83	BRUCE HAYES	USA 1994
28.26 MATTHIAS RUMPF	GER 2005	57.33	TERO RATY	FIN 2004	4:00.26	SEBASTIAN WIESE	GER 2004
28.28 NICOLAS CANIVET	FRA 2004	57.39	DEAN KENT	NZL 2005	4:02.66	ROWDY GAINES	JPN 1989
28.60 JEFF COMMINGS	USA 2003	57.40	ANDREW MANLEY	GBR 2003	4:03.85	GLAUCO RANGEL	BRA 2002
28.69 HIDEAKI TOGO	JPN 1999	57.57	JESPER LEVANDER	SWE 2006	4:05.17	ROLAND LEE	GBR 1996
28.81 GUY FARROW	AUS 1990	57.58	MARTIN HARRIS	GBR 1994	4:05.71	JEFF UTSCHE	USA 1997
28.86 JEREMY LINN	USA 2001	200 M. I.M.			4:06.01	IGOR PIOVESAN	ITA 2007
28.94 FABIANO BORGES	BRA 2002	2:00.56	STEFAN HERBST	GER 2006	4:06.14	JOSE CARLOS BAEZ	ESP 2007
100 M. BRST		2:01.58	DEAN KENT	NZL 2005	4:06.26	FABIEN CZACHOR	FRA 2006
1:00.28 EDUARDO FISCHER	BRA 2005	2:03.28	AURELIEN COQ	FRA 2004	800 M. FREE		
					8:17.06	ALEX KOSTICH	USA 2000

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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2007)

9:07.19	MICHAEL SCHMIDT	USA	2007	1:08.54	THOMAS LIGL	GER	2006	2:19.18	GREG DOZER	USA	2002
9:07.63	STEVE SUSSEX	USA	2000	1:08.80	A.O'DRISCOLL	GBR	2005	400 M. I.M.			
9:07.81	PASCAL MURCURI	FRA	2006	1:09.21	DOUG MALCOLM	USA	2005	4:48.97	LINCOLN DJANG	USA	2004
9:07.88	FRANK CHRISTIAN	AUS	2005	200 M. BRST				4:53.84	DAVE TOWN	CAN	2007
9:08.02	MATTHEW BAILEY	USA	2006	2:26.17	DAVID GUTHRIE	USA	2007	4:54.89	SIMON VEALE	GBR	2004
1500 M. FREE				2:29.89	CHRIS WEISSMAN	USA	2007	4:56.40	PAUL CARTER	USA	2004
16:43.02	MARCUS MATTIOLI	BRA	2006	2:30.67	GLENN MILLS	USA	2007	4:57.31	GREG DOZER	USA	2002
16:51.21	JIM MCCONICA	USA	1999	2:31.41	GREGORY OXLEY	USA	2003	4:57.34	TOM REUDY	USA	1999
16:52.13	B.BORDONALI	ITA	2007	2:31.73	GLEN CHRISTIANSEN	SWE	2002	4:57.94	LORENZO MARUGO	ITA	1998
16:56.31	MARK DRENNEN	USA	2004	2:32.29	JON BLANK	USA	2005	4:59.16	MICHAEL SCHMIDT	USA	2007
17:00.23	JIMMY FURRER	SUI	2004	2:33.37	SPENCER ELDRED	USA	2003	4:59.97	MARK DRENNEN	USA	2005
17:13.48	DJAN MADRUGA	BRA	2006	2:33.67	A.O'DRISCOLL	GBR	2004	5:00.60	B.BORDONALI	ITA	2006
17:13.47	GERRY RODRIGUES	USA	2007	2:33.83	PAT ALLENDER	USA	2003				
17:19.87	TIM BRODERICK	USA	1996	2:34.24	RICK COLELLA	USA	2000				
17:25.27	FRANK CHRISTIAN	AUS	2005	50 M. FLY							
17:32.60	STEFANO SEGUITI	ITA	2004	25.82	PAUL SMITH	USA	2007				
50 M. BACK				25.84	PAUL CARTER	USA	2003				
27.24	CLAY BRITT	USA	2006	26.52	MARCO COLOMBO	ITA	2006				
27.58	CRAIG NORREY	SUI	2006	26.55	RAMON VOLCAN	VEN	2006	24.26	PAUL TREVISAN	USA	2003
27.99	STEVE WOOD	USA	2005	26.79	HODDING CARTER	USA	2007	24.74	V.GALAVTINE	FRA	2003
28.40	FRITZ LEHMAN	USA	2003	26.82	BRENT BARNES	JPN	2003	24.86	PHILIPPE MORELLE	BEL	2006
28.52	MARCO COLOMBO	ITA	2007	26.84	MARIO LLORET	ESP	2004	25.00	LARRY KRAUSER	USA	2003
28.73	HIROSHI SHIBUYA	JPN	2005	26.84	RICK ABBOTT	USA	2003	25.09	EMIL PLESNIK	GER	1993
28.80	V.GALAVTINE	FRA	2001	26.87	WILLIAM SPECHT	USA	2003	25.14	BARRY ROTH	USA	2005
28.81	CASEY CLAFLIN	USA	1999	26.88	CRAIG NORREY	GBR	2007	25.21	JOHN FERRIS	USA	2000
28.94	WILLIAM SPECHT	USA	2004	100 M. FLY				25.27	JACK GROSELLE	USA	2005
28.98	HODDING CARTER	USA	2007	57.17	PAUL CARTER	USA	2003	25.29	ROGER HAWKINS	USA	2000
100 M. BACK				58.02	PAUL SMITH	USA	2007	25.42	MIKE MCINTYRE	CAN	2004
58.48	CLAY BRITT	USA	2006	58.10	WILLIAM SPECHT	USA	2004	100 M. FREE			
1:00.09	FRITZ LEHMAN	USA	2003	58.35	DENNIS BAKER	USA	2006	54.61	PAUL TREVISAN	USA	2003
1:01.57	MARCO COLOMBO	ITA	2007	59.63	PAUL MORRIS	GBR	2004	55.35	JACK GROSELLE	USA	2007
1:01.60	CRAIG NORREY	SUI	2006	1:00.01	JAMES BALLARD	USA	2003	55.37	LEE MENCH	USA	2003
1:01.81	WIESLAW MUSIAL	CAN	2003	1:00.07	MARCUS MATTIOLI	BRA	2007	55.51	LARRY KRAUSER	USA	2003
1:02.16	PETER WIESE	GER	2006	1:00.09	JOHN VAN BUUREN	CAN	2003	55.71	BRUCE ROBERTSON	CAN	2003
1:02.19	STEVE WOOD	USA	2007	1:00.53	JIM SORESENSEN	USA	2007	55.81	JIM MC CONICA	USA	2001
1:02.31	V.GALAVTINE	FRA	2000	1:00.71	V.GALAVTINE	RUS	1998	55.81	TERRY DOWNES	RSA	1999
1:02.63	PHILIPP DJANG	USA	2000	200 M. FLY				55.83	PHILIPPE MORELLE	BEL	2006
1:03.19	CASEY CLAFLIN	USA	2000	2:06.40	DENNIS BAKER	USA	2006	55.95	JOHN VAN BUUREN	CAN	2005
200 M. BACK				2:09.06	WILLIAM SPECHT	USA	2003	55.95	ALEXANDER MILLS	GBR	2005
2:12.10	WIESLAW MUSIAL	CAN	2003	2:09.58	MARCUS MATTIOLI	BRA	2006	200 M. FREE			
2:13.36	FRITZ LEHMAN	USA	2003	2:14.85	DAMIANO NANETTI	ITA	2007	1:58.37	JIM MCCONICA	USA	2000
2:13.42	DJAN MADRUGA	BRA	2005	2:15.14	HUGO BREGMAN	NED	2006	2:02.87	BOB BUGG	USA	2007
2:15.08	MARCO COLOMBO	ITA	2007	2:16.86	JOHN CRAIG	USA	2000	2:03.10	LARRY KRAUSER	USA	2003
2:16.30	PETER WIESE	GER	2006	2:17.30	PAUL MORRIS	GBR	2004	2:03.74	JACK GROSELLE	USA	2007
2:16.39	WILLIAM SPECHT	USA	2004	2:17.31	MICHAEL SCHMIDT	USA	2007	2:03.80	LEE MENCH	USA	2003
2:16.48	JAMES BALLARD	USA	2003	2:18.31	DAVID VANDAM	USA	2000	2:03.94	MARK DRENNEN	USA	2006
2:17.11	DARIUSZ WOLNY	POL	2005	2:18.88	FRANK CHRISTIAN	AUS	2005	2:04.46	BRUCE ROBERTSON	CAN	2003
2:17.63	HIROSHI SHIBUYA	JPN	2007	100 M. I.M.				2:04.63	FRANCIS CHRISTIAN	AUS	2007
2:18.86	SHAWN O'GORMAN	USA	2005	1:00.29	MARCO COLOMBO	ITA	2006	2:04.73	BRADFORD GANDEE	USA	2006
50 M. BRST				1:00.66	CLAY BRITT	USA	2006	2:05.27	SIMON VEALE	GBR	2006
30.13	GLEN CHRISTIANSEN	SWE	2002	1:00.84	PAUL SMITH	USA	2007	400 M. FREE			
30.39	DAVID GUTHRIE	USA	2007	1:01.67	CHRIS WEISSMAN	USA	2007	4:07.99	JIM MCCONICA	USA	2000
30.48	FALTMAN MAGNUS	SWE	2004	1:02.20	GREGORY OXLEY	USA	2003	4:18.96	MARK DRENNEN	USA	2006
30.77	CHRIS WEISSMAN	USA	2007	1:02.33	CRAIG NORREY	GBR	2007	4:22.77	FRANCIS CHRISTIAN	AUS	2007
30.83	GREGORY OXLEY	USA	2003	1:02.47	FRITZ LEHMAN	USA	2005	4:26.37	LARRY KRAUSER	USA	2003
30.85	MASAANKI OTSUKI	JPN	2006	1:02.92	CYRO DELGADO	BRA	2006	4:27.55	JIM CLEMMONS	USA	2002
30.94	GLENN MILLS	USA	2007	1:02.99	TOM REUDY	USA	1999	4:28.64	LEE MENCH	USA	2003
31.13	RONNY OLTNER	SWE	2005	1:03.01	JOE REINHARDT	USA	2006	4:28.84	R TOD SPIEKER	USA	1999
31.14	ANDREAS DIEHL	GER	2007	200 M. I.M.				4:29.87	SIMON VEALE	GBR	2006
31.24	LEE RIDER	USA	2001	2:15.31	MARCO COLOMBO	ITA	2007	4:30.71	TIM ERICKSON	USA	2006
100 M. BRST				2:16.53	DAVE TOWN	CAN	2006	4:32.57	J.CLAUDE CHATARD	FRA	2005
1:06.39	CHRIS WEISSMAN	USA	2007	2:16.56	PAUL SMITH	USA	2004	800 M. FREE			
1:06.44	DAVID GUTHRIE	USA	2007	2:16.68	PETER WIESE	GER	2006	8:44.51	JIM MCCONICA	USA	2000
1:06.48	GLEN CHRISTIANSEN	SWE	2004	2:16.97	TOM REUDY	USA	1999	8:53.48	MARK DRENNEN	USA	2006
1:07.76	GLENN MILLS	USA	2007	2:17.15	JIM SORESENSEN	USA	2007	9:08.63	FRANCIS CHRISTIAN	AUS	2007
1:07.77	GREGORY OXLEY	USA	2003	2:18.40	MARCUS MATTIOLI	BRA	2005	9:11.92	JIM CLEMMONS	USA	2002
1:07.88	JON BLANK	USA	2007	2:18.75	GREGORY OXLEY	USA	2003	9:12.81	R TOD SPIEKER	USA	1998
1:08.09	LEE RIDER	USA	2001	2:18.76	KLAUS SPRANZ	GER	2005	9:17.45	SIMON VEALE	GBR	2006
								9:24.76	LARRY KRAUSER	USA	2003



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9:55.48	DUNCAN MCCREADIE	GBR 2001	200 M. BRST	5:08.15	JAMES MCCONICA	USA 2005		
1500 M.	FREE		2:38.76	ROBERT STRAND	USA 2001	5:11.49	GREG SHAW	USA 2007
17:14.15	JAMES MCCONICA	USA 2005	2:38.90	TIM SHEAD	RSA 2007	5:13.29	R TOD SPIEKER	USA 2003
17:35.21	TOD SPIEKER	USA 2003	2:40.52	ROBERT WEYHENKE	NED 2007	5:14.10	JIM CLEMMONS	USA 2005
17:56.15	J.CHATARD	FRA 2006	2:44.00	HIROKAZU AOYAMA	JPN 2007	5:23.15	RON ARMSTRONG	CAN 2006
18:02.40	JIM CLEMMONS	USA 2005	2:44.17	TAKEO HIRAMOTO	JPN 2007	5:26.62	MIKE MORROW	CAN 2005
18:27.16	D.UIJTENBOGAART	NED 2002	2:45.16	JOHN GORDON	GBR 2001	5:28.51	D.UIJTENBOGAART	NED 2002
18:33.73	RICK WALKER	USA 2007	2:46.00	GRAHAM PEARSON	GBR 2007	5:29.09	SANDY GALLETTY	GBR 1997
18:43.40	JACK MARTIN	USA 2006	2:46.29	JIM CLEMMONS	USA 2005	5:30.62	DRURY GALLAGHER	USA 1995
18:51.69	JAMES MCCLEERY	USA 2003	2:46.36	ALLEN STARK	USA 2007			
18:51.83	SANDY GALLETTY	GBR 1998	2:46.48	LORENZO MARUGO	ITA 2007			
19:10.28	WILLIAM PENN	USA 2007	50 M. FLY					
50 M. BACK			26.96	GREG SHAW	USA 2007			
30.25	HUGH WILDER	USA 2003	27.21	STEVE BOROWSKI	USA 2002	50 M. FREE		
30.35	ROBERT SMITH	USA 1999	27.74	RICH ABRAHAMS	USA 2001	24.90	RICH ABRAHAMS	USA 2006
30.40	TIM BIRNIE	USA 2000	28.19	LEONARD BIELICZ	SWE 2006	26.31	JEFF FARRELL	USA 2000
30.56	HEINZ BOKNECHT	GER 1995	28.24	DAVE WILKIN	CAN 2007	26.52	ROBERT SMITH	USA 2003
30.72	JIM ADAMS	IRL 2007	28.31	TOM GEIMAN	USA 2004	27.03	VINUS VANBAALEN	USA 2003
30.84	MARK PUGLIESE	USA 2007	28.37	JOEL BURNS	USA 2001	27.04	IAN SMITH	CAN 2005
30.96	DAVE WILKIN	CAN 2007	28.57	JIM DRAGON	USA 1999	27.06	JIM DRAGON	USA 2007
30.96	ALAIN VANACKER	FRA 2007	28.65	MARK PUGLIESE	USA 2007	27.06	KATSUKI ISHIHARA	JPN 2000
30.96	TAKEO HIRAMOTO	JPN 2005	28.78	C.STARZEC	FRA 2006	27.27	ALAN BROWN	AUS 2006
31.57	J.CLAUDE LESTIDEA	FRA 2004	100 M. FLY			27.42	PETER BERGENGREN	SWE 1999
100 M. BACK			1:00.35	GREG SHAW	USA 2006	27.42	CAV CAVANAUGH	USA 1998
1:04.89	TIM BIRNIE	USA 2000	1:02.74	STEVE BOROWSKI	USA 2002	100 M. FREE		
1:05.53	JIM ADAMS	IRL 2007	1:03.51	LEONARD BIELICZ	SWE 2006	57.22	RICH ABRAHAMS	USA 2006
1:05.56	HUGH WILDER	USA 2002	1:03.72	SHIGEO ASANO	JPN 2004	59.90	DAVID QUIGGIN	USA 2004
1:07.74	TIM SHEAD	RSA 2007	1:03.78	RICH ABRAHAMS	USA 2001	1:00.24	JEFF FARRELL	USA 2000
1:07.76	MARK PUGLIESE	USA 2007	1:04.00	TIM SHEAD	USA 2007	1:01.05	DUNCAN MCCREADIE	GBR 2005
1:08.34	RICHARD BURNS	USA 1998	1:04.37	ERIC HENDERSON	GBR 2005	1:01.15	ALAN BROWN	AUS 2006
1:08.48	R TOD SPIEKER	USA 2003	1:04.55	C.STARZEC	FRA 2005	1:01.23	JEAN LESTIDEAU	FRA 2007
1:08.53	JOHN CALVERT	USA 2000	1:04.64	JOEL BURNS	USA 2001	1:01.50	TONY STRAHAN	AUS 2003
1:08.85	DAVE WILKIN	CAN 2007	1:04.67	KEVIN MCCORMACK	USA 2007	1:01.51	PETER BERGENGREN	SWE 2000
1:08.85	ALAIN VANACKER	FRA 2007	200 M. FLY			1:01.72	TOM LANDIS	USA 2002
200 M. BACK			2:21.90	GREG SHAW	USA 2007	1:01.94	RICHARD BURNS	USA 2007
2:20.59	JAMES MCCONICA	USA 2005	2:22.13	JAMES MCCONICA	USA 2005	200 M. FREE		
2:21.80	TOD SPIEKER	USA 2003	2:22.73	FRED SCHLICHER	USA 2003	2:11.78	DUNCAN MCCREADIE	GBR 2006
2:22.25	JIM ADAMS	NED 2006	2:28.52	ROBERT POILETMAN	USA 2001	2:12.18	JOHN CALVERT	USA 2005
2:24.72	TIM BIRNIE	USA 2000	2:31.04	TAKEO HIRAMOTO	JPN 2006	2:14.22	RICH ABRAHAMS	USA 2006
2:26.64	JOHN CALVERT	USA 2000	2:33.27	DOUGLAS MILLER	USA 2005	2:15.84	TOM LANDIS	USA 2002
2:29.11	TIM SHEAD	RSA 2007	2:33.74	JIM CLEMMONS	USA 2005	2:17.16	JEAN LESTIDEAU	FRA 2007
2:29.64	HUGH WILDER	USA 2004	2:35.30	JOEL BURNS	USA 2001	2:17.36	DRURY GALLAGHER	USA 1998
2:32.73	RICHARD BURNS	USA 1998	2:36.70	KOJI IWAMOTO	JPN 2000	2:18.44	TONY CHERRINGTON	GBR 2002
2:33.21	BARRY YOUNG	NZL 1994	2:37.43	CLAUS KOCH	CAN 2001	2:18.58	JEFF FARRELL	USA 2001
2:33.59	ALAIN VANACKER	FRA 2007	100 M. I.M.			2:18.84	RICHARD BURNS	USA 2004
50 M. BRST			1:03.53	TIM SHEAD	RSA 2007	2:19.03	DAVID QUIGGIN	USA 2006
32.18	ROBERT STRAND	USA 2001	1:03.81	GREG SHAW	USA 2006	400 M. FREE		
32.44	ALEXANDER MILLS	GBR 2006	1:04.34	ROBERT WEYHENKE	NED 2007	4:40.45	DUNCAN MCCREADIE	GBR 2006
32.76	TIM SHEAD	RSA 2007	1:06.13	ALEXANDER MILLS	GBR 2006	4:43.69	JOHN CALVERT	USA 2005
33.03	C.STARZEC	FRA 2005	1:06.45	DANIEL ROGACKI	USA 2002	4:47.16	JEAN LESTIDEAU	FRA 2007
33.17	HIROSHI KOTEGAWA	JPN 1993	1:06.71	DAVE WILKIN	CAN 2007	4:47.93	SANDY GALLETTY	GBR 2002
33.28	STUART ELLICOTT	AUS 2007	1:07.15	ROBERT STRAND	USA 2001	4:51.98	VITTORIO ERMIRIO	ITA 2003
33.54	PETER ANDERSEN	USA 1999	1:07.42	LEONARD BIELICZ	SWE 2006	4:54.94	DRURY GALLAGHER	USA 1998
33.56	ROBERT WEYHENKE	NED 2007	1:07.54	C.STARZEC	FRA 2005	4:55.70	D.UIJTENBOGAART	NED 2007
33.73	ALLEN STARK	USA 2007	1:07.62	GEORGE SCHMIDT	USA 2005	4:56.07	DON DAVIS	USA 2005
33.77	TOSHIHARU FUJII	JPN 2005	200 M. I.M.			4:56.47	EDWARD CAZALET	USA 2003
33.77	MANUEL SANGUILY	USA 1989	2:21.05	GREG SHAW	USA 2006	4:56.69	GRAHAM JOHNSTON	USA 1995
100 M. BRST			2:23.49	ROBERT WEYHENKE	NED 2007	800 M. FREE		
1:10.50	TIM SHEAD	RSA 2007	2:24.64	TIM SHEAD	RSA 2007	9:43.83	DUNCAN MCCREADIE	GBR 2005
1:11.53	ROBERT STRAND	USA 2001	2:26.70	JAMES MCCONICA	USA 2005	9:51.72	SANDY GALLETTY	GBR 2002
1:13.54	C.STARZEC	FRA 2005	2:27.19	JOHN CALVERT	USA 2000	9:58.02	VITTORIO ERMIRIO	ITA 2005
1:14.53	DANIEL ROGACKI	USA 2002	2:27.94	FRED SCHLICHER	USA 2003	9:58.99	JAMES MCCLEERY	USA 2006
1:14.88	HIROKAZU AOYAMA	JPN 2007	2:29.17	DANIEL ROGACKI	USA 2002	10:01.28	GEORGE WENDT	USA 2007
1:15.25	TOSHIHARU FUJII	JPN 2005	2:30.83	TAKEO HIRAMOTO	JPN 2005	10:06.73	JEAN LESTIDEAU	FRA 2007
1:15.26	ALLEN STARK	USA 2007	2:31.33	C.STARZEC	FRA 2006	10:09.96	D.UIJTENBOGAART	NED 2007
1:15.33	GRAHAM PEARSON	GBR 2007	2:31.79	JIM CLEMMONS	USA 2006	10:10.78	DRURY GALLAGHER	USA 1998
1:15.49	STUART ELLICOTT	AUS 2007	400 M. I.M.			10:17.45	EDWARD CAZALET	USA 2003
1:15.80	JOHN DERR	USA 2004	5:05.40	LORENZO MARUGO	ITA 2007	10:22.45	JOACHIM HINTZE	GER 2003



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19:41.85	VITTORIO ERMIRIO	ITA	2007	3:00.27	MICHAEL MOLONEY	AUS	2004	6:21.88	TADASHI IWAMOTO	JPN	2005
19:53.18	GRAHAM JOHNSTON	USA	1996	3:02.15	HANS REICHELT	GER	2004	6:23.63	GUNTER BEILSTEIN	GER	2001
20:36.17	DICK STEWART	USA	2006	3:03.31	TOM WALKER	GBR	2000	6:23.74	ALFRED JACOB	BRA	2007
20:49.25	ERNIE LESKOVITZ	USA	2003	3:05.19	TONY GOODWIN	AUS	2002	6:27.80	ERIK LOKENSGARD	USA	2007
20:54.80	BURWELL JONES	USA	2002	3:05.24	PETER BELL	CAN	2000	6:28.87	CHARLES MOSS	USA	1993
20:56.70	FABRIZIO MOMONI	ITA	2003	3:06.13	NICK TEMPLEMAN	CAN	1996	*****			
20:58.60	DAVID HARRISON	USA	2002	3:07.25	BERND WUNSCH	GER	2003	M E N 70-74			
21:03.09	TONY CHERRINGTON	GBR	2007	50 M. FLY				*****			
21:18.33	ALEX GALLETTY	GBR	2007	30.54	GEORGES KOESSLER	FRA	2007	50 M. FREE			
50 M. BACK				30.62	TOMOYASU IIDA	JPN	2006	28.00	JEFF FARRELL	USA	2007
32.35	LUIZ FIGUEIREDO	BRA	2006	30.70	BOB BAILIE	USA	2001	28.55	RON JOHNSON	USA	2003
32.48	VINUS VAN BAALLEN	CAN	2007	30.71	BERT PETERSEN	USA	2003	28.76	CAV CAVANAUGH	USA	2005
33.38	YOSHI OYAKAWA	USA	1999	31.27	PETER BERGENGREN	SWE	2003	29.00	WOLFRAM GOTTFRIED	GER	2003
33.90	GARY CHASE	USA	2005	31.28	KOJI IWAMOTO	JPN	2007	29.77	CHARLES BALDWIN	USA	2000
34.43	FRANS VAN ENST	NED	2005	31.28	MIKE FRESHLEY	USA	2006	29.77	DAVID RADCLIFF	USA	2004
34.59	LUCIEN GAUCHE	FRA	2007	31.37	IAN SMITH	CAN	2006	29.80	BOB BAILIE	USA	2006
34.71	KARL DONOGHUE	CAN	2005	31.39	CHITOSHI KONISHI	JPN	2005	29.87	H.TAKAHASHI	JPN	2006
34.74	MASAO KIJIMA	JPN	2007	31.50	FRANTISEK POKORNY	CZE	2006	30.01	SHINGO YAMAMOTO	JPN	2001
34.75	S.SEKIKAWA	JPN	1998	100 M. FLY				30.04	ROBERT GROBLER	GBR	2000
35.06	RON JOHNSON	USA	1996	1:10.81	KOJI IWAMOTO	JPN	2007	100 M. FREE			
100 M. BACK				1:11.89	TOMOYASU IIDA	JPN	2007	1:03.33	JEFF FARRELL	USA	2007
1:12.36	BERND HORSTMANN	GER	2007	1:12.41	CHITOSHI KONISHI	JPN	2005	1:04.58	CAV CAVANAUGH	USA	2005
1:14.04	BARRY YOUNG	NZL	2004	1:13.32	BERT PETERSEN	USA	2003	1:06.26	GRAHAM JOHNSTON	USA	2001
1:14.66	YOSHI OYAKAWA	USA	1998	1:13.93	YOICHI AOKI	JPN	2006	1:06.50	DAVID RADCLIFF	USA	2004
1:14.69	LUIZ FIGUEIREDO	BRA	2006	1:14.44	BARRY YOUNG	NZL	2004	1:06.70	CHARLES BALDWIN	USA	2000
1:15.54	VINUS VAN BAALLEN	USA	2007	1:14.91	TAISUKE MIYAZAKI	JPN	2005	1:07.47	RONALD JOHNSON	USA	2001
1:16.12	S.SEKIKAWA	JPN	1998	1:15.09	JOAQUIN CANALES	ESP	2007	1:07.84	WOLFRAM GOTTFRIED	GER	2001
1:16.77	BURWELL JONES	USA	2002	1:15.52	LUIS R. SIMI	BRA	2002	1:08.36	SHINGO YAMAMOTO	JPN	2001
1:16.97	LUCIEN GAUCHE	FRA	2007	1:16.42	GUNTER SCHOPKE	GER	2006	1:08.72	JOHN CRISP	AUS	2007
1:17.75	PEKKA LUNDBERG	FIN	2001	200 M. FLY				1:08.95	BOB BAILIE	USA	2006
1:18.02	RICHARD TODD	USA	2007	2:48.78	RICHARD KITCHELL	USA	2005	200 M. FREE			
200 M. BACK				2:49.56	KOJI IWAMOTO	JPN	2007	2:24.31	GRAHAM JOHNSTON	USA	2001
2:41.56	BERND HORSTMANN	GER	2007	2:57.23	TAISUKE MIYAZAKI	JPN	2004	2:28.41	CAV CAVANAUGH	USA	2005
2:44.62	LUIZ FIGUEIREDO	BRA	2006	2:59.62	DAVID CUMMING	GBR	2004	2:30.27	BURWELL JONES	USA	2004
2:45.56	GARY CHASE	USA	2005	3:00.83	D MCLACHLAN	RSA	2002	2:30.45	DAVID RADCLIFF	USA	2007
2:47.59	S.SEKIKAWA	JPN	1998	3:01.54	LUIS R. SIMI	BRA	2002	2:33.22	NELIO VILLASBOAS	BRA	2002
2:48.33	RICHARD TODD	USA	2007	3:04.59	WILLIAM LETCH	GBR	2007	2:33.66	THEO ENDERES	GER	1999
2:50.75	BOB BARRY	AUS	1996	3:06.32	WERNER MULLER	GER	1999	2:34.46	JOHN CRISP	AUS	2005
2:52.11	KARL DONOGHUE	CAN	2005	3:06.43	RON JOHNSON	USA	1996	2:34.64	WILLIAM PHILLIPS	USA	1998
2:52.12	ALAN JACKSON	GBR	2004	3:07.80	RAYMOND LOEWE	USA	2007	2:36.63	N.MIYAMOTO	JPN	2006
2:52.77	ROGER FRANKS	USA	1994	100 M. I.M.				2:36.88	BOB BARRY	AUS	2002
2:53.17	MIKLOS KOVATS	HUN	2005	1:12.51	JEFF FARRELL	USA	2002	400 M. FREE			
50 M. BRST				1:12.63	KOJI IWAMOTO	JPN	2007	5:09.75	GRAHAM JOHNSTON	USA	2002
35.46	HIROSHI KOTEGAWA	JPN	2001	1:14.42	HIROSHI NONAKA	JPN	2007	5:15.88	BURWELL JONES	USA	2003
36.07	MANUEL SANGUILY	USA	1998	1:14.91	VINUS VAN BAALLEN	CAN	2007	5:18.28	DAVID RADCLIFF	USA	2007
36.32	EGON HENNINGER	GER	2005	1:14.93	JACK KELSO	CAN	2007	5:29.16	JOHN CRISP	AUS	2005
36.33	NICK TEMPLEMAN	CAN	1996	1:14.93	BERND HORSTMANN	GER	2007	5:30.42	CAV CAVANAUGH	USA	2005
36.38	AKIO SUGIYAMA	JPN	1999	1:14.99	MIKE FRESHLEY	USA	2006	5:34.86	IKURO SHIMONO	JPN	2007
36.80	W.BUCZKOWSKI	POL	2007	1:15.44	PETER BERGENGREN	SWE	2003	5:35.49	FRANK PIEMME	USA	1995
36.90	FRANTISEK POKORNY	CZE	2006	1:15.61	RON JOHNSON	USA	1996	5:37.26	WILLIAM PHILLIPS	USA	1998
36.92	BERND WUNSCH	GER	2003	1:15.82	BURWELL JONES	USA	2002	5:40.04	MARTY MENNEN	USA	2007
36.96	JACK KELSO	CAN	2007	200 M. I.M.				5:43.31	N.MIYAMOTO	JPN	2006
37.17	JOHN KORTHEUER	USA	2000	2:43.49	MIKE FRESHLEY	USA	2006	800 M. FREE			
100 M. BRST				2:44.51	KOJI IWAMOTO	JPN	2007	10:52.68	GRAHAM JOHNSTON	USA	2001
1:20.36	THOMAS JOHNSON	GBR	2007	2:46.35	JEFF FARRELL	USA	2002	11:01.38	DAVID RADCLIFF	USA	2007
1:20.71	RICHARD TODD	USA	2007	2:49.00	JACK KELSO	CAN	2007	11:23.10	ERNIE LESKOVITZ	USA	2006
1:21.34	NICK TEMPLEMAN	CAN	1996	2:49.10	ROBERTO ALBERICHE	ESP	1996	11:25.65	JOHN CRISP	AUS	2005
1:21.55	BERND WUNSCH	GER	2003	2:50.00	RICHARD TODD	USA	2007	11:30.41	IKURO SHIMONO	JPN	2007
1:22.10	HANS REICHELT	GER	2004	2:50.95	BURWELL JONES	USA	2002	11:38.41	FRANK PIEMME	USA	1995
1:22.11	JACK KELSO	CAN	2007	2:51.68	GRAHAM JOHNSTON	USA	1997	11:55.21	WILLIAM PHILLIPS	USA	1998
1:22.23	YOSHIAKI AOKI	JPN	2005	2:51.72	RON JOHNSON	USA	1997	12:00.70	DON BLAND	GBR	2001
1:22.34	MANUEL SANGUILY	USA	1998	2:52.71	HITOSHI KATO	JPN	1996	12:02.50	MARTY MENNEN	USA	2007
1:22.44	MIKE FRESHLEY	USA	2006	400 M. I.M.				12:02.67	HANS LINDSTROM	SWE	2007
1:22.83	TONY GOODWIN	AUS	2002	5:58.93	MIKE FRESHLEY	USA	2006	1500 M. FREE			
200 M. BRST				6:04.40	GRAHAM JOHNSTON	USA	1996	20:54.56	GRAHAM JOHNSTON	USA	2001
2:59.11	RICHARD TODD	USA	2007	6:07.00	ROBERTO ALBERICHE	ESP	1996	21:17.81	JOHN CRISP	AUS	2005
2:59.55	YOSHIAKI AOKI	JPN	2005	6:10.33	MASAO KIJIMA	JPN	2007	21:24.18	DAVID RADCLIFF	USA	2007
3:00.13	MIKE FRESHLEY	USA	2006	6:14.67	DICK STEWART	USA	2005				



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22:30.87	WILLIAM PHILLIPS	USA	1998	3:14.52	CLAUDIO NEGRI	ITA	2006	6:48.33	KARL HAUTER	GER	1999
22:44.45	FRANK PIEMME	USA	1995	3:14.66	TSUTOMU KAJIHARA	JPN	2003	6:49.75	ROGER FRANKS	USA	1997
22:45.32	DON BLAND	GBR	2001	3:14.83	BOB PATTEN	USA	2004	6:50.22	RON JOHNSON	USA	2002
22:55.92	HANS LINDSTROM	SWE	2007	3:15.42	HARTMUT LEMCKE	GER	2005				
23:11.67	ROGER FRANKS	USA	1999	3:16.44	KARL HAUTER	GER	1995	*****			
23:21.30	KIYOJI AMANO	JPN	2001	50 M.	FLY	M E N 75-79					
23:23.27	LARRY GOOD	USA	2004	32.07	HIROSHI MATSUMOTO	JPN	2007	*****			
50 M.	BACK										
33.90	YOSHI OYAKAWA	USA	2003	32.57	RONALD JOHNSON	USA	2001	50 M.	FREE		
35.44	S.SEKIKAWA	JPN	2003	33.36	JEFF FARRELL	USA	2007	31.06	FRANK PIEMME	USA	2001
35.71	PAUL HUTINGER	USA	1994	33.61	BOB BAILIE	USA	2006	31.33	SHINGO YAMAMOTO	JPN	2006
35.75	BURWELL JONES	USA	2004	33.79	DAVID COSTILL	USA	2007	31.64	ALDO EMINENTE	FRA	2006
36.88	GUNTER KOBOW	GER	2007	34.09	DAVID MCINTYRE	USA	2007	32.09	KEIJIRO NAKAMURA	JPN	1999
37.00	RON JOHNSON	USA	2003	34.23	WOLFGANG SIEBER	GER	2007	32.15	EDWARD BREISACHER	USA	2007
37.02	ERIC FORSLUND	SWE	2007	34.36	GENICHI IGARASHI	JPN	2006	32.19	BOB BEST	USA	2007
37.06	MAMPEI SEINO	JPN	2003	34.40	MASAYASU KAMIYA	JPN	2002	32.20	TAKAHIKO NOMA	JPN	2003
37.53	KEIJIRO NAKAMURA	JPN	1995	34.54	WOLFRAM GOTTFRIED	GER	2004	32.30	CLARKE MITCHELL	USA	2007
37.70	DAVID MCINTYRE	USA	2007	100 M.	FLY						
100 M.	BACK										
1:15.85	YOSHI OYAKAWA	USA	2003	1:19.47	LUIS SIMI	BRA	2007	32.42	RON JOHNSON	USA	2006
1:16.73	BURWELL JONES	USA	2003	1:19.51	RONALD JOHNSON	USA	2001	32.48	JACK HALE	GBR	1997
1:18.73	S.SEKIKAWA	JPN	2003	1:20.31	HIROSHI MATSUMOTO	JPN	2006	100 M.	FREE		
1:19.09	MARTY MENNEN	USA	2007	1:20.35	DAVID COSTILL	USA	2007	1:10.71	SHINGO YAMAMOTO	JPN	2006
1:20.94	MAMPEI SEINO	JPN	2003	1:20.35	DAVID COSTILL	USA	2007	1:11.53	GRAHAM JOHNSTON	USA	2007
1:21.50	ROGER FRANKS	USA	1997	1:21.60	WOLFRAM GOTTFRIED	GER	2001	1:11.55	FRANK PIEMME	USA	2000
1:21.74	PAUL HUTINGER	USA	1994	1:22.37	TAKASHI HAYASHI	JPN	2005	1:12.98	EDWARD BREISACHER	USA	2007
1:22.33	CLARKE MITCHELL	USA	2002	1:23.14	MASAYASU KAMIYA	JPN	2002	1:13.35	JACK HALE	GBR	1997
1:22.77	RON JOHNSON	USA	2002	1:24.63	WALLY DOBLER	USA	2004	1:13.47	RAYMOND TAFT	USA	1995
1:23.61	KEIJIRO NAKAMURA	JPN	1996	1:25.24	SEYMOUR BANNING	GBR	2003	1:13.69	ARAM BOGHOSSIAN	BRA	2004
200 M.	BACK										
2:51.24	BURWELL JONES	USA	2003	1:25.54	MASARU IGARASHI	JPN	2005	1:14.06	SHOICHI SHIDA	JPN	2001
2:53.22	S.SEKIKAWA	JPN	2003	200 M.	FLY						
2:53.59	YOSHI OYAKAWA	USA	2003	3:08.60	TAKASHI HAYASHI	JPN	2003	1:14.29	FUMIO EGAMI	JPN	2005
2:54.36	MARTY MENNEN	USA	2007	3:13.57	JESUS DOMINGUEZ	ESP	2000	1:14.82	KIYOJI AMANO	JPN	2006
2:55.73	ROGER FRANKS	USA	1998	3:15.19	RON JOHNSON	USA	2002	200 M.	FREE		
2:58.91	MAMPEI SEINO	JPN	2003	3:15.19	RON JOHNSON	USA	2002	2:37.71	GRAHAM JOHNSTON	USA	2006
2:59.92	PAUL HUTINGER	USA	1994	3:18.59	ROBERT PFERSDORFF	GER	1995	2:42.21	SHINGO YAMAMOTO	JPN	2006
3:01.57	DAVID COSTILL	USA	2007	3:18.87	KARL-HEINZ KNOPS	GER	1995	2:46.17	ARAM BOGHOSSIAN	BRA	2004
3:02.37	E.NODENSCHNEIDER	FRA	2006	3:20.07	DAVE MCLACHIAN	RSA	2007	2:47.41	HIROSHI YOSHIMURA	JPN	2004
3:05.12	BOB BARRY	AUS	2002	3:20.14	CLAUDIO NEGRI	ITA	2006	2:47.43	FRANK PIEMME	USA	2000
50 M.	BRST										
37.26	JEFF FARRELL	USA	2007	3:22.72	SEYMOUR BANNING	GBR	2003	2:47.65	KIYOJI AMANO	JPN	2006
37.44	HANS REICHELT	GER	2007	3:24.27	HEINZ KRAUSS	GER	2002	2:48.67	RAYMOND TAFT	USA	1994
37.47	NICK TEMPLEMAN	CAN	2001	3:25.51	MARIAN RACZYNSKI	POL	2006	2:49.10	ROGER FRANKS	USA	2002
37.68	AKIO SUGIYAMA	JPN	2005	100 M.	I.M.						
37.71	MANUEL SANGUILY	USA	2004	1:15.92	RONALD JOHNSON	USA	2001	2:49.36	FUMIO EGAMI	JPN	2005
38.12	TONY GOODWIN	AUS	2007	1:16.05	JEFF FARRELL	USA	2007	2:49.89	MASAYASU KAMIYA	JPN	2007
38.15	JOHN KORTHEUER	USA	2001	1:17.22	BURWELL JONES	USA	2003	400 M.	FREE		
38.25	RINALDO FERREIRA	BRA	2007	1:18.44	WOLFRAM GOTTFRIED	GER	2001	5:40.14	GRAHAM JOHNSTON	USA	2006
38.41	TETSUO NAKAMARU	JPN	2005	1:18.44	WOLFRAM GOTTFRIED	GER	2001	5:45.47	HIROSHI YOSHIMURA	JPN	2004
38.50	PETER BELL	CAN	2007	1:19.43	CHARLES BALDWIN	USA	2000	6:01.32	FRANK PIEMME	USA	2000
100 M.	BRST										
1:23.70	HANS REICHELT	GER	2007	1:19.84	HANS REICHELT	GER	2007	6:02.95	RAYMOND TAFT	USA	1995
1:24.13	TONY GOODWIN	AUS	2007	1:20.35	JOHN KORTHEUER	USA	2001	6:04.20	KARL HAUTER	GER	2000
1:24.13	TETSUO NAKAMARU	JPN	2005	1:20.43	JOHN CRISP	AUS	2007	6:07.86	ARAM BOGHOSSIAN	BRA	2004
1:25.11	RON JOHNSON	USA	2003	1:20.99	FRANK PIEMME	USA	1995	6:09.54	KIYOJI AMANO	JPN	2006
1:25.49	PETER BELL	CAN	2007	1:21.48	IKURO SHIMONO	JPN	2007	6:19.79	MASAYASU KAMIYA	JPN	2007
1:27.10	JOHN KORTHEUER	USA	2001	200 M.	I.M.						
1:27.25	BOB PATTEN	USA	2004	2:51.73	BURWELL JONES	USA	2003	6:20.11	ALDO DA ROSA	USA	1993
1:27.38	NICK TEMPLEMAN	CAN	2001	2:51.73	BURWELL JONES	USA	2003	6:20.12	ROGER FRANKS	USA	2002
1:27.42	THOMAS WALKER	GBR	2005	2:55.51	RON JOHNSON	USA	2002	800 M.	FREE		
1:27.58	SHUNSAKU TAKAHIRA	JPN	2003	2:55.58	GRAHAM JOHNSTON	USA	2002	12:00.94	GRAHAM JOHNSTON	USA	2006
200 M.	BRST										
3:05.27	HANS REICHELT	GER	2007	2:57.74	JEFF FARRELL	USA	2007	12:02.87	HIROSHI YOSHIMURA	JPN	2004
3:06.16	TONY GOODWIN	AUS	2007	2:59.87	IKURO SHIMONO	JPN	2007	12:13.28	FRANK PIEMME	USA	2000
3:09.86	PETER BELL	CAN	2005	3:00.88	JESUS DOMINGUEZ	ESP	1996	12:45.40	RAYMOND TAFT	USA	1994
3:12.98	RON JOHNSON	USA	2003	3:03.20	JOHN CRISP	AUS	2005	13:05.48	ED KERSWILL	USA	2001
3:13.39	THOMAS WALKER	GBR	2005	3:04.85	CHARLES BALDWIN	USA	2000	13:14.50	C.BRUNELLESCHI	ITA	1998
				3:05.96	FRANK PIEMME	USA	1995	13:15.02	ALDO DA ROSA	USA	1993
				3:08.13	RAY TAFT	USA	1989	13:16.92	MAURICE LUSIEN	FRA	2001
				400 M.	I.M.						
				6:21.46	BURWELL JONES	USA	2003	13:17.26	DEXTER WOODFORD	USA	1989
				6:23.43	GRAHAM JOHNSTON	USA	2002	13:25.16	KEVIN VICKERY	AUS	1998
				6:38.98	FRANK PIEMME	USA	1995	1500 M.	FREE		
				6:39.24	JOHN CRISP	AUS	2005	22:27.75	GRAHAM JOHNSTON	USA	2006
				6:44.53	E.NODENSCHNEIDER	FRA	2006	22:52.00	HIROSHI YOSHIMURA	JPN	2003
				6:46.14	LARRY GOOD	USA	2004	24:22.70	FRANK PIEMME	USA	2000
				6:47.09	JESUS DOMINGUEZ	ESP	2000	24:46.19	ALDO DA ROSA	USA	1993
								24:47.25	THOMAS TAYLOR	USA	2006



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2007)

25:23.92	RAYMOND TAFT	USA	1994	3:34.29	ALDO DA ROSA	USA	1993	7:32.85	DUANE DRAVES	USA	2002
25:24.81	KARL HAUTER	GER	2001	3:34.40	AUGUSTO ROMANO	ITA	1994	7:35.36	LEN GOLDSTONE	USA	2004
25:25.53	JURGEN SCHMIDT	USA	1998	3:34.55	ZENJI NAKAHARI	JPN	2005				
25:26.79	ROGER FRANKS	USA	2002	50 M. FLY	*****						
25:36.04	MINORU NAGASHIMA	JPN	2001	33.27	ARAM BOGHOSSIAN	BRA	2004	M E N 80-84			
50 M. BACK				34.83	FRANK PIEMME	USA	2000	*****			
36.68	CLARKE MITCHELL	USA	2007	35.80	CLARKE MITCHELL	USA	2007	50 M. FREE			
37.47	KEIJIRO NAKAMURA	JPN	1998	36.42	MASAYASU KAMIYA	JPN	2007	32.61	KEIJIRO NAKAMURA	JPN	2004
38.38	PAUL HUTINGER	USA	1999	36.88	TAMON YOSHIDA	JPN	2001	32.80	FRANK PIEMME	USA	2005
38.83	JACK HALE	GBR	1997	37.18	ROBERT PFERSDORFF	GER	1999	33.23	B.SCHLURIKE	GER	2001
39.14	GORO TANIGUCHI	JPN	1997	37.32	ASHLEY JONES	USA	2006	34.52	FUJIO MYOJIN	JPN	2007
39.56	MAMPEI SEINO	JPN	2007	37.66	YOSHIO ISHIGURO	JPN	2006	34.74	SHOICHI SHIDA	JPN	2006
39.83	RAYMOND TAFT	USA	1994	38.00	JACK HALE	GBR	1997	34.90	TOSHIMI INATOMI	JPN	2006
40.40	SHOICHI SAKAMOTO	JPN	1994	38.28	RON JOHNSON	USA	2006	35.11	SHOICHI SAKAMOTO	JPN	2001
40.93	HORACE KNOWLTON	USA	2004	100 M. FLY							
41.01	DUANE DRAVES	USA	2001	1:30.09	MASAYASU KAMIYA	JPN	2007	35.16	RENATO SALATI	RSA	2007
100 M. BACK				1:32.07	ROBERT PFERSDORFF	GER	2000	35.16	WOODROW BOWERSOCK	USA	1993
1:23.81	CLARKE MITCHELL	USA	2007	1:32.31	RON JOHNSON	USA	2006	35.31	TOSHIO TAJIMA	JPN	2005
1:24.21	KEIJIRO NAKAMURA	JPN	1998	1:32.41	KARL HAUTER	GER	2001	100 M. FREE			
1:25.13	PAUL HUTINGER	USA	2000	1:33.15	HEINZ KRAUSS	GER	2007	1:16.09	KEIJIRO NAKAMURA	JPN	2003
1:25.22	ROGER FRANKS	USA	2002	1:35.31	ASHLEY JONES	USA	2007	1:16.30	SHOICHI SHIDA	JPN	2006
1:26.10	MAMPEI SEINO	JPN	2007	1:35.41	FRANK PIEMME	USA	2000	1:17.02	FRANK PIEMME	USA	2005
1:26.40	JACK HALE	GBR	1997	1:36.80	PAUL KRUP	USA	1992	1:18.67	B.SCHLURIKE	GER	2002
1:27.41	RAYMOND TAFT	USA	1994	1:37.68	TOSHIMASA MINAMI	JPN	2005	1:18.80	HIKOJI UEKI	JPN	1995
1:28.03	HORACE KNOWLTON	USA	2004	1:37.68	TOSHIMASA MINAMI	JPN	2005	1:20.44	TOSHIO SHIMIZU	JPN	2007
1:30.57	H.MIYAZAKI	JPN	1995	1:38.40	MAX VAN GELDER	NED	2000	1:20.65	WOODROW BOWERSOCK	USA	1993
1:31.83	ROGER BURRELL	GBR	2006	200 M. FLY							
200 M. BACK				3:26.72	ROBERT PFERSDORFF	GER	1999	1:20.97	KARL HAUTER	GER	2005
2:58.21	ROGER FRANKS	USA	2002	3:27.58	KARL HAUTER	GER	2001	1:21.28	HIDEAKI KATO	JPN	2001
3:09.22	KEIJIRO NAKAMURA	JPN	1999	3:31.23	MAURICE LUSIEN	FRA	2001	1:21.52	RAYMOND TAFT	USA	1999
3:10.22	RAYMOND TAFT	USA	1994	3:39.51	THOMAS MAINE	USA	2002	200 M. FREE			
3:11.29	MAMPEI SEINO	JPN	2007	3:42.68	TOSHIMASA MINAMI	JPN	2005	3:00.21	KARL HAUTER	GER	2005
3:12.53	PAUL HUTINGER	USA	2000	3:42.99	MINORU NAGASHIMA	JPN	2001	3:00.63	RAYMOND TAFT	USA	1999
3:13.86	BOB BARRY	AUS	2006	3:45.50	HEINZ KRAUSS	GER	2007	3:00.86	FRANK PIEMME	USA	2005
3:14.41	HORACE KNOWLTON	USA	2004	3:47.05	JAN ZIEGLER	CZE	2000	3:01.42	HIKOJI UEKI	JPN	1995
3:14.51	CLARKE MITCHELL	USA	2007	3:47.63	BOB BEST	USA	2007	3:01.91	TOSHIO SHIMIZU	JPN	2007
3:17.07	ROGER BURRELL	GBR	2006	3:48.09	HERB KERN	USA	2007	3:07.37	JIRO KOBAYASHI	JPN	2005
3:17.47	KARL HAUTER	GER	2002	3:48.09	LEN GOLDSTONE	USA	2004	3:08.98	JAN ZIEGLER	CZE	2006
50 M. BRST				100 M. I.M.							
39.97	TOSHIO TAJIMA	JPN	2000	1:24.42	FRANK PIEMME	USA	2000	3:09.57	KEVIN VICKERY	AUS	2003
40.17	ROBERT PFERSDORFF	GER	1999	1:25.36	KARL HAUTER	GER	2000	3:10.03	HIDEAKI KATO	JPN	2001
40.62	JOHN KORTHEUER	USA	2006	1:25.68	MASAYASU KAMIYA	JPN	2007	3:10.15	ALDO DA ROSA	USA	1998
41.61	SHUNSAKU TAKAHIRA	JPN	2007	1:27.24	BOB BEST	USA	2007	400 M. FREE			
42.13	ZENJI NAKAHARI	JPN	2003	1:27.43	RAYMOND TAFT	USA	1994	6:27.60	RAY TAFT	USA	1999
42.14	CHARLES URSTADT	USA	2004	1:27.60	EDWARD BREISACHER	USA	2007	6:30.21	KARL HAUTER	GER	2006
42.30	WALTER MINNICH	GER	1994	1:28.97	BIRCH DAVIDSON	USA	1994	6:35.25	TOSHIO SHIMIZU	JPN	2007
42.30	AUGUSTO ROMANO	ITA	1993	1:29.03	SHOICHI SHIDA	JPN	2001	6:38.17	JAN ZIEGLER	CZE	2005
42.33	GERHARD GIERA	GER	2003	1:29.15	ASHLEY JONES	USA	2007	6:38.23	FRANK PIEMME	USA	2005
42.53	BOB BEST	USA	2007	1:29.21	CHARLES BALDWIN	USA	2005	6:47.71	JURGEN SCHMIDT	USA	2005
100 M. BRST				200 M. I.M.							
1:28.61	ROBERT PFERSDORFF	GER	1999	3:10.06	KARL HAUTER	GER	2000	6:54.21	RYUJI FUJIKAWA	JPN	1998
1:28.72	SHUNSAKU TAKAHIRA	JPN	2007	3:16.44	FRANK PIEMME	USA	2000	6:55.19	ALDO DA ROSA	USA	1998
1:32.85	ERICH NEUMANN	GER	2005	3:19.32	BOB BEST	USA	2007	7:00.11	KEVIN VICKERY	AUS	2003
1:33.20	ZENJI NAKAHARI	JPN	2006	3:20.29	GRAHAM JOHNSTON	USA	2006	7:03.26	ROBERT JOHNSTON	USA	1997
1:34.60	KARL HAUTER	GER	2000	3:20.35	RAYMOND TAFT	USA	1994	800 M. FREE			
1:35.01	IWAO NARUSE	JPN	2007	3:21.65	MASAYASU KAMIYA	JPN	2007	13:29.27	RAYMOND TAFT	USA	1999
1:35.73	TOSHIO TAJIMA	JPN	2002	3:22.14	ALDO V DA ROSA	USA	1992	13:34.55	KARL HAUTER	GER	2007
1:35.82	BOB BEST	USA	2007	3:22.71	HORACE KNOWLTON	USA	2004	13:41.19	FRANK PIEMME	USA	2005
1:35.87	ROBERT MACDONALD	USA	2003	3:26.29	DUANE DRAVES	USA	2001	14:05.05	JURGEN SCHMIDT	USA	2003
1:36.39	CHARLES BALDWIN	USA	2005	3:26.32	ROGER BURRELL	FRA	2007	14:35.51	NILS KLING	SWE	2004
200 M. BRST				400 M. I.M.							
3:21.50	KARL HAUTER	GER	2000	6:52.62	KARL HAUTER	GER	2001	14:36.00	KEVIN VICKERY	AUS	2003
3:24.84	ROBERT PFERSDORFF	GER	1999	6:59.68	FRANK PIEMME	USA	2000	14:37.33	HIROSHI IMAIZUMI	JPN	2005
3:28.02	ESKO SALONEN	FIN	2001	7:07.64	GRAHAM JOHNSTON	USA	2006	14:46.09	NORBERT ARTUS	CAN	1997
3:29.54	AL CRAIG	USA	2003	7:08.53	RAYMOND TAFT	USA	1994	14:49.24	ROBERT JOHNSTON	USA	1997
3:30.52	FRANK PIEMME	USA	2000	7:17.67	BOB BEST	USA	2007	14:50.91	WILLARD LAMB	USA	2006
3:31.43	SHUNSAKU TAKAHIRA	JPN	2007	7:20.86	ALDO V DA ROSA	USA	1992	1500 M. FREE			
3:32.66	ERICH NEUMANN	GER	2005	7:27.62	FRANK TANNER	USA	2006	25:35.01	RAY TAFT	USA	1999
				7:31.50	JAN ZIEGLER	CZE	2001	26:41.69	ALDO DA ROSA	USA	1998



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28:07.58	RYUJI FUJIKAWA	JPN	1999	4:02.12	HANS MORSCHER	AUT	1996		
28:21.48	NORBERT ARTUS	CAN	1997	4:02.90	JACQUES AMYOT	CAN	2004	*****	
28:43.31	DEXTER WOODFORD	USA	1994	50 M. FLY				M E N 85-89	
29:05.37	WILLARD LAMB	USA	2006	40.24	FRANK PIEMME	USA	2005	*****	
50 M. BACK				40.25	TOSHIO TAJIMA	JPN	2005	50 M. FREE	
38.26	KEIJIRO NAKAMURA	JPN	2003	40.40	TAMON YOSHIDA	JPN	2007	36.51	WILLARD LAMB USA 2007
41.31	SHOICHI SHIDA	JPN	2006	41.87	ANDREW HOLDEN	USA	1999	36.61	JIM EUBANK USA 2000
41.58	PAUL HUTINGER	USA	2004	42.14	MAX VON ISSER	USA	1999	37.08	SHOICHI SAKAMOTO JPN 2003
42.11	DALE WEBSTER	USA	2006	42.50	JAN ZIEGLER	CZE	2005	37.16	WOODROW BOWERSOCK USA 1998
42.16	SHOICHI SAKAMOTO	JPN	1998	42.96	SILVANO DANIELI	ITA	2007	37.85	ANDREW HOLDEN USA 2004
42.96	RAY TAFT	USA	1999	44.75	Y.MIYAMOTO	JPN	1997	37.96	WILLIAM JOHNSTON USA 2003
43.66	WILLIAM ROWE	USA	1997	45.44	KAKUICHI YANAGAWA	JPN	2001	38.46	ROGER HALIMI FRA 2007
43.71	OTTO CLAUS	GER	1995	45.55	PAUL KRUP	USA	1998	38.52	GORO KOBAYASHI JPN 2002
43.92	EDWARD SHEA	USA	1994	100 M. FLY				38.82	R.REINSTADTLER GER 1997
44.04	GORO KOBAYASHI	JPN	1998	1:36.53	KARL HAUTER	GER	2005	39.19	ISAMU TAMURA JPN 2004
100 M. BACK				1:41.82	JAN ZIEGLER	CZE	2005	100 M. FREE	
1:25.77	KEIJIRO NAKAMURA	JPN	2003	1:43.20	MAX VAN GELDER	NED	2004	1:23.20	JIM EUBANK USA 2000
1:33.27	PAUL HUTINGER	USA	2004	1:44.29	THOMAS MAINE	USA	2007	1:25.28	WILLARD LAMB USA 2007
1:33.58	RAY TAFT	USA	1999	1:47.17	FRANK PIEMME	USA	2005	1:27.00	HIKOJI UEKI JPN 2000
1:34.16	ROGER FRANKS	USA	2007	1:48.41	MINORU NAGASHIMA	JPN	2006	1:29.62	WOODY BOWERSOCK USA 1998
1:35.25	JAN ZIEGLER	CZE	2005	1:49.06	SILVANO DANIELI	ITA	2007	1:29.92	GORO KOBAYASHI JPN 2003
1:36.13	KARL HAUTER	GER	2006	1:50.39	ANTON CERER	USA	1997	1:34.08	TOKUSHI KOMEDA JPN 2000
1:36.41	ALDO DA ROSA	USA	1998	1:52.51	WALT PFEIFFER	USA	1994	1:34.55	ARTHUR THOMAS AUS 2002
1:37.17	EDWARD SHEA	USA	1994	1:53.80	RAYMOND TAFT	USA	1999	1:35.00	ISAMU TAMURA JPN 2005
1:38.01	DALE WEBSTER	USA	2006	200 M. FLY				1:35.43	ALDO DA ROSA USA 2002
1:38.04	TOSHIJI SATO	JPN	1996	3:52.41	THOMAS MAINE	USA	2007	1:35.66	SHIGEMASA OKAJIMA JPN 2006
200 M. BACK				4:00.64	ANTON CERER	USA	1997	200 M. FREE	
3:10.06	KEIJIRO NAKAMURA	JPN	2003	4:17.12	PAUL KRUP	USA	1997	3:12.85	WILLARD LAMB USA 2007
3:23.73	RAY TAFT	USA	1999	4:17.29	MINORU NAGASHIMA	JPN	2006	3:13.45	JIM EUBANK USA 2000
3:25.46	ROGER FRANKS	USA	2007	4:18.70	HIRONARI UEDA	JPN	2002	3:15.87	HIKOJI UEKI JPN 2000
3:32.87	KARL HAUTER	GER	2005	4:25.99	WALTER PFEIFFER	USA	1994	3:29.01	TOKUSHI KOMEDA JPN 2000
3:33.60	JAN ZIEGLER	CZE	2006	4:37.61	PAUL HUTINGER	USA	2005	3:39.35	SABURO IWASAKI JPN 2001
3:33.91	EDWARD SHEA	USA	1994	4:44.45	LEE ARTH	USA	2005	3:42.64	STEVE CARLSON USA 2006
3:39.12	PAUL HUTINGER	USA	2004	4:50.00	JACQUES AMYOT	CAN	2004	3:43.53	RYUJI FUJIKAWA JPN 2003
3:40.02	G.SHIMOMOTO	JPN	2007	4:52.61	DON LEADER	GBR	2004	3:43.55	KISABURO WADA JPN 2002
3:40.75	C.SCHERER	GER	1995	100 M. I.M.				3:44.09	R.REINSTADTLER GER 1997
3:43.98	JOHN MERRILL	USA	1998	1:31.77	SHOICHI SHIDA	JPN	2006	3:45.82	ARTHUR THOMAS AUS 2002
50 M. BRST				1:32.25	KARL HAUTER	GER	2005	400 M. FREE	
41.42	TOSHIO TAJIMA	JPN	2005	1:32.65	FRANK PIEMME	USA	2005	7:19.94	JIM EUBANK USA 2000
43.99	Y.KAWABATA	JPN	2006	1:33.50	JAN ZIEGLER	CZE	2006	7:27.29	TOKUSHI KOMEDA JPN 1999
44.56	Y.MIYAMOTO	JPN	1997	1:35.31	RAY TAFT	USA	1999	7:47.75	ALDO DA ROSA USA 2002
45.13	HORST FRITSCHKE	GER	2006	1:35.60	MAX VAN GELDER	NED	2004	7:49.70	RYUJI FUJIKAWA JPN 2002
45.40	MAX VON ISSER	USA	1999	1:38.31	ALDO DA ROSA	USA	1998	7:54.24	GUS LANGNER USA 1988
45.52	WATARU ASAOKA	JPN	2005	1:38.56	ANDREW HOLDEN	USA	1999	7:58.36	NILS FERM SWE 2002
45.52	KARL WITTENBERG	GER	1990	1:40.43	SADAYUKI WAKAI	JPN	2003	8:04.16	HIROSHI SAIGO JPN 2001
45.63	BARTON GREENBERG	USA	2004	1:42.52	HIROSHI IMAIZUMI	JPN	2005	8:10.74	ARTHUR THOMAS AUS 2004
45.78	FRANK PIEMME	USA	2005	200 M. I.M.				8:13.18	STEVE CARLSON USA 2004
45.82	MAX VAN GELDER	NED	2004	3:26.48	KARL HAUTER	GER	2006	8:19.50	HAROLD DODD GBR 2004
100 M. BRST				3:37.04	RAYMOND TAFT	USA	1999	800 M. FREE	
1:36.91	KARL HAUTER	GER	2005	3:39.84	ALDO DA ROSA	USA	1998	15:15.68	JIM EUBANK USA 2000
1:39.85	TOSHIO TAJIMA	JPN	2005	3:44.29	THOMAS MAINE	USA	2005	16:19.95	TOKUSHI KOMEDA JPN 1999
1:42.05	FRANK PIEMME	USA	2005	3:46.96	ANTON CERER	USA	1997	16:28.13	HAROLD DODD GBR 2001
1:43.54	MAX VON ISSER	USA	1999	3:48.14	FRANK PIEMME	USA	2007	16:35.66	DICK GUIDO USA 2002
1:43.70	JAN ZIEGLER	CZE	2006	3:50.06	HIROSHI IMAIZUMI	JPN	2005	16:38.41	NILS FERM SWE 2003
1:43.91	Y.MIYAMOTO	JPN	1997	3:50.55	WOODROW BOWERSOCK	USA	1994	16:53.90	GUS LANGNER USA 1988
1:45.09	ALDO DA ROSA	USA	1998	3:59.52	WALT PFEIFFER	USA	1994	16:53.91	RYUJI FUJIKAWA JPN 2002
1:45.51	BARTON GREENBERG	USA	2004	3:59.82	JACQUES AMYOT	CAN	2004	17:32.11	ARTHUR THOMAS AUS 2004
1:45.93	WATARU ASAOKA	JPN	2005	400 M. I.M.				17:47.94	AUSTIN NEWMAN USA 2003
1:46.48	HIROMU YOSHIMOTO	JPN	1995	7:26.06	KARL HAUTER	GER	2005	18:06.10	OLE LARSON USA 2007
200 M. BRST				7:37.58	RAY TAFT	USA	1999	1500 M. FREE	
3:40.73	KARL HAUTER	GER	2005	7:49.23	FRANK PIEMME	USA	2005	29:55.69	JIM EUBANK USA 2000
3:47.50	JAN ZIEGLER	CZE	2006	7:53.88	ALDO DA ROSA	USA	1998	30:31.85	TOKUSHI KOMEDA JPN 1999
3:47.87	FRANK PIEMME	USA	2005	7:55.53	THOMAS MAINE	USA	2007	31:05.09	RYUJI FUJIKAWA JPN 2002
3:50.86	MAX VAN GELDER	NED	2004	8:00.81	ANTON CERER	USA	1997	32:11.96	HAROLD DODD GBR 2004
3:56.33	ISAO FUNAMOTO	JPN	2002	8:33.86	JURGEN SCHMIDT	USA	2003	32:20.20	GUS LANGNER USA 1988
3:57.72	FERNANDO NAJERA	MEX	2003	8:34.45	WALTER PFEIFFER	USA	1994	32:43.03	NILS FERM SWE 2003
3:58.96	ALDO DA ROSA	USA	1998	8:36.45	TED ROACH	CAN	2005	33:50.15	ARTHUR THOMAS AUS 2002
4:00.80	WATARU ASAOKA	JPN	2005	8:38.45	JACQUES AMYOT	CAN	2004	34:02.37	RICHARD SMITH USA 2005



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35:02.69	AUSTIN NEWMAN	USA	2004	50 M. FLY		42.93	TOKUSHI KOMEDA	JPN	2004		
35:27.51	OLE LARSON	USA	2006	43.35	MAX VON ISSER	USA	2004	43.89	KAZUNAGA AKUTSU	JPN	2002
50 M. BACK				47.89	ANDREW HOLDEN	USA	2004	45.03	R.REINSTADTLER	GER	2002
43.80	GORO KOBAYASHI	JPN	2001	50.51	Y.MIYAMOTO	JPN	2002	45.92	MASAHISA KANEKO	JPN	2002
46.08	TOSHIJI SATO	JPN	2000	52.74	WALT PFEIFFER	USA	1998	46.23	MASAO UEDA	JPN	2002
46.35	SHOICHI SAKAMOTO	JPN	2003	53.00	PAUL KRUP	USA	2004	46.94	GASTAO FIGUEIREDO	BRA	2000
47.17	R.REINSTADTLER	GER	1997	53.41	LUDWIG GEBURZI	GER	2006	48.47	NILS FERM	SWE	2007
47.34	ALDO DA ROSA	USA	2002	54.74	ALDO DA ROSA	USA	2002	49.37	HEINZ SIEGEL	GER	2004
48.79	EDWARD SHEA	USA	1999	56.72	KAKUICHI YANAGAWA	JPN	2006	100 M. FREE			
49.24	ANDREW HOLDEN	USA	2004	57.12	WILLIAM JOHNSTON	USA	2003	1:39.26	WOODY BOWERSOCK	USA	2003
49.65	WILLARD LAMB	USA	2007	57.69	MIRIO VISENTIN	ARG	2006	1:41.47	TOKUSHI KOMEDA	JPN	2004
49.75	C.SCHERER	GER	1999	100 M. FLY				1:45.28	GORO KOBAYASHI	JPN	2007
49.86	NILS FERM	SWE	2003	2:01.65	ANDREW HOLDEN	USA	2004	1:47.51	MASAHISA KANEKO	JPN	2002
100 M. BACK				2:04.50	WALT PFEIFFER	USA	1998	1:51.96	HEINZ SIEGEL	GER	2004
1:39.08	GORO KOBAYASHI	JPN	2002	2:13.39	ALDO DA ROSA	USA	2002	1:54.87	R.REINSTADTLER	GER	2002
1:40.25	TOSHIJI SATO	JPN	2000	2:15.51	LUDWIG GEBURZI	GER	2007	1:56.86	ARTHUR THOMAS	AUS	2007
1:48.79	ALDO DA ROSA	USA	2002	2:15.74	PAUL KRUP	USA	2003	1:56.88	GASTAO FIGUEIREDO	BRA	2000
1:48.95	EDWARD SHEA	USA	1999	2:23.30	R.REINSTADTLER	GER	1997	1:57.38	KAZUNAGA AKUTSU	JPN	2004
1:50.96	R.REINSTEDTLER	GER	2000	2:25.92	ALDO CAPUTI	ITA	2003	1:58.42	GUS LANGNER	USA	1993
1:52.69	H.REITEMEYER	GER	2006	2:26.79	HIRONARI UEDA	JPN	2006	200 M. FREE			
1:54.18	HIROMICHI MIYAZAK	JPN	2005	2:28.43	KAKUICHI YANAGAWA	JPN	2006	3:39.65	TOKUSHI KOMEDA	JPN	2004
1:54.47	RYUJI FUJIKAWA	JPN	2002	2:37.89	WILLIAM JOHNSTON	USA	2003	3:48.53	GORO KOBAYASHI	JPN	2007
1:55.25	JOHN MERRILL	USA	2006	200 M. FLY				3:59.28	WOODY BOWERSOCK	USA	2003
1:55.35	TOKUSHI KOMEDA	JPN	2000	4:49.10	WALT PFEIFFER	USA	1998	4:20.43	GASTAO FIGUEIREDO	BRA	2000
200 M. BACK				5:01.50	PAUL KRUP	USA	2002	4:23.15	MASAHISA KANEKO	JPN	2003
3:37.45	GORO KOBAYASHI	JPN	2002	5:33.83	HIRONARI UEDA	JPN	2006	4:26.25	ARTHUR THOMAS	AUS	2007
4:00.80	ALDO DA ROSA	USA	2002	6:10.72	WILLIAM JOHNSTON	USA	2003	4:27.02	NILS FERM	SWE	2007
4:02.65	RYUJI FUJIKAWA	JPN	2002	7:59.16	JAY CHARLES	USA	2007	4:27.70	GUS LANGNER	USA	1993
4:05.07	JOHN MERRILL	USA	2005	8:26.16	ROY BODINE	USA	1997	4:41.18	L GENE CROSSET	USA	2003
4:05.25	C.SCHERER	GER	1999	100 M. I.M.				4:43.45	AUSTIN NEWMAN	USA	2005
4:06.86	EDWARD SHEA	USA	2000	1:32.47	HEINZ SIEGEL	GER	2003	400 M. FREE			
4:09.25	NILS FERM	SWE	2003	1:48.23	ANDREW HOLDEN	USA	2004	8:50.65	GUS LANGNER	USA	1993
4:09.66	R.REINSTADTLER	GER	1999	1:55.20	LUDWIG GEBURZI	GER	2006	9:05.71	JOHN MERRILL	USA	2007
4:16.04	HIROMICHI MIYAZAK	JPN	2005	1:55.35	MAX VON ISSER	USA	2004	9:16.99	NILS FERM	SWE	2007
4:17.43	JOHN HARRISON	GBR	1999	1:56.26	R.REINSTADTLER	GER	1997	9:23.13	AUSTIN NEWMAN	USA	2005
50 M. BRST				1:59.34	ISAMU TAMURA	JPN	2004	9:34.51	TOKUSHI KOMEDA	JPN	2006
47.70	Y.MIYAMOTO	JPN	2002	2:01.14	TOKUSHI KOMEDA	JPN	2001	9:37.35	WOODY BOWERSOCK	USA	2003
48.82	HIROMU YOSHIMOTO	JPN	2000	2:06.07	M.FUKUSHIMA	JPN	2001	9:41.12	R.REINSTADTLER	GER	2003
50.04	SEIJI TAKAHASHI	JPN	2000	2:06.37	FRANK GRIFFITHS	AUS	1994	9:47.46	JIM TRIOLO	USA	2004
50.25	R.REINSTADTLER	GER	2000	2:08.81	ISAO FUNAMOTO	JPN	2007	10:02.86	JOHN HARRISON	GBR	2004
50.44	WALTER MINNICH	GER	2004	200 M. I.M.				10:07.77	L GENE CROSSET	USA	2003
50.69	H.REITEMEYER	GER	2006	4:07.59	ALDO DA ROSA	USA	2002	800 M. FREE			
50.99	PAUL KRUP	USA	2002	4:19.20	ANDREW HOLDEN	USA	2004	18:37.14	NILS FERM	SWE	2007
51.17	KARL WITTENBERG	GER	1995	4:24.58	WALT PFEIFFER	USA	1998	18:49.01	AUSTIN NEWMAN	USA	2005
51.54	MAX VON ISSER	USA	2004	4:42.38	TOKUSHI KOMEDA	JPN	1999	19:31.83	WOODY BOWERSOCK	USA	2003
52.09	LUDWIG GEBURZI	GER	2006	4:51.91	WILLIAM JOHNSTON	USA	2003	20:48.59	JOHN HARRISON	GBR	2004
100 M. BRST				4:56.70	HIRONARI UEDA	JPN	2006	23:32.20	GUS LANGNER	USA	1998
1:50.32	HIROMU YOSHIMOTO	JPN	2000	5:02.31	HERB EISENSCHMIDT	USA	1991	25:36.41	EUGENE LEHMAN	CAN	2004
1:56.21	ALDO DA ROSA	USA	2002	5:08.19	ALDO CAPUTI	ITA	2003	26:55.55	ROMAN JEZEK	CAN	2004
1:59.82	Y.MIYAMOTO	JPN	2002	5:23.70	LUIGI DAVOGLIO	ITA	1995	27:22.19	HOWARD HOLMES	NZL	2007
2:00.02	H.REITEMEYER	GER	2006	5:25.65	TOM MC CALL	USA	2007	1500 M. FREE			
2:01.87	LUDWIG GEBURZI	GER	2006	400 M. I.M.				35:20.36	AUSTIN NEWMAN	USA	2005
2:03.83	MAX VON ISSER	USA	2004	9:32.65	WALT PFEIFFER	USA	1998	38:17.40	NILS FERM	SWE	2007
2:04.45	PAUL KRUP	USA	2002	9:36.09	ANDREW HOLDEN	USA	2004	39:33.78	WOODY BOWERSOCK	USA	2004
2:04.71	SEIJI TAKAHASHI	JPN	2000	10:26.11	HIRONARI UEDA	JPN	2006	40:43.49	JOHN HARRISON	GBR	2004
2:06.89	GIORDANO RAGGI	ITA	1999	10:47.13	HERB EISENSCHMIDT	USA	1991	44:48.99	GUS LANGNER	USA	1996
2:07.15	ALFRED SCHULHOF	CAN	2004	11:07.74	WILLIAM JOHNSTON	USA	2003	47:19.71	EUGENE LEHMAN	CAN	2004
200 M. BRST				11:48.29	TOM MC CALL	USA	2007	51:43.20	PAUL E. SPANGLER	USA	1990
4:16.20	ALDO DA ROSA	USA	2002	12:21.27	JAY CHARLES	USA	2007	50 M. BACK			
4:20.43	HIROMU YOSHIMOTO	JPN	2001	12:53.77	DON MCCULLOUGH	USA	2001	53.24	R.REINSTADTLER	GER	2002
4:28.38	Y.MIYAMOTO	JPN	2002	13:01.15	ROY BODINE	USA	1996	53.32	TOSHIJI SATO	JPN	2005
4:36.88	PAUL KRUP	USA	2002	*****				55.25	JOHN MERRILL	USA	2007
4:44.32	WALT PFEIFFER	USA	1998	M E N 90-94				55.47	KAZUNAGA AKUTSU	JPN	2003
4:45.69	GIORDANO RAGGI	ITA	1999	*****				56.02	NILS FERM	SWE	2007
4:49.45	ALFRED SCHULHOF	CAN	2004	50 M. FREE				56.15	MASAHISA KANEKO	JPN	2003
4:58.98	FRANK GRIFFITHS	AUS	1994	41.07	WOODY BOWERSOCK	USA	2003	57.09	WOODY BOWERSOCK	USA	2003
5:00.00	BUD JACKSON	USA	2004	42.60	GORO KOBAYASHI	JPN	2006	57.73	SHOGORO AZUMA	JPN	2002
5:04.17	BRUD CLEVELAND	USA	2002					59.55	JOHN HARRISON	GBR	2004



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59.92	TOKUSHI KOMEDA	JPN	2006	2:21.82	WALT PFEIFFER	USA	2003	2:23.12	KAZUNAGA AKUTSU	JPN	2007
100 M.	BACK			2:41.14	ALDO CAPUTI	ITA	2005	3:05.23	NORI YAMAMOTO	JPN	2005
1:47.66	GORO KOBAYASHI	JPN	2006	4:25.80	EUGENE LEHMAN	CAN	2003	3:38.07	GUS LANGNER	USA	1998
1:58.27	TOSHIJI SATO	JPN	2005	4:50.20	BILL REEDER	USA	2001	3:59.38	ALFREDO CHERCHI	AUS	2002
2:00.03	JOHN MERRILL	USA	2007	200 M.	FLY			4:00.58	HANS HAHN	GER	2004
2:00.25	R.REINSTADTLER	GER	2002	5:37.23	WALT PFEIFFER	USA	2003	4:27.89	BILL REEDER	USA	2005
2:06.00	WOODY BOWERSOCK	USA	2003	9:14.77	EUGENE LEHMAN	CAN	2003	200 M.	BACK		
2:06.45	NILS FERM	SWE	2007	100 M.	I.M.			7:01.87	ALFREDO CHERCHI	AUS	2002
2:09.05	MASAHISA KANEKO	JPN	2003	2:08.86	TOKUSHI KOMEDA	JPN	2004	8:32.34	GUS LANGNER	USA	1998
2:10.00	JOHN HARRISON	GBR	2006	2:14.23	WALT PFEIFFER	USA	2003	9:31.21	BILL REEDER	USA	2005
2:22.96	ARTHUR THOMAS	AUS	2007	2:16.67	R.REINSTADTLER	GER	2002	50 M.	BRST		
2:24.48	JOHN WHITE	USA	2006	2:18.93	ALDO CAPUTI	ITA	2005	1:22.80	KAZUNAGA AKUTSU	JPN	2007
200 M.	BACK			2:24.64	HEINZ SIEGEL	GER	2004	1:31.60	GUS LANGNER	USA	1998
3:59.25	GORO KOBAYASHI	JPN	2007	2:28.50	WOODY BOWERSOCK	USA	2003	1:47.18	MARTIN SCHMIDT	GER	2007
4:20.68	R.REINSTADTLER	GER	2002	2:32.79	NORI YAMAMOTO	JPN	2000	3:07.96	BILL REEDER	USA	2005
4:25.14	JOHN MERRILL	USA	2007	2:49.39	JOHN HARRISON	GBR	2004	100 M.	BRST		
4:29.54	NILS FERM	SWE	2007	3:00.53	GUS LANGNER	USA	1994	3:35.33	GUS LANGNER	USA	1998
4:47.45	WOODY BOWERSOCK	USA	2003	3:04.52	ROMAN JEZEK	CAN	2004	200 M.	BRST		
4:56.91	GASTAO FIGUEIREDO	BRA	2000	200 M.	I.M.			7:29.31	GUS LANGNER	USA	1998
5:00.38	JOHN HARRISON	GBR	2004	5:13.24	WALT PFEIFFER	USA	2003	100 M.	I.M.		
5:16.23	JEAN LEEMPUT	FRA	2005	6:10.00	JOHN HARRISON	GBR	2004	3:33.98	GUS LANGNER	USA	1998
5:18.95	JIM TRIOLO	USA	2004	7:18.74	ROMAN JEZEK	CAN	2004	5:45.94	BILL REEDER	USA	2005
5:22.05	ARTHUR THOMAS	AUS	2007	7:32.22	EUGENE LEHMAN	CAN	2004				
50 M.	BRST			8:43.21	BILL REEDER	USA	2001	*****			
53.23	HEINZ JAHR	GER	1997	400 M.	I.M.			M E N 100-104			
55.68	HIROMU YOSHIMOTO	JPN	2005	11:15.65	WALT PFEIFFER	USA	2003	*****			
1:00.00	JOHN HARRISON	GBR	2006	15:45.53	EUGENE LEHMAN	CAN	2003	50 M.	FREE		
1:02.37	ALDO CAPUTI	ITA	2005	17:59.19	BILL REEDER	USA	2000	2:06.66	TOM LANE	USA	1995
1:03.85	R.REINSTADTLER	GER	2002	*****				100 M.	FREE		
1:04.67	HEINZ SIEGEL	GER	2004	M E N 95-99				4:32.29	TOM LANE	USA	1995
1:05.61	HANS PAUL	GER	1998	*****				50 M.	BACK		
1:05.91	MASAHISA KANEKO	JPN	2002	50 M.	FREE			2:02.52	TOM LANE	USA	1995
1:06.20	KAZUNAGA AKUTSU	JPN	2002	55.08	KAZUNAGA AKUTSU	JPN	2007	4:17.99	NOBUO OTSUKI	JPN	2007
1:07.22	JIM PENFIELD	USA	1998	57.57	GUS LANGNER	USA	1998				
100 M.	BRST			1:00.40	R.REINSTADTLER	GER	2007				
2:15.14	HIROMU YOSHIMOTO	JPN	2005	1:01.65	GERSON SOBEL	USA	2005				
2:32.87	MASAHISA KANEKO	JPN	2002	1:02.43	MASAO UEDA	JPN	2007				
2:45.20	JIM PENFIELD	USA	1998	1:06.95	JARING TIMMERMAN	CAN	2004				
2:46.31	WALT PFEIFFER	USA	2003	1:10.32	ALFREDO CHERCHI	AUS	2002				
2:49.83	ROMAN JEZEK	CAN	2004	1:38.62	ETSURO YASUI	JPN	2006				
2:49.96	JIM PANTON	CAN	2004	1:43.00	HANS HAHN	GER	2004				
2:54.08	DERRICK DAVEY	GBR	2004	2:07.50	BILL REEDER	USA	2006				
3:00.04	JOHN HARRISON	GBR	2004	100 M.	FREE						
3:01.95	GUS LANGNER	USA	1993	2:09.32	KAZUNAGA AKUTSU	JPN	2007				
3:20.84	YONEO TOBASE	JPN	2000	2:19.51	GUS LANGNER	USA	1998				
200 M.	BRST			2:31.62	JARING TIMMERMAN	CAN	2004				
4:59.71	HIROMU YOSHIMOTO	JPN	2005	3:06.54	R.REINSTADTLER	GER	2007				
5:35.74	MASAHISA KANEKO	JPN	2003	200 M.	FREE						
5:58.17	WALT PFEIFFER	USA	2003	5:13.46	GUS LANGNER	USA	1998				
6:06.92	ROMAN JEZEK	CAN	2004	5:42.47	ALFREDO CHERCHI	AUS	2002				
6:11.93	ALDO CAPUTI	ITA	2005	400 M.	FREE						
6:22.73	JIM PANTON	CAN	2004	10:51.93	GUS LANGNER	USA	1998				
6:41.56	GUS LANGNER	USA	1994	800 M.	FREE						
7:20.98	ARTHUR EVANS	AUS	2004	22:05.55	GUS LANGNER	USA	1998				
7:23.42	JACK MATHIESON	AUS	2007	1500 M.	FREE						
7:24.29	YONEO TOBASE	JPN	2000	41:29.87	GUS LANGNER	USA	1998				
50 M.	FLY			50 M.	BACK						
56.09	WALT PFEIFFER	USA	2003	1:01.25	KAZUNAGA AKUTSU	JPN	2007				
1:00.50	HEINZ JAHR	GER	1997	1:10.42	NORI YAMAMOTO	JPN	2004				
1:07.00	ALDO CAPUTI	ITA	2005	1:21.47	R.REINSTADTLER	GER	2007				
1:08.25	R.REINSTADTLER	GER	2002	1:25.49	JARING TIMMERMAN	CAN	2004				
1:09.41	HEINZ SIEGEL	GER	2004	1:27.67	GUS LANGNER	USA	1998				
1:22.46	NORI YAMAMOTO	JPN	1999	1:33.27	ALFREDO CHERCHI	AUS	2002				
1:25.02	JOHN HARRISON	GBR	2004	1:37.41	MARTIN SCHMIDT	GER	2007				
1:29.42	JIM PENFIELD	USA	1998	1:45.41	HANS HAHN	GER	2003				
1:38.44	ROMAN JEZEK	CAN	2004	1:58.81	BILL REEDER	USA	2005				
1:40.91	EUGENE LEHMAN	CAN	2004	100 M.	BACK						
100 M.	FLY										