



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2009)

*****			17:37.48 MARIA ATKINSON	GBR 2001	2:38.79 CLAIRE DESDOIT	FRA 2009
WOMEN 25-29			17:38.57 S. PALMERWHITE	AUS 1990	2:39.03 ANDREA HILL	USA 2000
*****			50 M. BACK		50 M. FLY	
50 M. FREE			29.20 AKIKO MIZUMOTO	JPN 2006	27.88 NADINE ROLLAND	CAN 2004
25.42 SUMIKA KOMATSU	JPN 2006		29.60 EMILIE JORON	FRA 2006	27.89 A.CISNEROS	USA 2008
26.07 SANDRA KAZIKOVA	CZE 2003		29.66 AYA SHIMODA	JPN 2009	27.98 MABI TSUKIOKA	JPN 2008
26.13 NADINE ROLLAND	CAN 2004		29.90 MICHELA VIGNOTTO	ITA 1999	28.11 AIMEE RAMM	GBR 2007
26.16 ALISON TERRY	USA 1999		30.04 KANA OHASHI	JPN 2003	28.16 SOPHIA SKOU	DEN 2004
26.18 SOPHIA SKOU	DEN 2002		30.05 CAMILLA JOHANSSON	USA 2002	28.17 SARAH HEALEY	GBR 2008
26.19 LISA ANDERSSON	SWE 2007		30.07 M KRIEL	RSA 1999	28.24 LINDA LUND	DEN 2009
26.25 CELINE BAILLOD	SUI 2007		30.11 LIA OBERSTAR	USA 2001	28.35 ALEXA WHITE	GBR 2004
26.34 MIHO OKUHARA	JPN 2003		30.20 FABIOLA MOLINA	BRA 2002	28.42 M.VAN DEN BRAND	NED 2006
26.50 LINDA LUND	DEN 2009		30.22 NAHOMI ERIGUCHI	AUS 2004	28.61 JENNIFER BROOKS	USA 2003
26.52 ANNE BORINSKI	GER 2009		100 M. BACK		100 M. FLY	
100 M. FREE			1:02.32 AKIKO MIZUMOTO	JPN 2007	1:01.33 SHEILA TAORMINA	USA 1996
56.30 SHEILA TAORMINA	USA 1996		1:02.48 KANA OHASHI	JPN 2007	1:01.37 A.CISNEROS	USA 2008
56.91 A.CISNEROS	USA 2008		1:03.26 CAMILLA JOHANSSON	USA 2002	1:01.46 HITOMI MATSUDA	JPN 2005
56.96 HITOMI MATSUDA	JPN 2005		1:03.33 LIA OBERSTAR	USA 2001	1:01.70 LINDA LUND	DEN 2009
56.98 AIMEE RAMM	GBR 2007		1:03.43 EMILIE JORON	FRA 2006	1:01.97 SOPHIA SKOU	DEN 2004
57.09 CELINE BAILLOD	SUI 2007		1:03.77 MARION ZOLLER	GER 1995	1:02.18 SARAH HEALEY	GBR 2008
57.10 ALISON TERRY	USA 1999		1:03.87 GISELE PEREIRA	BRA 2001	1:03.18 MABI TSUKIOKA	JPN 2008
57.47 BERIT PUGGAARD	DEN 1998		1:04.05 M KRIEL	RSA 1999	1:03.36 AIMEE RAMM	GBR 2007
57.65 TARA HUTT	GBR 2004		1:04.50 BERIT PUGGAARD	DEN 1997	1:03.44 BERIT PUGGAARD	DEN 1998
57.70 KATARIN QUELENNEC	FRA 2008		1:04.66 DIANE GRANER	USA 1989	1:03.98 NICOLE HEIDEMANN	GER 2009
57.72 SANDRA KAZIKOVA	CZE 2003		200 M. BACK		200 M. FLY	
200 M. FREE			2:12.84 KANA OHASHI	JPN 2005	2:17.13 S. PALMER-WHITE	AUS 1991
1:59.78 SHEILA TAORMINA	USA 1996		2:14.77 LIA OBERSTAR	USA 2001	2:17.19 HITOMI MATSUDA	JPN 2006
2:02.50 TATIANA BARBOSA	BRA 2007		2:16.45 MARION ZOLLER	GER 1995	2:19.30 SANDRA TEMMERMAN	NED 2005
2:04.59 HITOMI MATSUDA	JPN 2005		2:17.86 JOLANDA DE ROVER	NED 1992	2:20.82 BARBARA KEHBEIN	GER 1997
2:05.67 CELINE BAILLOD	SUI 2007		2:18.65 CAMILLA JOHANSSON	USA 2002	2:21.46 LIA OBERSTAR	USA 2004
2:05.72 SAMUELA MAGNELLI	ITA 2009		2:19.05 PAMELA HANSON	USA 2004	2:22.33 ELVIRA JONKERS	NED 2005
2:05.80 REBECCA WILLIAMS	NZL 1990		2:20.10 CARLA BORGES	BRA 2008	2:23.30 JACKIE THOMPSON	GBR 1994
2:06.08 BARBARA KEHBEIN	GER 1998		2:20.12 BIRGIT DEURING	GER 1996	2:23.46 SAMUELA MAGNELLI	ITA 2009
2:06.20 HEIDI HANNENIAN	USA 1997		2:20.60 EMILIE JORON	FRA 2008	2:23.53 EDITH BELANGER	CAN 2008
2:06.28 KATIE HENDERSON	GBR 2009		2:20.66 DIANE GRANER	USA 1989	2:23.60 CHRISSY MILLER	USA 2002
2:06.28 TARA HUTT	GBR 2005		50 M. BRST		2:23.60 BEATE SCHOLTYSSSEK	GER 1995
400 M. FREE			31.97 NICOLE HEIDEMANN	GER 2009	100 M. I.M.	
4:17.77 FLAVIA RIGAMONTI	USA 2007		32.20 TRACEY MIRANDE	USA 1995	1:03.67 HITOMI MATSUDA	JPN 2005
4:24.18 SHEILA TAORMINA	USA 1996		32.25 CELINE BAILLOD	SUI 2007	1:04.77 NADINE ROLLAND	CAN 2004
4:25.94 LYNN MARSHALL	CAN 1990		32.76 HITOMI MATSUDA	JPN 2006	1:04.97 CELINE BAILLOD	SUI 2008
4:26.18 DIANE GRANER	USA 1989		32.80 RILEY WEST	CAN 2004	1:05.42 NICOLE HEIDEMANN	GER 2009
4:26.56 CHANTAL DUCK	BEL 1993		32.85 LINDA LUND	DEN 2009	1:05.67 WENKE HANSEN	USA 1998
4:27.54 REBECCA WILLIAMS	NZL 1990		33.18 KATIE HENDERSON	GBR 2009	1:06.00 MANUELA NACKEL	GER 1999
4:27.78 SUSANNE KELLER	SUI 2009		33.50 RIA WILLEMSE	NED 1989	1:06.06 NANAMI URATA	JPN 2009
4:27.78 LOUISE STEVENSON	AUS 2009		33.55 RYOKO MARUYAMA	JPN 2009	1:06.18 KANA OHASHI	JPN 2003
4:27.87 BARBARA KEHBEIN	GER 1995		33.70 TAMARA VAN GORKOM	NED 2004	1:06.24 SANDRA KAZIKOVA	CZE 2003
4:28.01 CINDY BERTELINK	CAN 2004		33.70 S.SEMINATORE	ITA 1990	1:06.43 KATIE HENDERSON	GBR 2009
800 M. FREE			100 M. BRST		1:06.43 AIMEE RAMM	GBR 2007
8:51.18 SHEILA TAORMINA	USA 1996		1:09.80 LINDA LUND	DEN 2009	200 M. I.M.	
8:57.39 HITOMI MATSUDA	JPN 2006		1:10.17 KATIE HENDERSON	GBR 2009	2:17.17 HITOMI MATSUDA	JPN 2006
8:57.67 SUSANNE KELLER	SUI 2009		1:10.55 HITOMI MATSUDA	JPN 2005	2:17.35 ERIKO KATO	JPN 2009
9:00.84 PAULA WOOD	GBR 2007		1:10.68 JULIA VENDEVILLE	FRA 2009	2:19.48 CELINE BAILLOD	SUI 2007
9:07.19 S. PALMER-WHITE	AUS 1991		1:10.71 MANUELA NACKEL	GER 1998	2:21.79 WENKE HANSEN	USA 1998
9:08.09 MARIE ATKINSON	GBR 2001		1:11.00 CELINE BAILLOD	SUI 2007	2:22.00 KANA OHASHI	JPN 2007
9:12.32 LYNN MARSHALL	CAN 1991		1:11.80 RILEY WEST	CAN 2004	2:22.81 CINDY BERTELINK	CAN 2003
9:17.98 M.VAN KEULEN	NED 2005		1:12.18 NICOLE HEIDEMANN	GER 2009	2:23.00 ALISON TERRY	USA 1999
9:18.99 DIANE M. GRANER	USA 1990		1:13.26 SILVA PULFRICH	GER 2003	2:23.17 MARION ZOLLER	GER 1995
9:19.05 TOBIE SMITH	USA 1999		1:13.30 WENKE HANSEN	USA 1998	2:23.40 KATARIN QUELENNEC	FRA 2005
1500 M. FREE			200 M. BRST		2:23.44 NICOLE HEIDEMANN	GER 2009
16:36.07 SHEILA TAORMINA	USA 1996		2:30.29 KATIE HENDERSON	GBR 2009	400 M. I.M.	
16:47.66 SUSANNE KELLER	SUI 2009		2:31.18 HITOMI MATSUDA	JPN 2006	4:52.13 HITOMI MATSUDA	JPN 2006
17:00.63 HITOMI MATSUDA	JPN 2006		2:32.73 RILEY WEST	CAN 2004	4:52.81 ERIKO KATO	JPN 2009
17:24.96 PAULA WOOD	GBR 2007		2:35.66 ANDREA PACKARD	USA 2001	4:55.85 KANA OHASHI	JPN 2006
17:29.81 CHANTAL DUCK	BEL 1993		2:36.82 KATJA BRASCHOSS	GER 2007	4:56.01 CELINE BAILLOD	SUI 2008
17:30.18 KAREN BURTON	USA 1991		2:36.93 LINDA LUND	DEN 2009	4:56.98 ALESSANDRA CORTES	BRA 1999
17:36.04 DIANE M. GRANER	USA 1990		2:37.16 NATHALIE ELORRIET	FRA 2000	4:58.92 LOUISE STEVENSON	AUS 2009
17:36.61 LYNN MARSHALL	CAN 1990		2:37.35 HELEN GORMAN	GBR 1998	5:01.26 HELEN SLATTER	GBR 1997



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5:01.69	KATIE HENDERSON	GBR	2009	17:44.19	ALISON ZAMANIAN	USA	2004	2:40.08	SUKI BROWNSDON	GBR	1997
5:02.47	CINDY BERTELINK	CAN	2004	17:46.97	JACQUI ROBINSON	AUS	2005	2:40.61	CAROLINE MATHIAS	FRA	2006
5:02.54	WENKE HANSEN	USA	1998	17:48.12	CYNTHIA LEWIS	USA	2009	2:41.63	KAREN JACKSON	GBR	2004

WOMEN 30-34											

50	M. FREE			50	M. BACK			50	M. FLY		
25.57	SUMIKA KOMATSU	JPN	2009	27.43	MAI NAKAMURA	JPN	2009	26.79	MARTINA MORAVCOVA	USA	2006
25.64	METTE JACOBSEN	DEN	2006	27.61	NORIKO INADA	USA	2009	27.81	METTE JACOBSEN	DEN	2006
25.66	TATIANA BARBOSA	BRA	2008	28.99	METTE JACOBSEN	DEN	2006	27.97	NADINE ROLLAND	CAN	2008
25.98	KATRINA RADKE	USA	2004	29.44	NADINE ROLLAND	CAN	2005	28.05	KATRINA RADKE	USA	2004
26.09	NADINE ROLLAND	CAN	2006	29.58	KANA OHASHI	JPN	2009	28.34	WENKE HANSEN	USA	2000
26.20	SANDRA KAZIKOVA	CZE	2006	30.08	NAHOMI SHIRATA	JPN	2006	28.56	YAYOI SAKAMOTO	JPN	2009
26.46	ANNA PETTIS-SCOTT	USA	1993	30.11	GISELI PEREIRA	BRA	2003	28.63	HELENA ABERG	SWE	2005
26.50	SUSAN HILL	GBR	2003	30.14	D.GRANER-GALLAS	USA	1996	28.71	HITOMI MATSUDA	JPN	2008
26.51	HITOMI MATSUDA	JPN	2009	30.18	MERITXELL GONFAUS	ESP	2009	28.72	ANNA LOHAMANN	SWE	2009
26.51	KATJA TROSIEN	GER	2007	30.36	ANDREA KUTZ	GER	2005	28.72	YUKI WAKUI	JPN	2004
100	M. FREE			100	M. BACK			100	M. FLY		
55.11	ALENA POPCHANKA	FRA	2009	59.53	NORIKO INADA	USA	2009	59.11	MARTINA MORAVCOVA	USA	2006
55.59	TATIANA BARBOSA	BRA	2008	1:01.39	KANA OHASHI	JPN	2009	1:00.11	METTE JACOBSEN	DEN	2006
56.41	METTE JACOBSEN	DEN	2006	1:02.88	METTE JACOBSEN	DEN	2006	1:00.35	HITOMI MATSUDA	JPN	2008
56.48	PASCALE VERBAUWEN	BEL	1993	1:03.36	K.PIPES-NEILSEN	USA	1996	1:02.39	NADINE ROLLAND	CAN	2005
56.64	HITOMI MATSUDA	JPN	2008	1:04.03	J HUDGELL	NZL	1986	1:02.65	BERIT PUGGAARD	DEN	2004
57.33	JANET MAYVILLE	CAN	2006	1:04.16	D.GRANER-GALLAS	USA	1996	1:02.70	WENKE HANSEN	USA	2000
57.35	S.NEILSON-BELL	USA	1988	1:04.30	CAMILLA JOHANSSON	SWE	2004	1:03.04	ANJA BEHA	GER	2005
57.46	KATRINA RADKE	USA	2003	1:04.99	NADINE ROLLAND	CAN	2008	1:03.21	KATRINA RADKE	USA	2003
57.83	TAMARA VAN GORKOM	NED	2005	1:05.02	GISELI PEREIRA	BRA	2003	1:03.34	LAURA BIANZANI	ITA	2006
58.07	K PIPES-NEILSEN	USA	1996	1:05.24	NAHOMI SHIRATA	JPN	2006	1:03.74	FLORENCE CIOTTI	ITA	2006
200	M. FREE			200	M. BACK			200	M. FLY		
2:02.70	HITOMI MATSUDA	JPN	2008	2:12.40	KANA OHASHI	JPN	2009	2:13.09	HITOMI MATSUDA	JPN	2008
2:04.64	K PIPES-NEILSEN	USA	1996	2:12.47	L.OBERSTAR-BROWN	USA	2008	2:19.34	LAURA BIANZANI	ITA	2004
2:04.98	LYNN MARSHALL	CAN	1991	2:13.51	K.PIPES-NEILSEN	USA	1996	2:19.34	KATRINA RADKE	USA	2003
2:05.94	BARBARA KEHBEIN	GER	2000	2:18.19	JOANNA CORBEN	GBR	2002	2:19.64	K PIPES-NEILSEN	USA	1996
2:06.55	KATJA TROSIEN	GER	2008	2:19.60	D.GRANER-GALLAS	USA	1996	2:21.21	FLORENCE CIOTTI	ITA	2006
2:06.64	KARIN SEICK	GER	1994	2:19.66	JO SWATTON	GBR	2000	2:23.00	ANTJE AUHL	GER	2009
2:06.83	SANDY NEILSON	USA	1987	2:21.41	VALERIE HADD	CAN	2009	2:24.17	KATE VEALE	GBR	2000
2:06.94	ANA GRILLO	POR	2003	2:24.11	K.WULFF-HOPPE	GER	2002	2:24.52	MELISSA VARLAS	USA	2005
2:06.96	TAMARA VAN GORKOM	NED	2005	2:24.89	JODY SMITH	USA	2003	2:24.75	SANDIE EASTON	USA	2001
2:07.24	KATRINA RADKE	USA	2003	2:25.19	ANJA EICHHORST	GER	2001	2:24.84	NICOLA LATTY	GBR	2005
400	M. FREE			50	M. BRST			2:24.84	LIDIA VAN BON	NED	2002
4:19.48	HITOMI MATSUDA	JPN	2008	31.12	BRITTA STEVENS	GER	2003	100	M. I.M.		
4:22.70	K PIPES-NEILSEN	USA	1996	32.82	WENKE HANSEN	USA	2000	1:02.07	MARTINA MORAVCOVA	USA	2006
4:22.75	YWETTA HLAVACOVA	CZE	2006	32.93	HITOMI MATSUDA	JPN	2007	1:02.69	HITOMI MATSUDA	JPN	2009
4:22.77	ERIKA HANSEN	USA	2003	33.13	SUKI BROWNSDON	GBR	1995	1:04.44	NADINE ROLLAND	CAN	2005
4:25.56	KIRSTEN CAMERON	NZL	2007	33.65	NADINE ROLLAND	CAN	2008	1:04.96	WENKE HANSEN	USA	1999
4:26.91	LYNN MARSHALL	CAN	1991	33.74	DAGMAR HILBIG	GER	1992	1:05.10	SYLVIA GERASCH	GER	2000
4:27.23	ANA GRILLO	POR	2002	33.99	A.BEAL CLEUZIOU	FRA	2009	1:05.16	K.PIPES-NEILSEN	USA	1995
4:28.10	CINDY BERTELINK	CAN	2009	34.06	SILVA PULFRICH	GER	2009	1:05.58	HIDEKO HIRANAKA	JPN	2004
4:29.49	VALERIA VERGANI	ITA	2005	34.10	KYLA STEENHART	GBR	2008	1:06.25	KANA OHASHI	JPN	2008
4:30.16	ASA NEIJ	SWE	2006	34.13	FIONA MARSHALL	GBR	2008	1:06.29	NORIKO INADA	USA	2008
800	M. FREE			100	M. BRST			1:06.40	SUKI BROWNSDON	GBR	1995
8:55.90	HITOMI MATSUDA	JPN	2008	1:07.39	HITOMI MATSUDA	JPN	2009	200	M. I.M.		
9:01.21	KIRSTEN CAMERON	NZL	2007	1:10.00	WENKE HANSEN	USA	2000	2:13.41	HITOMI MATSUDA	JPN	2009
9:06.49	ERIKA HANSEN	USA	2003	1:11.81	SUKI BROWNSDON	GBR	1995	2:18.79	K.PIPES-NEILSEN	USA	1996
9:08.32	LYNN MARSHALL	CAN	1993	1:12.05	CYNTHIA LEWIS	USA	2009	2:18.89	WENKE HANSEN	USA	2000
9:08.34	K.PIPES-NEILSEN	USA	1996	1:12.80	SYLVIA GERASCH	GER	2000	2:22.66	CYNTHIA LEWIS	USA	2009
9:14.03	ASA NEIJ	SWE	2004	1:12.93	CYNTHIA LEWIN	USA	2008	2:22.72	KATRINA RADKE	USA	2003
9:17.55	BETH KNIGHT	USA	1990	1:14.17	LUCIA BUSSOTTI	ITA	2009	2:22.73	KANA OHASHI	JPN	2009
9:22.24	PENNY BOND	AUS	1996	1:14.28	ALEGRA REICH	USA	2007	2:23.49	CINDY BERTELINK	CAN	2005
9:22.25	CYNTHIA LEWIN	USA	2008	1:14.31	KAREN JACKSON	GBR	2004	2:23.88	NADINE DAY	USA	2003
9:22.65	JOANNE REIERSON	USA	2003	1:14.33	MARIT BREITFELD	GER	2009	2:24.30	KATE VEALE	GBR	2000
1500	M. FREE			200	M. BRST			2:24.96	DAWN HEWITT	USA	1997
17:01.56	KIRSTEN CAMERON	NZL	2007	2:26.96	HITOMI MATSUDA	JPN	2009	400	M. I.M.		
17:13.38	HITOMI MATSUDA	JPN	2007	2:30.65	WENKE HANSEN	USA	2000	4:50.81	HITOMI MATSUDA	JPN	2009
17:21.99	LYNN MARSHALL	CAN	1992	2:37.84	CYNTHIA LEWIN	USA	2008	4:51.33	HIDEKO HIRANAKA	JPN	2004
17:23.60	KAREN BURTON	USA	1994	2:38.21	CYNTHIA LEWIS	USA	2009	4:53.85	K PIPES-NEILSEN	USA	1996
				2:39.65	SYLVIA GERASCH	GER	2000	4:58.16	KANA OHASHI	JPN	2009
								5:04.56	BARBARA KEHBEIN	GER	2000



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5:06.05	SUKI BROWNSDON	GBR	1997	17:27.84	LAURIE HUG	USA	2000	2:44.36	NADINE DAY	USA	2006
5:07.17	CYNTHIA LEWIS	USA	2009	17:35.69	PENNY BOND	AUS	1997	2:44.49	KELLY LEGASPI	USA	2009
5:07.39	NADINE DAY	USA	2002	17:36.24	K PIPES-NEILSEN	USA	1999	2:44.81	DAGMAR HILBIG	GER	1995
5:07.66	ANA GRILO	POR	2003	17:36.58	KRISTINA ULVELING	USA	2008	2:46.93	KEIKO OKAMOTO	JPN	2006
5:08.14	CORNELIA BLEUL	GER	1996	17:43.10	BETH KNIGHT	USA	1994	2:47.30	KAREN KEY	GBR	2009
				17:46.79	VALERIA VERGANI	ITA	2008	2:47.78	NAMI OKAMOTO	JPN	2006
				17:47.08	SARA NELSON	USA	2008	2:48.35	STEFANIA MONTI	ITA	2005
				17:48.96	ALISON ZAMANIAN	USA	2009	2:48.65	KATJA SEEGER-BOSE	GER	2006
				17:54.55	N.MUIR-COCHRANE	GBR	2000	50 M. FLY			

WOMEN 35-39											

50 M. FREE				50 M. BACK				28.37	GISELI PEREIRA	BRA	2009
25.10	DARA TORRES	USA	2006	28.68	SHERI HART	USA	2009	28.58	SHERI HART	USA	2009
26.13	S.NEILSON-BELL	USA	1995	29.00	GISELI PEREIRA	BRA	2009	28.60	YOKO YAMAGUCHI	JPN	2009
26.37	ZOE CRAY	GBR	2009	29.34	ZOE CRAY	GBR	2009	28.65	ZOE CRAY	GBR	2009
26.63	HELENA ABERG	SWE	2007	29.91	CINDY MABEE	CAN	2008	28.68	TRACIE MOLL	USA	2001
26.70	SHERI HART	USA	2008	30.73	BERIT PUGGAARD	DEN	2009	28.86	HELENA ABERG	SWE	2007
26.78	FALL WILLEBOORDSE	USA	2002	30.73	K PIPES-NEILSEN	USA	1999	29.08	K PIPES-NEILSEN	USA	2000
26.99	MARIE ARMENTERO	ITA	2003	30.92	MARIKA MC CUE	USA	2002	29.09	DEBBIE YOUNGER	CAN	2005
27.03	MARIKA JOHANSSON	SWE	2005	31.03	HELEN JAMESON	GBR	1998	29.31	SILVIA PAROCCHI	ITA	2005
27.10	YUKIKO OZAWA	JPN	2003	31.15	CAMILLA JOHANSSON	SWE	2009	29.33	KRISTINA ULVELING	USA	2008
27.15	COLLETTE SAPPEY	USA	2002	31.24	MARIANNE KRIEL	RSA	2006	100 M. FLY			
27.15	TRACIE MOLL	USA	2001	100 M. BACK				1:03.07	DEBBIE YOUNGER	CAN	2005
100 M. FREE				1:02.36	SHERI HART	USA	2009	1:03.29	K PIPES-NEILSEN	USA	1997
54.95	DARA TORRES	USA	2006	1:03.11	GISELI PEREIRA	BRA	2009	1:04.01	KYOKO YAMADA	JPN	2009
57.65	K PIPES-NEILSEN	USA	2000	1:03.38	ZOE CRAY	GBR	2009	1:04.09	MELANIA BUSSIÈRE	CAN	2008
57.79	KARIN SEICK	GER	1996	1:03.56	K PIPES-NEILSEN	USA	1997	1:04.33	TRACIE MOLL	USA	2001
58.09	SHERI HART	USA	2008	1:04.61	CINDY MABEE	CAN	2008	1:04.37	YOKO YAMAGUCHI	JPN	2009
58.57	MANUELA SCHUBERT	GER	2006	1:05.80	CAMILLA JOHANSSON	SWE	2009	1:04.64	LYNNE HAYES	AUS	2007
58.62	S.NEILSON-BELL	USA	1995	1:05.93	KARIN SEICK	GER	1996	1:05.31	BETH BAKER	USA	2000
58.66	BETH KNIGHT	USA	1994	1:05.94	D GRANER GALLAS	USA	1999	1:05.36	GISELI PEREIRA	BRA	2009
58.73	MELANIA BUSSIÈRE	CAN	2008	1:06.02	JOANNA CORBEN	GBR	2005	1:05.49	NADINE DAY	USA	2005
58.79	JILL HERNANDEZ	USA	1999	1:06.47	MELANIA BUSSIÈRE	CAN	2008	200 M. FLY			
58.80	TRACIE MOLL	USA	2001	200 M. BACK				2:18.41	K PIPES-NEILSEN	USA	1997
200 M. FREE				2:14.10	K PIPES-NEILSEN	USA	1997	2:21.76	DEBBIE YOUNGER	CAN	2005
2:03.56	K PIPES-NEILSEN	USA	1997	2:14.49	GISELI PEREIRA	BRA	2009	2:22.48	KYOKO YAMADA	JPN	2009
2:06.18	LAUREEN WELTING	USA	2000	2:19.82	JOANNA CORBEN	GBR	2006	2:24.80	KATE VEALE	GBR	2002
2:06.86	JILL HERNANDEZ	USA	1999	2:22.08	CINDY MABEE	CAN	2008	2:25.06	JILL HERNANDEZ	USA	1997
2:06.96	D GRANER GALLAS	USA	1999	2:22.82	DAPHNE FUCHS	GER	1998	2:25.52	NADINE DAY	USA	2006
2:06.99	VALERIA VERGANI	ITA	2006	2:23.86	SILVIA PAROCCHI	ITA	2002	2:25.81	ALISON ZAMANIAN	USA	2009
2:07.36	MELANIA BUSSIÈRE	CAN	2008	2:24.71	DEBBIE YOUNGER	CAN	2005	2:25.91	LAUREEN WELTING	USA	2000
2:07.58	S.NEILSON-BELL	USA	1995	2:25.89	ANDREA LUALLEN	USA	2001	2:25.96	KRISTINA ULVELING	USA	2008
2:07.69	ANA PAULA GRILO	POR	2004	2:26.96	MONICA OLM	ITA	2005	2:25.96	NICOLA LATTY	GBR	2007
2:07.74	BETH KNIGHT	USA	1994	2:27.11	KRISTIN GARY	USA	2002	100 M. I.M.			
2:08.12	KARIN SEICK	GER	1996	50 M. BRST				1:04.61	SHERI HART	USA	2009
400 M. FREE				33.03	CAROLINE KRATTLI	USA	2000	1:05.40	K PIPES-NEILSEN	USA	2000
4:22.56	K PIPES-NEILSEN	USA	1999	33.14	KELLY LEGASPI	USA	2009	1:05.53	ZOE CRAY	GBR	2009
4:24.56	LAUREEN WELTING	USA	2000	33.89	DAGMAR HILBIG	GER	1993	1:06.50	SILVIA PAROCCHI	ITA	2005
4:26.57	JILL HERNANDEZ	USA	1999	33.91	P.BRULHART N'DULA	SUI	2003	1:07.31	NADINE DAY	USA	2005
4:27.62	VALERIA VERGANI	ITA	2006	34.32	STEFANIA MONTI	ITA	2005	1:07.51	DEBBIE YOUNGER	CAN	2005
4:29.09	PENNY BOND	AUS	1999	34.50	S.SEMINATORE	ITA	2003	1:07.53	CAROLINE KRATTLI	USA	2000
4:29.71	ASA NEIJ	SWE	2008	34.62	ZOE CRAY	GBR	2009	1:07.77	MONICA SORO	ITA	2006
4:30.30	ANA PAULA GRILO	POR	2004	34.63	LESLIE OSBORNE	USA	1989	1:07.93	JANET MAYVILLE	CAN	2009
4:31.35	ALISON ZAMANIAN	USA	2008	34.64	ANNETT REX	GER	2004	1:07.99	KATE VEALE	GBR	2002
4:31.94	CHARLOTT PETERSEN	USA	2001	34.84	K PIPES-NEILSEN	USA	1999	200 M. I.M.			
4:31.98	LYNN MARSHALL	CAN	1997	100 M. BRST				2:19.08	K PIPES-NEILSEN	USA	2000
800 M. FREE				1:11.97	CAROLINE KRATTLI	USA	2000	2:23.47	DEBBIE YOUNGER	CAN	2005
9:12.97	ALISON ZAMANIAN	USA	2006	1:13.08	KELLY LEGASPI	USA	2009	2:24.94	NADINE DAY	USA	2005
9:13.05	ASA NEIJ	SWE	2008	1:14.55	ANNETT REX	GER	2004	2:25.26	KARIN SEICK	GER	1996
9:14.27	LAURIE HUG	USA	2000	1:15.50	NADINE DAY	USA	2005	2:25.39	JILL HERNANDEZ	USA	1997
9:14.92	KRISTINA ULVELING	USA	2008	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	1:15.96	MIZUHO KAMADA	JPN	2009	2:27.72	LAUREEN WELTING	USA	2000
9:20.34	LAURIE DODD	USA	2007	1:16.23	MANAMI HARAKAWA	JPN	2009	2:27.76	ALISON ZAMANIAN	USA	2009
9:21.70	VALERIA VERGANI	ITA	2009	1:16.40	DAGMAR HILBIG	GER	1995	2:27.85	SARA NELSON	USA	2008
9:21.94	LYNN MARSHALL	CAN	1996	1:16.62	P.BRULHART N'DULA	SUI	2003	400 M. I.M.			
9:23.86	N.MUIR-COCHRANE	GBR	2000	200 M. BRST				4:52.83	K PIPES-NEILSEN	USA	1997
1500 M. FREE				2:36.04	CAROLINE KRATTLI	USA	2000	5:02.22	LAUREEN WELTING	USA	2000
17:20.59	LYNN MARSHALL	CAN	1996	2:42.58	HELEN GORMAN	GBR	2008	5:09.87	NADINE DAY	USA	2006



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5:10.43	JILL HERNANDEZ	USA	1999	17:38.37	LYNN MARSHALL	CAN	2002	2:39.10	CAROLINE KRATTLI	USA	2002
5:12.40	VALERIA VERGANI	ITA	2007	17:45.50	K PIPES-NEILSEN	USA	2003	2:41.87	H.MORRIS-EYTON	RSA	2009
5:12.42	KATE VEALE	GBR	2002	17:52.93	N.MUIR-COCHRANE	GBR	2004	2:43.88	MARZENA KULIS	ITA	2008
5:12.55	SARA NELSON	USA	2008	17:55.11	AMANDA PICARD	SUI	2009	2:44.80	KEIKO OKAMOTO	JPN	2009
5:12.75	ANA PAULA GRILO	POR	2004	18:02.62	SUZANN HEIM-BOWEN	USA	1998	2:46.13	ANGELA DELISSEN	GER	2007
5:13.70	JOANNA CORBEN	GBR	2007	18:03.41	LAURIE HUG	USA	2008	2:47.00	S.SEMINATORE	ITA	2004
5:14.35	BIRGIT LOHBERG	USA	2004	18:12.13	JILL GELLATLY	USA	2009	2:47.54	DAGMAR HILBIG	GER	1999
				18:24.38	AMY DANTZLER	USA	2006	2:49.01	AMANDA HEATH	GBR	1998
*****				18:29.76	ROBYNN MASTERS	USA	1999	2:49.20	LOUISE MORRIS	GBR	2009
WOMEN 40-44				18:30.26	C.PETERSEN	USA	2007	50 M. FLY			
*****				50 M. BACK				28.13	GABRIELE BLANK	GER	2006
50 M. FREE				30.00	CINDY MABEE	CAN	2009	28.21	SUSAN VD LIPPE	USA	2006
26.40	MARIKA JOHANSSON	SWE	2008	30.72	JODY SMITH	USA	2009	28.86	SILVIA PAROCCHI	ITA	2007
26.66	S.NEILSON-BELL	USA	1996	30.74	KRISTIN GARY	USA	2008	29.06	ASTRID BENCSIK	SWE	2000
26.67	EDITH OTTERMANN	RSA	2007	30.97	K.PIPES-NEILSEN	USA	2005	29.07	EDITH OTTERMANN	RSA	2009
26.70	S. VON DER LIPPE	USA	2008	30.99	JUNKO NAKANO	JPN	2009	29.45	MARIE SADLER	GBR	2000
26.70	GIOVANNI MORELLI	SUI	2007	31.06	FALL WILLEBOORDSE	USA	2009	29.51	K PIPES-NEILSEN	USA	2003
26.79	JUNKO NAKANO	JPN	2009	31.40	MARIKA MCCUE	USA	2003	29.57	DANIELA DE PONTI	ITA	2006
26.95	BETH KNIGHT	USA	1999	31.44	JULIE ROBERTS	USA	2008	29.68	BETH BAKER	USA	2001
27.04	HAYLEY BETTINGSON	GBR	2006	31.53	SYLVIE ALLERY	FRA	2009	29.75	CYNTHIA PINCOTT	CAN	2003
27.05	JENNIE BUCKNELL	AUS	2009	31.55	LAURA VAL	USA	1993	100 M. FLY			
27.18	SARAH MACDONALD	CAN	2004	100 M. BACK				1:01.70	S.VON DER LIPPE	USA	2009
100 M. FREE				1:04.63	CINDY MABEE	CAN	2009	1:03.31	K PIPES-NEILSEN	USA	2003
57.55	S.VON DER LIPPE	USA	2008	1:05.43	K PIPES-NEILSEN	USA	2002	1:04.93	SILVIA PAROCCHI	ITA	2006
57.60	K PIPES-NEILSEN	USA	2003	1:05.56	KRISTIN GARY	USA	2009	1:05.19	BIRGIT LOHBERG	USA	2009
58.81	JILL HERNANDEZ	USA	2000	1:05.91	JODY SMITH	USA	2009	1:05.45	DANIELA DE PONTI	ITA	2006
59.55	JENNIFER WILLIS	USA	2009	1:06.61	SILVIA PAROCCHI	ITA	2008	1:05.49	BETH BAKER	USA	2001
59.61	JENNIE BUCKNELL	AUS	2009	1:07.30	SYLVIE ALLERY	FRA	2009	1:05.84	JILL HERNANDEZ	USA	2000
59.71	ANA PAULA GRILO	ESP	2009	1:07.75	VIBEKE SWANSON	USA	2002	1:05.93	JULIE GIBSON	GBR	2009
59.77	SARAH MACDONALD	CAN	2003	1:07.92	BETH BAKER	USA	2001	1:06.10	ANGELA DELISSEN	GER	2008
59.82	JULIE GIBSON	GBR	2009	1:07.96	JENNIFER WILLIS	USA	2009	1:06.45	MARIE SADLER	GBR	2000
59.83	S.NEILSON-BELL	USA	1996	1:07.96	UTE ROMBERG	GER	2001	200 M. FLY			
59.88	SILVIA PAROCCHI	ITA	2007	200 M. BACK				2:20.66	SUSAN VD LIPPE	USA	2006
200 M. FREE				2:19.06	JODY SMITH	USA	2009	2:20.71	K PIPES-NEILSEN	USA	2002
2:05.26	K PIPES-NEILSEN	USA	2003	2:19.09	K PIPES-NEILSEN	USA	2003	2:25.30	JUDY BROWN	GBR	2005
2:05.55	S.VON DER LIPPE	USA	2008	2:22.02	CINDY MABEE	CAN	2009	2:26.07	BIRGIT LOHBERG	USA	2006
2:06.81	JILL HERNANDEZ	USA	2000	2:22.68	KRISTIN GARY	USA	2008	2:26.15	BETH BAKER	USA	2001
2:09.10	BIRGIT LOHBERG	USA	2009	2:23.22	SILVIA PAROCCHI	ITA	2006	2:27.12	JULIE GIBSON	GBR	2009
2:09.53	BETH KNIGHT	USA	1999	2:25.78	BETH BAKER	USA	2001	2:27.65	ANGELA DELISSEN	GER	2008
2:10.16	JODY SMITH	USA	2009	2:27.40	LAURA SMITH	USA	2008	2:28.39	MARZENA KULIS	ITA	2007
2:10.56	AMANDA PICARD	SUI	2008	2:28.01	VIBEKE SWANSON	USA	2002	2:28.50	LYNN MARSHALL	CAN	2004
2:10.64	JENNIFER RIDGE	USA	2009	2:29.22	HELEN WHITFORD	AUS	2007	2:28.62	ANA PAULA GRILO	ESP	2009
2:11.16	SILVIA PAROCCHI	ITA	2006	2:29.40	ANGELA DELISSEN	GER	2007	100 M. I.M.			
2:11.43	LYNN MARSHALL	CAN	2002	50 M. BRST				1:04.25	S.VON DER LIPPE	USA	2008
400 M. FREE				32.29	S.VON DER LIPPE	USA	2009	1:05.56	K PIPES-NEILSEN	USA	2003
4:21.75	K PIPES-NEILSEN	USA	2003	33.67	CAROLINE KRATTLI	USA	2003	1:07.20	CAROLINE KRATTLI	USA	2002
4:24.22	JILL HERNANDEZ	USA	2000	34.11	MAGGIE KELLY	GBR	2000	1:08.14	ANGELA DELISSEN	GER	2009
4:28.58	AMANDA PICARD	SUI	2008	34.31	MARZENA KULIS	ITA	2007	1:08.18	SILVIA PAROCCHI	ITA	2006
4:32.89	LYNN MARSHALL	CAN	2001	34.34	DAGMAR HILBIG	GER	1998	1:08.48	MAGGIE KELLY	GBR	1998
4:34.33	S.VON DER LIPPE	USA	2009	34.38	H.MORRIS-EYTON	RSA	2009	1:08.49	FALL WILLEBOORDSE	USA	2009
4:34.83	BIRGIT LOHBERG	USA	2005	34.98	K PIPES-NEILSEN	USA	2002	1:08.74	ANETTE PHILIPSSON	SWE	2008
4:34.83	SUZANN HEIM-BOWEN	USA	1998	35.22	E.HAKANSSON	CAN	2000	1:08.82	SARAH MACDONALD	CAN	2003
4:37.16	JENNIFER RIDGE	USA	2009	35.38	S.SEMINATORE	ITA	2006	1:08.91	JILL HERNANDEZ	USA	2004
4:37.53	HELEN WHITFORD	AUS	2009	35.40	MONICA CORO	ITA	2005	200 M. I.M.			
4:37.83	CLAUDIA KERN	GER	2006	100 M. BRST				2:19.21	S.VON DER LIPPE	USA	2007
800 M. FREE				1:10.55	S.VON DER LIPPE	USA	2007	2:20.55	K PIPES-NEILSEN	USA	2003
9:09.71	K PIPES-NEILSEN	USA	2003	1:12.08	CAROLINE KRATTLI	USA	2003	2:22.51	JILL HERNANDEZ	USA	2000
9:16.07	AMANDA PICARD	SUI	2008	1:13.16	MARZENA KULIS	ITA	2007	2:25.86	BIRGIT LOHBERG	USA	2006
9:21.44	LYNN MARSHALL	CAN	2001	1:14.79	MAGGIE KELLY	GBR	1998	2:26.51	CAROLINE KRATTLI	USA	2003
9:26.96	N.MUIR-COCHRANE	GBR	2004	1:15.66	H.MORRIS-EYTON	RSA	2008	2:26.80	ANGELA DELISSEN	GER	2009
9:29.90	SUZANN HEIM-BOWEN	USA	1998	1:15.69	ANGELA DELISSEN	GER	2009	2:27.37	JODY SMITH	USA	2009
9:30.29	LESLEIGH MAYES	AUS	2000	1:16.75	LOUISE MORRIS	GBR	2009	2:27.66	SILVIA PAROCCHI	ITA	2007
9:32.90	LAURIE HUG	USA	2008	1:17.02	DAGMAR HILBIG	GER	2000	2:28.10	VIBEKE SWANSON	USA	2001
9:35.07	CLAUDIA KERN	GER	2006	1:17.04	K PIPES-NEILSEN	USA	2002	2:28.94	MARZENA KULIS	ITA	2007
9:37.48	JILL GELLATLY	USA	2009	1:17.71	M.ODILE CHARLES	FRA	2003	400 M. I.M.			
9:38.14	MARGE CURRAN	USA	2005	200 M. BRST				5:00.82	K PIPES-NEILSEN	USA	2002
1500 M. FREE				2:32.37	S.VON DER LIPPE	USA	2008	5:02.17	JILL HERNANDEZ	USA	2000



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5:03.49	SUSAN VD LIPPE	USA	2006	1500 M. FREE		2:37.19	MARZENA KULIS	ITA	2009		
5:13.39	BIRGIT LOHBERG	USA	2006	17:46.32	LYNN MARSHALL	CAN	2007	2:42.10	CAROLINE KRATTLI	USA	2007
5:13.86	VIBEKE SWANSON	USA	2001	17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:47.91	K.PIPES-NEILSEN	FRA	2009
5:15.87	ANA PAULA GRILO	ESP	2009	18:34.95	SUSANNA ROSEN	SWE	2009	2:48.38	JENNY WHITELEY	AUS	2003
5:16.55	HELEN WHITFORD	AUS	2009	18:38.83	ANDREA BLOCK	USA	2009	2:48.56	JUDIT HAIDU	AUT	2007
5:18.30	ANGELA DELISSEN	GER	2007	18:40.49	SUSANNE SIMPSON	USA	2008	2:49.50	MONICA CORO	ITA	2007
5:21.60	LYNN MARSHALL	CAN	2001	18:41.77	M.ELIAS-WILLIAMS	USA	2009	2:50.41	CLAUDIA KERN	GER	2009
5:22.05	JODY SMITH	USA	2009	18:50.04	N.MUIR-COCHRANE	GBR	2009	2:51.75	LISA WARD	USA	2009
				18:52.67	MARGEE CURRAN	USA	2007	2:53.23	AMANDA HEATH	GBR	2003
*****				18:55.82	LAURA VAL	USA	1998	2:53.58	LOTTE KOBELGAARD	DEN	2009
	WOMEN 45-49			18:58.40	C.TARANTINO	ITA	2002	50 M. FLY			
*****				50 M. BACK				29.10	HAYLEY BETTINSON	GBR	2009
50 M. FREE				30.58	K.PIPES-NEILSEN	USA	2007	29.21	LAURIE DITOMMASO	USA	2008
27.09	K.PIPES-NEILSEN	USA	2007	31.14	LESLIE LIVINGSTON	USA	2009	29.40	K.PIPES-NEILSEN	FRA	2009
27.17	HAYLEY BETTINSON	GBR	2009	31.45	BARBARA OPITZ	GER	2006	29.69	LESLIE LIVINGSTON	USA	2009
27.31	SARAH MACDONALD	CAN	2005	32.02	SHIZUKO HIRAISHI	JPN	2009	29.71	SHIZUKO HIRAISHI	JPN	2009
27.54	LISA DAHL	USA	2006	32.51	LAURIE DITOMMASO	USA	2008	29.97	USCHI DUMIG	GER	2005
27.69	LIZ HOBBS	USA	2007	32.54	VIBEKE SWANSON	USA	2006	30.02	KARIN SEICK	GER	2006
27.77	KARIN SEICK	GER	2006	32.59	K.ANDRUS-HUGHES	USA	2006	30.18	LISA DAHL	USA	2006
27.77	JENNY WHITELEY	AUS	2003	32.61	SUSANNA ROSEN	SWE	2009	30.24	TRACI GRANGER	USA	2007
27.78	STEFANIE NIEMIETZ	GER	2008	32.65	L VAN PELT-DILLER	USA	2003	30.37	ARLENE DELMAGE	USA	2008
27.80	MARIA NORBERG	SWE	2009	32.67	LAURA VAL	USA	1999	100 M. FLY			
28.02	LAURIE DITOMMASO	USA	2008	100 M. BACK				1:03.96	K.PIPES-NEILSEN	USA	2009
100 M. FREE				1:04.46	K.PIPES-NEILSEN	FRA	2009	1:06.75	SHIZUKO HIRAISHI	JPN	2008
58.61	K.PIPES-NEILSEN	USA	2007	1:07.21	ELLEN REYNOLDS	USA	2009	1:07.07	JUDITH HATTLE	GBR	2005
59.58	SARAH MACDONALD	CAN	2005	1:09.20	VIBEKE SWANSON	USA	2006	1:07.99	SUZANNE SIMPSON	USA	2005
1:00.41	KARIN SEICK	GER	2007	1:09.27	VERA CAPKOVA	BEL	2006	1:08.05	BARBARA GELLRICH	GER	2009
1:00.67	SUSANNA ROSEN	SWE	2009	1:09.58	LESLIE LIVINGSTON	USA	2009	1:08.09	MARZENA KULIS	ITA	2009
1:01.42	JENNY WHITELEY	AUS	2003	1:09.68	KARIN SEICK	GER	2007	1:08.10	LAURA VAL	USA	1999
1:01.58	REBECCA PERROTT	NZL	2009	1:09.90	L.PELT-DILLER	USA	2006	1:08.54	ARLENE DELMAGE	USA	2007
1:01.67	HAYLEY BETTINSON	GBR	2009	1:10.17	LISA WARD	USA	2009	1:08.85	ANDREA BLOCK	USA	2009
1:01.90	BARBARA GELLRICH	GER	2009	1:10.33	LISA DIXON-WELLS	CAN	2006	1:09.17	LYNN MARSHALL	CAN	2008
1:01.97	CATHY CODLING	AUS	2008	1:10.40	SUSANNA ROSEN	SWE	2009	200 M. FLY			
1:01.99	MARIA NORBERG	SWE	2009	200 M. BACK				2:23.18	K.PIPES-NEILSEN	USA	2009
200 M. FREE				2:18.15	K.PIPES-NEILSEN	FRA	2009	2:26.31	S. PALMER-WHITE	AUS	2009
2:05.94	K.PIPES-NEILSEN	USA	2007	2:27.50	ELLEN REYNOLDS	USA	2009	2:28.26	LYNN MARSHALL	CAN	2006
2:10.91	S HEIM-BOWEN	USA	2003	2:28.11	LISA WARD	USA	2009	2:29.32	SUZANNE SIMPSON	USA	2005
2:11.00	LYNN MARSHALL	CAN	2006	2:31.42	LYNN MARSHALL	CAN	2006	2:30.44	ARLENE DELMAGE	USA	2008
2:11.09	JENNY WHITELEY	AUS	2003	2:31.71	NAOKO SHIDE	JPN	2009	2:32.52	LAURA VAL	USA	1999
2:12.72	REBECCA PERROTT	NZL	2009	2:32.14	BRIGID BUNCH	USA	2009	2:33.73	CYNTHIA PINCOTT	CAN	2007
2:13.72	BARBARA GELLRICH	GER	2008	2:32.56	VIBEKE SWANSON	USA	2006	2:34.15	JUDY HATTLE	GBR	2005
2:14.03	SUSANNA ROSEN	SWE	2008	2:32.74	L.PELT-DILLER	USA	2006	2:35.17	JENNY WHITELEY	AUS	2003
2:15.14	MARGEE CURRAN	USA	2009	2:33.97	WHITNEY ZEIGER	USA	2008	2:35.46	SHIZUKO HIRAISHI	JPN	2008
2:15.31	LAURA VAL	USA	2000	2:34.50	LESLEY WILDE	GBR	2004	100 M. I.M.			
2:15.44	JANA MATENA	USA	2007	50 M. BRST				1:05.61	K.PIPES-NEILSEN	FRA	2009
400 M. FREE				33.56	MARZENA KULIS	ITA	2009	1:08.59	CAROLINE KRATTLI	USA	2007
4:25.34	K.PIPES-NEILSEN	USA	2009	33.94	CAROLINE KRATTLI	USA	2007	1:08.81	SARAH MACDONALD	CAN	2009
4:30.98	S HEIM-BOWEN	USA	2003	34.36	ALISON NYE	GBR	2002	1:08.85	MARZENA KULIS	ITA	2009
4:33.09	LYNN MARSHALL	CAN	2006	34.60	SWICZINSKY-KORDES	GER	2001	1:09.68	JENNY WHITELEY	AUS	2003
4:38.86	SUSANNA ROSEN	SWE	2009	34.64	MAGGIE KELLY	GBR	2001	1:10.39	SHIZUKO HIRAISHI	JPN	2007
4:41.91	REBECCA PERROTT	NZL	2009	34.70	JUDY GARAY	CAN	2005	1:10.47	VIBEKE SWANSON	USA	2006
4:43.49	JENNY WHITELEY	AUS	2003	34.79	MONICA CORO	ITA	2007	1:10.59	LAURIE DITOMMASO	USA	2008
4:43.60	MARGEE CURRAN	USA	2007	34.84	K.PIPES-NEILSEN	FRA	2009	1:10.77	LISA WARD	USA	2009
4:43.85	BARBARA GELLRICH	GER	2007	35.32	S.SEMINATORE	ITA	2009	1:10.87	MAGGIE KELLY	GBR	2001
4:44.28	ANDREA BLOCK	USA	2009	35.43	ELKE SCHMITZ	GER	2009	200 M. I.M.			
4:44.31	CLAUDIA KERN	GER	2009	100 M. BRST				2:21.55	K.PIPES-NEILSEN	USA	2009
800 M. FREE				1:11.78	MARZENA KULIS	ITA	2009	2:29.40	MARZENA KULIS	ITA	2009
9:11.37	K.PIPES-NEILSEN	USA	2009	1:13.38	CAROLINE KRATTLI	USA	2007	2:29.69	CAROLINE KRATTLI	USA	2007
9:21.65	LYNN MARSHALL	CAN	2006	1:15.86	MONICA CORO	ITA	2007	2:31.27	LISA WARD	USA	2009
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:16.06	K.PIPES-NEILSEN	USA	2007	2:31.57	ELLEN REYNOLDS	USA	2009
9:35.81	CLAUDIA KERN	GER	2009	1:17.16	MAGGIE KELLY	GBR	2001	2:31.99	VIBEKE SWANSON	USA	2006
9:36.13	SUSANNA ROSEN	SWE	2009	1:18.13	JENNY WHITELEY	AUS	2003	2:32.62	REBECCA PERROTT	NZL	2009
9:40.50	MARGEE CURRAN	USA	2007	1:18.81	KATE SORENSEN	DEN	2009	2:33.25	LYNN MARSHALL	CAN	2006
9:40.69	SUSANNE SIMPSON	USA	2008	1:18.88	ELKE SCHMITZ	GER	2009	2:34.02	JENNY WHITELEY	AUS	2003
9:41.99	BARBARA GELLRICH	GER	2007	1:18.98	SARAH MACDONALD	CAN	2009	2:34.13	LISA DIXON-WELLS	CAN	2008
9:44.72	AMY DANTZLER	USA	2009	1:19.01	S.SEMINATORE	ITA	2009	400 M. I.M.			
9:47.44	ANDREA BLOCK	USA	2009	200 M. BRST				5:00.29	K.PIPES-NEILSEN	FRA	2009



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Walt Reid – FINA Masters Recorder



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2009)

5:32.60	JENNY WHITELEY	AUS	2008	10:54.55	PAT SARGEANT	USA	2008	1:27.39	DEB WALKER	USA	2008
5:36.28	LAURA VAL	USA	2002	10:55.49	CAROLYN BATTIN	USA	2009	200 M. BRST			
5:37.20	JEANNE CARLSEN	CAN	2009	1500 M. FREE				3:02.37	CATHERINE KOHN	USA	2009
5:41.78	PAULA JAMES	USA	2009	18:53.74	LAURA VAL	USA	2008	3:05.26	ULRIKE URBANIAK	GER	2008
5:42.32	JENNY COOK	USA	2008	19:24.70	BARBARA DUNBAR	USA	2004	3:05.98	FRANCES PENWARDEN	GBR	2009
5:43.22	N.STEADMAN-MARTIN	USA	2007	19:34.48	N.STEADMAN-MARTIN	USA	2009	3:06.41	JENNIFER MERRITT	GBR	2006
5:44.22	DANIELLE OGIER	USA	2002	19:45.99	CHRISTIE CIRAULO	USA	2008	3:08.87	BONNIE PRONK	CAN	1997
5:44.58	COLETTE CRABBE	USA	2008	20:49.11	JEN THOMASSON	AUS	1998	3:09.71	INEKE WEEKERS	NED	2009
5:49.43	AHELEE SUE OSBORN	USA	2009	21:08.78	S.LOFTUS-CHARLEY	USA	2009	3:10.93	HANNELORE ROSE	GER	1999
5:51.13	KATHERINE BRANCH	USA	2007	21:13.11	PAT SARGEANT	USA	2009	3:11.28	ELAINE BROMWICH	GBR	1997
				21:20.29	SUSAN HAIGH	GBR	2007	3:12.11	CATHY MERRITT	CAN	2007
				21:23.11	JUNKO SATO	JPN	2009	3:12.18	DALE BARNHARD	USA	2003
*****				21:32.11	KAREN BIERWERT	USA	2008	50 M. FLY			
	WOMEN 55-59			50 M. BACK				31.13	LAURA VAL	USA	2009
*****				32.62	LAURA VAL	USA	2009	31.92	JUDY WILSON	GBR	2000
50 M. FREE				34.76	BENEDICTE DUPREZ	FRA	2007	32.93	CHRISTIE CIRAULO	USA	2008
28.49	LAURA VAL	USA	2009	35.00	DEBORAH BARTON	GBR	2004	33.15	CONNY BOER-BUYS	NED	2009
28.58	JACKI HIRSTY	USA	2009	35.38	MINDY DOUGHERTY	USA	2009	33.43	JANIE COLE	USA	2009
29.05	PAT SARGEANT	USA	2008	35.56	EVIE LYNCH	USA	2009	33.49	PAT SARGEANT	USA	2008
29.16	REGULA STEIGER	SUI	2008	35.82	SILVANA NABUCO	BRA	1998	33.57	JACKI HIRSTY	USA	2009
29.46	LYNN MORRISON	USA	2009	35.88	SATOKO TAKEUJI	JPN	1997	33.66	ARDETH MUELLER	USA	1997
29.59	HEATHER CAMPBELL	NZL	2008	36.02	CAROL FELLOWS	GBR	2001	33.76	YOSHIKO KADOSAKA	JPN	2004
29.87	CONNY BOER-BUYS	NED	2005	36.07	BA BARNETT-SALLEE	USA	2001	33.85	YVONNE LEONOV	ISR	2003
30.10	MICAELA ICHTHOFEN	CAN	2009	36.10	MARGIT OHLSSON	SWE	2003	100 M. FLY			
30.10	LAURIE SMITH	USA	2009	100 M. BACK				1:09.23	LAURA VAL	USA	2009
30.25	M.RICHTHOFEN	GER	2008	1:12.23	LAURA VAL	USA	2008	1:12.99	JUDY WILSON	GBR	2001
100 M. FREE				1:16.25	BENEDICTE DUPREZ	FRA	2007	1:14.68	PAT SARGEANT	USA	2008
1:01.33	LAURA VAL	USA	2009	1:16.26	EVIE LYNCH	USA	2009	1:15.80	CHRISTIE CIRAULO	USA	2008
1:02.75	HEATHER CAMPBELL	NZL	2008	1:16.97	MINDY DOUGHERTY	USA	2009	1:16.31	BARBARA DUNBAR	USA	2004
1:04.77	PAT SARGEANT	USA	2008	1:18.80	PAT SARGEANT	USA	2009	1:18.67	M.HILLENBRAND	GER	2009
1:05.31	JACKI HIRSTY	USA	2009	1:19.20	BA BARNETT-SALLEE	USA	2001	1:18.70	SUSANA BARKLEY	ESP	2000
1:05.84	N.STEADMAN-MARTIN	USA	2009	1:19.37	MARGIT OHLSSON	SWE	2003	1:18.75	ARDETH MUELLER	USA	1997
1:06.11	CONNY BOER-BUYS	NED	2009	1:19.47	DEBORAH BARTON	GBR	2003	1:19.58	JUNKO SATO	JPN	2009
1:07.09	CATHY MERRITT	CAN	2009	1:19.61	SATOKO TAKEUJI	JPN	1997	1:20.39	SUSAN SKIFF	GBR	2009
1:07.57	REGULA STEIGER	SUI	2008	1:19.72	N.STEADMAN-MARTIN	USA	2009	200 M. FLY			
1:07.59	BARBARA DUNBAR	USA	2004	200 M. BACK				2:31.13	LAURA VAL	USA	2008
1:07.96	ROSARIO VIVANCO	PER	2005	2:40.05	LAURA VAL	USA	2008	2:47.18	BARBARA DUNBAR	USA	2004
200 M. FREE				2:43.47	MINDY DOUGHERTY	USA	2009	2:47.89	N.STEADMAN-MARTIN	USA	2009
2:14.45	LAURA VAL	USA	2009	2:44.55	N.STEADMAN-MARTIN	USA	2009	2:53.92	JUDY WILSON	GBR	2001
2:23.28	N.STEADMAN-MARTIN	USA	2009	2:47.09	BENEDICTE DUPREZ	FRA	2006	2:55.05	ARDETH MUELLER	USA	1996
2:23.98	PAT SARGEANT	USA	2008	2:49.73	PAT SARGEANT	USA	2009	2:57.35	PAT SARGEANT	USA	2008
2:24.67	JACKI HIRSTY	USA	2009	2:51.44	EVIE LYNCH	USA	2007	2:57.45	M.NEUMEISTER	GER	2007
2:27.59	BARBARA DUNBAR	USA	2004	2:52.19	BARBARA STUBBE	GER	2009	2:58.57	SUSANA BARKLEY	ESP	2001
2:28.30	ARDETH MUELLER	USA	1996	2:52.72	LINDA HUNT	CAN	2009	2:59.49	M.HILLENBRAND	GER	2009
2:29.54	CONNY BOER-BUIJS	NED	2005	2:53.14	ANNE CORK	GBR	2006	3:00.29	MIRA GUGLIELMI	ITA	2009
2:29.66	CHRISTIE CIRAULO	USA	2009	2:55.63	JANETTE JEFFREY	AUS	2005	100 M. I.M.			
2:29.72	CATHY MERRITT	CAN	2009	50 M. BRST				1:12.90	LAURA VAL	USA	2009
2:30.20	ANNE BOURNE	GBR	2009	38.32	JAN WICKS	AUS	2001	1:15.06	HEATHER CAMPBELL	NZL	2008
400 M. FREE				38.33	REGULA STEIGER	SUI	2009	1:16.55	JACKI HIRSTY	USA	2009
4:42.97	LAURA VAL	USA	2009	38.63	MONIKA SENFTLEBEN	GER	1998	1:17.48	BRIGITTE MERTEN	GER	2002
4:53.27	N.STEADMAN-MARTIN	USA	2009	38.73	YVONNE CATTRALL	CAN	2005	1:17.71	PAT SARGEANT	USA	2008
5:01.53	BARBARA DUNBAR	USA	2004	38.91	PETRA SCHROER	GER	2008	1:18.25	CATHY MERRITT	CAN	2009
5:04.60	JACKI HIRSTY	USA	2008	39.01	BONNIE PRONK	CAN	1998	1:19.02	CAROLYN BOAK	USA	2001
5:05.56	CHRISTIE CIRAULO	USA	2008	39.20	BARBARA HUMMEL	USA	2009	1:19.57	REGULA STEIGER	SUI	2009
5:09.21	LAURA VACA	MEX	2009	39.35	DALE BARNHARD	USA	2003	1:19.78	HARRIET BERGER	GER	2002
5:10.42	SUSAN SKIFF	GBR	2009	39.64	RENATE ZSCHOCKELT	GER	1998	1:19.82	LAURIE SMITH	USA	2009
5:10.80	PAT SARGEANT	USA	2008	39.89	JENNIFER MERRITT	GBR	2006	200 M. I.M.			
5:11.26	ANNE BOURNE	GBR	2009	100 M. BRST				2:36.98	LAURA VAL	USA	2009
5:15.91	ARDETH MUELLER	USA	1996	1:25.18	REGULA STEIGER	SUI	2009	2:46.45	HEATHER CAMPBELL	NZL	2008
800 M. FREE				1:25.63	YVONNE CATTRALL	CAN	2005	2:47.90	PAT SARGEANT	USA	2008
9:51.35	LAURA VAL	USA	2009	1:25.89	ULRIKE URBANIAK	GER	2008	2:50.17	N.STEADMAN-MARTIN	USA	2009
10:17.86	BARBARA DUNBAR	USA	2004	1:25.92	BONNIE PRONK	CAN	1997	2:51.08	BRIGITTE MERTEN	GER	2004
10:20.12	CHRISTIE CIRAULO	USA	2008	1:26.01	JENNIFER MERRITT	GBR	2006	2:52.30	CATHY MERRITT	CAN	2009
10:20.65	N.STEADMAN-MARTIN	USA	2009	1:26.33	DALE BARNHARD	USA	2003	2:52.43	ARDETH MUELLER	USA	1997
10:26.13	LAURA VACA	MEX	2009	1:26.41	PETRA SCHROER	GER	2008	2:53.25	JUNKO SATO	JPN	2009
10:37.89	SUSAN SKIFF	GBR	2009	1:26.70	FRANCES PENWARDEN	GBR	2009	2:53.56	SUSAN HAIGH	GBR	2008
10:49.23	ANNE BOURNE	GBR	2009	1:26.71	CATHERINE KOHN	USA	2009	2:53.61	CATHERINE KOHN	USA	2009
10:49.51	DANIELLE OGIER	USA	2007								



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400 M. I.M.			11:39.07 LINDA SHOENBERGER	USA 2009	1:32.20 ELAINE BROMWICH	GBR 2002
5:39.30 LAURA VAL	USA 2009	11:39.85 ANN CAMPBELL	AUS 2009	1:32.73 ELISABETH REINEKE	GER 2009	
5:47.01 N.STEADMAN-MARTIN	USA 2009	11:48.52 JEN THOMASSON	AUS 2005	200 M. BRST		
6:02.53 PAT SARGEANT	USA 2008	1500 M. FREE		3:06.48 BONNIE PRONK	CAN 2002	
6:04.58 BARBARA DUNBAR	USA 2004	20:46.72 BARBARA DUNBAR	USA 2009	3:07.44 HANNELORE ROSE	GER 2002	
6:05.65 CATHERINE KOHN	USA 2009	21:33.34 JACKIE MARR	USA 2003	3:18.15 DIANE FORD	GBR 2005	
6:09.78 BRIGITTE MERTEN	GER 2002	21:59.83 YOSHIKO OSAKI	JPN 1998	3:18.20 NOBUKO YASUDA	JPN 2005	
6:10.45 CHARLOTTE DAVIS	USA 2007	22:06.71 ANN CAMPBELL	AUS 2009	3:18.25 JOANN LEILICH	USA 2001	
6:11.73 JEN THOMASSON	AUS 1998	22:12.78 LINDA SHOENBERGER	USA 2009	3:20.65 ELAINE BROMWICH	GBR 2003	
6:11.95 FRANCES PENWARDEN	GBR 2009	22:23.62 BARNI WARNHURST	CAN 1988	3:20.83 MASAYO AZUMA	JPN 1998	
6:12.91 ARDETH MUELLER	USA 2000	22:51.13 MARCIA BARRY	USA 2008	3:21.10 MARGARETA RAINER	SWE 2009	
*****		22:54.51 LAVELLE STOINOFF	USA 1994	3:21.22 MONIKA SENFTLEBEN	GER 2002	
*****		22:59.19 BONNIE PRONK	CAN 2003	3:22.80 LUISE KNOPFLE	GER 2001	
*****		23:02.23 JUDY WILSON	GBR 2007	50 M. FLY		
*****		50 M. BACK		33.38 JUDY WILSON	GBR 2004	
*****		36.16 RACHEL BARTON	GBR 2008	34.47 RUTH SHAPS	USA 2008	
*****		36.17 LYNETTE STEVENSON	AUS 2009	34.74 RACHEL BARTON	GBR 2009	
*****		36.38 SATOKO TAKEUJI	JPN 2002	35.03 MICHIE DOI	JPN 2005	
*****		36.42 MARGIT OHLSSON	SWE 2005	35.05 LYNETTE STEVENSON	AUS 2009	
*****		36.81 DIANN UUSTAL	USA 2009	36.00 BRIGITTE MERTEN	GER 2006	
*****		36.92 MARGARET WILDING	GBR 2000	36.00 HARRIET BERGER	GER 2004	
*****		36.99 SILVANA ABREU	BRA 2003	36.04 YOSHIKO OSAKI	JPN 1999	
*****		37.20 TAKAKO NAKAHARA	JPN 2009	36.27 JOY WARD	USA 2002	
*****		37.36 HIROMI SATO	JPN 2004	36.31 JAN WICKS	AUS 2006	
*****		37.71 PENNY STEELE	AUS 2006	100 M. FLY		
*****		100 M. BACK		1:16.41 JUDY WILSON	GBR 2004	
*****		1:20.02 MARGIT OHLSSON	SWE 2006	1:19.38 BARBARA DUNBAR	USA 2009	
*****		1:20.60 RACHEL BARTON	GBR 2008	1:21.22 BRIGITTE MERTEN	GER 2006	
*****		1:21.06 SATOKO TAKEUJI	JPN 2003	1:21.87 HARRIET BERGER	GER 2004	
*****		1:21.74 MARGARET WILDING	GBR 2002	1:23.78 YOSHIKO OSAKI	JPN 1999	
*****		1:22.40 DIANN UUSTAL	USA 2009	1:25.79 CHRISTIE ALTMAN	USA 2009	
*****		1:23.08 LYNETTE STEVENSON	AUS 2009	1:27.62 CHRISTEL SCHULZ	GER 2000	
*****		1:23.58 HIROMI SATO	JPN 2002	1:28.55 SARAH WELCH	USA 2008	
*****		1:23.89 ANKE KLATT	GER 2009	1:28.78 SUSAN TYLER	USA 2008	
*****		1:24.16 BETSY JORDAN	USA 1997	1:28.78 BONNIE PRONK	CAN 2003	
*****		1:24.17 TAKAKO NAKAHARA	JPN 2009	200 M. FLY		
*****		200 M. BACK		3:00.31 BARBARA DUNBAR	USA 2009	
*****		2:56.06 BONNIE PRONK	CAN 2002	3:05.20 YOSHIKO OSAKI	JPN 2000	
*****		2:57.92 MARGARET WILDING	GBR 2000	3:07.04 JUDY WILSON	GBR 2004	
*****		2:58.33 MARGIT OHLSSON	SWE 2007	3:13.71 ARDETH MUELLER	USA 2004	
*****		3:01.08 TAKAKO NAKAHARA	JPN 2009	3:17.45 RITSUKO KUROSAWA	JPN 2009	
*****		3:01.86 JACKIE MARR	USA 2003	3:18.64 SARAH WELCH	USA 2008	
*****		3:02.44 RACHEL BARTON	GBR 2008	3:21.73 JUDIE OLIVER	CAN 1992	
*****		3:02.92 ANKE KLATT	GER 2009	3:23.67 GINGER PIERSON	USA 2006	
*****		3:03.36 YUKI NISHIZAWA	JPN 2009	3:24.16 MARGARET BAKISH	CAN 2009	
*****		3:04.06 JULIE GUNTHORP	NZL 2007	3:24.49 BONNIE PRONK	CAN 2003	
*****		3:04.58 RUTH SHAPS	USA 2008	100 M. I.M.		
*****		50 M. BRST		1:19.09 BRIGITTE MERTEN	GER 2006	
*****		38.60 MONIKA SENFTLEBEN	GER 2002	1:21.05 BONNIE PRONK	CAN 2002	
*****		38.97 BONNIE PRONK	CAN 2002	1:21.20 HARRIET BERGER	GER 2004	
*****		39.77 JAN WICKS	AUS 2006	1:21.51 MARIE FUHRMANN	FRA 2007	
*****		40.24 DALE BARNHARD	USA 2008	1:22.11 RUTH SHAPS	USA 2008	
*****		40.76 YVONNE CATTRALL	CAN 2008	1:22.15 DIANN UUSTAL	USA 2009	
*****		40.98 HANNELORE ROSE	GER 2002	1:22.57 YOSHIKO OSAKI	JPN 2000	
*****		41.08 EMMA ANN DAVIES	GBR 2009	1:22.69 MARGIT OHLSSON	SWE 2007	
*****		41.27 GINGER PIERSON	USA 2006	1:22.92 LYNETTE STEVENSON	AUS 2006	
*****		41.35 JOANN LEILICH	USA 2000	1:23.00 CHRISTEL SCHULZ	GER 2002	
*****		41.35 ELAINE BROMWICH	GBR 2004	200 M. I.M.		
*****		100 M. BRST		2:54.07 CAROLE BATES	GBR 1998	
*****		1:26.43 HANNELORE ROSE	GER 2002	2:55.72 BONNIE PRONK	CAN 2002	
*****		1:26.56 BONNIE PRONK	CAN 2002	2:56.50 BRIGITTE MERTEN	GER 2009	
*****		1:28.79 NOBUKO YASUDA	JPN 2009	2:57.46 HARRIET BERGER	GER 2004	
*****		1:29.68 MONIKA SENFTLEBEN	GER 2002	2:58.28 BARBARA DUNBAR	USA 2009	
*****		1:30.58 JOANN LEILICH	USA 2000	2:59.95 YOSHIKO OSAKI	JPN 1998	
*****		1:30.76 DIANE FORD	GBR 2007	3:03.22 JACKIE MARR	USA 2003	
*****		1:31.01 GINGER PIERSON	USA 2006	3:03.36 MARGIT OHLSSON	SWE 2006	
*****		1:31.46 DALE BARNHARD	USA 2008	3:04.75 SILVANA ABREU	BRA 2002	



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3:04.83	CHRISTEL SCHULZ	GER	2001	12:20.70	JAN CROFT	AUS	2009	1:36.24	SHOKO YONEZAWA	JPN	2001
400 M. I.M.				12:26.85	JANE ASHER	GBR	1999	1:36.45	FLORA CONNOLLY	GBR	1998
6:15.26	BARBARA DUNBAR	USA	2009	12:34.61	BONNIE PRONK	CAN	2007	1:36.52	ELIANE PELLIS	BEL	1998
6:21.36	BRIGITTE MERTEN	GER	2009	12:35.26	CLARA WALKER	USA	1992	1:36.57	YOSHIKO OSAKI	JPN	2003
6:25.24	BONNIE PRONK	CAN	2002	12:36.40	HELGA REICH	GER	2002	200 M. BRST			
6:27.20	JACKIE MARR	USA	2003	1500 M. FREE				3:17.44	JOANN LEILICH	USA	2004
6:27.23	HANNELORE ROSE	GER	2002	21:43.60	JEN THOMASSON	AUS	2008	3:20.83	LUISE KNOPFLE	GER	2004
6:28.22	YOSHIKO OSAKI	JPN	1999	22:09.43	JACKIE MARR	USA	2008	3:21.25	DIANE FORD	GBR	2008
6:41.60	JEN THOMASSON	AUS	2007	22:35.98	YOSHIKO OSAKI	JPN	2004	3:23.72	BONNIE PRONK	CAN	2007
6:48.57	JUDIE OLIVER	CAN	1993	23:38.44	CLARA WALKER	USA	1992	3:24.31	MASAYO AZUMA	JPN	2000
6:50.30	RITSUKO KUROSAWA	JPN	2008	23:44.34	JANE ASHER	GBR	1996	3:26.40	FLORA CONNOLLY	GBR	2000
6:50.30	SUZANNE DILLS	USA	2005	23:54.51	BONNIE PRONK	CAN	2007	3:26.55	YOSHIKO OSAKI	JPN	2004
*****				24:00.15	E.KETELSEN	DEN	2009	3:29.02	LOTTE MULLER	GER	1999
WOMEN 65-69				24:11.37	SILVANA ABREU	BRA	2006	3:29.93	ELIANE PELLIS	BEL	1998
*****				24:12.34	HELGA REICH	GER	2002	3:31.44	TAYO FUJIEDA	JPN	2002
*****				24:15.27	PENNY WEBSTER	GBR	2008	50 M. FLY			
50 M. FREE				50 M. BACK				36.36	CHRISTEL SCHULZ	GER	2005
31.91	HEIDE LORBERG	GER	2004	36.85	CLARY MUNNS	AUS	2009	36.71	MICHIE DOI	JPN	2009
32.25	CHRISTEL SCHULZ	GER	2005	37.47	SILVANA ABREU	BRA	2006	36.79	YOSHIKO OSAKI	JPN	2003
32.40	CLARY MUNNS	AUS	2009	37.63	SATOKO TAKEUJI	JPN	2007	38.06	JOY WARD	USA	2007
32.77	PAM HUTCHINGS	AUS	2002	38.25	PAM HUTCHINGS	AUS	2001	38.09	HISAKO SATO	JPN	2000
33.09	YOSHIKO OSAKI	JPN	2005	39.11	BONNIE PRONK	CAN	2007	38.44	GAIL ROPER	USA	1995
33.48	JEAN HOWARD-JONES	GBR	2008	39.65	HIROMI SATO	JPN	2007	38.46	HAIKE HOLER	GER	2004
33.52	JEN THOMASSON	AUS	2008	40.11	BETSY JORDAN	USA	2003	38.60	CLARY MUNNS	AUS	2009
33.82	IKUKO OKADO	JPN	2008	40.19	E.KETELSEN	DEN	2009	38.72	HARUMI SUGIMOTO	JPN	2003
34.04	OLGA KREJCI	SUI	2002	40.48	DORIS STEADMAN	USA	1989	38.78	SARAH KOPSKY	USA	2006
34.07	BETH SCHREINER	USA	2009	41.05	CHRISTEL SCHULZ	GER	2005	100 M. FLY			
34.07	TOSHIE NODA	JPN	2007	100 M. BACK				1:25.28	YOSHIKO OSAKI	JPN	2003
100 M. FREE				1:22.17	CLARY MUNNS	AUS	2009	1:29.13	CHRISTEL SCHULZ	GER	2006
1:10.97	CHRISTEL SCHULZ	GER	2005	1:25.00	BONNIE PRONK	CAN	2007	1:29.85	CLARY MUNNS	AUS	2009
1:13.48	YOSHIKO OSAKI	JPN	2004	1:25.53	PAM HUTCHINGS	AUS	2001	1:31.92	HELGA REICH	GER	2001
1:14.67	JACKIE MARR	USA	2008	1:25.61	SILVANA ABREU	BRA	2006	1:33.07	CHRISTINE PARFECT	GBR	2004
1:15.26	JEN THOMASSON	AUS	2008	1:26.66	E.KETELSEN	DEN	2008	1:33.10	GAIL ROPER	USA	1995
1:15.29	E.KETELSEN	DEN	2009	1:26.96	BETSY JORDAN	USA	2002	1:33.27	JUDIE OLIVER	CAN	1997
1:15.57	JEAN HOWARD-JONES	GBR	2008	1:28.80	CHRISTEL SCHULZ	GER	2006	1:34.57	MICHIE DOI	JPN	2008
1:16.26	GAIL ROPER	USA	1996	1:28.82	V.JOHANSSON	SWE	2001	1:34.83	HAIKE HOLER	GER	2002
1:17.02	PAM HUTCHINGS	AUS	2001	1:28.94	NORIKO YOSHIDA	JPN	2009	1:34.93	HISAKO SATO	JPN	2001
1:17.08	JANE ASHER	GBR	1997	1:30.41	DORIS STEADMAN	USA	1989	200 M. FLY			
1:18.14	IKUKO OKADO	JPN	2008	200 M. BACK				3:17.36	YOSHIKO OSAKI	JPN	2003
200 M. FREE				3:01.88	BONNIE PRONK	CAN	2007	3:28.93	HELGA REICH	GER	2002
2:42.05	YOSHIKO OSAKI	JPN	2004	3:08.01	CLARY MUNNS	AUS	2009	3:29.98	SILVANA ABREU	BRA	2006
2:42.08	JACKIE MARR	USA	2008	3:08.42	CHRISTEL SCHULZ	GER	2006	3:31.98	FLORA CONNOLLY	GBR	1999
2:44.02	CHRISTEL SCHULZ	GER	2005	3:08.61	PAM HUTCHINGS	AUS	2001	3:32.93	JUNE KRAUSER	USA	1995
2:45.09	JEN THOMASSON	AUS	2008	3:09.52	NORIKO YOSHIDA	JPN	2009	3:33.38	JUDIE OLIVER	CAN	1997
2:47.42	PAM HUTCHINGS	AUS	2002	3:11.23	JACKIE MARR	USA	2008	3:34.14	JACKIE MARR	USA	2008
2:50.36	E.KETELSEN	DEN	2008	3:11.32	E.KETELSEN	DEN	2008	3:35.80	GAIL ROPER	USA	1995
2:50.40	JANE ASHER	GBR	1997	3:12.09	SILVANA ABREU	BRA	2006	3:36.13	DANIELA BARNEA	USA	2009
2:53.83	SILVANA ABREU	BRA	2006	3:14.13	JOY WARD	USA	2008	3:38.27	BONNIE PRONK	CAN	2007
2:54.15	GAIL ROPER	USA	1996	3:15.36	BETSY JORDAN	USA	2002	100 M. I.M.			
2:55.17	HANNELORE ROSE	GER	2007	50 M. BRST				1:22.53	CLARY MUNNS	AUS	2009
400 M. FREE				41.40	BONNIE PRONK	CAN	2009	1:24.95	YOSHIKO OSAKI	JPN	2005
5:44.29	JACKIE MARR	USA	2008	41.53	MONIKA SENFTLEBEN	GER	2008	1:25.00	CHRISTEL SCHULZ	GER	2005
5:46.94	YOSHIKO OSAKI	JPN	2003	42.35	JOANN LEILICH	USA	2005	1:27.69	BONNIE PRONK	CAN	2007
5:53.92	JEN THOMASSON	AUS	2008	42.46	DIANE FORD	GBR	2009	1:28.01	JEN THOMASSON	AUS	2009
5:56.24	CHRISTEL SCHULZ	GER	2006	43.07	SHOKO YONEZAWA	JPN	2002	1:28.09	JACKIE MARR	USA	2008
5:59.10	LAVELLE STOINOFF	USA	2002	43.27	ELIANE PELLIS	BEL	1998	1:28.61	SHOKO YONEZAWA	JPN	2001
6:00.99	JANE ASHER	GBR	1996	43.83	ROTRAUD PALMER	GBR	2006	1:28.95	GAIL ROPER	USA	1996
6:01.13	HANNELORE ROSE	GER	2007	43.87	A.LEENE-RODAHL	NZL	1999	1:29.34	SILVANA ABREU	BRA	2006
6:01.13	V.JOHANSSON	SWE	2001	44.13	YOSHIKO OSAKI	JPN	2003	1:29.75	JEAN HOWARD-JONES	GBR	2009
6:02.93	HELGA REICH	GER	2001	44.55	JAYNE BRUNER	USA	2000	200 M. I.M.			
6:09.48	BONNIE PRONK	CAN	2007	100 M. BRST				3:04.75	CLARY MUNNS	AUS	2009
800 M. FREE				1:31.87	BONNIE PRONK	CAN	2007	3:06.37	YOSHIKO OSAKI	JPN	2004
11:24.13	JEN THOMASSON	AUS	2008	1:32.05	DIANE FORD	GBR	2008	3:06.64	CHRISTEL SCHULZ	GER	2008
11:40.70	JACKIE MARR	USA	2008	1:32.37	JOANN LEILICH	USA	2004	3:10.11	HANNELORE ROSE	GER	2007
11:49.70	YOSHIKO OSAKI	JPN	2003	1:33.03	HANNELORE ROSE	GER	2007	3:10.12	BONNIE PRONK	CAN	2007
12:15.14	HANNELORE ROSE	GER	2008	1:33.89	LUISE KNOPFLE	GER	2004	3:13.20	JACKIE MARR	USA	2008
12:20.68	LAVELLE STOINOFF	USA	2002	1:34.50	MASAYO AZUMA	JPN	2000	3:15.59	FLORA CONNOLLY	GBR	2000



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3:16.27	JEN THOMASSON	AUS	2009	13:23.18	HISAKO SATO	JPN	2006	1:41.98	KUMIE TOKUDA	JPN	2008
3:18.77	CLARA WALKER	USA	1991	13:30.87	NANCY BROWN	USA	2006	1:42.21	MARGIT JEBE	USA	2008
3:19.06	GAIL ROPER	USA	1996	13:33.96	LINDA MACPHERSON	CAN	2008	1:42.61	ELIANE PELLIS	BEL	2006
400 M. I.M.				13:35.09	DIANE STOWELL	USA	2005	1:42.62	EDITH BOEHM	GER	1999
6:34.95	YOSHIKO OSAKI	JPN	2003	13:39.97	TAYO FUJIEDA	JPN	2007	1:43.67	YUKO SAKAGAMI	JPN	2007
6:45.14	CLARY MUNNS	AUS	2009	13:45.16	RONNIE KAMPHAUSEN	USA	2008	200 M. BRST			
6:45.94	JACKIE MARR	USA	2008	1500 M. FREE				3:25.76	JOANN LEILICH	USA	2009
6:49.48	BONNIE PRONK	CAN	2007	23:54.74	JANE ASHER	GBR	2004	3:28.98	MASAYO AZUMA	JPN	2005
6:51.93	HANNELORE ROSE	GER	2008	24:56.47	BARBARA FENTIMAN	GBR	2004	3:30.16	SHOKO YONEZAWA	JPN	2005
6:57.58	FLORA CONNOLLY	GBR	2000	24:57.85	JUNE KRAUSER	USA	1996	3:33.22	LUISE KNOPFLE	GER	2009
7:01.55	JUDIE OLIVER	CAN	1999	25:14.99	HELGA REICH	GER	2006	3:40.16	TAYO FUJIEDA	JPN	2007
7:05.86	DANIELA BARNEA	USA	2009	25:19.73	REIKO ISHIZAKI	JPN	2009	3:43.02	DIANE STOWELL	USA	2005
7:07.28	SILVANA ABREU	BRA	2006	25:40.21	GAIL ROPER	USA	1999	3:44.03	JUDIE OLIVER	CAN	2002
7:07.69	GAIL ROPER	USA	1996	26:05.82	NANCY BROWN	USA	2006	3:44.57	ELIANE PELLIS	BEL	2004
*****				26:18.70	PETEY SMITH	USA	1994	3:45.66	ANN HIRSCH	USA	2001
*****				26:20.80	MISAO MATSUMOTO	JPN	2008	3:48.92	ERIKA LANGE	GER	1998
*****				26:32.02	CHISATO MIYAWAKI	JPN	2009	50 M. FLY			
*****				50 M. BACK				37.96	YOSHIKO OSAKI	JPN	2009
50 M. FREE				40.49	MARGARET WILDING	GBR	2009	39.36	HARUMI SUGIMOTO	JPN	2008
33.36	YOSHIKO OSAKI	JPN	2009	40.61	PAM HUTCHINGS	AUS	2008	39.44	JANE ASHER	GBR	2004
33.86	JANE ASHER	GBR	2004	40.97	YOSHIKO OSAKI	JPN	2009	40.39	HISAKO KITAYAMA	JPN	2009
35.14	GERD DURRE	GER	2006	41.23	SHOKO YONEZAWA	JPN	2005	40.56	HISAKO SATO	JPN	2006
35.28	PAM HUTCHINGS	AUS	2008	41.45	GERD DURRE	GER	2006	40.58	HAIKE HOLER	GER	2006
35.37	GAIL ROPER	USA	1999	41.70	BETSY JORDAN	USA	2007	40.66	GAIL ROPER	USA	1999
35.54	GYNT CLIFFORD	USA	2009	42.58	DORIS STEADMAN	USA	1995	41.16	HELGA REICH	GER	2006
35.60	FUSAKO HIROOKA	JPN	2007	42.85	V. JOHANSSON	SWE	2005	42.47	JUDIE OLIVER	CAN	2002
36.13	OLGA KREJCI	SUI	2007	42.86	GRETHE BENDTSEN	DEN	2000	43.02	GABRIELLA TUCCI	ITA	2008
36.28	HISAKO KITAYAMA	JPN	2009	43.15	JANE ASHER	GBR	2001	100 M. FLY			
36.34	HISAKO SATO	JPN	2006	100 M. BACK				1:28.55	YOSHIKO OSAKI	JPN	2009
100 M. FREE				1:29.93	BETSY JORDAN	USA	2007	1:34.70	JANE ASHER	GBR	2001
1:12.97	YOSHIKO OSAKI	JPN	2009	1:31.24	SHOKO YONEZAWA	JPN	2005	1:34.86	HELGA REICH	GER	2006
1:16.45	JANE ASHER	GBR	2004	1:31.31	V. JOHANSSON	SWE	2005	1:37.56	GAIL ROPER	USA	1999
1:18.67	GAIL ROPER	USA	1999	1:33.27	YOSHIKO OSAKI	JPN	2009	1:38.39	HAIKE HOLER	GER	2006
1:20.29	PAM HUTCHINGS	AUS	2008	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	1:34.59	PAM HUTCHINGS	AUS	2008	1:40.20	JUNE KRAUSER	USA	1996
1:22.99	LOTTIE GEURTS	NED	2006	1:35.27	JANE ASHER	GBR	2001	1:44.44	MARCELA STASTNA	CZE	2009
1:23.35	SHOKO YONEZAWA	JPN	2006	1:35.66	DORIS STEADMAN	USA	1995	1:45.97	GYNT CLIFFORD	USA	2009
1:23.56	NANCY BROWN	USA	2006	1:36.33	MISAO MATSUMOTO	JPN	2007	200 M. FLY			
1:23.98	HISAKO SATO	JPN	2006	200 M. BACK				3:34.59	YOSHIKO OSAKI	JPN	2009
200 M. FREE				3:18.61	V. JOHANSSON	SWE	2005	3:37.23	HELGA REICH	GER	2006
2:44.70	YOSHIKO OSAKI	JPN	2008	3:20.96	JANE ASHER	GBR	2001	3:38.39	JUNE KRAUSER	USA	1996
2:49.28	JANE ASHER	GBR	2003	3:24.21	YOSHIKO OSAKI	JPN	2009	3:44.96	JANE ASHER	GBR	2001
2:55.57	HELGA REICH	GER	2007	3:25.04	NANCY BROWN	USA	2006	3:45.64	GAIL ROPER	USA	1999
2:58.06	GAIL ROPER	USA	2000	3:25.71	PAM HUTCHINGS	AUS	2008	3:55.59	JUDIE OLIVER	CAN	2004
3:00.93	NANCY BROWN	USA	2006	3:27.79	DORIS STEADMAN	USA	1995	3:58.01	BETTY RUSS	USA	1997
3:01.93	PAM HUTCHINGS	AUS	2008	3:29.29	JUDIE OLIVER	CAN	2002	4:03.04	SYLVIA EISELE	CAN	2000
3:01.98	MAREN PISKORA	GER	2007	3:31.10	BETSY JORDAN	USA	2007	4:03.47	HISAKO SATO	JPN	2006
3:04.22	LINDA MACPHERSON	CAN	2008	3:31.87	HARUMI SUGIMOTO	JPN	2008	4:03.71	ENEDINA PEREIRA	BRA	2008
3:04.77	JEAN TROY	USA	1998	3:32.48	MISAO MATSUMOTO	JPN	2008	100 M. I.M.			
3:05.96	MARIA PENNA	BRA	2009	50 M. BRST				1:24.88	YOSHIKO OSAKI	JPN	2009
400 M. FREE				42.80	SHOKO YONEZAWA	JPN	2005	1:27.80	SHOKO YONEZAWA	JPN	2005
5:50.41	YOSHIKO OSAKI	JPN	2008	44.32	JOANN LEILICH	USA	2009	1:32.23	GAIL ROPER	USA	2000
6:00.34	JANE ASHER	GBR	2003	44.74	KAZUKO KAJIWARA	JPN	2009	1:33.49	JANE ASHER	GBR	2003
6:19.80	HELGA REICH	GER	2006	45.08	EDITH BOEHM	GER	1999	1:34.10	JUDIE OLIVER	CAN	2002
6:24.11	BARBARA FENTIMAN	GBR	2004	45.55	MASAYO AZUMA	JPN	2005	1:35.21	HELGA REICH	GER	2006
6:26.99	MARIA PENNA	BRA	2009	45.56	ERIKA LANGE	GER	1998	1:35.57	TAYO FUJIEDA	JPN	2009
6:27.21	GAIL ROPER	USA	1999	45.63	MARGIT JEBE	USA	2008	1:36.29	V. ANN JOHANSSON	SWE	2006
6:28.81	JUNE KRAUSER	USA	1996	45.67	YOSHIKO OSAKI	JPN	2009	1:37.81	NANCY MACBETH	USA	1999
6:29.70	HISAKO SATO	JPN	2006	45.81	MURIEL HITCHCOCK	GBR	2009	1:38.32	BETSY JORDAN	USA	2007
6:30.94	NANCY BROWN	USA	2006	45.94	TAYO FUJIEDA	JPN	2009	200 M. I.M.			
6:31.30	LINDA MACPHERSON	CAN	2008	100 M. BRST				3:11.14	YOSHIKO OSAKI	JPN	2009
800 M. FREE				1:35.58	SHOKO YONEZAWA	JPN	2005	3:21.52	JUDIE OLIVER	CAN	2002
12:30.00	JANE ASHER	GBR	2004	1:36.94	MASAYO AZUMA	JPN	2005	3:24.64	JANE ASHER	GBR	2001
13:00.04	BARBARA FENTIMAN	GBR	2004	1:37.11	LUISE KNOPFLE	GER	2009	3:25.28	HELGA REICH	GER	2006
13:03.64	HELGA REICH	GER	2006	1:37.20	JOANN LEILICH	USA	2009	3:26.44	SHOKO YONEZAWA	JPN	2006
13:07.28	JUNE KRAUSER	USA	1996	1:41.38	TAYO FUJIEDA	JPN	2007	3:30.92	GAIL ROPER	USA	1999



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3:31.29 JUNE KRAUSER	USA 1999	14:12.12 GAIL ROPER	USA 2005	1:48.28 SATOKO SUZUKI	JPN 1998
3:32.12 V. JOHANSSON	SWE 2005	14:21.26 MICHIKO OKUMURA	JPN 2006	1:49.85 JANE ASHER	GBR 2006
3:32.90 BETSY JORDAN	USA 2007	14:29.27 LIZ WALLIS	AUS 2002	1:50.24 ANN HIRSCH	USA 2008
3:33.45 NANCY BROWN	USA 2006	14:30.66 BRITT GRILLI	SWE 2003	1:51.99 EDITH BOHM	GER 2003
400 M. I.M.		14:32.87 RONNIE KAMPHAUSEN	USA 2009	1:52.35 GAIL ROPER	USA 2004
6:56.79 YOSHIKO OSAKI	JPN 2008	14:40.11 JUNE KRAUSER	USA 2001	1:55.77 JUDIE OLIVER	CAN 2008
7:09.96 JANE ASHER	GBR 2001	14:46.26 MARGERY MEYER	USA 1998	1:56.46 JEAN JOHNSON	AUS 2007
7:19.12 JUDIE OLIVER	CAN 2002	14:58.84 DOROTHY DICKEY	AUS 2007	200 M. BRST	
7:24.32 JUNE KRAUSER	USA 1996	1500 M. FREE		3:47.58 ELIANE PELLIS	BEL 2008
7:34.98 URSULA FROHLICH	GER 2005	24:04.75 JANE ASHER	GBR 2006	3:49.39 A.VAN OBERGHEN	BEL 2008
7:36.99 GAIL ROPER	USA 1999	26:37.02 GAIL ROPER	USA 2005	3:54.55 SYLVIA NEUHAUSER	AUT 2004
7:47.33 BETSY JORDAN	USA 2007	27:14.94 MICHIKO OKUMURA	JPN 2006	3:56.11 JANE ASHER	GBR 2006
7:47.34 NANCY BROWN	USA 2006	27:33.16 LIZ WALLIS	AUS 2002	3:56.51 ANN HIRSCH	USA 2004
7:48.97 NANCY MACBETH	USA 1999	27:39.46 JUNE KRAUSER	USA 2001	4:00.34 JUDIE OLIVER	CAN 2008
7:52.30 SYLVIA NEUHAUSER	AUT 2000	27:47.25 MARGERY MEYER	USA 1998	4:03.79 GAIL ROPER	USA 2004
		28:18.44 YOSHIKO KINOSHITA	JPN 2006	4:10.22 SYLVIA EISELE	CAN 2004
*****		28:40.95 BETTY LORENZI	USA 2002	4:14.09 CAROL TAYLOR	USA 2004
WOMEN 75-79		28:49.58 DOROTHY DICKEY	AUS 2008	4:14.86 ERIKA LANGE	GER 2003
*****		29:04.36 RONNIE KAMPHAUSEN	USA 2009	50 M. FLY	
50 M. FREE		50 M. BACK		40.71 JANE ASHER	GBR 2006
35.88 JANE ASHER	GBR 2006	43.19 MARLENE MENDES	BRA 2008	44.18 GAIL ROPER	USA 2004
37.24 GAIL ROPER	USA 2004	43.50 JANE ASHER	GBR 2006	44.53 JUDIE OLIVER	CAN 2007
38.85 M. CUNNINGHAM	AUS 2002	44.76 DORIS STEADMAN	USA 1999	47.88 LOIS NOCHMAN	USA 1999
38.89 JEAN TROY	USA 2002	45.28 JOAN PARNELL	CAN 2004	48.69 MICHIKO OKUMURA	JPN 2007
39.06 KERSTIN GJORES	SWE 2002	46.03 GRETHE BENDTSEN	DEN 2006	48.70 JEAN TROY	USA 2002
39.70 ELIANE PELLIS	BEL 2008	46.26 KERSTIN GJORES	SWE 2002	49.26 SYLVIA NEUHAUSER	AUT 2004
39.73 OLGA JOHNSON	NZL 1996	46.75 WILLY VAN RYSEL	GBR 1991	49.38 M. CUNNINGHAM	AUS 2000
39.84 BETTY RUSS	USA 2004	47.64 MARIANNE GRANE	SWE 2009	49.61 EDITH BOHM	GER 2003
39.92 BRITT GRILLI	SWE 2003	47.69 DORIS MCEWAN	CAN 1999	49.95 JUNE KRAUSER	USA 2001
39.96 MITSUKO KOMURO	JPN 2008	48.19 BETTY LORENZI	USA 2003	100 M. FLY	
39.96 FLORENCE CARR	USA 2001	100 M. BACK		1:44.35 JUDIE OLIVER	CAN 2007
100 M. FREE		1:34.38 ELIANE PELLIS	BEL 2009	1:45.10 JANE ASHER	GBR 2006
1:18.59 JANE ASHER	GBR 2006	1:37.87 JANE ASHER	GBR 2006	1:49.36 GAIL ROPER	USA 2005
1:24.31 GAIL ROPER	USA 2005	1:39.76 DORIS STEADMAN	USA 2000	1:50.11 SYLVIA NEUHAUSER	AUT 2005
1:26.20 JEAN TROY	USA 2002	1:41.65 GRETHE BENDTSEN	DEN 2006	1:52.25 JUNE KRAUSER	USA 2001
1:28.49 M. CUNNINGHAM	AUS 2000	1:41.86 MARLENE MENDES	BRA 2008	1:56.17 JOAN ALEXANDER	USA 2009
1:30.54 FLORENCE CARR	USA 2001	1:43.27 JUDIE OLIVER	CAN 2009	1:56.42 LOIS NOCHMAN	USA 1999
1:30.85 MITSUKO KOMURO	JPN 2005	1:43.73 JOAN PARNELL	CAN 2003	1:58.42 JEAN TROY	USA 2002
1:30.99 ELIANE PELLIS	BEL 2008	1:44.17 BETTY LORENZI	USA 2003	2:00.46 ANN HIRSCH	USA 2006
1:31.14 BRITT GRILLI	SWE 2003	1:45.15 KERSTIN GJORES	SWE 2002	2:01.80 CHIE TANI	JPN 2002
1:31.69 JUDIE OLIVER	CAN 2009	1:46.88 KIMIKO OOKA	JPN 2004	200 M. FLY	
1:32.49 JOAN PARNELL	CAN 2004	200 M. BACK		4:00.46 JUDIE OLIVER	CAN 2007
200 M. FREE		3:32.59 JANE ASHER	GBR 2006	4:06.06 JANE ASHER	GBR 2006
2:57.19 JANE ASHER	GBR 2006	3:38.25 DORIS STEADMAN	USA 1999	4:08.39 LOIS KIVI NOCHMAN	USA 1999
3:07.58 GAIL ROPER	USA 2005	3:40.06 BETTY LORENZI	USA 2003	4:09.28 GAIL ROPER	USA 2004
3:11.99 JEAN TROY	USA 2002	3:41.22 JUDIE OLIVER	CAN 2009	4:12.50 JUNE KRAUSER	USA 2001
3:15.76 JUDIE OLIVER	CAN 2007	3:44.40 MARLENE MENDES	BRA 2008	4:33.31 BETTY RUSS	USA 2004
3:21.48 M. CUNNINGHAM	AUS 2001	3:46.88 JOAN PARNELL	CAN 2003	4:33.81 SYLVIA EISELE	CAN 2004
3:22.38 MICHIKO OKUMURA	JPN 2007	3:48.62 KIMIKO OOKA	JPN 2004	4:39.22 ANN HIRSCH	USA 2006
3:23.10 JUNE KRAUSER	USA 2001	3:51.10 JUNE KRAUSER	USA 2001	4:48.50 MAXINE MERLINO	USA 1988
3:23.37 MITSUKO KOMURO	JPN 2006	3:51.89 NANCY KINNEY	USA 2004	4:53.26 LILLY KRON	USA 2009
3:23.69 LIZ WALLIS	AUS 2002	3:56.02 SYLVIA NEUHAUSER	AUT 2005	100 M. I.M.	
3:23.93 MARLENE MENDES	BRA 2008	50 M. BRST		1:32.92 JANE ASHER	GBR 2006
400 M. FREE		46.86 ELIANE PELLIS	BEL 2008	1:38.11 GAIL ROPER	USA 2004
6:09.40 JANE ASHER	GBR 2006	46.94 A.VAN OBERGHEN	BEL 2008	1:38.73 JUDIE OLIVER	CAN 2007
6:44.09 JEAN TROY	USA 2002	47.15 EDITH BOHM	GER 2003	1:45.44 SYLVIA NEUHAUSER	AUT 2004
6:54.68 GAIL ROPER	USA 2004	49.57 SATOKO SUZUKI	JPN 1998	1:46.18 M. CUNNINGHAM	AUS 2000
6:57.33 LIZ WALLIS	AUS 2002	50.34 SYLVIA EISELE	CAN 2006	1:46.45 MICHIKO OKUMURA	JPN 2006
7:00.56 JUNE KRAUSER	USA 2001	50.37 TSUNEO MITA	JPN 1998	1:46.51 JUNE KRAUSER	USA 2001
7:01.36 MARGERY MEYER	USA 1998	50.38 MARIA CARVALHO	BRA 2004	1:46.72 JEAN TROY	USA 2002
7:06.73 MICHIKO OKUMURA	JPN 2007	50.57 SYLVIA NEUHAUSER	AUT 2004	1:47.56 DORIS MCEWAN	CAN 1999
7:06.75 BRITT GRILLI	SWE 2003	50.65 I.KEUSCH-RENNER	GER 2009	1:47.88 ELIANE PELLIS	BEL 2008
7:11.95 RONNIE KAMPHAUSEN	USA 2009	50.80 JANE ASHER	GBR 2006	200 M. I.M.	
7:13.46 JEAN KITSON	GBR 2009	100 M. BRST		3:31.20 JANE ASHER	GBR 2006
800 M. FREE		1:43.34 ELIANE PELLIS	BEL 2008	3:35.06 JUDIE OLIVER	CAN 2007
12:42.75 JANE ASHER	GBR 2006	1:44.01 A.VAN OBERGHEN	BEL 2008	3:37.24 GAIL ROPER	USA 2005
13:59.01 JEAN TROY	USA 2002	1:47.80 SYLVIA NEUHAUSER	AUT 2004	3:43.58 JUNE KRAUSER	USA 2001



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3:49.91	JEAN TROY	USA	2002	15:30.51	MARGERY MEYER	USA	2005	2:04.65	SYLVIA EISELE	CAN	2009
3:53.51	MICHIKO OKUMURA	JPN	2006	15:49.21	RITA SIMONTON	USA	1998	2:06.51	NANETTE BOHL	USA	2009
3:57.06	ANN HIRSCH	USA	2008	16:04.77	VIRGINIA KETELEER	BEL	2006	2:06.59	EMMI PAULI	GER	1993
3:59.81	ELIANE PELLIS	BEL	2009	16:18.58	MARJORIE SHARPE	USA	1997	2:07.67	EIKO MORI	JPN	2007
4:01.38	GRETHE BENDTSEN	DEN	2006	16:51.32	CANDIDA GANDOLPHO	BRA	2001	2:08.23	GERTRUD MEERWALD	GER	2000
4:01.80	MITSUKO KOMURO	JPN	2007	17:00.71	LOIS KIVI NOCHMAN	USA	2005	2:08.81	ERIKA LANGE	GER	2008
400 M. I.M.				17:07.13	LIZ WALLIS	AUS	2007	2:09.10	TERUKO ONO	JPN	2008
7:34.39	JANE ASHER	GBR	2006	17:13.96	ELSA DE LEEUW	CAN	2005	2:09.75	DOROTHY WILLIAMS	GBR	2003
7:39.96	JUDIE OLIVER	CAN	2007	17:22.52	BETTY RUSS	USA	2007	200 M. BRST			
7:52.71	JUNE KRAUSER	USA	2001	1500 M. FREE				4:29.24	EIKO MORI	JPN	2007
8:05.23	GAIL ROPER	USA	2006	28:55.09	JEAN TROY	USA	2007	4:31.25	SYLVIA EISELE	CAN	2009
8:27.31	ANN HIRSCH	USA	2008	29:39.08	MARGERY MEYER	USA	2002	4:36.67	NANETTE BOHL	USA	2009
8:30.82	LOIS NOCHMAN	USA	1999	29:48.75	RITA SIMONTON	USA	1998	4:38.57	DOROTHY WILLIAMS	GBR	2003
8:30.87	JEAN TROY	USA	2002	30:32.06	VIRGINIA KETELEER	BEL	2005	4:47.03	JOAN KIDD	GBR	2007
8:38.09	SYLVIA EISELE	CAN	2004	30:59.09	MARJORIE SHARPE	USA	1997	4:49.62	RITA SIMONTON	USA	1998
8:38.74	KIMIKO OOKA	JPN	2004	31:45.05	LOIS KIVI NOCHMAN	USA	2004	4:51.88	ERIKA LANGE	GER	2008
8:48.88	BETTY RUSS	USA	2003	32:47.75	ELSA DE LEEUW	CAN	2007	4:52.62	ETSUKO KIMURA	JPN	2009
*****				32:59.62	BETTY RUSS	USA	2007	4:53.38	MICHIKO HAMURO	JPN	1999
*****				33:55.61	FUMI MURATA	JPN	2004	4:53.77	BARBARA VICKERS	AUS	2006
*****				34:06.51	JEAN DURSTON	USA	1995	50 M. FLY			
*****				50 M. BACK				48.85	GAIL ROPER	USA	2009
*****				48.82	KERSTIN GJORES	SWE	2007	55.65	LOIS KIVI NOCHMAN	USA	2004
*****				49.02	JOAN PARNELL	CAN	2008	56.51	CHIE TANI	JPN	2006
*****				50.03	MARGERY MEYER	USA	2002	57.97	NANCY KINNEY	USA	2009
*****				50.73	NANCY KINNEY	USA	2009	58.13	SYLVIA EISELE	CAN	2009
*****				51.19	ANNELIESE POKER	GER	2001	58.20	JEAN TROY	USA	2008
*****				51.55	BETTY LORENZI	USA	2007	1:00.43	Y.KAPLAN BADER	FRA	2009
*****				51.95	CLARA WALKER	USA	2008	1:01.05	Y.KAPLAN-BADER	FRA	2008
*****				52.13	BETTY STERN	AUS	2001	1:01.24	GERTRUD MEERWALD	GER	2000
*****				52.24	DORIS STEADMAN	USA	2004	1:02.58	MARIA LENK	BRA	1995
*****				53.00	MYRTLE WRIGHT	AUS	1989	100 M. FLY			
*****				100 M. BACK				1:58.02	GAIL ROPER	USA	2009
*****				1:49.83	JOAN PARNELL	CAN	2008	2:02.63	LOIS KIVI NOCHMAN	USA	2004
*****				1:50.61	BETTY LORENZI	USA	2007	2:14.51	CHIE TANI	JPN	2007
*****				1:52.72	KERSTIN GJORES	SWE	2007	2:16.00	Y.KAPLAN-BADER	FRA	2008
*****				1:53.51	KIMIKO OOKA	JPN	2009	2:17.23	SYLVIA EISELE	CAN	2009
*****				1:55.79	MARGERY MEYER	USA	2002	2:19.85	JEAN TROY	USA	2008
*****				1:56.78	NANCY KINNEY	USA	2009	2:22.05	GERTRUD MEERWALD	GER	2000
*****				1:57.07	DORIS STEADMAN	USA	2004	2:22.88	BETTY RUSS	USA	2008
*****				1:57.77	BUNNY CEDERLUND	USA	2004	2:28.34	JEAN DURSTON	USA	1994
*****				1:58.72	MIDORI KINJO	JPN	2004	2:30.84	MAXINE MERLINO	USA	1992
*****				2:00.10	RUZENA VYMAZALOVA	CZE	2006	200 M. FLY			
*****				200 M. BACK				4:31.97	LOIS KIVI NOCHMAN	USA	2005
*****				3:59.15	NANCY KINNEY	USA	2009	4:54.54	BETTY RUSS	USA	2008
*****				4:07.13	BETTY LORENZI	USA	2007	5:22.65	MAXINE O MERLINO	USA	1992
*****				4:08.87	JOAN PARNELL	CAN	2008	5:24.06	JAE HOWELL	USA	2002
*****				4:09.07	DORIS STEADMAN	USA	2004	5:27.00	JEAN DURSTON	USA	1997
*****				4:14.53	MARGERY MEYER	USA	2003	5:39.29	DOROTHY WESTON	GBR	1996
*****				4:21.27	SILVIA CRAVERI	ITA	2003	6:01.96	NANCY DURSTEIN	USA	2009
*****				4:23.30	BUNNY CEDERLUND	USA	2003	6:04.35	JUNE REYNOLDS	USA	2003
*****				4:24.78	BETTY STERN	AUS	2002	6:07.74	EDIE GRUENDER	USA	2008
*****				4:25.09	KAZUKO TAGUCHI	JPN	2006	6:10.87	GLADYS OLSEN	USA	2006
*****				4:26.52	REGAN KENNER	USA	2004	100 M. I.M.			
*****				50 M. BRST				1:44.95	GAIL ROPER	USA	2009
*****				50.48	SATOKO SUZUKI	JPN	2003	1:56.27	JOAN PARNELL	CAN	2008
*****				51.34	EDITH BOHM	GER	2008	1:56.65	JEAN TROY	USA	2007
*****				54.63	JOAN PARNELL	CAN	2008	1:57.93	NANCY KINNEY	USA	2009
*****				55.13	SYLVIA EISELE	CAN	2009	1:59.06	M. CUNNINGHAM	AUS	2005
*****				55.81	MICHELE GUILLAIS	FRA	2001	2:00.15	CHIE TANI	JPN	2006
*****				55.94	NANETTE BOHL	USA	2009	2:01.38	NANETTE BOHL	USA	2009
*****				56.09	SAYOKO WATANABE	JPN	2007	2:02.01	MARGERY MEYER	USA	2003
*****				56.36	SHIZUE TOYAMA	JPN	2004	2:02.30	DORIS MCEWAN	CAN	2004
*****				56.87	ERIKA LANGE	GER	2008	2:02.67	LOIS KIVI NOCHMAN	USA	2004
*****				57.11	KIMIE KANAI	JPN	2004	200 M. I.M.			
*****				100 M. BRST				3:55.51	GAIL ROPER	USA	2009
*****				1:54.30	SATOKO SUZUKI	JPN	2003	4:07.66	JEAN TROY	USA	2007
*****				2:03.93	SAYOKO WATANABE	JPN	2007	4:22.00	SYLVIA EISELE	CAN	2009



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4:22.29	LOIS KIVI NOCHMAN	USA	2005	16:49.43	RITA SIMONTON	USA	2003	2:26.71	DOROTHY WILLIAMS	GBR	2008
4:22.97	CHIE TANI	JPN	2006	18:02.38	MAURINE KORNFELD	USA	2007	2:28.12	LIS KNUTZEN	DEN	2006
4:36.03	M. CUNNINGHAM	AUS	2005	18:14.96	ELSA DE LEEUW	CAN	2009	2:29.90	MARIA LENK	BRA	2000
4:38.24	MARGERY MEYER	USA	2002	19:13.43	LOIS KIVI NOCHMAN	USA	2009	2:31.34	KALIS RASMUSSEN	CAN	2009
4:40.77	MARIA LENK	BRA	1995	19:41.58	MAXINE MERLINO	USA	1998	2:33.87	EMMI PAULI	GER	1998
4:44.14	ELSA DE LEEUW	CAN	2004	20:28.81	MARJORIE SHARPE	USA	2003	2:35.43	ELSA DE LEEUW	CAN	2009
4:44.91	Y.KAPLAN BADER	FRA	2009	20:31.49	WILLY VAN RYSEL	GBR	2001	2:36.99	INGEBORG FRITZE	GER	2007
400 M. I.M.				20:47.07	KALIS RASMUSSEN	CAN	2009	2:37.44	FUSAKO TOMINARI	JPN	2002
8:39.68	GAIL ROPER	USA	2009	20:47.25	BETTY BRUSSEL	CAN	2009	2:37.57	MICHIKO HAMURO	JPN	2004
9:30.65	JEAN TROY	USA	2007	21:02.41	MARIA LENK	BRA	2001	200 M. BRST			
9:31.73	LOIS KIVI NOCHMAN	USA	2004	1500 M. FREE				5:09.65	DOROTHY WILLIAMS	GBR	2008
9:37.55	BETTY RUSS	USA	2008	31:44.50	RITA SIMONTON	USA	2003	5:29.71	ELSA DE LEEUW	CAN	2009
9:42.82	SYLVIA EISELE	CAN	2009	33:03.30	MARGERY MEYER	USA	2007	5:33.41	MICHIKO HAMURO	JPN	2004
9:50.43	MAXINE MERLINO	USA	1992	36:38.30	LOIS KIVI NOCHMAN	USA	2009	5:39.33	MARIA LENK	BRA	2000
10:09.01	JEAN DURSTON	USA	1994	37:28.53	MAXINE MERLINO	USA	1998	5:45.85	LIS KNUTZEN	DEN	2007
10:22.74	NANCY DURSTEIN	USA	2009	39:25.76	WILLY VAN RYSEL	GBR	2001	5:46.07	MARIANNA BERKLEY	USA	2007
10:56.37	JAE HOWELL	USA	2003	40:39.66	KALIS RASMUSSEN	CAN	2009	5:48.49	KALIS RASMUSSEN	CAN	2009
11:05.81	KAY SCHIMPF	USA	1997	41:11.16	KAY SCHIMPF	USA	2002	5:50.16	LOIS KIVI NOCHMAN	USA	2009
*****				42:10.95	JULIA DOLCE	USA	1995	5:55.47	INGEBORG FRITZE	GER	2008
*****				42:54.05	KIKU ONO	JPN	2002	5:59.36	MARTI GOGNIAT	USA	1997
*****				48:02.60	KATH JOHNSTONE	NZL	2003	50 M. FLY			
*****				50 M. BACK				1:02.04	LOIS KIVI NOCHMAN	USA	2009
50 M. FREE				57.62	BUNNY CEDERLUND	USA	2006	1:07.35	JEAN DURSTON	USA	1999
46.31	OLGA JOHNSON	NZL	2006	58.02	NOEL MORROW	CAN	2004	1:11.38	MARIA LENK	BRA	2000
48.10	MARGERY MEYER	USA	2008	58.38	MASA SHIGEMITSU	JPN	2000	1:12.55	NORA RONAI	BRA	2009
49.14	FUSAKO YAMANAKA	JPN	2005	59.11	MARGERY MEYER	USA	2008	1:16.71	MAXINE MERLINO	USA	1998
49.48	HISAKO KOGA	JPN	2003	59.67	WILLY VAN RYSEL	GBR	2001	1:19.27	JUNE REYNOLDS	USA	2007
49.92	RITA SIMONTON	USA	2003	1:00.29	SILVIA CRAVERI	ITA	2009	1:23.04	CHARLOTTE SANDDAL	USA	2009
50.05	ELSA DE LEEUW	CAN	2009	1:00.39	MARJORIE SHARPE	USA	2002	1:23.52	KALIS RASMUSSEN	CAN	2009
50.36	DORIS MCEWAN	CAN	2009	1:00.71	FUSAKO TOMINARI	JPN	2003	1:23.85	JAE HOWELL	USA	2007
51.34	BUNNY CEDERLUND	USA	2006	1:01.06	MARIA LENK	BRA	2000	1:24.22	JEWEL COOKE	USA	1996
51.99	JULIA DOLCE	USA	1995	1:01.48	DORIS MCEWAN	CAN	2009	100 M. FLY			
52.17	JOYCE FAUNCE	AUS	2006	100 M. BACK				2:21.77	LOIS NOCHMAN	USA	2009
100 M. FREE				2:10.33	BUNNY CEDERLUND	USA	2006	2:36.50	JEAN DURSTON	USA	1999
1:46.95	MARGERY MEYER	USA	2008	2:11.03	WILLY VAN RYSEL	GBR	2001	2:51.00	MAXINE MERLINO	USA	1998
1:48.55	OLGA JOHNSON	NZL	2006	2:11.06	SILVIA CRAVERI	ITA	2009	2:59.72	JUNE REYNOLDS	USA	2007
1:49.64	RITA SIMONTON	USA	2003	2:11.09	PERSIS RAE	AUS	2005	3:05.69	JAE HOWELL	USA	2007
1:54.41	HISAKO KOGA	JPN	2002	2:11.54	MARIA LENK	BRA	2000	3:19.21	NORA RONAI	BRA	2009
1:55.38	MARJORIE SHARPE	USA	2002	2:13.85	LOIS KIVI NOCHMAN	USA	2009	3:20.81	JEWEL COOKE	USA	1996
1:58.86	FUSAKO YAMANAKA	JPN	2005	2:13.95	NOEL MORROW	CAN	2004	3:22.29	EDITH GLUSAC	USA	2003
2:00.31	AUDREY ETIENNE	USA	2001	2:16.21	DOROTHY WILLIAMS	GBR	2008	3:25.85	KALIS RASMUSSEN	CAN	2009
2:02.93	JOYCE FAUNCE	AUS	2006	2:16.59	MARJORIE SHARPE	USA	2002	3:29.58	KATHERINE PELTON	USA	1990
2:02.98	LOIS KIVI NOCHMAN	USA	2009	2:21.90	HANA ENATSU	JPN	2009	200 M. FLY			
2:04.10	TERU USHIKI	JPN	2004	200 M. BACK				4:59.50	LOIS KIVI NOCHMAN	USA	2009
200 M. FREE				4:18.50	EDITH THEIN	ISR	2003	5:42.80	JEAN DURSTON	USA	1999
3:54.18	MARGERY MEYER	USA	2007	4:36.48	BUNNY CEDERLUND	USA	2006	6:01.46	MAXINE MERLINO	USA	1998
3:57.48	RITA SIMONTON	USA	2003	4:41.34	MARIA LENK	BRA	2000	6:26.75	JAE HOWELL	USA	2007
4:05.82	OLGA JOHNSON	NZL	2006	4:41.38	PERSIS RAE	AUS	2005	6:45.75	JUNE REYNOLDS	USA	2007
4:10.40	HISAKO KOGA	JPN	2002	4:46.44	WILLY VAN RYSEL	GBR	2001	7:12.95	JEWEL COOKE	USA	1996
4:16.84	MARJORIE SHARPE	USA	2003	4:49.34	DOROTHY WILLIAMS	GBR	2008	7:15.07	KATHERINE PELTON	USA	1990
4:23.25	ELSA DE LEEUW	CAN	2009	4:50.07	LOIS KIVI NOCHMAN	USA	2009	8:44.12	ANNE POTTIER	FRA	2008
4:24.20	MAURINE KORNFELD	USA	2006	4:53.35	MARJORIE SHARPE	USA	2002	16:41.57	GERDA VOSS	CAN	2004
4:26.28	CANDIDA GANDOLPHO	BRA	2006	4:57.09	ANNE WALKER	USA	2001	100 M. I.M.			
4:27.19	LOIS KIVI NOCHMAN	USA	2009	4:58.10	OLGA JOHNSON	NZL	2006	2:12.85	JEWEL COOKE	USA	1995
4:32.73	URSULA OEHMKE	GER	2004	50 M. BRST				2:13.69	MARGERY MEYER	USA	2008
400 M. FREE				1:00.56	SATOKO SUZUKI	JPN	2008	2:18.55	LOIS KIVI NOCHMAN	USA	2009
7:58.41	MARGERY MEYER	USA	2008	1:02.92	KIMIE KANAI	JPN	2009	2:21.11	RITA SIMONTON	USA	2003
8:17.82	RITA SIMONTON	USA	2003	1:04.29	MICHELE GUILLAIS	FRA	2006	2:22.10	MARIA LENK	BRA	2000
8:44.56	MAURINE KORNFELD	USA	2008	1:05.22	DORIS MCEWAN	CAN	2009	2:23.05	MARIANNA BERKLEY	USA	2007
8:45.92	MARJORIE SHARPE	USA	2002	1:06.67	INGEBORG FRITZE	GER	2009	2:25.02	JEAN DURSTON	USA	1999
8:59.25	OLGA JOHNSON	NZL	2006	1:07.06	LIS KNUTZEN	DEN	2006	2:26.21	ELSA DE LEEUW	CAN	2009
9:06.62	ELSA DE LEEUW	CAN	2009	1:08.16	FUSAKO TOMINARI	JPN	2004	2:26.58	MICHELE GUILLAIS	FRA	2006
9:26.72	LOIS KIVI NOCHMAN	USA	2009	1:08.39	MARIA LENK	BRA	2000	2:27.70	MAXINE MERLINO	USA	1998
9:27.75	MARIA LENK	BRA	2000	1:08.46	DOROTHY WILLIAMS	GBR	2008	200 M. I.M.			
9:29.01	JEAN DURSTON	USA	1999	1:08.53	NORA RONAI	BRA	2009	4:59.06	LOIS NOCHMAN	USA	2009
9:34.27	MAXINE MERLINO	USA	1998	100 M. BRST				5:09.92	MARIA LENK	BRA	2000
800 M. FREE				2:11.98	SATOKO SUZUKI	JPN	2009	5:12.01	JEAN DURSTON	USA	1999



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5:12.13	MAXINE MERLINO	USA	1998	18:38.98	RITA SIMONTON	USA	2008	6:37.73	MARIA LENK	BRA	2005
5:26.90	RITA SIMONTON	USA	2004	21:16.76	WILLY VAN RYSEL	GBR	2006	7:57.95	MICHIKO HAMURO	JPN	2009
5:36.16	MARIANNA BERKLEY	USA	2007	22:18.84	MAXINE MERLINO	USA	2002	8:23.74	MARION DEVITT	CAN	2009
5:37.37	KALIS RASMUSSEN	CAN	2009	25:03.34	MARIA LENK	BRA	2007	9:03.85	JEWEL COOKE	USA	1999
5:44.41	JAE HOWELL	USA	2007	25:12.44	KATH JOHNSTONE	NZL	2007	10:00.45	KATH JOHNSTONE	NZL	2007
6:10.09	JUNE REYNOLDS	USA	2008	28:45.45	ANNA BAUSCHER	USA	1993	10:23.13	MADELEINE MILLER	USA	2000
6:10.88	JEWEL COOKE	USA	1995	1500 M. FREE				14:53.20	HILDA BUEL	USA	2004
400 M. I.M.				35:40.38	RITA SIMONTON	USA	2008	50 M. FLY			
10:28.05	LOIS KIVI NOCHMAN	USA	2009	41:20.62	WILLY VAN RYSEL	GBR	2006	1:30.41	RITA SIMONTON	USA	2008
10:55.73	JEAN DURSTON	USA	1999	44:27.18	MAXINE MERLINO	USA	2002	1:34.61	DOROTHY WESTON	GBR	2003
11:02.02	MAXINE MERLINO	USA	1998	48:36.59	KATH JOHNSTONE	NZL	2007	1:35.56	MAXINE MERLINO	USA	2002
11:51.00	KALIS RASMUSSEN	CAN	2009	50 M. BACK				1:48.46	MARIE KELLEHER	USA	2006
12:24.66	JAE HOWELL	USA	2007	1:05.70	WILLY VAN RYSEL	GBR	2006	1:49.08	JEWEL COOKE	USA	2000
12:30.12	JUNE REYNOLDS	USA	2007	1:08.16	NOEL MORROW	CAN	2009	3:46.54	GERDA VOSS	CAN	2009
13:24.08	JEWEL COOKE	USA	1996	1:13.33	HIDEKO HANADA	JPN	2009	4:00.74	HILDA BUEL	USA	2004
13:32.12	GERTRUD ZINT	USA	2003	1:13.75	MARIA LENK	BRA	2005	4:45.13	ANNA BAUSCHER	USA	1993
14:32.30	ANNE POTTIER	FRA	2009	1:15.02	M.GOTTSCHALK	GER	1999	100 M. FLY			
15:34.06	KATHERINE PELTON	USA	1991	1:16.60	ANNE WALKER	USA	2006	3:21.00	DOROTHY WESTON	GBR	2003
*****				1:16.87	JOAN GODSALL	AUS	2008	4:06.32	JEWELL COOK	USA	1999
*****				1:19.85	MIEKO NAGAOKA	JPN	2006	100 M. I.M.			
*****				1:20.79	EDITH GLUSAC	USA	2008	2:51.20	RITA SIMONTON	USA	2008
*****				1:22.64	JEWEL COOKE	USA	2000	3:06.08	DOROTHY WESTON	GBR	2003
50 M. FREE				100 M. BACK				3:06.87	MAXINE MERLINO	USA	2004
55.53	HISAKO KOGA	JPN	2007	2:26.64	WILLY VAN RYSEL	GBR	2006	3:13.87	JEWEL COOKE	USA	1999
56.55	RITA SIMONTON	USA	2008	2:33.82	NOEL MORROW	CAN	2009	3:31.92	MARIE KELLEHER	USA	2006
1:04.18	NOEL MORROW	CAN	2009	2:36.08	HIDEKO HANADA	JPN	2009	3:51.82	MICHIKO HAMURO	JPN	2009
1:05.20	WILLY VAN RYSEL	GBR	2006	2:43.99	MARIA LENK	BRA	2005	4:43.61	DOROTHY RIORDAN	USA	2004
1:08.65	JOAN GODSALL	AUS	2008	2:45.49	M.GOTTSCHALK	GER	1999	5:08.94	BERNARDA ANGULO	ESP	2004
1:09.85	JEWEL COOKE	USA	2000	2:47.71	ANNE WALKER	USA	2006	5:23.40	GERDA VOSS	CAN	2009
1:10.19	MARIA LENK	BRA	2005	2:56.37	DOROTHY WESTON	GBR	2003	5:58.92	HILDA BUEL	USA	2005
1:10.26	DOROTHY WESTON	GBR	2003	2:59.60	RINA DAVOGLIO	ITA	2002	200 M. I.M.			
1:10.74	SHIZUE SHIMIZU	JPN	2002	3:00.20	MIEKO NAGAOKA	JPN	2006	5:58.46	RITA SIMONTON	USA	2008
1:10.83	ANNE WALKER	USA	2006	3:05.96	JEWEL COOKE	USA	1999	6:25.12	MAXINE MERLINO	USA	2003
100 M. FREE				200 M. BACK				6:56.70	JEWEL COOKE	USA	1999
2:07.65	RITA SIMONTON	USA	2008	5:02.82	WILLY VAN RYSEL	GBR	2006	10:46.88	GERDA VOSS	CAN	2009
2:09.13	HISAKO KOGA	JPN	2008	5:29.42	HIDEKO HANADA	JPN	2009	11:57.44	HILDA BUEL	USA	2004
2:23.66	WILLY VAN RYSEL	GBR	2006	5:56.27	ANNE WALKER	USA	2006	400 M. I.M.			
2:28.27	NOEL MORROW	CAN	2009	6:24.54	MARY LATHRAM	USA	2006	14:55.37	JEWEL COOKE	USA	1999
2:35.08	MARIA LENK	BRA	2005	6:32.92	JEWEL COOKE	USA	1999	*****			
2:35.08	JEWEL COOKE	USA	2000	6:38.29	MIEKO NAGAOKA	JPN	2006	*****			
2:41.09	JOAN GODSALL	AUS	2008	6:57.85	KATH JOHNSTONE	NZL	2007	*****			
2:41.85	KATH JOHNSTONE	NZL	2008	7:16.44	MADELEINE MILLER	USA	2000	*****			
2:47.04	KIKU ONO	JPN	2007	7:22.59	MARION DEVITT	CAN	2009	50 M. FREE			
2:52.25	MIEKO NAGAOKA	JPN	2007	7:43.30	EDITH HENDRY	USA	2003	1:13.87	SHIZUE SHIMIZU	JPN	2006
200 M. FREE				50 M. BRST				1:21.93	MIEKO NAGAOKA	JPN	2009
4:24.90	RITA SIMONTON	USA	2008	1:15.48	FUSAKO TOMINARI	JPN	2007	1:58.55	BERNARDA ANGULO	ESP	2007
4:49.36	HISAKO KOGA	JPN	2008	1:21.91	DOROTHY WESTON	GBR	2003	2:02.50	MARGE ANDERSON	CAN	1998
5:11.66	WILLY VAN RYSEL	GBR	2006	1:24.48	MARIA LENK	BRA	2005	2:08.68	ROSA SELLARES	ESP	2006
5:21.30	MARIA LENK	BRA	2005	1:25.24	M.GOTTSCHALK	GER	1999	4:05.96	ELIZABETH DZIADUS	USA	2005
5:34.59	MAXINE MERLINO	USA	2002	1:33.09	HELGA BITTER	GER	2009	100 M. FREE			
5:38.34	KATH JOHNSTONE	NZL	2008	1:34.98	MICHIKO HAMURO	JPN	2009	3:02.97	MIEKO NAGAOKA	JPN	2009
5:45.22	JEWEL COOKE	USA	2000	1:36.78	RITA SIMONTON	USA	2008	3:10.36	MARIE KELLEHER	USA	2008
5:51.94	KIKU ONO	JPN	2007	1:37.50	YOSHI KUCHIBA	JPN	1998	4:25.97	BERNARDA ANGULO	ESP	2008
6:17.39	MARY LATHRAM	USA	2005	1:38.63	MADELEINE MILLER	USA	2000	4:32.42	ROSA SELLARES	ESP	2006
6:23.75	MARGO BATES	AUS	2000	1:38.64	MARION DEVITT	CAN	2009	4:35.98	MARGE ANDERSON	CAN	1998
400 M. FREE				100 M. BRST				200 M. FREE			
9:01.89	RITA SIMONTON	USA	2008	3:04.86	DOROTHY WESTON	GBR	2003	6:17.47	MIEKO NAGAOKA	JPN	2009
10:01.56	HISAKO KOGA	JPN	2007	3:05.60	MARIA LENK	BRA	2005	6:50.52	MARIE KELLEHER	USA	2008
10:29.76	WILLY VAN RYSEL	GBR	2006	3:25.74	M.GOTTSCHALK	GER	1999	9:26.22	BERNARDA ANGULO	ESP	2009
10:45.34	MAXINE MERLINO	USA	2002	3:48.20	MICHIKO HAMURO	JPN	2009	9:32.52	ROSA SELLARES	ESP	2006
11:10.67	MARIA LENK	BRA	2005	3:49.40	MARION DEVITT	CAN	2009	400 M. FREE			
12:17.00	KATH JOHNSTONE	NZL	2008	4:00.47	RITA SIMONTON	USA	2009	14:21.01	MIEKO NAGAOKA	JPN	2009
12:35.51	KIKU ONO	JPN	2007	4:05.59	DORRIE VANNING	NZL	1991	19:20.68	BERNARDA ANGULO	ESP	2007
13:24.06	MARY LATHRAM	USA	2006	4:06.89	JEWEL COOKE	USA	1999	19:24.06	ROSA SELLARES	ESP	2006
14:06.61	MASAKO MATSUNO	JPN	2006	4:15.28	MADELEINE MILLER	USA	2000	50 M. BACK			
14:16.35	ANNA BAUSCHER	USA	1993	4:21.33	JEANNE TURGEON	CAN	2009	1:24.45	MIEKO NAGAOKA	JPN	2009
800 M. FREE				200 M. BRST				1:27.92	EDITH HENDRY	USA	2006



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1:57.45	BERNARDA ANGULO	ESP	2008	3:57.24	STEVEN MELLOR	GBR	2000	28.28	NICOLAS CANIVET	FRA	2004
2:00.16	SHIZUE SHIMIZU	JPN	2006	3:58.23	ALEX KOSTICH	USA	1997	28.46	COREY WELCH	USA	2008
2:04.24	ROSA SELLARES	ESP	2005	3:59.78	GAVIN LILLEY	GBR	1993	28.55	MICHELE FERRANTE	ITA	2009
2:05.36	MARGE ANDERSON	CAN	1998	4:00.64	G. ORPHANIDES	GBR	2003	28.56	MARCO ARDITO	ITA	2009
2:32.85	MARGO BATES	AUS	2009	4:00.87	D. STOCKINGER	AUT	2008	28.56	KOTARO MORITA	JPN	2009
3:36.30	ELIZABETH DZIADUS	USA	2005	4:02.17	DAN WEGNER	USA	2000	100 M.	BRST		
100 M.	BACK			800 M.	FREE			1:00.28	EDUARDO FISCHER	BRA	2005
2:55.44	MIEKO NAGAOKA	JPN	2009	8:07.91	A. ANGELOTTI	BRA	2001	1:01.49	MITSUHIRO MARU	JPN	2008
3:25.37	EDITH HENDRY	USA	2006	8:13.81	G. ORPHANIDES	GBR	2003	1:01.62	GARY MARSHALL	USA	2009
4:08.35	BERNARDA ANGULO	ESP	2008	8:14.75	ALEX KOSTICH	USA	1997	1:02.11	JESPER KRISTENSEN	DEN	2009
4:12.61	SHIZUE SHIMIZU	JPN	2006	8:21.79	G. SPLITTGERBER	GER	2000	1:02.31	MATTHIAS RUMPF	GER	2005
4:36.75	ROSA SELLARES	ESP	2005	8:22.21	KOHEI FUKAYA	JPN	2009	1:02.38	KRISTIAN OUTINEN	DEN	2008
5:12.32	MARGO BATES	AUS	2007	8:25.06	JASON NIELSON	USA	1996	1:02.49	SIMON LEIGHFIELD	AUS	2002
200 M.	BACK			8:26.25	SYLVAIN CROS	FRA	2009	1:02.51	NICOLAS CANIVET	FRA	2004
6:24.50	MIEKO NAGAOKA	JPN	2009	8:26.37	CRAIG PICKERING	USA	2006	1:02.61	RUSS PATRICK	CAN	2003
7:36.62	EDITH HENDRY	USA	2006	8:28.33	ANDREA MARCATO	ITA	2002	1:02.79	STEFAN FUHRMANN	GER	2007
9:20.51	BERNARDA ANGULO	ESP	2008	8:28.96	M. MICHAELSEN	GER	2002	200 M.	BRST		
9:37.39	ROSA SELLARES	ESP	2005	1500 M.	FREE			2:14.44	CHRISTOPHER JONES	GBR	2007
11:55.69	MARGO BATES	AUS	2007	15:29.68	G. ORPHANIDES	GBR	2003	2:15.42	SIMON LEIGHFIELD	AUS	2002
100 M.	I.M.			15:41.81	ALEX KOSTICH	USA	1997	2:18.21	FABIO SILVA	BRA	2006
3:54.89	MARIE KELLEHER	USA	2008	15:56.29	MARTIN HOHL	SUI	2008	2:19.27	COREY WELCH	USA	2008
*****				16:08.62	TAMMO SCHROEDER	GER	2009	2:19.40	S. YOSHIKURA	JPN	2006
WOMEN 100-104				16:15.61	CRAIG PICKERING	USA	2006	2:19.76	OLIVER VINENZETTI	GER	2005
*****				16:16.13	JOHN CALNAN	CAN	2006	2:20.30	AUDY OKTAVIAN	USA	2003
*****				16:23.21	ROB J MACKLE	USA	1992	2:20.38	C. BRUNSON	USA	2006
*****				16:26.54	TONY DAY	GBR	1991	2:20.40	STUART NOTMAN	GBR	2004
*****				16:29.14	RICCARDO RUSSO	ITA	2006	2:20.43	ABRAHAM SOLANO	USA	1996
M E N 25-29				16:31.71	BERND FELDVOSS	GER	1994	50 M.	FLY		
*****				50 M.	BACK			23.66	DAISUKE ABE	JPN	2009
50 M.	FREE			25.05	STEV THELOKE	GER	2004	23.70	OLIVER WENZEL	GER	2009
22.36	DANIEL BELINI	BRA	2009	25.15	KEVIN DOAK	USA	2007	23.95	DANIEL BELINI	BRA	2009
22.37	RENATO GUERALDI	BRA	2009	25.22	TERO RATY	FIN	2004	24.24	D. BURGESS LAIRD	USA	1989
22.40	LUKAS HARNOL	CZE	2009	25.26	TAKANORI MORI	JPN	2009	24.29	STEFAN HERBST	GER	2004
22.48	ED WAGNER	USA	1996	25.43	MARTIN HARRIS	GBR	1994	24.64	YUSUKE OKAMURA	JPN	2009
22.48	ROBERT PEEL	USA	1993	25.49	OLIVER WENZEL	GER	2009	24.66	LASSE FRANK	GER	2007
22.67	RICARDO WASSALL	BRA	2009	25.62	JIRI LEPOLA	FIN	2002	24.68	NAOKI NAGURA	JPN	2007
22.72	RENE LEITE	BRA	2009	25.84	YUTA SHOJI	JPN	2009	24.77	KEI NAKASHIMA	JPN	2009
22.76	STEFAN OOSTING	NED	2008	25.96	KRISTIAN OUTINEN	DEN	2008	24.79	NORITAKA YAMADA	JPN	2009
22.78	ANDREW MANLEY	GBR	2003	26.00	MICHAEL KANNER	USA	1995	100 M.	FLY		
22.78	BJORN ZIKARSKY	USA	1995	100 M.	BACK			52.92	DANIEL BELINI	BRA	2009
100 M.	FREE			55.04	STEFAN HERBST	GER	2005	53.72	KEI NAKASHIMA	JPN	2009
48.58	S. KUNZELMANN	GER	2005	55.15	TERO RATY	FIN	2004	53.82	JEFF DASH	USA	2008
49.58	ANDREW MANLEY	GBR	2003	55.26	KEVIN DOAK	USA	2009	53.93	STEFAN HERBST	GER	2004
49.60	DANIEL BELINI	BRA	2009	55.42	TAKAFUMI OISHI	JPN	2005	54.65	YUTA HAYASAKI	JPN	2009
49.90	LUKAS HARNOL	CZE	2009	55.76	JOHN KEPPELER	USA	1995	54.73	D. STOCKINGER	AUT	2008
49.91	BJORN ZIKARSKY	USA	1995	55.87	NATHAN OXFORD	GBR	2008	54.83	JASON EADDY	USA	2002
49.96	SYLVAIN JOSEPH	FRA	2009	55.97	MARTIN HARRIS	GBR	1994	54.94	MARIO MARSHALL	USA	2007
50.13	HERMAN LOUW	USA	2000	56.00	JONATHAN AUDIS	GBR	2009	54.98	CURTIS SAWIN	USA	2000
50.20	STEFAN OOSTING	NED	2008	56.02	JIRI LEPOLA	FIN	2002	55.03	YUSUKE AIHARA	JPN	2007
50.31	D. STOCKINGER	AUT	2008	56.24	DAVID VAN ACKER	EST	2007	200 M.	FLY		
50.46	GUY SHERWIN	GBR	2009	200 M.	BACK			1:59.74	MARK LEWIS	GBR	2008
200 M.	FREE			1:56.22	STEFAN HERBST	GER	2006	1:59.92	SATOSHI TORATANI	JPN	2008
1:48.81	JOHN KEPPELER	USA	1995	2:01.14	DEAN KENT	NZL	2005	2:01.72	YOHEI KATO	JPN	2007
1:49.94	ANDREW MANLEY	GBR	2003	2:01.78	MARTIN HARRIS	GBR	1994	2:01.74	LOIC LEROY	FRA	2006
1:50.19	SYLVAIN CROS	FRA	2007	2:02.63	JOHN KEPPELER	USA	1995	2:02.05	KIMITAKA MINOBE	JPN	2003
1:50.99	EDUARDO SCHIESARI	BRA	2002	2:02.67	JONATHAN AUDIS	GBR	2009	2:02.72	LASSE FRANK	GER	2007
1:51.11	HERMAN LOUW	USA	2000	2:03.19	SYLVAIN CROS	FRA	2007	2:03.48	YUTA HAYASAKI	JPN	2009
1:51.34	STEVEN MELLOR	GBR	2000	2:03.69	SHINYA HAYASHI	JPN	2006	2:03.59	JASON EADDY	USA	2002
1:51.46	DAVID HOLMES	GBR	2009	2:03.99	ANTHONY VD KRAAY	GBR	2008	2:04.19	JEFF DASH	USA	2008
1:51.65	FERNANDO SAEZ	BRA	2002	2:04.07	DARRYL FOLLOWS	NZL	1993	2:04.59	DAVID HOLMES	GBR	2009
1:51.87	AURELIEN COQ	FRA	2004	2:04.62	TAKUMA YAMAOKA	JPN	2007	100 M.	I.M.		
1:51.92	DAN WEGNER	USA	2000	50 M.	BRST			55.20	STEFAN HERBST	GER	2004
400 M.	FREE			27.69	RUSS PATRICK	CAN	2003	55.77	YUTA SHOJI	JPN	2009
3:53.60	SYLVAIN CROS	FRA	2007	27.76	EDUARDO FISCHER	BRA	2005	55.78	OLIVER WENZEL	GER	2009
3:56.53	A. ANGELOTTI	BRA	2001	28.11	NAOKI NAGURA	JPN	2006	56.13	NAOKI NAGURA	JPN	2008
3:56.60	MARTIN HOHL	SUI	2009	28.18	MITSUHIRO MARU	JPN	2008	56.47	KRISTIAN OUTINEN	DEN	2008
3:56.66	AURELIEN COQ	FRA	2004	28.26	MATTHIAS RUMPF	GER	2005	56.65	JEFF COMMINGS	USA	2003



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56.76	ATTILA CZENE	USA	2001	4:00.26	SEBASTIAN WIESE	GER	2004	28.01	JEFF COMMINGS	USA	2008
57.04	JACOB CARSTENSEN	DEN	2007	4:00.36	FABIEN CZACHOR	FRA	2009	28.20	RYOSUKE IMAI	JPN	2009
57.33	TERO RATY	FIN	2004	4:02.06	RAPHAEL VIEIRA	BRA	2008	28.27	MATTHIAS RUMPF	GER	2009
57.39	DEAN KENT	NZL	2005	4:02.66	ROWDY GAINES	JPN	1989	28.31	HIDEAKI TOGO	JPN	2003
200 M. I.M.				4:02.80	CRAIG PICKERING	USA	2008	28.48	TOMASZ DUSZYNSKI	POL	2009
2:00.56	STEFAN HERBST	GER	2006	4:03.85	GLAUCO RANGEL	BRA	2002	28.56	ALAN PESSOTTI	BRA	2007
2:01.58	DEAN KENT	NZL	2005	4:04.46	IGOR PIOVESAN	ITA	2008	100 M. BRST			
2:03.28	AURELIEN COQ	FRA	2004	800 M. FREE				1:01.34	MATTHIAS RUMPF	GER	2009
2:04.17	YOHEI KATO	JPN	2007	8:17.06	ALEX KOSTICH	USA	2000	1:01.34	JEFF COMMINGS	USA	2008
2:05.66	ANDREW MANLEY	GBR	2004	8:19.13	SEBASTIAN WIESE	GER	2004	1:01.35	RYUTARO MORITA	JPN	2009
2:05.74	ANTHONY VD KRAAY	GBR	2008	8:19.44	BRUCE HAYES	USA	1994	1:01.54	RYOSUKE IMAI	JPN	2009
2:05.93	JOHN KEPPELER	USA	1995	8:22.10	FABIEN CZACHOR	FRA	2009	1:02.32	TOMASZ DUSZYNSKI	POL	2009
2:05.98	KAZUYA KUROSU	JPN	2003	8:24.60	IGOR PIOVESAN	ITA	2008	1:02.40	CARLOS ALENCAR	BRA	2009
2:06.84	J HORKY	CZE	1997	8:29.51	CRAIG PICKERING	USA	2008	1:02.54	KAZUYA KOIKE	JPN	2009
2:06.96	EDUARDO SCHIESARI	BRA	2004	8:32.66	ANDREA MARCATO	ITA	2006	1:02.73	TOMONORI TSUJI	JPN	2009
400 M. I.M.				8:34.26	DAN STEPHENSON	USA	1989	1:02.85	NICK POLKINGHORNE	GBR	2004
4:14.51	IKUMI HASEGAWA	JPN	2009	8:34.46	ANTONIO D'ARAI	ITA	2005	1:03.05	TIMOTHY CARLSON	USA	2009
4:20.94	DEAN KENT	NZL	2005	8:34.69	FABIO AFFRICANO	ITA	2005	200 M. BRST			
4:26.08	JULIEN BAILLOD	SUI	2009	1500 M. FREE				2:13.60	KAZUYA KOIKE	JPN	2009
4:26.79	JOHN KEPPELER	USA	1995	15:51.07	ALEX KOSTICH	USA	2000	2:15.72	TOMASZ DUSZYNSKI	POL	2007
4:26.97	ALEX KOSTICH	USA	1997	16:06.84	IGOR PIOVESAN	ITA	2008	2:16.60	NICK GILLINGHAM	GBR	2001
4:30.05	DAVID HOLMES	GBR	2009	16:11.71	ANDREA MARCATO	ITA	2004	2:17.56	ROQUE SANTOS	USA	1999
4:30.42	SYLVAIN CROS	FRA	2009	16:12.03	FABIEN CZACHOR	FRA	2009	2:17.92	TIMOTHY CARLSON	USA	2009
4:30.99	MARCEL RINZLER	USA	2000	16:15.49	MIKE SHAFFER	USA	1995	2:18.46	RYUTARO MORITA	JPN	2009
4:32.09	ASUKA KOIZUMI	JPN	2008	16:21.25	BRUCE HAYES	USA	1994	2:19.69	SIMONE BATTISTON	ITA	2009
4:32.80	ANTHONY VD KRAAY	GBR	2008	16:21.80	CRAIG PICKERING	USA	2008	2:20.17	ADRIAN TURNER	GBR	2009
*****				16:26.83	JEFF UTSCH	USA	1997	2:20.53	ABRAHAM SOLANO	USA	1999
M E N 30-34				16:31.60	FABIO AFFRICANO	ITA	2007	2:21.22	RODRIGO BARDI	BRA	2009
*****				16:36.85	COLIN OVINGTON	GBR	2001	50 M. FLY			
50 M. FREE				50 M. BACK				22.87	THOMAS RUPPRATH	GER	2009
22.13	THOMAS RUPPRATH	GER	2009	24.81	DERYA BUYUKUNCU	USA	2009	24.10	FERNANDO ALAEZ	ESP	2009
22.41	S.KUNZELMANN	GER	2008	25.54	MARTIN ZUBERO	USA	2001	24.11	LEANDRO OKUDA	BRA	2009
22.61	LEANDRO OKUDA	BRA	2009	25.59	THIAGO PINTO	BRA	2008	24.20	TAKASHI NISHIYAMA	JPN	2009
22.68	ANDREW MANLEY	GBR	2008	25.67	HAJIME ITOI	JPN	2001	24.32	MARCELO TOMAZINI	BRA	2009
22.68	AUSTYN SHORTMAN	GBR	2003	25.70	FERNANDO ALAEZ	ESP	2009	24.36	HAJIME ITOI	JPN	2003
22.74	ALEXANDER REHDER	BRA	2009	25.76	T.TAKEMURA	JPN	2009	24.64	ZSOLT GASPARGAS	USA	2009
22.76	ED WAGNER	USA	2002	25.95	DEREK ROBINSON	USA	2000	24.64	BRIAN ALDERMAN	USA	1999
22.82	ROWDY GAINES	JPN	1989	26.03	MARTIN HARRIS	GBR	2000	24.65	OSWALDO QUEVEDO	USA	2007
22.99	MICHAEL PICOTTE	USA	2003	26.08	MARCIN KACZMAREK	POL	2009	24.67	ALEXANDER KAHL	GER	2007
23.05	ZSOLT GASPARGAS	USA	2009	26.13	STEFFEN SCHMOLKE	GER	2001	100 M. FLY			
100 M. FREE				100 M. BACK				54.10	TAMAS KEREKJARTO	USA	2009
49.04	S.KUNZELMANN	GER	2008	52.68	DERYA BUYUKUNCU	USA	2009	54.28	S.KUNZELMANN	GER	2008
49.30	TAMAS KEREKJARTO	USA	2009	55.19	MARTIN ZUBERO	USA	2003	54.50	MARCELO TOMAZINI	BRA	2009
49.95	FERNANDO ALAEZ	ESP	2009	55.78	MARTIN HARRIS	GBR	2000	54.66	HIROKI NAKAZONO	JPN	2009
49.97	ANDREW MANLEY	GBR	2008	55.98	TAKUMA YAMAOKA	JPN	2008	54.82	HIROSHI MIURA	JPN	1996
50.51	ROWDY GAINES	JPN	1989	56.14	TAKAFUMI OISHI	JPN	2006	54.85	BRIAN ALDERMAN	USA	1999
50.53	KLAUS HUEZ	ITA	2004	56.16	THIAGO PINTO	BRA	2008	55.06	NAOYUKI KOBAYASHI	JPN	2009
50.57	ALEXANDER REHDER	BRA	2009	56.25	JOHN KEPPELER	USA	1999	55.11	TIMOTHY CARLSON	USA	2009
50.64	STEPHANE MEYER	FRA	2007	56.53	STEFAN HERBST	GER	2008	55.40	DANIEL MORALES	ESP	2008
50.71	MICHAEL PICOTTE	USA	2003	56.62	FERNANDO ALAEZ	ESP	2009	55.57	STEPHEN MAVIN	GBR	2009
50.84	CLAYTON JONES	USA	2009	56.83	JAY YARID	USA	1993	200 M. FLY			
200 M. FREE				200 M. BACK				1:59.51	MARCELO TOMAZINI	BRA	2009
1:48.40	JACOB CARSTENSEN	DEN	2008	1:55.46	DERYA BUYUKUNCU	USA	2009	2:00.21	HIROSHI MIURA	JPN	2000
1:49.00	CHRISTOPH HILMER	GER	2006	1:56.68	STEFAN HERBST	GER	2008	2:00.50	TAMAS KEREKJARTO	USA	2009
1:49.58	TAMAS KEREKJARTO	USA	2009	2:00.43	MARTIN ZUBERO	USA	2001	2:04.03	JOCHEN HANZ	GER	2009
1:50.91	ROWDY GAINES	JPN	1989	2:02.84	TAKAFUMI OISHI	JPN	2007	2:04.59	MIKE SHAFFER	USA	1995
1:51.97	ANDREW MANLEY	GBR	2007	2:02.91	JOHN KEPPELER	USA	1999	2:05.00	C.SORRENTINO	ITA	2008
1:52.04	JOHN KEPPELER	USA	1999	2:03.36	TAKUMA YAMAOKA	JPN	2008	2:05.07	FERNANDO ALAEZ	ESP	2008
1:52.42	JOCHEN BRUHA	GER	2001	2:03.77	JEROME FAROUZE	FRA	2007	2:05.68	ERIK HOCHSTEIN	USA	2002
1:52.83	BRUCE HAYES	USA	1994	2:04.63	JAY YARID	USA	1993	2:05.84	ANDREA MARCATO	ITA	2008
1:53.06	CLAYTON JONES	USA	2009	2:04.76	TOM RUSHTON	CAN	2009	2:05.93	IAN BECK	GBR	1995
1:53.66	DAN STEPHENSON	USA	1989	2:04.92	Y.NAKAHARA	JPN	2000	100 M. I.M.			
400 M. FREE				50 M. BRST				55.00	STEFAN HERBST	GER	2008
3:57.47	TAMAS KEREKJARTO	USA	2009	26.77	JORGE ALONZO	ESP	2009	56.34	FERNANDO ALAEZ	ESP	2009
3:58.40	ALEX KOSTICH	USA	2000	27.11	MARCELO TOMAZINI	BRA	2009	56.36	ATTILA CZENE	SWE	2004
3:59.83	BRUCE HAYES	USA	1994	27.73	CARLOS ALENCAR	BRA	2009	56.46	TAMAS KEREKJARTO	USA	2009
				27.81	THOMAS RUPPRATH	GER	2009	56.66	MARTIN ZUBERO	USA	2003



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56.83	DERYA BUYUKUNCU	USA	2008	4:01.78	RON KARNAUGH	USA	2003	28.30	STEVE WEST	USA	2009
56.87	JEFF COMMINGS	USA	2008	4:02.35	SEBASTIAN WIESE	GER	2007	28.63	PER SVANBERG	SWE	2009
57.02	JACOB CARSTENSEN	DEN	2009	4:02.52	MIKE SHAFFER	USA	2000	28.75	RON KARNAUGH	USA	2002
57.06	SEBASTIEN BILLON	FRA	2007	4:03.90	NICOLAS GRANGER	FRA	2002	28.77	WALLY DICKS	USA	1998
57.29	ANDREW MANLEY	GBR	2008	4:05.07	GARRY MEIKLEJOHN	JPN	2009	28.87	GERALD MORKEN	GER	1997
200 M. I.M.				4:05.29	ALEX KOSTICH	USA	2009	28.94	ALAN PESSOTTI	BRA	2008
1:57.68	TAMAS KEREKJARTO	USA	2009	4:05.84	ANDREA MARCATO	ITA	2009	28.95	RON DEKKER	NED	2003
1:58.13	STEFAN HERBST	GER	2008	4:06.72	TONY LENNARTSSON	SWE	2002	28.98	ANDREA AGOSTINONE	ITA	2008
2:03.74	TIMOTHY CARLSON	USA	2009	800 M. FREE				29.09	YASUHIRO KOMORI	JPN	2009
2:04.01	ATTILA CZENE	SWE	2004	8:16.19	ALEX KOSTICH	USA	2009	100 M. BRST			
2:04.16	JOCHEN HANZ	GER	2008	8:23.06	ERIK HOCHSTEIN	USA	2003	1:01.47	JEFF COMMINGS	USA	2009
2:05.45	MARCELO TOMAZINI	BRA	2009	8:26.43	MIKE SHAFFER	USA	2000	1:01.63	STEVE WEST	USA	2009
2:05.59	HIROSHI MIURA	JPN	2000	8:27.96	IGOR PIOVESAN	ITA	2009	1:02.57	RON KARNAUGH	USA	2002
2:05.74	JACOB CARSTENSEN	DEN	2008	8:28.37	RICHARD STANNARD	GBR	2009	1:02.62	NICK GILLINGHAM	GBR	2004
2:06.15	NICOLAS GRANGER	FRA	2001	8:29.31	BOBBY PATTEN	USA	1999	1:02.79	WALLY DICKS	USA	2000
2:06.32	ROQUE SANTOS	USA	1999	8:30.84	OLIVIER VAHE	FRA	2009	1:03.77	PER SVANBERG	SWE	2009
400 M. I.M.				8:31.55	GARRY MEIKLEJOHN	JPN	2009	1:04.02	GERALD MORKEN	GER	1997
4:19.69	TAMAS KEREKJARTO	USA	2009	8:32.29	JUAN C VALLEJO	ESP	2000	1:04.11	TIMO NOLTE	GER	2008
4:22.35	ASUKA KOIZUMI	JPN	2009	8:33.28	SEBASTIAN WIESE	GER	2007	1:04.37	RON DEKKER	NED	2003
4:26.74	ROQUE SANTOS	USA	1999	1500 M. FREE				1:04.38	HAJIME MORIMOTO	JPN	2004
4:27.02	JOCHEN HANZ	GER	2008	15:56.57	ALEX KOSTICH	USA	2009	200 M. BRST			
4:29.07	ALEX KOSTICH	USA	2000	15:58.20	BOBBY PATTEN	USA	1999	2:16.49	NICK GILLINGHAM	GBR	2004
4:32.23	JEROME FRENTSOS	USA	1999	16:03.47	MIKE SHAFFER	USA	2000	2:16.66	STEVE WEST	USA	2009
4:34.73	C.SORRENTINO	ITA	2007	16:05.94	RICHARD STANNARD	GBR	2009	2:17.96	RON KARNAUGH	USA	2002
4:35.97	BRUCE HAYES	USA	1994	16:07.85	FRED CLATWORTHY	GBR	2009	2:18.68	V.KIRJANOV	LAT	2009
4:38.24	CRAIG PICKERING	USA	2008	16:11.68	IGOR PIOVESAN	ITA	2009	2:20.26	WALLY DICKS	USA	2000
4:38.26	SHIGEO SHIRAISHI	JPN	2006	16:12.88	ERIK HOCHSTEIN	USA	2003	2:20.49	HAJIME MORIMOTO	JPN	2003
*****				16:17.38	DANIEL SERRA	ESP	2007	2:20.99	ALBERTO MONTINI	ITA	2005
M E N 35-39				16:20.54	NICOLAS GRANGER	FRA	2006	2:22.50	JAN GRAFE	GER	2008
*****				16:24.14	OLIVIER VAHE	FRA	2008	2:22.64	SERGE SCORE	CAN	1996
50 M. FREE				50 M. BACK				2:23.83	KENICHIRO TSUKUI	JPN	2009
21.53	MARK FOSTER	GBR	2007	25.72	EDILSON SILVA	USA	2009	50 M. FLY			
22.47	JOHN MIRANDA	SWE	2000	25.86	MICHAEL ROSS	USA	2004	24.48	JAN KARLSSON	SWE	2003
22.73	FELIPE DELGADO	USA	2009	26.69	ANDRE CORDEIRO	BRA	2009	24.56	EIJI NOMURA	JPN	2009
22.96	STEPHANE MEYER	FRA	2009	26.72	JEFF WELECHUK	CAN	2009	25.03	MAKIO ENDO	JPN	2009
23.02	BRIAN JACOBSON	USA	2008	26.80	LEONARDO GOMES	BRA	2009	25.23	STEPHANE MEYER	FRA	2009
23.04	M.GIALDI	ITA	2004	26.84	CLAY BRITT	USA	1996	25.23	BRIAN ALDERMAN	USA	2005
23.12	JAN KARLSSON	SWE	2003	26.87	RON KARNAUGH	USA	2002	25.24	MASATERU IKEDA	JPN	2009
23.14	ANDRE CORDEIRO	BRA	2009	27.02	MARTIN HARRIS	NZL	2005	25.29	MICHAEL ROSS	USA	2004
23.15	MAKIO ENDO	JPN	2009	27.13	TAKURO KOJIMA	JPN	2003	25.30	HIDEYUKI CHIGIRA	JPN	2006
23.41	EIJI NOMURA	JPN	2009	27.14	DEREK ROBINSON	USA	2004	25.32	WADE KING	USA	2002
100 M. FREE				27.14	JIM HARVEY	USA	2001	25.38	FELIPE DELGADO	USA	2009
49.53	JOHN MIRANDA	SWE	2000	100 M. BACK				100 M. FLY			
50.54	STEPHANE MEYER	FRA	2009	55.95	MICHAEL ROSS	USA	2004	54.82	EIJI NOMURA	JPN	2009
50.72	MICHAEL PICOTTE	USA	2009	56.42	JEFF WELECHUK	CAN	2009	55.24	STEPHANE MEYER	FRA	2009
51.01	RON KARNAUGH	USA	2003	56.93	RON KARNAUGH	USA	2002	55.64	MASATERU IKEDA	JPN	2009
51.31	MICHAEL ROSS	USA	2004	57.14	DEREK GUFFEY	USA	2009	55.85	JIM HARVEY	USA	2001
51.43	JOCHEN BRUHA	GER	2004	57.19	JEFF COMMINGS	USA	2009	56.08	TYLER BLESSING	USA	2009
51.44	JIM HARVEY	USA	2001	57.69	CHRIS JONES	GBR	2006	56.32	MICHAEL ROSS	USA	2004
51.49	GO KUWATA	JPN	2008	58.20	JIM HARVEY	USA	2001	56.59	DAVID WARREN	GBR	2009
51.52	EIJI NOMURA	JPN	2009	58.25	CLAY BRITT	USA	1996	56.59	TAIHEI SAKA	JPN	2003
51.66	R.LOCOCIOLO	ITA	2009	58.30	MATTHEW O'CONNOR	ESP	2006	56.62	HIROYUKI NAKAMURA	JPN	2006
200 M. FREE				58.36	TOMOHIRO MUSA	JPN	2009	56.73	MIKE SHAFFER	USA	2000
1:51.31	ERIK HOCHSTEIN	USA	2003	58.36	GIUSEPPE TIANO	ITA	2007	200 M. FLY			
1:51.47	JOCHEN BRUHA	GER	2004	200 M. BACK				2:03.31	EIJI NOMURA	JPN	2009
1:51.54	MICHAEL ROSS	USA	2004	2:00.34	RON KARNAUGH	USA	2002	2:04.50	BOBBY PATTEN	USA	1999
1:52.90	RON KARNAUGH	USA	2002	2:03.20	DEREK GUFFEY	USA	2009	2:05.84	MIKE SHAFFER	USA	2000
1:53.37	TYLER BLESSING	USA	2009	2:04.21	CHRIS JONES	GBR	2006	2:06.23	ERIK HOCHSTEIN	USA	2003
1:53.66	EDWIN VAN NORDEN	NED	1998	2:04.96	JEFF WELECHUK	CAN	2009	2:06.48	WILLIAM SPECHT	USA	1994
1:54.37	R.LOCOCIOLO	ITA	2009	2:06.26	ROMAIN MARTY	FRA	2009	2:06.65	UWE VOLK	GER	2009
1:54.51	MIKE SHAFFER	USA	2000	2:06.95	YOSHIHITO NAKAHARA	JPN	2005	2:06.87	TAIHEI SAKA	JPN	2003
1:54.93	RICHARD STANNARD	GBR	2009	2:07.12	JEROME FRENTSOS	USA	2000	2:07.20	CHARLIE JOHNSON	USA	1999
1:55.07	F.SILVESTRI	ITA	2002	2:07.54	Y.NAKAHARA	JPN	2008	2:07.22	ANDREA MARCATO	ITA	2009
400 M. FREE				2:07.80	MARK VOGEL	DEN	2006	2:08.16	HIROYUKI NAKAMURA	JPN	2005
3:57.77	ERIK HOCHSTEIN	USA	2003	2:08.54	MARCEL RINZLER	USA	2006	100 M. I.M.			
3:58.50	F.SILVESTRI	ITA	2002	50 M. BRST				56.94	RON KARNAUGH	USA	2003
				27.79	JEFF COMMINGS	USA	2009	56.98	JEFF COMMINGS	USA	2009



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57.00	C.SORRENTINO	ITA 2009	400 M. FREE	28.86	ALBERTO MONTINI	ITA 2009	
58.03	BRIAN JACOBSON	USA 2008	4:00.67 KAI DITZEL	GER 2004	28.89	YOZO FUJII	JPN 2009
58.18	DEREK GUFFEY	USA 2009	4:00.80 ALBERTO MONTINI	ITA 2009	29.08	HAROLD MATLA	NED 2009
58.23	GO KUWATA	JPN 2009	4:01.32 ERIK HOCHSTEIN	USA 2009	29.17	RICO ROLLI	ITA 2009
58.36	MICHAEL ROSS	USA 2006	4:05.30 F.SILVESTRI	ITA 2003	29.22	ROQUE SANTOS	USA 2009
58.36	JIM HARVEY	USA 2001	4:06.12 NICOLAS GRANGER	FRA 2007	29.27	ANDREA AGOSTINONE	ITA 2009
58.51	R.LOCOCIOLO	ITA 2009	4:06.30 PATRICK BRUNDAGE	USA 2009	29.27	MAKOTO ONODERA	JPN 2009
58.55	DAVID WARREN	GBR 2009	4:07.00 ALEJANDRO MORENO	MEX 2009	29.48	ALESSANDRO VISINI	ITA 2009
200 M. I.M.			4:07.63 MIKE SHAFFER	USA 2008	29.49	WOLFGANG JARMER	GER 2006
2:03.29	RON KARNAUGH	USA 2002	4:09.10 WILLIAM SPECHT	USA 1999	29.50	GERHARD AMMER	GER 1999
2:04.89	DEREK GUFFEY	USA 2009	4:09.31 HESS YNTEMA	USA 1995	100 M. BRST		
2:07.06	JEFF COMMINGS	USA 2009	800 M. FREE		1:02.42	ALBERTO MONTINI	ITA 2009
2:07.21	JIM HARVEY	USA 2001	8:25.08 ERIK HOCHSTEIN	USA 2009	1:03.33	ROQUE SANTOS	USA 2009
2:07.31	UWE VOLK	GER 2009	8:28.16 ALEJANDRO MORENO	MEX 2009	1:03.91	YOZO FUJII	JPN 2009
2:07.31	NICOLAS GRANGER	FRA 2004	8:28.23 DANIEL SERRA	ESP 2009	1:04.53	RICO ROLLI	ITA 2009
2:07.60	PETER BERMEL	GER 2002	8:31.69 KAI DITZEL	GER 2005	1:04.63	SHUJI AZUMA	JPN 2009
2:08.21	EDWIN VAN NORDEN	NED 1999	8:31.86 MIKE SHAFFER	USA 2008	1:04.87	MAKOTO ONODERA	JPN 2009
2:08.34	JEROME FRENTSOS	USA 2000	8:33.16 F.SILVESTRI	ITA 2003	1:05.09	HAJIME MORIMOTO	JPN 2009
2:08.54	TYLER BLESSING	USA 2009	8:33.19 MICHAEL KLEIBER	GER 2003	1:05.66	ALESSANDRO VISINI	ITA 2009
400 M. I.M.			8:36.66 NICOLAS GRANGER	FRA 2007	1:05.79	PLAMEN ALEXANDROV	USA 2002
4:24.36	RON KARNAUGH	USA 2003	8:38.31 MICHAEL PRUFERT	GER 2004	1:05.84	WALLY DICKS	USA 2006
4:30.81	DEREK GUFFEY	USA 2009	8:40.40 RICARDO VALDIVIA	USA 2007	200 M. BRST		
4:32.97	UWE VOLK	GER 2009	1500 M. FREE		2:15.95	ALBERTO MONTINI	ITA 2009
4:34.06	JEROME FRENTSOS	USA 2000	16:07.46 DANIEL SERRA	ESP 2009	2:16.03	ROQUE SANTOS	USA 2009
4:37.47	MARCEL RINZLER	USA 2006	16:09.32 MIKE SHAFFER	USA 2009	2:22.39	HAJIME MORIMOTO	JPN 2009
4:37.73	ROMAIN MARTY	FRA 2009	16:22.21 DINO SCHORN	ITA 2009	2:25.23	SHUJI AZUMA	JPN 2008
4:39.42	EDWIN VAN NORDEN	NED 1999	16:23.95 F.SILVESTRI	ITA 2003	2:25.58	RON SCHAFER	USA 1997
4:39.97	DARIUSZ WOLNY	POL 1999	16:36.21 ERIK HOCHSTEIN	USA 2009	2:25.86	YOZO FUJII	JPN 2009
4:40.30	F.SILVESTRI	ITA 2002	16:37.00 KAI DITZEL	GER 2005	2:26.26	PETER BERMEL	GER 2009
4:40.84	ROBIN BREW	GBR 1997	16:37.00 MICHAEL KLEIBER	GER 2003	2:26.59	WALLY DICKS	USA 2006
			16:42.00 GEORGE TIDMARSH	USA 2003	2:26.64	MAKOTO ONODERA	JPN 2009
*****			16:43.80 ALBERTO MONTINI	ITA 2008	2:26.93	PLAMEN ALEXANDROV	USA 2002
	M E N 40-44		16:51.71 HESS YNTEMA	USA 1995	50 M. FLY		
*****			50 M. BACK		24.91	MICHAEL ROSS	USA 2008
50 M. FREE			25.53 MICHAEL ROSS	USA 2009	25.13	HARTMUT BERNER	GER 2005
23.11	M.GIALDI	ITA 2009	26.56 CHRIS STEVENSON	USA 2008	25.29	JAN KARLSSON	SWE 2009
23.25	ERIK HOCHSTEIN	USA 2008	26.59 GIUSEPPE TIANO	ITA 2009	25.41	MIKE VAROZZA	USA 2009
23.45	MICHAEL ROSS	USA 2009	26.80 SHUJI AZUMA	JPN 2009	25.43	ROBERTO TARRICONE	ITA 2004
23.68	R.ALVES SANTOS	BRA 2003	27.21 HIROYOSHI MAETOGE	JPN 2009	25.76	KAZUHIKO YAMAKAWA	JPN 2009
23.73	STEFAN OPATRIL	AUT 2008	27.28 ERIC ERICSON	USA 2002	25.84	STEVE HILTABIDDLE	USA 2007
23.75	JOAKIM SJOHOLM	SWE 2003	27.44 JAN KARLSSON	SWE 2009	25.85	GABRIELE MAINI	ITA 2008
23.83	METELLO SAVINO	ITA 2006	27.44 J CLAY BRITT	USA 2001	25.86	BARRY SARETSKY	CAN 2009
23.87	CYRO DELGADO	BRA 2005	27.46 FRITZ LEHMAN	USA 2002	25.88	TAIHEI SAKA	JPN 2004
23.88	JAN KARLSSON	SWE 2008	27.49 CRAIG NORREY	SUI 2005	100 M. FLY		
23.90	JANNE VIRTANEN	FIN 2004	100 M. BACK		55.82	MICHAEL ROSS	USA 2008
100 M. FREE			54.85 MICHAEL ROSS	USA 2008	56.18	WILLIAM SPECHT	USA 1998
50.43	MICHAEL ROSS	USA 2008	55.90 CHRIS STEVENSON	USA 2008	56.50	JIM HARVEY	USA 2007
50.45	ERIK HOCHSTEIN	USA 2009	57.66 ERIC ERICSON	USA 2002	56.62	MIKE VAROZZA	USA 2009
51.57	MIKE VAROZZA	USA 2009	57.73 GIUSEPPE TIANO	ITA 2009	56.62	HARTMUT BERNER	GER 2005
52.05	M.GIALDI	ITA 2009	58.28 J CLAY BRITT	USA 2003	56.64	ALBERTO MONTINI	ITA 2009
52.07	KAI DITZEL	GER 2004	58.85 HIROYOSHI MAETOGE	JPN 2009	56.73	ERIK HOCHSTEIN	USA 2009
52.07	CYRO DELGADO	BRA 2002	59.26 WILLIAM SPECHT	USA 1998	56.82	TAIHEI SAKA	JPN 2004
52.35	HENRIK JOHANSSON	SWE 2008	59.45 ALBERTO MONTINI	ITA 2009	56.99	CHRIS STEVENSON	USA 2008
52.39	JOAKIM SJOHOLM	SWE 2004	59.55 EDUARDO MAROCCO	BRA 2009	57.12	ANDREA TOJA	ITA 2009
52.44	PAUL SMITH	USA 2001	59.64 SHUJI AZUMA	JPN 2008	200 M. FLY		
52.73	JOCHEN BRUHA	GER 2009	200 M. BACK		2:02.97	WILLIAM SPECHT	USA 1998
200 M. FREE			2:03.84 MICHAEL ROSS	USA 2008	2:06.48	DENNIS BAKER	USA 2005
1:50.08	MICHAEL ROSS	USA 2008	2:04.96 CHRIS STEVENSON	USA 2008	2:07.03	MIKE SHAFFER	USA 2008
1:51.95	ERIK HOCHSTEIN	USA 2009	2:08.26 ERIC ERICSON	USA 2002	2:08.46	JAMES BELARDI	USA 1997
1:53.03	KAI DITZEL	GER 2004	2:09.61 WILLIAM SPECHT	USA 1998	2:09.08	ALBERTO MONTINI	ITA 2008
1:55.11	F.SILVESTRI	ITA 2003	2:10.20 ROQUE SANTOS	USA 2009	2:09.09	HESS YNTEMA	USA 1995
1:55.42	PATRICK BRUNDAGE	USA 2009	2:10.27 GIUSEPPE TIANO	ITA 2009	2:10.99	CHRIS STEVENSON	USA 2008
1:56.06	CYRO DELGADO	BRA 2005	2:10.51 EDWIN VAN NORDEN	NED 2004	2:11.10	A.LAVEGLIA	ITA 2007
1:56.09	DANIEL SERRA	ESP 2009	2:10.73 LEN GUSHE	CAN 2005	2:11.30	MARK MAGEE	USA 2009
1:56.44	PAUL SMITH	USA 2001	2:11.17 FRITZ LEHMAN	USA 2002	2:11.34	TAIHEI SAKA	JPN 2007
1:56.49	MIKE SHAFFER	USA 2008	2:11.47 ALBERTO MONTINI	ITA 2009	100 M. I.M.		
1:56.62	ALBERTO MONTINI	ITA 2009	50 M. BRST		57.71	MICHAEL ROSS	USA 2008



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58.28 ALBERTO MONTINI	ITA 2009	1:59.53 JIM SORESENSEN	USA 2007	2:15.36 PETER MCKINNON	CAN 2009
58.94 ROQUE SANTOS	USA 2008	2:00.08 MICHAEL PRUFERT	GER 2009	50 M. BRST	
58.98 ERIK HOCHSTEIN	USA 2008	400 M. FREE		29.85 CHRIS WEISSMAN	USA 2009
59.25 SHUJI AZUMA	JPN 2009	4:05.90 KAI DITZEL	GER 2008	30.06 WALLY DICKS	USA 2009
59.36 KAZUHIKO YAMAKAWA	JPN 2009	4:08.93 MARCUS MATTIOLI	BRA 2005	30.13 GLEN CHRISTIANSEN	SWE 2002
59.57 ROBERTO TARRICONE	ITA 2003	4:09.19 KEITH SWITZER	USA 2009	30.21 DAVID GUTHRIE	USA 2008
59.66 PETER BERMEL	GER 2007	4:11.02 MARCO COLOMBO	ITA 2007	30.25 GLENN MILLS	USA 2008
59.78 JIM HARVEY	USA 2007	4:13.42 LUDEK BURIAN	CZE 2009	30.26 FABIO SERVADIO	ITA 2009
59.98 BARRY SARETSKY	CAN 2009	4:14.73 JIM MCCONICA	USA 1999	30.47 M.WILLIAMSON	CAN 2009
200 M. I.M.		4:15.06 MICHAEL SCHMIDT	USA 2008	30.48 FALTMAN MAGNUS	SWE 2004
2:05.46 ROQUE SANTOS	USA 2009	4:15.62 B.BORDONALI	ITA 2007	30.55 DEAN PUTTERMAN	USA 2008
2:07.71 ERIK HOCHSTEIN	USA 2008	4:16.68 MICHAEL PRUFERT	GER 2009	30.80 JENS LUTSCHIN	GER 2009
2:07.96 PETER BERMEL	GER 2007	4:17.65 FRANCESC COLL	ESP 2008	100 M. BRST	
2:08.13 ALBERTO MONTINI	ITA 2009	800 M. FREE		1:04.69 CHRIS WEISSMAN	USA 2009
2:08.77 NICOLAS GRANGER	FRA 2007	8:39.84 MICHAEL PRUFERT	GER 2009	1:05.48 DAVID GUTHRIE	USA 2009
2:09.46 LORENZO BENUCCI	USA 2008	8:42.76 KAI DITZEL	GER 2008	1:05.74 GLENN MILLS	USA 2008
2:11.97 PATRICK BRUNDAGE	USA 2009	8:43.45 RICARDO VALDIVIA	USA 2009	1:06.48 GLEN CHRISTIANSEN	SWE 2004
2:12.16 ROY BERG	USA 2008	8:46.79 MICHAEL KLEIBER	GER 2008	1:06.88 FABIO SERVADIO	ITA 2009
2:12.17 TODD BARTEE	USA 2009	8:49.03 MICHAEL SCHMIDT	USA 2008	1:07.22 THOMAS LIGL	GER 2009
2:12.25 HAJIME MORIMOTO	JPN 2009	8:50.30 MARCO COLOMBO	ITA 2008	1:07.77 GREGORY OXLEY	USA 2003
2:12.25 JIM SORESENSEN	USA 1998	8:52.40 GERRY RODRIGUES	USA 2007	1:07.88 JON BLANK	USA 2007
400 M. I.M.		8:52.62 B.BORDONALI	ITA 2008	1:07.94 J.MELLADO	FRA 2009
4:32.05 ROQUE SANTOS	USA 2008	8:52.84 DAVID SIMS	USA 2009	1:08.09 LEE RIDER	USA 2001
4:33.90 ALBERTO MONTINI	ITA 2009	8:55.03 LEN GUSHE	CAN 2008	200 M. BRST	
4:35.15 ERIK HOCHSTEIN	USA 2008	1500 M. FREE		2:22.68 GLENN MILLS	USA 2008
4:35.57 NICOLAS GRANGER	FRA 2007	16:28.63 MICHAEL KLEIBER	GER 2008	2:23.74 DAVID GUTHRIE	USA 2009
4:37.02 DARIUSZ WOLNY	POL 2000	16:43.02 MARCUS MATTIOLI	BRA 2006	2:28.37 THOMAS LIGL	GER 2009
4:39.78 PATRICK BRUNDAGE	USA 2008	16:51.21 JIM MCCONICA	USA 1999	2:28.74 J.MELLADO	FRA 2009
4:43.28 HESS YNTEMA	USA 1995	16:52.13 B.BORDONALI	ITA 2007	2:29.71 EDWIN VAN NORDEN	NED 2009
4:44.06 LORENZO BENUCCI	USA 2007	16:54.69 GERRY RODRIGUES	USA 2008	2:29.89 CHRIS WEISSMAN	USA 2007
4:44.38 DENNIS BAKER	USA 2005	16:56.31 MARK DRENNEN	USA 2004	2:31.41 GREGORY OXLEY	USA 2003
4:44.87 MIKE SHAFFER	USA 2008	16:58.05 ROBERT BARKER	GBR 2008	2:31.73 GLEN CHRISTIANSEN	SWE 2002
*****		17:00.23 JIMMY FURRER	SUI 2004	2:31.80 M.WILLIAMSON	CAN 2009
M E N 45-49		17:04.77 GEOFFREY GLASER	USA 2009	2:31.92 AL JAEGER	USA 2008
*****		17:13.48 DJAN MADRUGA	BRA 2006	50 M. FLY	
50 M. FREE		50 M. BACK		25.74 FRITZ BEDFORD	USA 2009
23.80 FRITZ BEDFORD	USA 2009	27.02 CHRIS STEVENSON	USA 2009	25.78 CHRIS STEVENSON	USA 2009
23.88 METELLO SAVINO	ITA 2009	27.20 ANDERS RASMUSSEN	USA 2008	25.82 PAUL SMITH	USA 2007
24.00 JOAKIM SJOHOLM	SWE 2008	27.24 J CLAY BRITT	USA 2006	25.84 PAUL CARTER	USA 2003
24.02 BRENT BARNES	JPN 2006	27.35 FRITZ BEDFORD	USA 2009	25.99 ANDERS RASMUSSEN	USA 2008
24.09 V.GALAVTINE	RUS 1998	27.45 CRAIG NORREY	GBR 2009	26.08 METELLO SAVINO	ITA 2009
24.12 MARK REYNOLDS	GBR 2009	27.97 MARCO COLOMBO	ITA 2009	26.40 CRAIG NORREY	GBR 2009
24.18 ANDERS RASMUSSEN	USA 2008	27.99 STEVE WOOD	USA 2005	26.52 MARCO COLOMBO	ITA 2006
24.21 ANDREA NICOLAO	ITA 2009	28.19 HIROSHI SHIBUYA	JPN 2009	26.55 RAMON VOLCAN	VEN 2006
24.23 DMITRI KHODKO	RUS 2006	28.32 JAY YARID	USA 2008	26.59 DOUGLAS PRIDE	USA 2009
24.25 STEVE WOOD	USA 2008	28.40 FRITZ LEHMAN	USA 2003	100 M. FLY	
100 M. FREE		100 M. BACK		57.17 PAUL CARTER	USA 2003
52.54 PAUL SMITH	USA 2007	57.00 CHRIS STEVENSON	USA 2009	57.58 CHRIS STEVENSON	USA 2009
52.90 MARK REYNOLDS	GBR 2009	58.48 J CLAY BRITT	USA 2006	58.02 PAUL SMITH	USA 2007
52.92 KAI DITZEL	GER 2008	58.75 FELIPE BARRETO	MEX 2009	58.03 ANDERS RASMUSSEN	USA 2009
53.04 MARCO COLOMBO	ITA 2005	58.89 ANDERS RASMUSSEN	USA 2008	58.10 WILLIAM SPECHT	USA 2004
53.21 FRITZ BEDFORD	USA 2009	59.17 EDWIN VAN NORDEN	NED 2009	58.29 MARCEL EKKELBOOM	GER 2009
53.61 BRENT BARNES	JPN 2005	59.91 JAY YARID	USA 2008	58.35 DENNIS BAKER	USA 2006
53.76 DAVID BOATWRIGHT	USA 2006	1:00.09 FRITZ LEHMAN	USA 2003	58.60 WILLIAM SEGAL	USA 2009
53.85 KEITH SWITZER	USA 2009	1:00.16 STEVE WOOD	USA 2008	58.80 KAI DITZEL	GER 2008
53.95 FRANCESC COLL	ESP 2008	1:00.70 FRANCESCO PETTINI	ITA 2009	59.22 GLENN DIXON	USA 2009
53.99 RICHARD HUGHEY	USA 2008	1:00.81 CRAIG NORREY	GBR 2009	200 M. FLY	
200 M. FREE		200 M. BACK		2:06.40 DENNIS BAKER	USA 2006
1:54.73 KAI DITZEL	GER 2008	2:05.54 CHRIS STEVENSON	USA 2009	2:09.06 WILLIAM SPECHT	USA 2003
1:56.00 PAUL SMITH	USA 2007	2:10.43 JAY YARID	USA 2008	2:09.58 MARCUS MATTIOLI	BRA 2006
1:56.26 MARCUS MATTIOLI	BRA 2009	2:11.22 TAIHEI SAKA	JPN 2009	2:09.65 CHRIS STEVENSON	USA 2009
1:56.62 KEITH SWITZER	USA 2009	2:12.10 WIESLAW MUSIAL	CAN 2003	2:11.66 KAI DITZEL	GER 2008
1:56.93 MARCO COLOMBO	ITA 2008	2:12.87 EDWIN VAN NORDEN	NED 2008	2:13.29 MICHAEL SCHMIDT	USA 2008
1:57.64 MARK REYNOLDS	GBR 2009	2:13.09 LEN GUSHE	CAN 2008	2:14.85 DAMIANO NANETTI	ITA 2007
1:59.04 FRANCESC COLL	ESP 2009	2:13.36 FRITZ LEHMAN	USA 2003	2:15.14 HUGO BREGMAN	NED 2006
1:59.25 PETER MCKINNON	CAN 2009	2:13.42 DJAN MADRUGA	BRA 2005	2:16.86 JOHN CRAIG	USA 2004
		2:15.08 MARCO COLOMBO	ITA 2007	2:17.30 PAUL MORRIS	GBR 2004



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100 M. I.M.		2:03.80 LEE MENCH	USA 2003	2:22.12 MIKE MCINTYRE	CAN 2004
1:00.13 EDWIN VAN NORDEN	NED 2009	2:03.94 MARK DRENNEN	USA 2006	2:22.42 TOM BARTON	USA 2008
1:00.14 ANDERS RASMUSSEN	USA 2009	2:04.18 ERIC EMINENTE	FRA 2009	50 M. BRST	
1:00.29 MARCO COLOMBO	ITA 2006	400 M. FREE		30.91 GLEN CHRISTIANSEN	SWE 2009
1:00.46 ALEX BAUMANN	CAN 2009	4:07.99 JIM MCCONICA	USA 2000	31.06 RONNY OLTNER	SWE 2007
1:00.49 JOSEF HLADKY	GER 2008	4:12.12 BOB BUGG	USA 2009	31.08 BENN DOYLE	USA 2008
1:00.57 RICHARD HUGHEY	USA 2008	4:18.96 MARK DRENNEN	USA 2006	31.10 GARY PATTERSON	USA 2009
1:00.66 CLAY BRITT	USA 2006	4:21.85 FRANCIS CHRISTIAN	AUS 2008	31.22 MARK SCHREMMER	USA 2009
1:00.84 PAUL SMITH	USA 2007	4:26.37 LARRY KRAUSER	USA 2003	31.24 DON MC KENZIE	USA 1997
1:01.30 J.MELLADO	FRA 2009	4:26.48 ERIC EMINENTE	FRA 2009	31.34 OLIVIER BORIOS	FRA 2009
1:01.39 F.RODRIGUEZ	PER 2009	4:27.55 JIM CLEMMONS	USA 2002	31.68 GERHARD AMMER	GER 2009
200 M. I.M.		4:28.39 IVAR SISNIEGA	MEX 2009	31.68 G.HOFFMANN	USA 2009
2:10.49 TAIHEI SAKA	JPN 2009	4:28.64 LEE MENCH	USA 2003	31.72 TIMOTHY SHEAD	RSA 2002
2:11.28 ANDERS RASMUSSEN	USA 2009	4:28.84 R TOD SPIEKER	USA 1999	100 M. BRST	
2:11.92 EDWIN VAN NORDEN	NED 2009	800 M. FREE		1:08.27 BENN DOYLE	USA 2008
2:12.01 ALEX BAUMANN	CAN 2009	8:44.51 JIM MCCONICA	USA 2000	1:08.56 GLEN CHRISTIANSEN	SWE 2009
2:13.42 GLENN MILLS	USA 2008	8:53.47 MARK DRENNEN	USA 2006	1:08.95 GARY PATTERSON	USA 2009
2:14.17 CHRIS WEISSMAN	USA 2009	9:04.68 FRANCIS CHRISTIAN	AUS 2008	1:08.97 RONNY OLTNER	SWE 2007
2:15.31 MARCO COLOMBO	ITA 2007	9:11.92 JIM CLEMMONS	USA 2002	1:09.40 G.HOFFMANN	USA 2009
2:15.39 DAVE TOWN	CAN 2008	9:12.81 R TOD SPIEKER	USA 1998	1:09.88 TIMOTHY SHEAD	RSA 2002
2:16.56 PAUL SMITH	USA 2004	9:15.18 SERGE GUERIN	FRA 2009	1:09.96 ROBERT STRAND	USA 1996
2:16.58 MARCUS MATTIOLI	BRA 2009	9:15.50 SCOTT SHAKE	USA 2008	1:10.02 MARK SCHREMMER	USA 2009
400 M. I.M.		9:15.65 IVAR SISNIEGA	MEX 2009	1:10.04 DOUG VANDERBY	CAN 2009
4:42.15 TAIHEI SAKA	JPN 2009	9:17.45 SIMON VEALE	GBR 2006	1:10.05 OLIVIER BORIOS	FRA 2009
4:44.28 MARCUS MATTIOLI	BRA 2009	9:22.31 STEVEN PRESCOTT	NZL 2008	200 M. BRST	
4:46.68 CHRIS STEVENSON	USA 2009	1500 M. FREE		2:32.06 LINCOLN DJANG	USA 2009
4:48.12 MICHAEL SCHMIDT	USA 2008	16:33.02 JIM MCCONICA	USA 2000	2:32.78 BENN DOYLE	USA 2008
4:48.17 LEN GUSHE	CAN 2008	17:14.75 MARK DRENNEN	USA 2007	2:33.38 G.HOFFMANN	USA 2009
4:48.75 A.TIBERTI	ITA 2008	17:32.20 JIM CLEMMONS	USA 2001	2:33.71 LORENZO MARUGO	ITA 2004
4:48.97 LINCOLN DJANG	USA 2004	17:33.73 FRANCIS CHRISTIAN	AUS 2008	2:34.71 ROBERT STRAND	USA 1996
4:52.73 GLENN MILLS	USA 2009	17:34.08 SIMON VEALE	GBR 2007	2:35.88 TOM REUDY	USA 2006
4:53.84 DAVE TOWN	CAN 2007	17:36.51 R TOD SPIEKER	USA 1999	2:36.14 PATRICK ALLENDER	USA 2008
4:54.89 SIMON VEALE	GBR 2004	17:48.71 LARRY KRAUSER	USA 2003	2:36.57 TIMOTHY SHEAD	RSA 2002
*****		17:58.01 LARRY WOOD	USA 2004	2:36.78 GLEN CHRISTIANSEN	SWE 2007
M E N 50-54		18:04.37 STEVEN PRESCOTT	NZL 2004	2:36.84 LORENZO MERLI	ITA 2009
*****		18:07.37 GLENN CARLSEN	CAN 2008	50 M. FLY	
50 M. FREE		50 M. BACK		25.49 DAN THOMPSON	CAN 2009
23.38 AMBROSE GAINES	USA 2009	28.37 JAMIE FOWLER	USA 2009	26.12 PAUL CARTER	USA 2007
23.97 BRENT BARNES	JPN 2009	28.85 MARIO LLORET	ESP 2009	26.20 PAUL SMITH	USA 2009
24.26 PAUL TREVISAN	USA 2003	28.96 V.GALAVTINE	FRA 2004	26.45 WILLIAM SPECHT	USA 2009
24.74 DMITRI KHODKO	SWE 2009	28.98 GIANNI BERTOLI	ITA 2009	26.78 FRITZ HOMANS	USA 2008
24.74 V.GALAVTINE	FRA 2003	29.04 PHILIPP DJANG	USA 2008	26.79 GREG SHAW	USA 2003
24.77 PAUL SMITH	USA 2009	29.17 WIESLAW MUSIAL	CAN 2009	26.96 MARIO LLORET	ESP 2009
24.80 DAN THOMPSON	CAN 2009	29.20 MIKE MCINTYRE	CAN 2004	26.97 HUGO BREGMAN	NED 2009
24.86 PHILIPPE MORELLE	BEL 2006	29.23 JOHN VAN BUUREN	CAN 2004	27.04 DONALD GRAHAM	USA 2006
24.87 RICHARD KAMMERER	USA 2009	29.30 TOM WOLF	USA 2004	27.30 JOHN VAN BUUREN	CAN 2004
25.00 LARRY KRAUSER	USA 2003	29.31 SCOTT SHAKE	USA 2008	100 M. FLY	
100 M. FREE		100 M. BACK		57.29 PAUL CARTER	USA 2007
51.61 AMBROSE GAINES	USA 2009	1:00.38 JAMIE FOWLER	USA 2009	58.76 MARIO LLORET	ESP 2009
53.87 BOB BUGG	USA 2009	1:01.48 TOM WOLF	USA 2004	59.25 WILLIAM SPECHT	USA 2009
54.29 BRENT BARNES	JPN 2009	1:01.86 WIESLAW MUSIAL	CAN 2009	59.39 DAN THOMPSON	CAN 2009
54.40 RICHARD KAMMERER	USA 2009	1:01.89 MARIO LLORET	ESP 2009	59.91 HUGO BREGMAN	NED 2008
54.61 PAUL TREVISAN	USA 2003	1:01.92 GIANNI BERTOLI	ITA 2009	1:00.08 JOHN MCCALL	USA 2003
54.73 DMITRI KHODKO	SWE 2009	1:02.39 V.GALAVTINE	FRA 2004	1:00.27 FRITZ HOMANS	USA 2008
55.35 JACK GROSELLE	USA 2007	1:02.98 RICHARD KAMMERER	USA 2009	1:00.32 GREG SHAW	USA 2005
55.37 LEE MENCH	USA 2003	1:03.01 JAMES BALLARD	USA 2009	1:00.82 JOHN VAN BUUREN	CAN 2005
55.51 LARRY KRAUSER	USA 2003	1:03.43 PHILIPP DJANG	USA 2008	1:00.99 BOB BUGG	USA 2009
55.67 FRITZ HOMANS	USA 2008	1:04.17 HUGH WILDER	USA 1997	200 M. FLY	
200 M. FREE		200 M. BACK		2:12.54 WILLIAM SPECHT	USA 2009
1:56.75 BOB BUGG	USA 2009	2:11.84 JAMIE FOWLER	USA 2009	2:13.00 HUGO BREGMAN	NED 2008
1:58.37 JIM MCCONICA	USA 2000	2:13.05 WIESLAW MUSIAL	CAN 2009	2:18.02 SCOTT LAUTMAN	USA 2004
2:00.31 PAUL SMITH	USA 2009	2:14.03 TOM WOLF	USA 2004	2:18.88 JOHN CRAIG	USA 2004
2:03.10 LARRY KRAUSER	USA 2003	2:15.10 SCOTT SHAKE	USA 2008	2:19.51 FRANCIS CHRISTIAN	AUS 2007
2:03.34 RICHARD KAMMERER	USA 2009	2:16.60 GIANNI BERTOLI	ITA 2009	2:20.26 GREG SHAW	USA 2003
2:03.65 IVAR SISNIEGA	MEX 2009	2:20.01 PHILIPP DJANG	USA 2005	2:20.86 JIM OCONNOR	USA 2003
2:03.74 JACK GROSELLE	USA 2007	2:20.42 R TOD SPIEKER	USA 1999	2:21.58 BOO GRANER GALLAS	USA 1997
		2:20.86 JIM MC CONICA	USA 2002	2:21.64 SEIICHI YARITA	JPN 2007



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2009)

2:21.70 BART MCDERMOTT	USA 2006	2:06.94 TIM BIRNIE	USA 2000	2:27.57 EDDIE RIACH	GBR 2009
100 M. I.M.		2:07.78 JIM CLEMMONS	USA 2008	2:28.25 TOM WOLF	USA 2009
1:01.29 JAMIE FOWLER	USA 2009	2:08.21 STEVEN PRESCOTT	NZL 2009	2:29.11 TIM SHEAD	RSA 2007
1:01.54 PAUL SMITH	USA 2009	2:08.28 J.CHATARD	FRA 2006	50 M. BRST	
1:02.27 MARIO LLORET	ESP 2009	400 M. FREE		30.50 WALTER KUSCH	GER 2009
1:02.51 KEN SHILLING	USA 2008	4:16.03 MICHAEL MANN	USA 2009	31.82 TIMOTHY SHEAD	USA 2009
1:02.75 DMITRI KHODKO	SWE 2009	4:24.92 JIM MCCONICA	USA 2006	32.17 STUART ELLICOTT	AUS 2009
1:03.54 TIMOTHY SHEAD	RSA 2002	4:28.73 TOD SPIEKER	USA 2003	32.18 ROBERT STRAND	USA 2001
1:03.57 TOM WOLF	USA 2004	4:28.97 J.CHATARD	FRA 2006	32.44 ALEXANDER MILLS	NOR 2006
1:03.61 JOHN VAN BUUREN	CAN 2005	4:31.95 STEVEN PRESCOTT	NZL 2009	32.69 TIM SHEAD	RSA 2008
1:03.65 TOM REUDY	USA 2006	4:32.83 TIM BIRNIE	USA 2000	33.03 C.STARZEC	FRA 2005
1:03.75 GREG SHAW	USA 2003	4:32.85 LARRY WOOD	USA 2009	33.04 RALPH SCHALLON	SUI 2009
200 M. I.M.		4:35.22 JIM CLEMMONS	USA 2008	33.07 ROBERT WEYHENKE	NED 2008
2:13.40 JAMIE FOWLER	USA 2009	4:36.29 DAVE DICKSON	CAN 2009	33.17 HIROSHI KOTEGAWA	JPN 1993
2:14.53 KEN SHILLING	USA 2008	4:36.34 JOEL KRIGER	BRA 2009	100 M. BRST	
2:17.48 PAUL CARTER	USA 2007	800 M. FREE		1:08.13 WALTER KUSCH	GER 2009
2:18.68 SIMON VEALE	GBR 2006	8:51.34 MICHAEL MANN	USA 2009	1:09.93 TIMOTHY SHEAD	USA 2009
2:18.71 SCOTT SHAKE	USA 2008	9:03.00 JIM MCCONICA	USA 2006	1:11.53 ROBERT STRAND	USA 2001
2:19.27 TOM WOLF	USA 2004	9:07.40 G.SCARMEL	ITA 2008	1:12.01 RALPH SCHALLON	SUI 2009
2:19.63 TOM REUDY	USA 2006	9:13.15 TOD SPIEKER	USA 2003	1:12.54 MICHAEL MANN	USA 2009
2:20.20 BOB BUGG	USA 2009	9:25.93 JIM CLEMMONS	USA 2008	1:12.67 ROBERT WEYHENKE	NED 2008
2:20.35 GREG SHAW	USA 2003	9:26.04 R SCOTT TOWNSEND	USA 2009	1:13.41 CELSO JUGEND	BRA 2009
2:20.68 JOHN FERRIS	USA 2000	9:30.05 JOEL KRIGER	BRA 2009	1:13.54 C.STARZEC	FRA 2005
400 M. I.M.		9:32.94 D.UIJTENBOGAART	NED 2002	1:13.69 RANDY PARKER	USA 2009
4:51.57 JAMIE FOWLER	USA 2009	9:33.00 STEVEN PRESCOTT	NZL 2009	1:14.14 JACK GROSELLE	USA 2009
4:55.50 LINCOLN DJANG	USA 2009	9:33.71 LARRY WOOD	USA 2009	200 M. BRST	
4:57.52 LORENZO MARUGO	ITA 2004	1500 M. FREE		2:33.79 TIMOTHY SHEAD	USA 2009
4:58.93 JIM MC CONICA	USA 2001	17:14.15 JAMES MCCONICA	USA 2005	2:36.90 RALPH SCHALLON	SUI 2009
4:58.99 HUGO BREGMAN	NED 2009	17:35.21 TOD SPIEKER	USA 2003	2:38.76 ROBERT STRAND	USA 2001
4:59.39 MARK DRENNEN	USA 2006	17:56.15 J.CHATARD	FRA 2006	2:40.52 ROBERT WEYHENKE	NED 2007
5:03.99 TOM REUDY	USA 2006	17:58.95 STEVEN PRESCOTT	NZL 2009	2:42.58 JIM CLEMMONS	USA 2008
5:04.49 SIMON VEALE	GBR 2006	18:02.40 JIM CLEMMONS	USA 2005	2:43.25 HIROKAZU AOYAMA	JPN 2009
5:05.09 GREG SHAW	USA 2003	18:13.36 LARRY WOOD	USA 2009	2:44.17 TAKEO HIRAMOTO	JPN 2007
5:05.37 JOHN MORALES	USA 2009	18:14.38 WILLIAM PENN	USA 2009	2:45.16 JOHN GORDON	GBR 2001
*****		18:22.06 RICK WALKER	USA 2009	2:45.28 G.SCARMEL	ITA 2009
M E N 55-59		18:27.16 D.UIJTENBOGAART	NED 2002	2:46.00 GRAHAM PEARSON	GBR 2007
*****		18:36.16 G.SCARMEL	ITA 2009	50 M. FLY	
50 M. FREE		50 M. BACK		26.93 GREG SHAW	USA 2009
24.70 PAUL TREVISAN	USA 2006	29.07 PHILIPP DJANG	USA 2009	27.21 STEVE BOROWSKI	USA 2002
24.91 JACK GROSELLE	USA 2009	29.41 ALISTAIR COCKBURN	USA 2008	27.58 KEVIN MCCORMACK	USA 2008
25.00 RICH ABRAHAMS	USA 2001	30.15 CASEY CLAFLIN	USA 2008	27.74 RICH ABRAHAMS	USA 2001
25.38 MIKE TENNANT	USA 2009	30.21 TAKEO HIRAMOTO	JPN 2009	27.76 DONALD GRAHAM	USA 2009
25.42 BARRY ROTH	USA 2009	30.25 HUGH WILDER	USA 2003	27.94 JEAN-MARIE CADIAT	BEL 2009
25.55 STEVE BOROWSKI	USA 2002	30.35 ROBERT SMITH	USA 1999	28.14 TIMOTHY SHEAD	USA 2009
25.58 MICHAEL MANN	USA 2009	30.40 GEOFF MYKLEBY	USA 2009	28.19 LEONARD BIELICZ	SWE 2006
25.73 ALEXANDER MILLS	GBR 2006	30.40 TIM BIRNIE	USA 2000	28.24 DAVE WILKIN	CAN 2007
25.76 CHARLES LEMAISTRE	USA 2009	30.42 GREG SHAW	USA 2008	28.31 TOM GEIMAN	USA 2004
25.80 LEONARD BIELICZ	SWE 2007	30.53 WES EDWARDS	USA 2008	100 M. FLY	
100 M. FREE		100 M. BACK		1:00.35 GREG SHAW	USA 2006
54.50 JACK GROSELLE	USA 2009	1:03.75 PHILIPP DJANG	USA 2009	1:02.13 STEVEN WALL	GBR 2009
55.12 PAUL TREVISAN	USA 2006	1:04.89 TIM BIRNIE	USA 2000	1:02.74 KEVIN MCCORMACK	USA 2009
56.29 CHARLES LEMAISTRE	USA 2009	1:05.53 JIM ADAMS	IRL 2007	1:02.74 STEVE BOROWSKI	USA 2002
56.51 RICH ABRAHAMS	USA 2001	1:05.56 HUGH WILDER	USA 2002	1:03.08 JOHN CRAIG	USA 2009
56.74 STEVE BOROWSKI	USA 2002	1:06.05 WES EDWARDS	USA 2008	1:03.23 JEAN-MARIE CADIAT	BEL 2009
57.28 PHIL DODSON	USA 2009	1:06.78 TIMOTHY SHEAD	USA 2009	1:03.51 LEONARD BIELICZ	SWE 2006
57.30 S.D'ALESSANDRO	ITA 1995	1:06.94 ALISTAIR COCKBURN	USA 2008	1:03.72 SHIGEO ASANO	JPN 2004
57.41 BARRY ROTH	USA 2009	1:07.09 TOM WOLF	USA 2009	1:03.78 RICH ABRAHAMS	USA 2001
57.52 MIKE TENNANT	USA 2008	1:07.13 GREG SHAW	USA 2009	1:04.00 TIM SHEAD	USA 2007
57.77 AKIRA IIDA	JPN 2009	1:07.16 TIM SHEAD	RSA 2008	200 M. FLY	
200 M. FREE		200 M. BACK		2:19.72 JOHN CRAIG	USA 2009
1:59.08 MICHAEL MANN	USA 2009	2:19.42 PHILIPP DJANG	USA 2009	2:21.90 GREG SHAW	USA 2007
2:03.40 S.D'ALESSANDRO	ITA 1995	2:20.59 JAMES MCCONICA	USA 2005	2:22.13 JAMES MCCONICA	USA 2005
2:03.56 JACK GROSELLE	USA 2009	2:21.80 TOD SPIEKER	USA 2003	2:22.73 FRED SCHLICHER	USA 2003
2:03.64 JAMES MCCONICA	USA 2005	2:22.25 JIM ADAMS	NED 2006	2:25.95 SCOTT LAUTMAN	USA 2008
2:06.20 TOD SPIEKER	USA 2003	2:24.72 TIM BIRNIE	USA 2000	2:28.52 ROBERT POILETMAN	USA 2001
2:06.83 PHIL DODSON	USA 2009	2:25.81 FRED FERROGGIARO	USA 2008	2:29.77 THOMAS BLISS	USA 2009
		2:26.64 JOHN CALVERT	USA 2000	2:30.57 PHIL DODSON	USA 2009



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2009)

2:31.04	TAKEO HIRAMOTO	JPN	2006	2:14.22	RICH ABRAHAMS	USA	2006	2:37.63	BARRY YOUNG	NZL	2001
2:32.07	WILL REEVES	USA	2009	2:14.66	GLENN GRUBER	USA	2009	2:37.82	PETER O'BRIEN	CAN	2009
100 M. I.M.				2:15.29	EDWARD RUDLOFF	USA	2009	2:37.90	JOSE LORO	BRA	2009
1:03.48	TIMOTHY SHEAD	USA	2009	2:15.84	TOM LANDIS	USA	2002	2:39.52	TERRY DOWNES	RSA	2009
1:03.69	GREG SHAW	USA	2008	2:15.86	RICHARD KITTEL	USA	2008	50 M. BRST			
1:04.34	ROBERT WEYHENKE	NED	2007	400 M. FREE				32.31	ROBERT STRAND	USA	2009
1:05.51	CHARLES LEMAISTRE	USA	2009	4:40.45	DUNCAN MCCREADIE	GBR	2006	33.64	YOSHIHIKO OSAKI	JPN	2000
1:05.76	PHILIPP DJANG	USA	2009	4:43.69	JOHN CALVERT	USA	2005	33.71	PETER ANDERSEN	USA	2003
1:06.09	ALISTAIR COCKBURN	USA	2008	4:47.16	JEAN LESTIDEAU	FRA	2007	34.24	ALLEN STARK	USA	2009
1:06.13	ALEXANDER MILLS	NOR	2006	4:47.93	SANDY GALLETTY	GBR	2002	34.24	GERSHON SHEFA	ISR	2003
1:06.29	GEORGE SCHMIDT	USA	2008	4:48.76	JAMES MCCLEERY	USA	2009	34.40	DIETER HOFEL	GER	2009
1:06.45	DANIEL ROGACKI	USA	2002	4:49.57	GLENN GRUBER	USA	2009	34.41	HIROSHI KOTEGAWA	JPN	1996
1:06.62	JACK GROSELLE	USA	2009	4:49.86	EDWARD RUDLOFF	USA	2009	34.54	AKIO SUGIYAMA	JPN	1995
200 M. I.M.				4:50.38	GEORGE WENDT	USA	2008	34.55	JOZEF KLUKOWSKI	POL	2007
2:16.44	MICHAEL MANN	USA	2009	4:51.98	VITTORIO ERMIRIO	ITA	2003	34.75	STEVE HECK	USA	2009
2:21.05	GREG SHAW	USA	2006	4:52.64	FRANK MCELROY	USA	2008	100 M. BRST			
2:23.49	ROBERT WEYHENKE	NED	2007	800 M. FREE				1:12.09	ROBERT STRAND	USA	2009
2:23.60	PHILIPP DJANG	USA	2009	9:43.83	DUNCAN MCCREADIE	GBR	2005	1:15.00	ALLEN STARK	USA	2009
2:24.64	TIM SHEAD	RSA	2007	9:51.72	SANDY GALLETTY	GBR	2002	1:15.92	ALBERT KOSTITSIN	FIN	2002
2:25.63	JIM CLEMMONS	USA	2008	9:53.30	GEORGE WENDT	USA	2009	1:16.56	PETER ANDERSEN	USA	2003
2:26.70	JAMES MCCONICA	USA	2005	9:58.02	VITTORIO ERMIRIO	ITA	2005	1:16.89	DAVID GILDEA	USA	2003
2:27.19	JOHN CALVERT	USA	2000	9:58.99	JAMES MCCLEERY	USA	2006	1:17.30	JOZEF KLUKOWSKI	POL	2007
2:27.94	FRED SCHLICHER	USA	2003	10:04.36	FRANK MCELROY	USA	2009	1:17.60	STEVE HECK	USA	2009
2:28.49	PHIL DODSON	USA	2009	10:06.73	JEAN LESTIDEAU	FRA	2007	1:17.63	SEIKO OKAZAKI	JPN	2009
400 M. I.M.				10:09.37	EDWARD RUDLOFF JR	USA	2009	1:17.85	JACK KELSO	CAN	1999
4:51.97	MICHAEL MANN	USA	2009	10:09.96	D.UIJTENBOGAART	NED	2007	1:17.97	GERSHON SHEFA	ISR	2003
5:05.40	LORENZO MARUGO	ITA	2007	10:10.78	DRURY GALLAGHER	USA	1998	200 M. BRST			
5:08.15	JAMES MCCONICA	USA	2005	1500 M. FREE				2:40.76	ROBERT STRAND	USA	2009
5:11.49	GREG SHAW	USA	2007	18:50.59	JAMES MCCLEERY	USA	2007	2:49.35	STEVE HECK	USA	2009
5:13.29	R TOD SPIEKER	USA	2003	18:54.83	DUNCAN MCCREADIE	GBR	2005	2:50.40	GEORGE WENDT	USA	2008
5:13.35	JIM CLEMMONS	USA	2008	19:00.25	GEORGE WENDT	USA	2009	2:51.90	ALLEN STARK	USA	2009
5:21.89	EDDIE RIACH	GBR	2008	19:01.87	SANDY GALLETTY	GBR	2002	2:53.05	DRURY GALLAGHER	USA	1998
5:21.98	PHIL DODSON	USA	2009	19:03.57	VITTORIO ERMIRIO	ITA	2003	2:53.21	DAVID GILDEA	USA	2003
5:22.33	PHILIPP DJANG	USA	2009	19:05.60	JEAN LESTIDEAU	FRA	2007	2:53.45	KENNETH FROST	USA	2004
5:23.15	RON ARMSTRONG	CAN	2006	19:10.51	D.UIJTENBOGAART	NED	2009	2:53.65	PETER ANDERSEN	USA	2003
*****				19:14.86	R TOD SPIEKER	USA	2008	2:55.92	PAUL WYATT	AUS	2006
M E N 60-64				19:15.89	EDWARD CAZALET	USA	2003	2:56.18	MICHAEL MOLONEY	AUS	1999
*****				19:39.87	HUBIE KERNS	USA	2009	50 M. FLY			
50 M. FREE				30.80	HUGH WILDER	USA	2009	27.87	RICHARD ABRAHAMS	USA	2008
24.90	RICH ABRAHAMS	USA	2006	31.31	ROBERT SMITH	USA	2004	28.80	KENJI NAKAMATSU	JPN	2009
26.18	RAGNAR JENSEN	NOR	2008	31.50	JOSE LORO	BRA	2009	29.04	JIM DRAGON	USA	2007
26.31	JEFF FARRELL	USA	2000	31.52	PETER O'BRIEN	CAN	2009	29.11	JEAN LESTIDEAU	FRA	2009
26.52	ROBERT SMITH	USA	2003	31.65	RICHARD BURNS	USA	2003	29.13	JOSEF CLARET	ESP	2004
26.54	FUMIO SHIGENO	JPN	2009	31.67	JEAN LESTIDEAU	FRA	2008	29.42	SHIGEO ASANO	JPN	2008
26.84	R.DOBELMANN	FRA	2009	32.12	STEVE HECK	USA	2009	29.48	BRYAN BATEMAN	USA	2008
27.00	GERHARD SCHILLER	GER	2009	32.56	VINUS VAN BAALEN	CAN	2002	29.48	ALBERT BACKES	GER	1995
27.03	STEVE HECK	USA	2009	32.95	DANIEL ROGACKI	USA	2009	29.68	KOJI IWAMOTO	JPN	2002
27.03	VINUS VANBAALEN	USA	2003	33.07	RICHARD ALEXANDER	USA	2004	29.70	ERIC HENDERSON	GBR	2008
27.04	IAN SMITH	CAN	2005	100 M. BACK				100 M. FLY			
100 M. FREE				1:07.31	HUGH WILDER	USA	2009	1:03.76	RICH ABRAHAMS	USA	2006
56.63	RICH ABRAHAMS	USA	2008	1:08.85	RICHARD BURNS	USA	2003	1:05.57	FRED SCHLICHER	USA	2008
58.87	BRYAN BATEMAN	USA	2008	1:09.20	PETER O'BRIEN	CAN	2009	1:05.91	SHIGEO ASANO	JPN	2009
59.74	TERRY DOWNES	RSA	2009	1:09.20	ROBERT SMITH	USA	2004	1:06.44	JEAN LESTIDEAU	FRA	2009
59.76	GLENN GRUBER	USA	2009	1:11.07	BRYAN BATEMAN	USA	2008	1:06.74	ROBERT POILETMAN	USA	2003
59.79	GERHARD SCHILLER	GER	2009	1:11.66	STEVE HECK	USA	2009	1:06.89	KOJI IWAMOTO	JPN	2002
59.83	STEVE HECK	USA	2009	1:12.06	GARY CHASE	USA	2002	1:06.96	JOSEF CLARET	ESP	2007
59.90	DAVID QUIGGIN	USA	2004	1:12.55	GREGORY GUSH	USA	2008	1:07.60	ERIC HENDERSON	GBR	2008
1:00.09	FRED SCHLICHER	USA	2008	1:12.56	J.LESTIDEAU	FRA	2006	1:08.31	HORST LEHMANN	GER	2009
1:00.24	JEFF FARRELL	USA	2000	1:12.71	DIETER SEIFERT	GER	2009	1:08.33	DON MCINTOSH	USA	2003
1:00.82	GRAHAM CROFT	AUS	2008	200 M. BACK				200 M. FLY			
200 M. FREE				2:30.96	JOHN CALVERT	USA	2005	2:30.18	FRED SCHLICHER	USA	2008
2:10.04	FRED SCHLICHER	USA	2008	2:34.17	RICHARD BURNS	USA	2003	2:32.76	JEAN LESTIDEAU	FRA	2007
2:11.78	DUNCAN MCCREADIE	GBR	2006	2:34.71	HUGH WILDER	USA	2007	2:34.65	ROBERT POILETMAN	USA	2003
2:12.14	BERT VOSBERGEN	AUS	2008	2:36.88	EDWARD CAZALET	USA	2003	2:37.79	DEREK PARR	GBR	2005
2:12.18	JOHN CALVERT	USA	2005	2:37.11	DON MCINTOSH	USA	2003	2:37.97	KOJI IWAMOTO	JPN	2002
2:14.14	STEVE HECK	USA	2009	2:37.23	JOSEF CSIKANY	HUN	2005	2:39.25	DOUGLAS MILLER	USA	2007
								2:39.75	HORST LEHMANN	GER	2009



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2:44.54	FRANK MCELROY	USA	2009	2:18.71	JEFF FARRELL	USA	2002	2:48.33	RICHARD TODD	USA	2007
2:46.18	GUNTER SCHOPKE	GER	2000	2:20.13	RUDOLF SMERDA	CZE	2009	2:48.78	YOSHIKATSU SAWADA	JPN	2009
2:47.02	VICTOR PAUL	AUS	2008	2:21.58	DON DAVIS	USA	2009	2:50.06	VINUS VAN BAALEN	CAN	2009
100 M. I.M.				2:21.65	VITTORIO ERMIRIO	ITA	2007	2:50.75	BOB BARRY	AUS	1996
1:07.88	BRYAN BATEMAN	USA	2008	2:22.07	GRAHAM JOHNSTON	USA	1997	2:52.11	KARL DONOGHUE	CAN	2005
1:07.98	ROBERT STRAND	USA	2009	2:22.13	ROBERTO ALBERICHE	ESP	1996	50 M. BRST			
1:08.08	RICH ABRAHAMS	USA	2009	400 M. FREE				34.44	OSAMU MAEDA	JPN	2009
1:08.09	STEVE HECK	USA	2009	4:55.56	TOM LANDIS	USA	2007	34.55	LOUIS KRONFELD	USA	2008
1:09.39	ROBERT SMITH	USA	2003	4:55.97	DAVID QUIGGIN	USA	2009	34.88	JIM DRAGON	USA	2009
1:09.93	JACK KELSO	CAN	1999	4:59.03	VITTORIO ERMIRIO	ITA	2007	34.92	DAVID GILDEA	USA	2009
1:09.95	DRURY GALLAGHER	USA	1998	5:00.26	DON DAVIS	USA	2009	35.13	KENNETH FROST JR	USA	2009
1:10.33	JEAN LESTIDEAU	FRA	2009	5:01.65	RICHARD BURNS	USA	2009	35.46	HIROSHI KOTEGAWA	JPN	2001
1:10.34	BRUCE MOHL	USA	2006	5:01.67	VICTOR PAUL	AUS	2009	35.67	PETER ANDERSEN	USA	2008
1:10.41	GLENN GRUBER	USA	2009	5:06.60	FABRIZIO MOMONI	ITA	2003	35.70	RICHARD TODD	USA	2008
200 M. I.M.				5:09.09	GRAHAM JOHNSTON	USA	1996	36.07	MANUEL SANGUILY	USA	1998
2:30.48	JOHN CALVERT	USA	2005	5:09.96	RAYMOND STOKES	GBR	2004	36.32	EGON HENNINGER	GER	2005
2:30.56	FRED SCHLICHER	USA	2008	5:11.39	SUETAKA SAWADA	JPN	2008	100 M. BRST			
2:30.64	STEVE HECK	USA	2009	800 M. FREE				1:17.01	DAVID GILDEA	USA	2008
2:31.98	ROBERT STRAND	USA	2009	10:16.06	VITTORIO ERMIRIO	ITA	2007	1:17.60	OSAMU MAEDA	JPN	2009
2:32.47	JEAN LESTIDEAU	FRA	2009	10:21.09	TOM LANDIS	USA	2008	1:18.66	RICHARD TODD	USA	2008
2:35.04	JACK KELSO	CAN	1999	10:33.02	DON DAVIS	USA	2009	1:19.12	KENNETH FROST JR	USA	2009
2:35.12	DUNCAN MCCREADIE	GBR	2005	10:34.23	JOACHIM HINTZE	GER	2009	1:20.36	THOMAS JOHNSON	GBR	2007
2:35.84	GEORGE WENDT	USA	2008	10:35.13	GRAHAM JOHNSTON	USA	1996	1:20.41	GERSHON SHEFA	ISR	2008
2:35.95	EDWARD CAZALET	USA	2003	10:42.18	DAVID QUIGGIN	USA	2009	1:21.32	LOUIS KRONFELD	USA	2008
2:37.14	GERSHON SHEFA	ISR	2003	10:44.95	DAVID HARRISON	USA	2002	1:21.34	NICK TEMPLEMAN	CAN	1996
400 M. I.M.				10:45.50	DICK STEWART	USA	2006	1:21.55	BERND WUNSCH	GER	2003
5:25.65	NICK LECLERCQ	USA	2006	10:46.38	RICHARD BURNS	USA	2009	1:22.10	HANS REICHEL	GER	2004
5:30.74	JEAN LESTIDEAU	FRA	2009	10:50.08	RAYMOND STOKES	GBR	2004	200 M. BRST			
5:33.42	STEVE HECK	USA	2009	1500 M. FREE				2:54.56	GERSHON SHEFA	ISR	2008
5:34.43	EDWARD CAZALET	USA	2003	19:32.78	TOM LANDIS	USA	2007	2:56.37	KENNETH FROST JR	USA	2009
5:38.91	SANDY GALLETLY	GBR	2002	19:41.85	VITTORIO ERMIRIO	ITA	2007	2:56.84	DAVID GILDEA	USA	2008
5:39.12	DRURY GALLAGHER	USA	1999	19:53.18	GRAHAM JOHNSTON	USA	1996	2:59.11	RICHARD TODD	USA	2007
5:39.61	GEORGE WENDT	USA	2007	20:09.42	DAVID QUIGGIN	USA	2009	2:59.55	YOSHIKI AOKI	JPN	2005
5:40.51	DOUG MILLER	USA	2006	20:10.13	DON DAVIS	USA	2009	3:00.13	MIKE FRESHLEY	USA	2006
5:42.86	DUNCAN MCCREADIE	GBR	2005	20:36.17	DICK STEWART	USA	2006	3:00.27	MICHAEL MOLONEY	AUS	2004
5:45.51	D. UIJTENBOGAART	NED	2007	20:40.76	VICTOR PAUL	AUS	2009	3:02.15	HANS REICHEL	GER	2004
*****				20:49.25	ERNIE LESKOVITZ	USA	2003	3:03.31	TOM WALKER	GBR	2000
M E N 65-69				20:54.80	BURWELL JONES	USA	2002	3:05.19	TONY GOODWIN	AUS	2002
*****				20:56.70	FABRIZIO MOMONI	ITA	2003	50 M. FLY			
50 M. FREE				50 M. BACK				28.91	JOSEP CLARET	ESP	2009
26.68	KEEFE LODWIG	USA	2008	31.64	RICHARD BURNS	USA	2008	29.18	JIM DRAGON	USA	2009
26.73	VINUS VAN BAALEN	CAN	2007	32.32	VINUS VAN BAALEN	USA	2008	29.78	DAVID QUIGGIN	USA	2009
26.87	DAVID QUIGGIN	USA	2009	32.35	LUIZ FIGUEIREDO	BRA	2006	29.79	KEEFE LODWIG	USA	2008
26.88	IAN SMITH	CAN	2009	32.76	ROBERT SMITH	USA	2008	30.49	TOMOYASU IIDA	JPN	2009
27.05	JEFF FARRELL	USA	2002	33.32	BERND HORSTMANN	GER	2009	30.54	GEORGES KOESSLER	FRA	2007
27.26	JIM DRAGON	USA	2009	33.38	YOSHI OYAKAWA	USA	1999	30.56	BERND SCHRODER	GER	2009
27.68	CAV CAVANAUGH	USA	2000	33.90	GARY CHASE	USA	2005	30.70	BOB BAILIE	USA	2001
27.80	PETER BERGENGREN	SWE	2003	34.43	FRANS VAN ENST	NED	2005	30.71	BERT PETERSEN	USA	2003
28.02	RONALD JOHNSON	USA	1998	34.46	YOSHIKATSU SAWADA	JPN	2009	30.80	IAN SMITH	CAN	2009
28.04	KATSUKI ISHIHARA	JPN	2004	34.59	LUCIEN GAUCHE	FRA	2007	100 M. FLY			
100 M. FREE				100 M. BACK				1:05.90	JOSEP CLARET	ESP	2009
59.40	DAVID QUIGGIN	USA	2009	1:10.16	RICHARD BURNS	USA	2009	1:08.36	DAVID QUIGGIN	USA	2009
59.60	KEEFE LODWIG	USA	2008	1:12.20	BERND HORSTMANN	GER	2009	1:09.10	ROBERT POILETMAN	USA	2009
1:01.13	RICHARD BURNS	USA	2008	1:13.11	ROBERT SMITH	USA	2008	1:09.66	DEREK PARR	GBR	2009
1:01.36	JEFF FARRELL	USA	2002	1:14.04	BARRY YOUNG	NZL	2004	1:10.25	RICHARD BURNS	USA	2008
1:01.77	PHILIPPE MARCHAT	FRA	2009	1:14.66	YOSHI OYAKAWA	USA	1998	1:10.73	KOJI IWAMOTO	JPN	2009
1:02.12	TOM LANDIS	USA	2007	1:14.69	LUIZ FIGUEIREDO	BRA	2006	1:11.45	KEEFE LODWIG	USA	2008
1:02.21	IAN SMITH	CAN	2009	1:14.74	YOSHIKATSU SAWADA	JPN	2009	1:11.62	BERND SCHRODER	GER	2009
1:02.24	PETER BERGENGREN	SWE	2003	1:15.54	VINUS VAN BAALEN	USA	2007	1:11.89	TOMOYASU IIDA	JPN	2009
1:02.41	CAV CAVANAUGH	USA	2000	1:16.12	S. SEKIKAWA	JPN	1998	1:12.41	CHITOSHI KONISHI	JPN	2005
1:02.50	VINUS VAN BAALEN	CAN	2007	1:16.77	BURWELL JONES	USA	2002	200 M. FLY			
200 M. FREE				200 M. BACK				2:38.71	ROBERT POILETMAN	USA	2008
2:15.39	DAVID QUIGGIN	USA	2009	2:34.97	RICHARD BURNS	USA	2009	2:41.64	DEREK PARR	GBR	2009
2:16.27	KEEFE LODWIG	USA	2008	2:37.65	BERND HORSTMANN	GER	2008	2:48.60	KOJI IWAMOTO	JPN	2009
2:17.15	TOM LANDIS	USA	2008	2:44.62	LUIZ FIGUEIREDO	BRA	2006	2:48.78	RICHARD KITCHELL	USA	2005
2:18.31	RICHARD BURNS	USA	2009	2:45.56	GARY CHASE	USA	2005	2:53.93	JOACHIM HINTZE	GER	2008
				2:47.59	S. SEKIKAWA	JPN	1998	2:57.23	TAISUKE MIYAZAKI	JPN	2004



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2:59.62	DAVID CUMMING	GBR	2004	2:29.28	MASATO YOSHINO	JPN	2009	2:53.59	YOSHI OYAKAWA	USA	2003
3:00.15	HUGH RODDIN	USA	2008	2:30.04	JEFF FARRELL	USA	2008	2:54.36	MARTY MENNEN	USA	2007
3:00.83	D MCLACHLAN	RSA	2002	2:30.27	BURWELL JONES	USA	2004	2:55.73	ROGER FRANKS	USA	1998
3:01.54	LUIS R. SIMI	BRA	2002	2:30.45	DAVID RADCLIFF	USA	2007	2:58.91	MAMPEI SEINO	JPN	2003
100 M. I.M.				2:30.62	WERNER SCHNABEL	GER	2009	2:59.35	ALAN JACKSON	GBR	2009
1:10.67	RICHARD BURNS	USA	2008	2:31.75	BALAZS GYORFFY	GBR	2008	2:59.92	PAUL HUTINGER	USA	1994
1:12.04	KOJI IWAMOTO	JPN	2009	2:32.29	DAVID COSTILL	USA	2008	3:01.57	DAVID COSTILL	USA	2007
1:12.51	JEFF FARRELL	USA	2002	2:33.22	NELIO VILLASBOAS	BRA	2002	50 M. BRST			
1:13.40	ALEXANDER KRYUKOV	RUS	2009	400 M. FREE				35.85	YOSHIHIKO OSAKI	JPN	2009
1:13.65	DAVID GILDEA	USA	2009	5:09.75	GRAHAM JOHNSTON	USA	2002	37.26	JEFF FARRELL	USA	2007
1:13.90	BERND SCHRODER	GER	2008	5:15.88	BURWELL JONES	USA	2003	37.44	HANS REICHELT	GER	2007
1:14.29	ROBERT SMITH	USA	2008	5:18.28	DAVID RADCLIFF	USA	2007	37.47	NICK TEMPLEMAN	CAN	2001
1:14.42	HIROSHI NONAKA	JPN	2007	5:26.04	YASUSHI YAMAGUCHI	JPN	2009	37.68	AKIO SUGIYAMA	JPN	2005
1:14.56	VINUS VAN BAALLEN	CAN	2009	5:28.30	GEOFF STOKES	GBR	2009	37.71	MANUEL SANGUILY	USA	2004
1:14.76	MIKE FRESHLEY	USA	2009	5:29.16	JOHN CRISP	AUS	2005	37.96	KARL WIEDAMANN	USA	2008
200 M. I.M.				5:30.15	NIC GEERS	NED	2009	38.12	TONY GOODWIN	AUS	2007
2:38.42	RICHARD BURNS	USA	2009	5:30.42	CAV CAVANAUGH	USA	2005	38.15	JOHN KORTHEUER	USA	2001
2:41.64	BERND HORSTMANN	GER	2008	5:34.86	IKURO SHIMONO	JPN	2007	38.25	RINALDO FERREIRA	BRA	2007
2:42.68	KOJI IWAMOTO	JPN	2009	5:35.36	MICK MARSHALL	GBR	2009	100 M. BRST			
2:43.49	MIKE FRESHLEY	USA	2006	800 M. FREE				1:23.63	BARRY YOUNG	NZL	2009
2:46.35	JEFF FARRELL	USA	2002	10:52.68	GRAHAM JOHNSTON	USA	2001	1:23.70	HANS REICHELT	GER	2007
2:47.43	VICTOR PAUL	AUS	2009	11:01.38	DAVID RADCLIFF	USA	2007	1:24.13	TONY GOODWIN	AUS	2007
2:48.63	RICHARD TODD	USA	2008	11:16.51	YASUSHI YAMAGUCHI	JPN	2009	1:24.13	TETSUO NAKAMARU	JPN	2005
2:49.00	JACK KELSO	CAN	2007	11:23.10	ERNIE LESKOVITZ	USA	2006	1:24.31	YOSHIAKI AOKI	JPN	2008
2:49.10	ROBERTO ALBERICHE	ESP	1996	11:25.65	JOHN CRISP	AUS	2005	1:25.02	JACK KELSO	CAN	2009
2:50.58	VITTORIO ERMIRIO	ITA	2008	11:26.47	GEOFF STOKES	GBR	2009	1:25.11	RON JOHNSON	USA	2003
400 M. I.M.				11:30.41	IKURO SHIMONO	JPN	2007	1:25.34	KARL WIEDAMANN	USA	2008
5:50.91	RICHARD BURNS	USA	2009	11:38.41	FRANK PIEMME	USA	1995	1:25.49	PETER BELL	CAN	2007
5:58.93	MIKE FRESHLEY	USA	2006	11:52.49	NIC GEERS	NED	2009	1:27.10	JOHN KORTHEUER	USA	2001
6:02.48	RICHARD TODD	USA	2008	11:55.21	WILLIAM PHILLIPS	USA	1998	200 M. BRST			
6:02.61	DAVID QUIGGIN	USA	2009	1500 M. FREE				3:01.22	BARRY YOUNG	NZL	2009
6:04.40	GRAHAM JOHNSTON	USA	1996	20:54.56	GRAHAM JOHNSTON	USA	2001	3:05.27	HANS REICHELT	GER	2007
6:07.00	ROBERTO ALBERICHE	ESP	1996	21:17.81	JOHN CRISP	AUS	2005	3:05.42	MICHAEL MOLONEY	AUS	2009
6:08.41	KOJI IWAMOTO	JPN	2009	21:24.18	DAVID RADCLIFF	USA	2007	3:06.16	TONY GOODWIN	AUS	2007
6:09.35	VICTOR PAUL	AUS	2009	22:02.11	YASUSHI YAMAGUCHI	JPN	2009	3:07.68	YOSHIAKI AOKI	JPN	2009
6:10.33	MASAO KIJIMA	JPN	2007	22:08.91	GEOFF STOKES	GBR	2009	3:09.86	PETER BELL	CAN	2005
6:14.67	DICK STEWART	USA	2005	22:12.38	MICK MARSHALL	GBR	2009	3:10.40	JACK KELSO	CAN	2009
*****				22:30.87	WILLIAM PHILLIPS	USA	1998	3:12.98	RON JOHNSON	USA	2003
M E N 70-74				22:32.76	ERNIE LESKOVITZ	USA	2008	3:13.17	KARL WIEDAMANN	USA	2009
*****				22:44.45	FRANK PIEMME	USA	1995	3:13.39	THOMAS WALKER	GBR	2005
*****				22:44.55	ISAO NAKAMOTO	JPN	2009	50 M. FLY			
50 M. FREE				50 M. BACK				31.55	BERT PETERSEN	USA	2008
27.70	JEFF FARRELL	USA	2008	33.90	YOSHI OYAKAWA	USA	2003	31.71	HIROSHI MATSUMOTO	JPN	2009
28.28	PETER BERGENGREN	SWE	2008	35.44	S.SEKIKAWA	JPN	2003	32.57	RONALD JOHNSON	USA	2001
28.55	RON JOHNSON	USA	2003	35.71	PAUL HUTINGER	USA	1994	32.73	HELMUT RICHTER	GER	2009
28.76	CAV CAVANAUGH	USA	2008	35.75	BURWELL JONES	USA	2004	32.93	JEFF FARRELL	USA	2008
28.99	KATSUKI ISHIHARA	JPN	2009	36.16	HELMUT RICHTER	GER	2009	33.06	DAVE COSTILL	USA	2008
29.00	WOLFRAM GOTTFRIED	GER	2003	36.88	GUNTER KOBOW	GER	2007	33.10	PETER BERGENGREN	SWE	2008
29.77	CHARLES BALDWIN	USA	2000	37.00	RON JOHNSON	USA	2003	33.61	BOB BAILIE	USA	2006
29.77	DAVID RADCLIFF	USA	2004	37.01	TOM VERTH	CAN	2009	33.79	DAVID COSTILL	USA	2007
29.80	BOB BAILIE	USA	2006	37.02	ERIC FORSLUND	SWE	2007	33.88	JOSEPH LAMMERT	USA	2009
29.87	JACK KELSO	CAN	2009	37.06	MAMPEI SEINO	JPN	2003	100 M. FLY			
29.87	H.TAKAHASHI	JPN	2006	100 M. BACK				1:16.91	BARRY YOUNG	NZL	2009
100 M. FREE				1:14.31	BARRY YOUNG	NZL	2009	1:18.42	TAISUKE MIYAZAKI	JPN	2009
1:03.33	JEFF FARRELL	USA	2007	1:15.85	YOSHI OYAKAWA	USA	2003	1:19.47	LUIS SIMI	BRA	2007
1:04.58	CAV CAVANAUGH	USA	2005	1:16.73	BURWELL JONES	USA	2003	1:19.51	RONALD JOHNSON	USA	2001
1:04.66	PETER BERGENGREN	SWE	2008	1:18.73	S.SEKIKAWA	JPN	2003	1:20.31	HIROSHI MATSUMOTO	JPN	2006
1:06.26	GRAHAM JOHNSTON	USA	2001	1:19.09	MARTY MENNEN	USA	2007	1:20.35	DAVID COSTILL	USA	2007
1:06.32	MASATO YOSHINO	JPN	2009	1:20.94	MAMPEI SEINO	JPN	2003	1:20.36	DAVID CUMMING	GBR	2009
1:06.50	DAVID RADCLIFF	USA	2004	1:21.09	ALAN JACKSON	GBR	2009	1:21.60	WOLFRAM GOTTFRIED	GER	2001
1:06.70	CHARLES BALDWIN	USA	2000	1:21.50	ROGER FRANKS	USA	1997	1:21.79	DAVE COSTILL	USA	2008
1:07.47	RONALD JOHNSON	USA	2001	1:21.74	PAUL HUTINGER	USA	1994	1:22.37	BERT PETERSEN	USA	2008
1:07.84	WOLFRAM GOTTFRIED	GER	2001	1:21.76	RAY MARTIN	USA	2009	1:22.37	TAKASHI HAYASHI	JPN	2005
1:08.36	SHINGO YAMAMOTO	JPN	2001	200 M. BACK				200 M. FLY			
200 M. FREE				2:40.17	BARRY YOUNG	NZL	2009	2:51.32	BARRY YOUNG	NZL	2009
2:24.31	GRAHAM JOHNSTON	USA	2001	2:51.24	BURWELL JONES	USA	2003	3:08.60	TAKASHI HAYASHI	JPN	2003
2:28.41	CAV CAVANAUGH	USA	2005	2:53.22	S.SEKIKAWA	JPN	2003	3:08.88	TAISUKE MIYAZAKI	JPN	2009



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3:13.57	JESUS DOMINGUEZ	ESP	2000	2:27.53	DAVID RADCLIFF	USA	2009	2:58.21	ROGER FRANKS	USA	2002
3:15.19	RON JOHNSON	USA	2002	2:37.71	GRAHAM JOHNSTON	USA	2006	3:00.92	S.SEKIKAWA	JPN	2008
3:16.40	P.WERMELSKIRCHEN	GER	2009	2:42.21	SHINGO YAMAMOTO	JPN	2006	3:09.22	KEIJIRO NAKAMURA	JPN	1999
3:17.30	DAVID CUMMING	GBR	2009	2:46.17	ARAM BOGHOSSIAN	BRA	2004	3:10.00	MAMPEI SEINO	JPN	2008
3:18.59	ROBERT PFERSDORFF	GER	1995	2:47.41	HIROSHI YOSHIMURA	JPN	2004	3:10.22	RAYMOND TAFT	USA	1994
3:18.87	KARL-HEINZ KNOPS	GER	1995	2:47.43	FRANK PIEMME	USA	2000	3:12.53	PAUL HUTINGER	USA	2000
3:19.00	DAVE MCLACHLAN	RSA	2008	2:47.65	KIYOJI AMANO	JPN	2006	3:13.21	YOSHI OYAKAWA	USA	2008
100 M. I.M.				2:48.33	MASAYASU KAMIYA	JPN	2008	3:13.86	BOB BARRY	AUS	2006
1:14.73	JACK KELSO	CAN	2009	2:48.67	RAYMOND TAFT	USA	1994	3:14.41	HORACE KNOWLTON	USA	2004
1:15.54	BARRY YOUNG	NZL	2009	2:49.10	ROGER FRANKS	USA	2002	50 M. BRST			
1:15.92	RONALD JOHNSON	USA	2001	400 M. FREE				39.97	TOSHIO TAJIMA	JPN	2000
1:16.05	JEFF FARRELL	USA	2007	5:15.10	DAVID RADCLIFF	USA	2009	40.07	MANUEL SANGUILY	USA	2008
1:17.19	DAVE COSTILL	USA	2008	5:40.14	GRAHAM JOHNSTON	USA	2006	40.17	ROBERT PFERSDORFF	GER	1999
1:17.22	BURWELL JONES	USA	2003	5:45.47	HIROSHI YOSHIMURA	JPN	2004	40.62	JOHN KORTHEUER	USA	2006
1:18.44	WOLFRAM GOTTFRIED	GER	2001	5:50.39	BURWELL JONES	USA	2008	40.99	TSUTOMU KAJIHARA	JPN	2008
1:19.43	CHARLES BALDWIN	USA	2000	6:01.32	FRANK PIEMME	USA	2000	41.25	BURWELL JONES	USA	2009
1:19.84	HANS REICHEL	GER	2007	6:02.95	RAYMOND TAFT	USA	1995	41.55	SHUNSAKU TAKAHIRA	JPN	2008
1:19.96	IKURO SHIMONO	JPN	2008	6:04.20	KARL HAUTER	GER	2000	41.65	HIROSHI AOYAGI	JPN	2009
200 M. I.M.				6:07.86	ARAM BOGHOSSIAN	BRA	2004	42.08	NEIL HOWELL	GBR	2009
2:42.44	BARRY YOUNG	NZL	2009	6:09.54	KIYOJI AMANO	JPN	2006	42.13	ZENJI NAKAHARI	JPN	2003
2:49.43	JACK KELSO	CAN	2009	6:12.53	MASAYASU KAMIYA	JPN	2009	100 M. BRST			
2:51.73	BURWELL JONES	USA	2003	800 M. FREE				1:28.61	ROBERT PFERSDORFF	GER	1999
2:55.51	RON JOHNSON	USA	2002	10:59.10	DAVID RADCLIFF	USA	2009	1:28.72	SHUNSAKU TAKAHIRA	JPN	2007
2:55.58	GRAHAM JOHNSTON	USA	2002	11:38.56	BURWELL JONES	USA	2008	1:30.02	TSUTOMU KAJIHARA	JPN	2008
2:57.11	IKURO SHIMONO	JPN	2009	12:00.94	GRAHAM JOHNSTON	USA	2006	1:32.85	ERICH NEUMANN	GER	2005
2:57.74	JEFF FARRELL	USA	2007	12:02.87	HIROSHI YOSHIMURA	JPN	2004	1:33.20	ZENJI NAKAHARI	JPN	2006
3:00.88	JESUS DOMINGUEZ	ESP	1996	12:13.28	FRANK PIEMME	USA	2000	1:33.76	WERNER MULLER	GER	2009
3:02.07	MOTOHISA HIROSE	JPN	2008	12:36.49	JOSEF KREJCI	SUI	2009	1:34.60	KARL HAUTER	GER	2000
3:03.20	JOHN CRISP	AUS	2005	12:39.48	GIULIO DIVANO	ITA	2008	1:35.01	IWAO NARUSE	JPN	2007
400 M. I.M.				12:45.40	RAYMOND TAFT	USA	1994	1:35.02	HIROSHI AOYAGI	JPN	2009
5:48.67	BARRY YOUNG	NZL	2009	12:49.63	WERNER MULLER	GER	2009	1:35.47	TSUTOMU MORIHIRO	JPN	2008
6:21.46	BURWELL JONES	USA	2003	12:57.29	LARRY GOOD	USA	2009	200 M. BRST			
6:21.47	JACK KELSO	CAN	2009	1500 M. FREE				3:20.93	TSUTOMU KAJIHARA	JPN	2008
6:23.43	GRAHAM JOHNSTON	USA	2002	20:39.50	DAVID RADCLIFF	USA	2009	3:21.50	KARL HAUTER	GER	2000
6:25.28	IKURO SHIMONO	JPN	2009	22:27.75	GRAHAM JOHNSTON	USA	2006	3:24.84	ROBERT PFERSDORFF	GER	1999
6:38.19	DAVID CUMMING	GBR	2009	22:28.06	BURWELL JONES	USA	2008	3:26.71	SHUNSAKU TAKAHIRA	JPN	2008
6:38.98	FRANK PIEMME	USA	1995	22:52.00	HIROSHI YOSHIMURA	JPN	2003	3:28.02	ESKO SALONEN	FIN	2001
6:39.24	JOHN CRISP	AUS	2005	24:22.70	FRANK PIEMME	USA	2000	3:29.54	AL CRAIG	USA	2003
6:42.04	MOTOHISA HIROSE	JPN	2008	24:46.19	ALDO DA ROSA	USA	1993	3:30.52	FRANK PIEMME	USA	2000
6:42.06	EWALD BASTEK	POL	2009	24:47.25	THOMAS TAYLOR	USA	2006	3:31.55	ERIVALDO LIMA	BRA	2008
*****				25:04.92	LARRY GOOD	USA	2009	3:32.66	ERICH NEUMANN	GER	2005
M E N 75-79				25:23.20	GIULIO DIVANO	ITA	2008	3:34.14	TSUTOMU MORIHIRO	JPN	2008
*****				25:23.92	RAYMOND TAFT	USA	1994	50 M. FLY			
50 M. FREE				50 M. BACK				33.27	ARAM BOGHOSSIAN	BRA	2004
30.15	DAVID RADCLIFF	USA	2009	35.51	YOSHI OYAKAWA	USA	2008	34.53	JEAN LE DALL	FRA	2008
31.06	FRANK PIEMME	USA	2001	35.93	BURWELL JONES	USA	2009	34.83	FRANK PIEMME	USA	2000
31.08	BURWELL JONES	USA	2009	36.58	S.SEKIKAWA	JPN	2008	35.80	CLARKE MITCHELL	USA	2007
31.31	SHINGO YAMAMOTO	JPN	2009	36.68	CLARKE MITCHELL	USA	2007	35.84	BURWELL JONES	USA	2009
31.40	ANDERS SODERQVIST	SWE	2008	37.47	KEIJIRO NAKAMURA	JPN	1998	36.24	TAKASHI HAYASHI	JPN	2009
31.64	ALDO EMINENTE	FRA	2006	38.38	PAUL HUTINGER	USA	1999	36.42	MASAYASU KAMIYA	JPN	2007
32.00	RUDI VAN ESS	GER	2008	38.83	JACK HALE	GBR	1997	36.88	TAMON YOSHIDA	JPN	2001
32.03	JAMES ZURCHER	USA	2009	39.01	MAMPEI SEINO	JPN	2008	37.18	ROBERT PFERSDORFF	GER	1999
32.09	KEIJIRO NAKAMURA	JPN	1999	39.14	GORO TANIGUCHI	JPN	1997	37.32	ASHLEY JONES	USA	2006
32.14	WOLFRAM GOTTFRIED	GER	2008	39.83	RAYMOND TAFT	USA	1994	100 M. FLY			
100 M. FREE				100 M. BACK				1:24.38	TAKASHI HAYASHI	JPN	2009
1:05.13	DAVID RADCLIFF	USA	2009	1:18.47	BURWELL JONES	USA	2009	1:27.25	GIULIO DIVANO	ITA	2009
1:08.90	BURWELL JONES	USA	2009	1:20.16	YOSHI OYAKAWA	USA	2008	1:30.09	MASAYASU KAMIYA	JPN	2007
1:10.71	SHINGO YAMAMOTO	JPN	2006	1:20.66	S.SEKIKAWA	JPN	2009	1:32.07	ROBERT PFERSDORFF	GER	2000
1:11.53	GRAHAM JOHNSTON	USA	2007	1:23.81	CLARKE MITCHELL	USA	2007	1:32.31	RON JOHNSON	USA	2006
1:11.55	FRANK PIEMME	USA	2000	1:24.21	KEIJIRO NAKAMURA	JPN	1998	1:32.41	KARL HAUTER	GER	2001
1:11.74	JAMES ZURCHER	USA	2009	1:25.13	PAUL HUTINGER	USA	2000	1:33.15	HEINZ KRAUSS	GER	2007
1:12.98	EDWARD BREISACHER	USA	2007	1:25.22	ROGER FRANKS	USA	2002	1:34.76	ERIVALDO LIMA	BRA	2008
1:13.12	WOLFRAM GOTTFRIED	GER	2008	1:26.10	MAMPEI SEINO	JPN	2007	1:35.31	ASHLEY JONES	USA	2007
1:13.35	JACK HALE	GBR	1997	1:26.40	JACK HALE	GBR	1997	1:35.41	FRANK PIEMME	USA	2000
1:13.47	RAYMOND TAFT	USA	1995	1:27.41	RAYMOND TAFT	USA	1994	200 M. FLY			
200 M. FREE				200 M. BACK				3:16.99	TAKASHI HAYASHI	JPN	2009
				2:49.20	BURWELL JONES	USA	2009	3:26.72	ROBERT PFERSDORFF	GER	1999



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3:27.58	KARL HAUTER	GER	2001	200 M. FREE	3:10.06	KEIJIRO NAKAMURA	JPN	2003		
3:29.00	ERIVALDO LIMA	BRA	2008	2:58.32 HIROSHI YOSHIMURA	JPN	2008	3:23.73	RAY TAFT	USA	1999
3:31.23	MAURICE LUSIEN	FRA	2001	3:00.21 KARL HAUTER	GER	2005	3:25.46	ROGER FRANKS	USA	2007
3:39.51	THOMAS MAINE	USA	2002	3:00.63 RAYMOND TAFT	USA	1999	3:32.87	KARL HAUTER	GER	2005
3:42.68	TOSHIMASA MINAMI	JPN	2005	3:00.86 FRANK PIEMME	USA	2005	3:33.60	JAN ZIEGLER	CZE	2006
3:42.73	GIULIO DIVANO	ITA	2009	3:01.42 HIKOJI UEKI	JPN	1995	3:33.91	EDWARD SHEA	USA	1994
3:42.99	MINORU NAGASHIMA	JPN	2001	3:01.91 TOSHIO SHIMIZU	JPN	2007	3:37.37	HORACE KNOWLTON	USA	2009
3:45.50	HEINZ KRAUSS	GER	2007	3:07.37 JIRO KOBAYASHI	JPN	2005	3:39.12	PAUL HUTINGER	USA	2004
	100 M. I.M.			3:08.74 DAVID LAWLER	AUS	2009	3:40.02	G.SHIMOMOTO	JPN	2007
1:18.80	BURWELL JONES	USA	2009	3:08.98 JAN ZIEGLER	CZE	2006	3:40.75	C.SCHERER	GER	1995
1:24.42	FRANK PIEMME	USA	2000	3:09.57 KEVIN VICKERY	AUS	2003	50 M. BRST			
1:24.71	DAVID RADCLIFF	USA	2009	400 M. FREE			41.42	TOSHIO TAJIMA	JPN	2005
1:24.76	JAMES ZURCHER	USA	2009	6:20.10 HIROSHI YOSHIMURA	JPN	2008	43.64	ZENJI NAKAHARI	JPN	2008
1:25.36	KARL HAUTER	GER	2000	6:27.60 RAY TAFT	USA	1999	43.99	Y.KAWABATA	JPN	2006
1:25.68	MASAYASU KAMIYA	JPN	2007	6:30.21 KARL HAUTER	GER	2006	44.56	Y.MIYAMOTO	JPN	1997
1:26.50	TSUTOMU KAJIHARA	JPN	2008	6:35.25 TOSHIO SHIMIZU	JPN	2007	44.93	GERHARD GIERA	GER	2008
1:26.87	CLARKE MITCHELL	USA	2008	6:38.17 JAN ZIEGLER	CZE	2005	44.97	KARL HAUTER	GER	2008
1:27.24	BOB BEST	USA	2007	6:38.23 FRANK PIEMME	USA	2005	45.13	HORST FRITSCHKE	GER	2006
1:27.43	RAYMOND TAFT	USA	1994	6:45.01 D.CASOLINO	ITA	2008	45.39	CHARLES URSTADT	USA	2008
	200 M. I.M.			6:47.71 JURGEN SCHMIDT	USA	2005	45.40	MAX VON ISSER	USA	1999
2:59.26	BURWELL JONES	USA	2009	6:54.21 RYUJI FUJIKAWA	JPN	1998	45.52	WATARU ASAOKA	JPN	2005
3:10.06	KARL HAUTER	GER	2000	6:55.19 ALDO DA ROSA	USA	1998	45.52	KARL WITTENBERG	GER	1990
3:10.46	JAMES ZURCHER	USA	2009	800 M. FREE			100 M. BRST			
3:15.45	GIULIO DIVANO	ITA	2009	12:50.97 HIROSHI YOSHIMURA	JPN	2008	1:35.96	ZENJI NAKAHARI	JPN	2008
3:16.44	FRANK PIEMME	USA	2000	13:29.27 RAYMOND TAFT	USA	1999	1:36.91	KARL HAUTER	GER	2005
3:18.23	HORST KESTENER	BRA	2009	13:34.55 KARL HAUTER	GER	2007	1:39.85	TOSHIO TAJIMA	JPN	2005
3:19.32	BOB BEST	USA	2007	13:41.19 FRANK PIEMME	USA	2005	1:42.05	FRANK PIEMME	USA	2005
3:20.29	GRAHAM JOHNSTON	USA	2006	14:05.05 JURGEN SCHMIDT	USA	2003	1:43.54	MAX VON ISSER	USA	1999
3:20.35	RAYMOND TAFT	USA	1994	14:35.51 NILS KLING	SWE	2004	1:43.70	JAN ZIEGLER	CZE	2006
3:21.16	MASAYASU KAMIYA	JPN	2008	14:36.00 KEVIN VICKERY	AUS	2003	1:43.91	Y.MIYAMOTO	JPN	1997
	400 M. I.M.			14:37.33 HIROSHI IMAIZUMI	JPN	2005	1:45.09	ALDO DA ROSA	USA	1998
6:33.87	BURWELL JONES	USA	2009	14:39.58 HARVEY PROSSER	USA	2008	1:45.51	BARTON GREENBERG	USA	2004
6:52.62	KARL HAUTER	GER	2001	14:46.09 NORBERT ARTUS	CAN	1997	1:45.68	ROBERT MACDONALD	USA	2009
6:59.68	FRANK PIEMME	USA	2000	1500 M. FREE			200 M. BRST			
7:07.64	GRAHAM JOHNSTON	USA	2006	25:18.69 HIROSHI YOSHIMURA	JPN	2009	3:34.21	ZENJI NAKAHARI	JPN	2008
7:08.17	GIULIO DIVANO	ITA	2008	25:35.01 RAY TAFT	USA	1999	3:40.73	KARL HAUTER	GER	2005
7:08.53	RAYMOND TAFT	USA	1994	26:41.69 ALDO DA ROSA	USA	1998	3:45.57	ROBERT MACDONALD	USA	2009
7:17.67	BOB BEST	USA	2007	27:03.64 JURGEN SCHMIDT	USA	2005	3:47.50	JAN ZIEGLER	CZE	2006
7:20.86	ALDO V DA ROSA	USA	1992	27:33.01 ROBERT JOHNSTON	USA	1997	3:47.87	FRANK PIEMME	USA	2005
7:22.73	FRANK TANNER	USA	2008	27:33.43 HIROSHI IMAIZUMI	JPN	2005	3:50.86	MAX VAN GELDER	NED	2004
7:31.50	JAN ZIEGLER	CZE	2001	27:39.31 IRWIN STOLZ	USA	2009	3:56.33	ISAO FUNAMOTO	JPN	2002
				27:56.50 LEE ARTH	USA	2005	3:56.35	ROLF STELLRECHT	GER	2008
				28:07.58 RYUJI FUJIKAWA	JPN	1999	3:57.72	FERNANDO NAJERA	MEX	2003
				28:21.48 NORBERT ARTUS	CAN	1997	3:58.96	ALDO DA ROSA	USA	1998
	M E N 80-84			50 M. BACK			50 M. FLY			
				38.26 KEIJIRO NAKAMURA	JPN	2003	40.24	FRANK PIEMME	USA	2005
				41.31 SHOICHI SHIDA	JPN	2006	40.25	TOSHIO TAJIMA	JPN	2005
				41.58 PAUL HUTINGER	USA	2004	40.40	TAMON YOSHIDA	JPN	2007
				42.11 DALE WEBSTER	USA	2006	41.87	ANDREW HOLDEN	USA	1999
				42.16 SHOICHI SAKAMOTO	JPN	1998	42.14	MAX VON ISSER	USA	1999
				42.96 RAY TAFT	USA	1999	42.50	JAN ZIEGLER	CZE	2005
				43.34 HORACE KNOWLTON	USA	2009	42.66	SILVANO DANIELI	ITA	2008
				43.66 WILLIAM ROWE	USA	1997	43.81	SUEO YAMAGUCHI	JPN	2009
				43.71 OTTO CLAUS	GER	1995	44.75	Y.MIYAMOTO	JPN	1997
				43.92 EDWARD SHEA	USA	1994	44.83	GERHARD GIERA	GER	2008
				100 M. BACK			100 M. FLY			
	100 M. FREE			1:25.77 KEIJIRO NAKAMURA	JPN	2003	1:36.53	KARL HAUTER	GER	2005
1:16.09	KEIJIRO NAKAMURA	JPN	2003	1:33.27 PAUL HUTINGER	USA	2004	1:41.82	JAN ZIEGLER	CZE	2005
1:16.30	SHOICHI SHIDA	JPN	2006	1:33.58 RAY TAFT	USA	1999	1:43.20	MAX VAN GELDER	NED	2004
1:17.02	FRANK PIEMME	USA	2005	1:34.16 ROGER FRANKS	USA	2007	1:44.29	THOMAS MAINE	USA	2007
1:18.67	B.SCHLURIKE	GER	2002	1:35.25 JAN ZIEGLER	CZE	2005	1:46.68	SILVANO DANIELI	ITA	2008
1:18.80	HIKOJI UEKI	JPN	1995	1:36.10 HORACE KNOWLTON	USA	2009	1:47.17	FRANK PIEMME	USA	2005
1:19.03	ROD BAKER	AUS	2008	1:36.13 KARL HAUTER	GER	2006	1:48.41	MINORU NAGASHIMA	JPN	2006
1:20.22	RODNEY BAKER	AUS	2009	1:36.41 ALDO DA ROSA	USA	1998	1:50.39	ANTON CERER	USA	1997
1:20.44	TOSHIO SHIMIZU	JPN	2007	1:37.17 EDWARD SHEA	USA	1994	1:52.51	WALT PFEIFFER	USA	1994
1:20.65	WOODROW BOWERSOCK	USA	1993	1:38.01 DALE WEBSTER	USA	2006	1:53.80	RAYMOND TAFT	USA	1999
1:20.97	KARL HAUTER	GER	2005	200 M. BACK			200 M. FLY			



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3:52.41	THOMAS MAINE	USA	2007	1:35.00	ISAMU TAMURA	JPN	2005	1:51.74	PAUL HUTINGER	USA	2009
4:00.64	ANTON CERER	USA	1997	1:35.43	ALDO DA ROSA	USA	2002	1:52.69	H.REITEMEYER	GER	2006
4:17.12	PAUL KRUP	USA	1997	200 M. FREE				200 M. BACK			
4:17.29	MINORU NAGASHIMA	JPN	2006	3:12.85	WILLARD LAMB	USA	2007	3:18.29	KEIJIRO NAKAMURA	JPN	2008
4:18.70	HIRONARI UEDA	JPN	2002	3:13.45	JIM EUBANK	USA	2000	3:37.45	GORO KOBAYASHI	JPN	2002
4:20.52	KARL HAUTER	GER	2008	3:15.87	HIKOJI UEKI	JPN	2000	3:55.12	WILLARD LAMB	USA	2008
4:25.99	WALTER PFEIFFER	USA	1994	3:26.81	JURGEN SCHMIDT	USA	2009	4:00.80	ALDO DA ROSA	USA	2002
4:37.61	PAUL HUTINGER	USA	2005	3:29.01	TOKUSHI KOMEDA	JPN	2000	4:02.65	RYUJI FUJIKAWA	JPN	2002
4:44.45	LEE ARTH	USA	2005	3:39.35	SABURO IWASAKI	JPN	2001	4:05.07	JOHN MERRILL	USA	2005
4:50.00	JACQUES AMYOT	CAN	2004	3:42.64	STEVE CARLSON	USA	2006	4:05.25	C.SCHERER	GER	1999
100 M. I.M.				3:43.53	RYUJI FUJIKAWA	JPN	2003	4:06.86	EDWARD SHEA	USA	2000
1:30.18	ZENJI NAKAHARI	JPN	2008	3:43.55	KISABURO WADA	JPN	2002	4:09.25	NILS FERM	SWE	2003
1:31.77	SHOICHI SHIDA	JPN	2006	3:44.09	R.REINSTADTLER	GER	1997	4:09.66	R.REINSTADTLER	GER	1999
1:32.25	KARL HAUTER	GER	2005	400 M. FREE				50 M. BRST			
1:32.65	FRANK PIEMME	USA	2005	7:13.19	WILLARD LAMB	USA	2009	47.70	Y.MIYAMOTO	JPN	2002
1:33.50	JAN ZIEGLER	CZE	2006	7:19.94	JIM EUBANK	USA	2000	48.82	HIROMU YOSHIMOTO	JPN	2000
1:35.31	RAY TAFT	USA	1999	7:24.82	JURGEN SCHMIDT	USA	2008	50.04	SEIJI TAKAHASHI	JPN	2000
1:35.41	W MORGAN BYERS	USA	2009	7:27.29	TOKUSHI KOMEDA	JPN	1999	50.25	R.REINSTADTLER	GER	2000
1:35.60	MAX VAN GELDER	NED	2004	7:47.75	ALDO DA ROSA	USA	2002	50.44	WALTER MINNICH	GER	2004
1:38.31	ALDO DA ROSA	USA	1998	7:49.70	RYUJI FUJIKAWA	JPN	2002	50.69	H.REITEMEYER	GER	2006
1:38.56	ANDREW HOLDEN	USA	1999	7:54.24	GUS LANGNER	USA	1988	50.99	PAUL KRUP	USA	2002
200 M. I.M.				7:58.36	NILS FERM	SWE	2002	51.17	KARL WITTENBERG	GER	1995
3:26.48	KARL HAUTER	GER	2006	8:04.16	HIROSHI SAIGO	JPN	2001	51.54	MAX VON ISSER	USA	2004
3:37.04	RAYMOND TAFT	USA	1999	8:10.74	ARTHUR THOMAS	AUS	2004	52.09	LUDWIG GEBURZI	GER	2006
3:39.84	ALDO DA ROSA	USA	1998	800 M. FREE				100 M. BRST			
3:42.99	FRANK PIEMME	USA	2008	14:04.48	WILLARD LAMB	USA	2008	1:50.32	HIROMU YOSHIMOTO	JPN	2000
3:44.29	THOMAS MAINE	USA	2005	15:03.26	JURGEN SCHMIDT	USA	2008	1:56.21	ALDO DA ROSA	USA	2002
3:46.96	ANTON CERER	USA	1997	15:15.68	JIM EUBANK	USA	2000	1:59.82	Y.MIYAMOTO	JPN	2002
3:47.85	ROLF STELLRECHT	GER	2008	16:19.95	TOKUSHI KOMEDA	JPN	1999	2:00.02	H.REITEMEYER	GER	2006
3:49.25	YUJI SUZUKI	JPN	2009	16:28.13	HAROLD DODD	GBR	2001	2:01.87	LUDWIG GEBURZI	GER	2006
3:50.06	HIROSHI IMAIZUMI	JPN	2005	16:35.66	DICK GUIDO	USA	2002	2:03.83	MAX VON ISSER	USA	2004
3:50.55	WOODROW BOWERSOCK	USA	1994	16:38.41	NILS FERM	SWE	2003	2:04.45	PAUL KRUP	USA	2002
400 M. I.M.				16:53.90	GUS LANGNER	USA	1988	2:04.70	TAKESHI YASUKAWA	JPN	2008
7:26.06	KARL HAUTER	GER	2005	16:53.91	RYUJI FUJIKAWA	JPN	2002	2:04.71	SEIJI TAKAHASHI	JPN	2000
7:37.58	RAY TAFT	USA	1999	17:27.60	JAMES DETAR	BRA	2009	2:06.89	GIORDANO RAGGI	ITA	1999
7:49.23	FRANK PIEMME	USA	2005	1500 M. FREE				200 M. BRST			
7:53.88	ALDO DA ROSA	USA	1998	28:17.36	WILLARD LAMB	USA	2008	4:16.20	ALDO DA ROSA	USA	2002
7:55.53	THOMAS MAINE	USA	2007	29:16.62	JURGEN SCHMIDT	USA	2008	4:20.43	HIROMU YOSHIMOTO	JPN	2001
8:00.81	ANTON CERER	USA	1997	29:55.69	JIM EUBANK	USA	2000	4:28.38	Y.MIYAMOTO	JPN	2002
8:33.86	JURGEN SCHMIDT	USA	2003	30:31.85	TOKUSHI KOMEDA	JPN	1999	4:33.70	FERNANDO NAJERA	MEX	2009
8:34.45	WALTER PFEIFFER	USA	1994	31:05.09	RYUJI FUJIKAWA	JPN	2002	4:36.88	PAUL KRUP	USA	2002
8:36.45	TED ROACH	CAN	2005	32:11.96	HAROLD DODD	GBR	2004	4:40.49	H.REITEMEYER	GER	2008
8:38.45	JACQUES AMYOT	CAN	2004	32:20.20	GUS LANGNER	USA	1988	4:41.35	JACQUES AMYOT	CAN	2009
				32:43.03	NILS FERM	SWE	2003	4:44.32	WALT PFEIFFER	USA	1998
*****				33:50.15	ARTHUR THOMAS	AUS	2002	4:45.69	GIORDANO RAGGI	ITA	1999
M E N 85-89				34:02.37	RICHARD SMITH	USA	2005	4:49.45	ALFRED SCHULHOF	CAN	2004
*****				50 M. BACK				50 M. FLY			
50 M. FREE				40.59	KEIJIRO NAKAMURA	JPN	2009	43.35	MAX VON ISSER	USA	2004
34.54	KEIJIRO NAKAMURA	JPN	2008	43.80	GORO KOBAYASHI	JPN	2001	47.89	ANDREW HOLDEN	USA	2004
36.51	WILLARD LAMB	USA	2007	46.08	TOSHIJI SATO	JPN	2000	50.51	Y.MIYAMOTO	JPN	2002
36.61	JIM EUBANK	USA	2000	46.35	SHOICHI SAKAMOTO	JPN	2003	52.74	WALT PFEIFFER	USA	1998
37.08	SHOICHI SAKAMOTO	JPN	2003	47.17	R.REINSTADTLER	GER	1997	53.00	PAUL KRUP	USA	2004
37.16	WOODROW BOWERSOCK	USA	1998	47.34	ALDO DA ROSA	USA	2002	53.41	LUDWIG GEBURZI	GER	2006
37.85	ANDREW HOLDEN	USA	2004	48.08	WILLARD LAMB	USA	2008	54.15	PAUL HUTINGER	USA	2009
37.96	WILLIAM JOHNSTON	USA	2003	48.79	EDWARD SHEA	USA	1999	54.74	ALDO DA ROSA	USA	2002
38.46	ROGER HALIMI	FRA	2007	49.24	ANDREW HOLDEN	USA	2004	55.16	BRUNO HAMPEL	GER	2009
38.52	GORO KOBAYASHI	JPN	2002	49.75	PAUL HUTINGER	USA	2009	56.72	KAKUICHI YANAGAWA	JPN	2006
38.82	R.REINSTADTLER	GER	1997	49.75	C.SCHERER	GER	1999	100 M. FLY			
100 M. FREE				100 M. BACK				2:01.65	ANDREW HOLDEN	USA	2004
1:19.42	KEIJIRO NAKAMURA	JPN	2008	1:28.98	KEIJIRO NAKAMURA	JPN	2008	2:04.50	WALT PFEIFFER	USA	1998
1:23.20	JIM EUBANK	USA	2000	1:39.08	GORO KOBAYASHI	JPN	2002	2:13.39	ALDO DA ROSA	USA	2002
1:25.28	WILLARD LAMB	USA	2007	1:40.25	TOSHIJI SATO	JPN	2000	2:15.51	LUDWIG GEBURZI	GER	2007
1:27.00	HIKOJI UEKI	JPN	2000	1:47.93	WILLARD LAMB	USA	2009	2:15.74	PAUL KRUP	USA	2003
1:29.62	WOODY BOWERSOCK	USA	1998	1:48.79	ALDO DA ROSA	USA	2002	2:17.41	PAUL HUTINGER	USA	2009
1:29.92	GORO KOBAYASHI	JPN	2003	1:48.95	EDWARD SHEA	USA	1999	2:23.30	R.REINSTADTLER	GER	1997
1:34.08	TOKUSHI KOMEDA	JPN	2000	1:50.96	R.REINSTEDTLER	GER	2000	2:25.92	ALDO CAPUTI	ITA	2003
1:34.55	ARTHUR THOMAS	AUS	2002	1:51.57	KAITZO WATANABE	JPN	2008	2:46.79	HIRONARI UEDA	JPN	2006



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2:28.43 KAKUICHI YANAGAWA JPN 2006	1:51.96 HEINZ SIEGEL GER 2004	2:15.04 TOM HAVER USA 2008
200 M. FLY	1:54.87 R.REINSTADTLER GER 2002	2:16.46 FRED SCHULHOF CAN 2009
4:49.10 WALT PFEIFFER USA 1998	1:56.86 ARTHUR THOMAS AUS 2007	200 M. BACK
5:01.50 PAUL KRUP USA 2002	1:56.88 GASTAO FIGUEIREDO BRA 2000	3:59.25 GORO KOBAYASHI JPN 2007
5:15.25 PAUL HUTINGER USA 2009	200 M. FREE	4:20.68 R.REINSTADTLER GER 2002
5:29.72 DON LEADER GBR 2009	3:39.65 TOKUSHI KOMEDA JPN 2004	4:25.14 JOHN MERRILL USA 2007
5:33.83 HIRONARI UEDA JPN 2006	3:48.53 GORO KOBAYASHI JPN 2007	4:29.54 NILS FERM SWE 2007
6:10.72 WILLIAM JOHNSTON USA 2003	3:59.28 WOODY BOWERSOCK USA 2003	4:47.45 WOODY BOWERSOCK USA 2003
6:33.38 BOB DOUD USA 2009	4:03.31 STEVE CARLSON USA 2009	4:56.91 GASTAO FIGUEIREDO BRA 2000
7:59.16 JAY CHARLES USA 2007	4:20.43 GASTAO FIGUEIREDO BRA 2000	5:00.38 JOHN HARRISON GBR 2004
8:26.16 ROY BODINE USA 1997	4:23.15 MASAHISA KANEKO JPN 2003	5:04.71 TOM HAVER USA 2008
10:06.25 CASPAR HAUPT CAN 2008	4:26.25 ARTHUR THOMAS AUS 2007	5:10.76 FRED SCHULHOF CAN 2009
100 M. I.M.	4:27.02 NILS FERM SWE 2007	5:13.55 HUGH MCGREGOR CAN 2009
1:32.47 HEINZ SIEGEL GER 2003	4:27.70 GUS LANGNER USA 1993	50 M. BRST
1:48.23 ANDREW HOLDEN USA 2004	4:41.18 L GENE CROSSET USA 2003	53.23 HEINZ JAHR GER 1997
1:55.20 LUDWIG GEBURZI GER 2006	400 M. FREE	55.68 HIROMU YOSHIMOTO JPN 2005
1:55.35 MAX VON ISSER USA 2004	8:50.65 GUS LANGNER USA 1993	58.72 ISAMU TAMURA JPN 2009
1:56.26 R.REINSTADTLER GER 1997	8:52.99 STEVE CARLSON USA 2009	1:00.00 JOHN HARRISON GBR 2006
1:56.30 JURGEN SCHMIDT USA 2008	9:05.71 JOHN MERRILL USA 2007	1:01.52 FRED SCHULHOF CAN 2009
1:59.34 ISAMU TAMURA JPN 2004	9:16.99 NILS FERM SWE 2007	1:02.37 ALDO CAPUTI ITA 2005
1:59.79 G EDWARD RUDLOFF USA 2008	9:23.13 AUSTIN NEWMAN USA 2005	1:02.62 GEORGE CORONES AUS 2008
2:01.14 TOKUSHI KOMEDA JPN 2001	9:34.51 TOKUSHI KOMEDA JPN 2006	1:03.85 R.REINSTADTLER GER 2002
2:06.07 M.FUKUSHIMA JPN 2001	9:37.35 WOODY BOWERSOCK USA 2003	1:04.67 HEINZ SIEGEL GER 2004
200 M. I.M.	9:41.12 R.REINSTADTLER GER 2003	1:05.61 HANS PAUL GER 1998
4:07.59 ALDO DA ROSA USA 2002	9:47.46 JIM TRIOLO USA 2004	100 M. BRST
4:19.20 ANDREW HOLDEN USA 2004	10:02.86 JOHN HARRISON GBR 2004	2:15.14 HIROMU YOSHIMOTO JPN 2005
4:24.58 WALT PFEIFFER USA 1998	800 M. FREE	2:23.92 RUSS WITTE USA 2008
4:32.34 JURGEN SCHMIDT USA 2008	18:36.25 NILS FERM SWE 2008	2:32.87 MASAHISA KANEKO JPN 2002
4:34.43 G EDWARD RUDLOFF USA 2009	18:49.01 AUSTIN NEWMAN USA 2005	2:33.12 GEORGE CORONES AUS 2008
4:40.84 JACQUES AMYOT CAN 2009	19:31.83 WOODY BOWERSOCK USA 2003	2:34.91 FRED SCHULHOF CAN 2009
4:42.38 TOKUSHI KOMEDA JPN 1999	20:33.27 HUGH MCGREGOR CAN 2009	2:45.20 JIM PENFIELD USA 1998
4:48.88 DON LEADER GBR 2009	20:48.59 JOHN HARRISON GBR 2004	2:46.31 WALT PFEIFFER USA 2003
4:51.91 WILLIAM JOHNSTON USA 2003	22:07.71 JOHN BRICE AUS 2009	2:49.83 ROMAN JEZEK CAN 2004
4:56.70 HIRONARI UEDA JPN 2006	23:32.20 GUS LANGNER USA 1998	2:49.96 JIM PANTON CAN 2004
400 M. I.M.	25:36.41 EUGENE LEHMAN CAN 2004	2:54.08 DERRICK DAVEY GBR 2004
9:32.65 WALT PFEIFFER USA 1998	26:55.55 ROMAN JEZEK CAN 2004	200 M. BRST
9:36.09 ANDREW HOLDEN USA 2004	27:22.19 HOWARD HOLMES NZL 2007	4:59.71 HIROMU YOSHIMOTO JPN 2005
9:48.58 JURGEN SCHMIDT USA 2008	1500 M. FREE	5:32.73 GEORGE CORONES AUS 2009
10:13.47 DON LEADER GBR 2009	35:20.36 AUSTIN NEWMAN USA 2005	5:35.74 MASAHISA KANEKO JPN 2003
10:26.11 HIRONARI UEDA JPN 2006	38:17.40 NILS FERM SWE 2007	5:44.96 RUSS WITTE USA 2008
10:47.13 HERB EISENSCHMIDT USA 1991	38:53.33 HUGH MCGREGOR CAN 2009	5:58.17 WALT PFEIFFER USA 2003
11:07.74 WILLIAM JOHNSTON USA 2003	39:33.78 WOODY BOWERSOCK USA 2004	6:05.47 FRED SCHULHOF CAN 2009
11:48.29 TOM MC CALL USA 2007	40:43.49 JOHN HARRISON GBR 2004	6:06.92 ROMAN JEZEK CAN 2004
12:21.27 JAY CHARLES USA 2007	42:51.20 JOHN BRICE AUS 2009	6:11.93 ALDO CAPUTI ITA 2005
12:53.77 DON MCCULLOUGH USA 2001	44:48.99 GUS LANGNER USA 1996	6:22.73 JIM PANTON CAN 2004
*****	47:19.71 EUGENE LEHMAN CAN 2004	6:41.56 GUS LANGNER USA 1994
M E N 90-94	51:43.20 PAUL E. SPANGLER USA 1990	50 M. FLY
*****	50 M. BACK	56.09 WALT PFEIFFER USA 2003
50 M. FREE	52.49 GORO KOBAYASHI JPN 2008	1:00.50 HEINZ JAHR GER 1997
41.07 WOODY BOWERSOCK USA 2003	53.24 R.REINSTADTLER GER 2002	1:07.00 ALDO CAPUTI ITA 2005
42.60 GORO KOBAYASHI JPN 2006	53.32 TOSHIJI SATO JPN 2005	1:08.25 R.REINSTADTLER GER 2002
42.76 GEORGE CORONES AUS 2009	55.25 JOHN MERRILL USA 2007	1:09.41 HEINZ SIEGEL GER 2004
42.93 TOKUSHI KOMEDA JPN 2004	55.47 KAZUNAGA AKUTSU JPN 2003	1:22.46 NORI YAMAMOTO JPN 1999
43.89 KAZUNAGA AKUTSU JPN 2002	56.02 NILS FERM SWE 2007	1:25.02 JOHN HARRISON GBR 2004
43.91 ISAMU TAMURA JPN 2009	56.15 MASAHISA KANEKO JPN 2003	1:29.42 JIM PENFIELD USA 1998
45.03 R.REINSTADTLER GER 2002	56.58 STEVE CARLSON USA 2009	1:38.44 ROMAN JEZEK CAN 2004
45.58 STEVE CARLSON USA 2009	57.09 WOODY BOWERSOCK USA 2003	1:40.91 EUGENE LEHMAN CAN 2004
45.92 MASAHISA KANEKO JPN 2002	57.42 FRED SCHULHOF CAN 2009	100 M. FLY
46.23 MASAO UEDA JPN 2002	100 M. BACK	2:21.82 WALT PFEIFFER USA 2003
100 M. FREE	1:47.66 GORO KOBAYASHI JPN 2006	2:41.14 ALDO CAPUTI ITA 2005
1:39.26 WOODY BOWERSOCK USA 2003	1:58.27 TOSHIJI SATO JPN 2005	4:25.80 EUGENE LEHMAN CAN 2003
1:41.47 TOKUSHI KOMEDA JPN 2004	2:00.03 JOHN MERRILL USA 2007	4:50.20 BILL REEDER USA 2001
1:45.28 GORO KOBAYASHI JPN 2007	2:00.25 R.REINSTADTLER GER 2002	200 M. FLY
1:45.44 GEORGE CORONES AUS 2009	2:05.76 NILS FERM SWE 2009	5:37.23 WALT PFEIFFER USA 2003
1:47.51 MASAHISA KANEKO JPN 2002	2:06.00 WOODY BOWERSOCK USA 2003	9:14.77 EUGENE LEHMAN CAN 2003
1:47.70 STEVE CARLSON USA 2009	2:09.05 MASAHISA KANEKO JPN 2003	100 M. I.M.
	2:10.00 JOHN HARRISON GBR 2006	2:08.86 TOKUSHI KOMEDA JPN 2004



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2:14.23	WALT PFEIFFER	USA	2003	1:32.01	MARTIN SCHMIDT	GER	2008
2:16.67	R.REINSTADTLER	GER	2002	1:32.07	RYUZO KADONO	JPN	2009
2:18.93	ALDO CAPUTI	ITA	2005	1:33.27	ALFREDO CHERCHI	AUS	2002
2:24.64	HEINZ SIEGEL	GER	2004	100 M. BACK			
2:28.50	WOODY BOWERSOCK	USA	2003	2:23.12	KAZUNAGA AKUTSU	JPN	2007
2:32.79	NORI YAMAMOTO	JPN	2000	2:46.68	JOHN HARRISON	GBR	2009
2:41.51	RUSS WITTE	USA	2008	2:59.76	JEAN LEEMPUT	FRA	2009
2:49.39	JOHN HARRISON	GBR	2004	3:05.23	NORI YAMAMOTO	JPN	2005
3:00.53	GUS LANGNER	USA	1994	3:21.49	ROMAN JEZEK	CAN	2009
200 M. I.M.				3:38.07	GUS LANGNER	USA	1998
5:13.24	WALT PFEIFFER	USA	2003	3:59.38	ALFREDO CHERCHI	AUS	2002
6:10.00	JOHN HARRISON	GBR	2004	4:00.58	HANS HAHN	GER	2004
7:18.74	ROMAN JEZEK	CAN	2004	4:27.89	BILL REEDER	USA	2005
7:32.22	EUGENE LEHMAN	CAN	2004	200 M. BACK			
8:43.21	BILL REEDER	USA	2001	6:18.51	JOHN HARRISON	GBR	2009
400 M. I.M.				7:01.87	ALFREDO CHERCHI	AUS	2002
11:15.65	WALT PFEIFFER	USA	2003	8:32.34	GUS LANGNER	USA	1998
15:45.53	EUGENE LEHMAN	CAN	2003	9:31.21	BILL REEDER	USA	2005
17:59.19	BILL REEDER	USA	2000	50 M. BRST			
*****				1:22.80	KAZUNAGA AKUTSU	JPN	2007
M E N 95-99				1:31.50	ROMAN JEZEK	CAN	2009
*****				1:31.60	GUS LANGNER	USA	1998
50 M. FREE				1:47.18	MARTIN SCHMIDT	GER	2007
55.08	KAZUNAGA AKUTSU	JPN	2007	2:58.58	EUGENE LEHMAN	CAN	2008
57.57	GUS LANGNER	USA	1998	3:07.96	BILL REEDER	USA	2005
1:00.40	R.REINSTADTLER	GER	2007	100 M. BRST			
1:01.65	GERSON SOBEL	USA	2005	3:24.92	ROMAN JEZEK	CAN	2009
1:02.43	MASAO UEDA	JPN	2007	3:35.33	GUS LANGNER	USA	1998
1:06.95	JARING TIMMERMAN	CAN	2004	200 M. BRST			
1:10.32	ALFREDO CHERCHI	AUS	2002	7:29.31	GUS LANGNER	USA	1998
1:12.53	JOHN HARRISON	GBR	2009	8:00.06	ROMAN JEZEK	CAN	2009
1:16.34	ROMAN JEZEK	CAN	2009	50 M. FLY			
1:18.86	JEAN LEEMPUT	FRA	2009	3:02.06	EUGENE LEHMAN	CAN	2008
100 M. FREE				100 M. FLY			
2:09.32	KAZUNAGA AKUTSU	JPN	2007	6:04.41	WALTER PFEIFFER	USA	2008
2:19.51	GUS LANGNER	USA	1998	100 M. I.M.			
2:31.62	JARING TIMMERMAN	CAN	2004	3:33.98	GUS LANGNER	USA	1998
2:43.76	JOHN HARRISON	GBR	2009	5:45.94	BILL REEDER	USA	2005
3:06.54	R.REINSTADTLER	GER	2007	200 M. I.M.			
3:21.49	ROMAN JEZEK	CAN	2009	9:50.55	WALTER PFEIFFER	USA	2008
4:05.43	EUGENE LEHMAN	CAN	2008	400 M. I.M.			
4:35.89	JEAN STORZ	FRA	2009	21:03.17	WALTER PFEIFFER	USA	2008
200 M. FREE				*****			
5:13.46	GUS LANGNER	USA	1998	M E N 100-104			
5:42.47	ALFREDO CHERCHI	AUS	2002	*****			
5:55.45	JOHN HARRISON	GBR	2009	50 M. FREE			
8:00.06	ROMAN JEZEK	CAN	2009	1:16.92	JARING TIMMERMAN	CAN	2009
8:12.83	EUGENE LEHMAN	CAN	2008	2:06.66	TOM LANE	USA	1995
9:40.12	JEAN STORZ	FRA	2009	2:07.41	HANS HAHN	GER	2008
400 M. FREE				100 M. FREE			
10:51.93	GUS LANGNER	USA	1998	3:02.22	JARING TIMMERMAN	CAN	2009
12:24.23	JOHN HARRISON	GBR	2009	4:32.29	TOM LANE	USA	1995
16:31.48	EUGENE LEHMAN	CAN	2008	50 M. BACK			
800 M. FREE				1:45.59	JARING TIMMERMAN	CAN	2009
22:05.55	GUS LANGNER	USA	1998	2:02.52	TOM LANE	USA	1995
32:46.93	EUGENE LEHMAN	CAN	2008	2:09.37	HANS HAHN	GER	2008
1500 M. FREE				4:17.99	NOBUO OTSUKI	JPN	2007
41:29.87	GUS LANGNER	USA	1998	100 M. BACK			
50 M. BACK				3:51.54	JARING TIMMERMAN	CAN	2009
1:01.25	KAZUNAGA AKUTSU	JPN	2007	5:01.82	HANS HAHN	GER	2008
1:10.42	NORI YAMAMOTO	JPN	2004				
1:13.45	JOHN HARRISON	GBR	2009				
1:21.47	R.REINSTADTLER	GER	2007				
1:25.49	JARING TIMMERMAN	CAN	2004				
1:26.50	ROMAN JEZEK	CAN	2009				
1:27.67	GUS LANGNER	USA	1998				