



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

*****		17:48.54	ASHLEY WHITNEY	USA	2005	27.88	NADINE ROLLAND	CAN	2004
WOMEN 25-29		50 M. BACK				28.16	SOPHIA SKOU	DEN	2004
*****		29.20	AKIKO MIZUMOTO	JPN	2006	28.35	ALEXA WHITE	GBR	2004
50 M. FREE		29.60	EMILIE JORON	FRA	2006	28.42	M.VAN DEN BRAND	NED	2006
25.42	SUMIKA KOMATSU	29.90	MICHELA VIGNOTTO	ITA	1999	28.61	JENNIFER BROOKS	USA	2003
26.07	SANDRA KAZIKOVA	30.04	KANA OHASHI	JPN	2003	28.68	SHEILA TAORMINA	USA	1996
26.13	NADINE ROLLAND	30.05	CAMILLA JOHANSSON	USA	2002	28.74	ALPONSINA IRACE	ITA	2004
26.16	ALISON TERRY	30.07	M KRIEL	RSA	1999	28.82	MUTSUMI TASHIRO	JPN	2006
26.18	SOPHIA SKOU	30.11	LIA OBERSTAR	USA	2001	28.85	ANDREA YTTRE	USA	2006
26.34	MIHO OKUHARA	30.20	FABIOLA MOLINA	BRA	2002	28.91	HITOMI MATSUDA	JPN	2004
26.53	SANDRA THIEME	30.22	NAHOMI ERIGUCHI	AUS	2004	100 M. FLY			
26.53	BECKY BICKNELL	30.32	GISELI PEREIRA	BRA	1998	1:01.33	SHEILA TAORMINA	USA	1996
26.63	MANUELA SCHUBERT	100 M. BACK				1:01.46	HITOMI MATSUDA	JPN	2005
26.63	HEATHER HAGEMAN	1:03.01	KANA OHASHI	JPN	2006	1:01.97	SOPHIA SKOU	DEN	2004
100 M. FREE		1:03.26	CAMILLA JOHANSSON	USA	2002	1:03.44	BERIT PUGGAARD	DEN	1998
56.30	SHEILA TAORMINA	1:03.33	LIA OBERSTAR	USA	2001	1:04.10	ALEXA WHITE	GBR	2004
56.96	HITOMI MATSUDA	1:03.43	EMILIE JORON	FRA	2006	1:04.29	MUTSUMI TASHIRO	JPN	2006
57.10	ALISON TERRY	1:03.50	AKIKO MIZUMOTO	JPN	2006	1:04.32	M.VAN DEN BRAND	NED	2006
57.47	BERIT PUGGAARD	1:03.77	MARION ZOLLER	GER	1995	1:04.60	CHRISSEY MILLER	USA	2002
57.65	TARA HUTT	1:03.87	GISELI PEREIRA	BRA	2001	1:04.62	JENNIFER BROOKS	USA	2003
57.72	SANDRA KAZIKOVA	1:04.05	M KRIEL	RSA	1999	1:04.90	HITOMI HAMANO	JPN	2005
57.92	DYNE BURRELL	1:04.50	BERIT PUGGAARD	DEN	1997	200 M. FLY			
58.34	PAULA AGUIAR	1:04.66	DIANE GRANER	USA	1989	2:17.13	S. PALMER-WHITE	AUS	1991
58.35	LAUREN THIES	200 M. BACK				2:17.19	HITOMI MATSUDA	JPN	2006
58.45	TAMMIE STONE	2:12.84	KANA OHASHI	JPN	2005	2:19.30	SANDRA TEMMERMAN	NED	2005
200 M. FREE		2:14.77	LIA OBERSTAR	USA	2001	2:20.82	BARBARA KEHBEIN	GER	1997
1:59.78	SHEILA TAORMINA	2:16.45	MARION ZOLLER	GER	1995	2:21.46	LIA OBERSTAR	USA	2004
2:04.59	HITOMI MATSUDA	2:17.86	JOLANDA DE ROVER	NED	1992	2:22.33	ELVIRA JONKERS	NED	2005
2:05.80	REBECCA WILLIAMS	2:18.65	CAMILLA JOHANSSON	USA	2002	2:23.30	JACKIE THOMPSON	GBR	1994
2:06.08	BARBARA KEHBEIN	2:19.05	PAMELA HANSON	USA	2004	2:23.60	CHRISSEY MILLER	USA	2002
2:06.20	HEIDI HANNENIAN	2:20.12	BIRGIT DEURING	GER	1996	2:23.60	BEATE SCHOLTYSSSEK	GER	1995
2:06.28	TARA HUTT	2:20.66	DIANE GRANER	USA	1989	2:24.19	MICHELLE BINGHAM	GBR	1998
2:06.47	DIANE GRANER	2:20.67	GISELI PEREIRA	BRA	1998	100 M. I.M.			
2:06.98	LAUREN THIES	2:20.71	SARAH LAMBERT	GBR	2006	1:03.67	HITOMI MATSUDA	JPN	2005
2:07.83	LYNN MARSHALL	50 M. BRST				1:04.77	NADINE ROLLAND	CAN	2004
2:07.93	LISA ROBINSON	32.20	TRACEY MIRANDE	USA	1995	1:05.67	WENKE HANSEN	USA	1998
400 M. FREE		32.76	HITOMI MATSUDA	JPN	2006	1:06.00	MANUELA NACKEL	GER	1999
4:24.18	SHEILA TAORMINA	32.80	RILEY WEST	CAN	2004	1:06.18	KANA OHASHI	JPN	2003
4:25.94	LYNN MARSHALL	33.50	RIA WILLEMSE	NED	1989	1:06.24	SANDRA KAZIKOVA	CZE	2003
4:26.18	DIANE GRANER	33.70	TAMARA VAN GORKOM	NED	2004	1:06.73	RILEY WEST	CAN	2004
4:26.56	CHANTAL DUCK	33.70	S.SEMINATORE	ITA	1990	1:06.76	CHRIS WIEGAND	GER	2000
4:27.54	REBECCA WILLIAMS	33.73	HENRIETTE LARSEN	DEN	2002	1:06.84	MONIQUE RODAHL	NZL	1989
4:27.87	BARBARA KEHBEIN	33.86	WENKE HANSEN	USA	1998	1:06.99	ALLISON WAGNER	USA	2004
4:28.01	CINDY BERTELINK	33.90	ANDREA PACKARD	USA	2001	200 M. I.M.			
4:28.06	TARA HUTT	34.00	ANNAICK SCHWEIZER	SUI	1994	2:17.17	HITOMI MATSUDA	JPN	2006
4:29.10	S. PALMER-WHITE	100 M. BRST				2:21.79	WENKE HANSEN	USA	1998
4:29.31	B.DURDY-EVANS	1:10.55	HITOMI MATSUDA	JPN	2005	2:22.47	KANA OHASHI	JPN	2004
800 M. FREE		1:10.71	MANUELA NACKEL	GER	1998	2:22.81	CINDY BERTELINK	CAN	2003
8:51.18	SHEILA TAORMINA	1:11.80	RILEY WEST	CAN	2004	2:23.00	ALISON TERRY	USA	1999
8:57.39	HITOMI MATSUDA	1:13.26	SILVA PULFRICH	GER	2003	2:23.17	MARION ZOLLER	GER	1995
9:07.19	S. PALMER-WHITE	1:13.30	WENKE HANSEN	USA	1998	2:23.40	KATARIN QUELENNEC	FRA	2005
9:08.09	MARIE ATKINSON	1:13.57	ANDREA PACKARD	USA	2001	2:23.47	BIRGIT DEURING	GER	1996
9:12.32	LYNN MARSHALL	1:13.60	RIA WILLEMSE	NED	1989	2:24.07	DIANE GRANER	USA	1989
9:17.98	M.VAN KEULEN	1:13.99	HELEN DOUTHWAITE	GBR	1998	2:25.04	HELEN GORMAN	GBR	1997
9:18.99	DIANE M. GRANER	1:14.20	CHARLOTTE MUSTARD	GBR	1995	400 M. I.M.			
9:19.05	TOBIE SMITH	1:14.28	KAREN JACKSON	GBR	2003	4:52.13	HITOMI MATSUDA	JPN	2006
9:19.73	ASHLEY WHITNEY	200 M. BRST				4:55.85	KANA OHASHI	JPN	2006
9:21.30	KANA OHASHI	2:31.18	HITOMI MATSUDA	JPN	2006	4:56.98	ALESSANDRA CORTES	BRA	1999
1500 M. FREE		2:32.73	RILEY WEST	CAN	2004	5:01.26	HELEN SLATTER	GBR	1997
16:36.07	SHEILA TAORMINA	2:35.66	ANDREA PACKARD	USA	2001	5:02.47	CINDY BERTELINK	CAN	2004
17:00.63	HITOMI MATSUDA	2:37.16	NATHALIE ELORRIET	FRA	2000	5:02.54	WENKE HANSEN	USA	1998
17:29.81	CHANTAL DUCK	2:37.35	HELEN GORMAN	GBR	1998	5:04.56	SABINE AHR	GER	1999
17:30.18	KAREN BURTON	2:39.03	ANDREA HILL	USA	2000	5:04.56	BIRGIT DEURING	GER	1996
17:36.04	DIANE M. GRANER	2:39.62	WENKE HANSEN	USA	1998	5:07.14	S. PALMER-WHITE	AUS	1991
17:36.61	LYNN MARSHALL	2:40.08	MANUELA NACKEL	GER	1999	5:09.58	JOCELYN JAY	CAN	1999
17:37.48	MARIA ATKINSON	2:40.14	KAREN JACKSON	GBR	2003	*****			
17:38.57	S. PALMERWHITE	2:40.90	LOUISE KEOGH	USA	1994	WOMEN 30-34			
17:42.32	B.DURDY-EVANS	50 M. FLY							



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

*****						28.99	METTE JACOBSEN	DEN	2006	27.98	NADINE ROLLAND	CAN	2005	
50	M.	FREE				29.44	NADINE ROLLAND	CAN	2005	28.05	KATRINA RADKE	USA	2004	
			25.64	METTE JACOBSEN	DEN	2006	30.08	NAHOMI SHIRATA	JPN	2006	28.34	WENKE HANSEN	USA	2000
			25.98	KATRINA RADKE	USA	2004	30.11	GISELI PEREIRA	BRA	2003	28.63	HELENA ABERG	SWE	2005
			26.09	NADINE ROLLAND	CAN	2006	30.14	D.GRANER-GALLAS	USA	1996	28.72	YUKI WAKUI	JPN	2004
			26.20	SANDRA KAZIKOVA	CZE	2006	30.36	ANDREA KUTZ	GER	2005	28.95	LAURA BIANZANI	ITA	2006
			26.46	ANNA PETTIS-SCOTT	USA	1993	30.41	K PIPES-NEILSEN	USA	1996	29.13	THERESE LUNDIN	SWE	2000
			26.50	SUSAN HILL	GBR	2003	30.51	SHERI HART	USA	2003	29.20	D.GRANER-GALLAS	USA	1996
			26.53	JANET MAYVILLE	CAN	2006	30.53	R.MARACINEANU	FRA	2005	100	M.	FLY	
			26.55	SANDY NEILSON	USA	1987	30.94	HELEN JAMESON	GBR	1994	59.11	MARTINA MORAVCOVA	USA	2006
			26.70	LINDA HEMMLING	GER	1994	100	M.	BACK		1:00.11	METTE JACOBSEN	DEN	2006
			26.79	PEGGY GROSS	USA	2000	1:02.88	METTE JACOBSEN	DEN	2006	1:02.39	NADINE ROLLAND	CAN	2005
100	M.	FREE					1:03.36	K.PIPES-NEILSEN	USA	1996	1:02.65	BERIT PUGGAARD	DEN	2004
			56.41	METTE JACOBSEN	DEN	2006	1:04.03	J HUDGELL	NZL	1986	1:02.70	WENKE HANSEN	USA	2000
			56.48	PASCALE VERBAUWEN	BEL	1993	1:04.16	D.GRANER-GALLAS	USA	1996	1:03.04	ANJA BEHA	GER	2005
			57.33	JANET MAYVILLE	CAN	2006	1:04.30	CAMILLA JOHANSSON	SWE	2004	1:03.21	KATRINA RADKE	USA	2003
			57.35	S.NEILSON-BELL	USA	1988	1:05.02	GISELI PEREIRA	BRA	2003	1:03.34	LAURA BIANZANI	ITA	2006
			57.46	KATRINA RADKE	USA	2003	1:05.24	NAHOMI SHIRATA	JPN	2006	1:03.74	FLORENCE CIOTTI	ITA	2006
			57.83	TAMARA VAN GORKOM	NED	2005	1:05.68	JOANNA CORBEN	GBR	2002	1:03.80	K PIPES-NEILSEN	USA	1996
			58.07	K PIPES-NEILSEN	USA	1996	1:05.71	SHERI HART	USA	2003	200	M.	FLY	
			58.49	ANA GRILO	POR	2003	1:06.41	GITTE RAAGAARD	DEN	2004	2:19.34	LAURA BIANZANI	ITA	2004
			58.58	LYNN MARSHALL	CAN	1991	200	M.	BACK		2:19.34	KATRINA RADKE	USA	2003
			58.66	MANUELA SCHUBERT	GER	2000	2:13.51	K.PIPES-NEILSEN	USA	1996	2:19.64	K PIPES-NEILSEN	USA	1996
			200	M.	FREE		2:18.19	JOANNA CORBEN	GBR	2002	2:21.21	FLORENCE CIOTTI	ITA	2006
			2:04.64	K PIPES-NEILSEN	USA	1996	2:19.60	D.GRANER-GALLAS	USA	1996	2:24.17	KATE VEALE	GBR	2000
			2:04.98	LYNN MARSHALL	CAN	1991	2:19.66	JO SWATTON	GBR	2000	2:24.52	MELISSA VARLAS	USA	2005
			2:05.94	BARBARA KEHBEIN	GER	2000	2:24.11	K.WULFF-HOPPE	GER	2002	2:24.75	SANDIE EASTON	USA	2001
			2:06.64	KARIN SEICK	GER	1994	2:24.89	JODY SMITH	USA	2003	2:24.84	NICOLA LATTY	GBR	2005
			2:06.83	SANDY NEILSON	USA	1987	2:25.19	ANJA EICHHORST	GER	2001	2:24.84	LIDIA VAN BON	NED	2002
			2:06.94	ANA GRILO	POR	2003	2:25.31	KARIN SEICK	GER	1994	2:24.91	NADINE DAY	USA	2004
			2:06.96	TAMARA VAN GORKOM	NED	2005	2:25.88	ANA GRILO	POR	2003	100	M.	I.M.	
			2:07.24	KATRINA RADKE	USA	2003	2:26.00	MASAMI HIGURASHI	JPN	1994	1:02.07	MARTINA MORAVCOVA	USA	2006
			2:08.63	SUSAN HILL	GBR	2003	50	M.	BRST		1:04.44	NADINE ROLLAND	CAN	2005
			2:08.64	VALERIA VERGANI	ITA	2005	31.12	BRITTA STEVENS	GER	2003	1:04.96	WENKE HANSEN	USA	1999
			400	M.	FREE		32.82	WENKE HANSEN	USA	2000	1:05.10	SYLVIA GERASCH	GER	2000
			4:22.70	K PIPES-NEILSEN	USA	1996	33.13	SUKI BROWNSDON	GBR	1995	1:05.16	K.PIPES-NEILSEN	USA	1995
			4:22.75	YWETTA HLAVACOVA	CZE	2006	33.74	DAGMAR HILBIG	GER	1992	1:05.58	HIDEKO HIRANAKA	JPN	2004
			4:22.77	ERIKA HANSEN	USA	2003	34.51	A.SACCHIERO	ITA	2005	1:06.40	SUKI BROWNSDON	GBR	1995
			4:26.91	LYNN MARSHALL	CAN	1991	34.51	SIOBHAN HARTLEY	GBR	2000	1:06.94	NADINE DAY	USA	2003
			4:27.23	ANA GRILO	POR	2002	34.57	TARA HIGGINS	CAN	2003	1:07.02	SARAH GARRETT	GBR	1996
			4:29.49	VALERIA VERGANI	ITA	2005	34.58	NADINE ROLLAND	CAN	2006	1:07.06	R.MARACINEANU	FRA	2005
			4:30.16	ASA NEIJ	SWE	2006	34.60	MONICA CORO	ITA	1993	200	M.	I.M.	
			4:30.60	KIRSTEN CAMERON	NZL	2005	34.67	AKIKO KIYONAGA	JPN	2006	2:18.79	K.PIPES-NEILSEN	USA	1996
			4:30.98	CINDY BERTELINK	CAN	2005	100	M.	BRST		2:18.89	WENKE HANSEN	USA	2000
			4:31.88	BETH KNIGHT	USA	1990	1:10.00	WENKE HANSEN	USA	2000	2:22.72	KATRINA RADKE	USA	2003
			800	M.	FREE		1:11.81	SUKI BROWNSDON	GBR	1995	2:23.49	CINDY BERTELINK	CAN	2005
			9:06.49	ERIKA HANSEN	USA	2003	1:12.80	SYLVIA GERASCH	GER	2000	2:23.88	NADINE DAY	USA	2003
			9:08.32	LYNN MARSHALL	CAN	1993	1:14.31	KAREN JACKSON	GBR	2004	2:24.30	KATE VEALE	GBR	2000
			9:08.34	K.PIPES-NEILSEN	USA	1996	1:14.69	DAGMAR HILBIG	GER	1992	2:24.96	DAWN HEWITT	USA	1997
			9:14.03	ASA NEIJ	SWE	2004	1:14.97	ALEGRA REICH	USA	2006	2:25.31	HIDEKA KOSHIMIZU	JPN	1998
			9:14.62	KIRSTEN CAMERON	NZL	2005	1:15.40	ERIKO KIMURA	JPN	1992	2:25.74	DEBBIE YOUNGER	CAN	2003
			9:17.55	BETH KNIGHT	USA	1990	1:15.44	ANNA JENSEN	SWE	2006	2:25.81	CHRISSEY SULLIVAN	USA	2006
			9:22.24	PENNY BOND	AUS	1996	1:15.52	NADINE DAY	USA	2002	400	M.	I.M.	
			9:22.65	JOANNE REIERSON	USA	2003	1:15.54	KATJA SEEGER-BOSE	GER	2004	4:51.33	HIDEKO HIRANAKA	JPN	2004
			9:23.38	ANA GRILO	POR	2002	200	M.	BRST		4:53.85	K PIPES-NEILSEN	USA	1996
			9:23.74	VALERIE CARION	FRA	2002	2:30.65	WENKE HANSEN	USA	2000	5:04.56	BARBARA KEHBEIN	GER	2000
			1500	M.	FREE		2:39.65	SYLVIA GERASCH	GER	2000	5:06.05	SUKI BROWNSDON	GBR	1997
			17:21.99	LYNN MARSHALL	CAN	1992	2:40.08	SUKI BROWNSDON	GBR	1997	5:07.39	NADINE DAY	USA	2002
			17:23.60	KAREN BURTON	USA	1994	2:40.61	CAROLINE MATHIAS	FRA	2006	5:07.66	ANA GRILO	POR	2003
			17:33.36	KIRSTEN CAMERON	NZL	2005	2:41.63	KAREN JACKSON	GBR	2004	5:08.14	CORNELIA BLEUL	GER	1996
			17:44.19	ALISON ZAMANIAN	USA	2004	2:42.39	HIDEKA KOSHIMIZU	JPN	1998	5:08.64	KATE VEALE	GBR	2000
			17:46.97	JACQUI ROBINSON	AUS	2005	2:42.59	LOUISE MARTIN	USA	2003	5:09.02	CINDY BERTELINK	CAN	2005
			17:51.25	LISA HAZEN	USA	1995	2:43.58	SARAH HACKETT	NZL	2005	5:09.81	KAREN BURTON	USA	1994
			17:55.18	DARCY MUSSELMAN	CAN	2001	2:44.00	KATJA SEEGER-BOSE	GER	2005	*****			
			17:58.96	LAURIE HUG	USA	1999	2:44.41	JOANNA HOCKING	GBR	2004	WOMEN 35-39			
			18:03.95	DONNA JOHNSON	USA	1997	50	M.	FLY		*****			
			18:06.33	GRITH SIGSGAARD	NED	2006	26.79	MARTINA MORAVCOVA	USA	2006	50 M. FREE			
			50	M.	BACK		27.81	METTE JACOBSEN	DEN	2006				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

25.10	DARA TORRES	USA	2006	31.03	HELEN JAMESON	GBR	1998	29.26	HELENA ABERG	SWE	2006
26.13	S.NEILSON-BELL	USA	1995	31.24	MARIANNE KRIEL	RSA	2006	29.26	DEBORAH YOUNGER	JPN	2006
26.78	FALL WILLEBOORDSE	USA	2002	31.35	FALL WILLEBOORDSE	USA	2002	29.31	SILVIA PAROCCHI	ITA	2005
26.99	MARIE ARMENTERO	ITA	2003	31.47	MONICA SORO	ITA	2005	29.50	NADINE DAY	USA	2005
27.02	HELENA ABERG	SWE	2006	31.65	SANDRA MICHELINI	ITA	2006	29.51	YOKO YAMAGUCHI	JPN	2006
27.03	MARIKA JOHANSSON	SWE	2005	31.80	SILVIA PAROCCHI	ITA	2005	29.54	D GRANER GALLAS	USA	1999
27.10	YUKIKO OZAWA	JPN	2003	31.89	KARIN SEICK	GER	1997	29.69	BETH BAKER	USA	2000
27.15	COLLETTE SAPPEY	USA	2002	31.95	QUINELDA DEARDS	GBR	2004	100 M.	FLY		
27.15	TRACIE MOLL	USA	2001	31.95	HIROKO NOGUCHI	JPN	2001	1:03.07	DEBBIE YOUNGER	CAN	2005
27.17	BETH BAKER	USA	2000	100 M.	BACK			1:03.29	K PIPES-NEILSEN	USA	1997
100 M.	FREE			1:03.56	K PIPES-NEILSEN	USA	1997	1:04.33	TRACIE MOLL	USA	2001
54.95	DARA TORRES	USA	2006	1:05.93	KARIN SEICK	GER	1996	1:04.62	DEBORAH YOUNGER	JPN	2006
57.65	K PIPES-NEILSEN	USA	2000	1:05.94	D GRANER GALLAS	USA	1999	1:05.31	BETH BAKER	USA	2000
57.79	KARIN SEICK	GER	1996	1:06.02	JOANNA CORBEN	GBR	2005	1:05.49	NADINE DAY	USA	2005
58.57	MANUELA SCHUBERT	GER	2006	1:07.24	SILVIA PAROCCHI	ITA	2004	1:05.61	LAUREEN WELTING	USA	2000
58.62	S.NEILSON-BELL	USA	1995	1:07.76	ANDREA LUALLEN	USA	2002	1:05.83	JILL HERNANDEZ	USA	1999
58.66	BETH KNIGHT	USA	1994	1:07.87	HELEN JAMESON	GBR	1998	1:05.86	BARBARA GELLRICH	GER	1998
58.79	JILL HERNANDEZ	USA	1999	1:08.14	MARIKA MC CUE	USA	2001	1:05.89	KATE VEALE	GBR	2002
58.80	TRACIE MOLL	USA	2001	1:08.37	CINDY RADFORD	CAN	2006	200 M.	FLY		
59.03	HELENA ABERG	SWE	2006	1:08.54	VIBEKE SWANSON	USA	2000	2:18.41	K PIPES-NEILSEN	USA	1997
59.05	LAUREEN WELTING	USA	2000	200 M.	BACK			2:21.76	DEBBIE YOUNGER	CAN	2005
200 M.	FREE			2:14.10	K PIPES-NEILSEN	USA	1997	2:24.80	KATE VEALE	GBR	2002
2:03.56	K PIPES-NEILSEN	USA	1997	2:19.82	JOANNA CORBEN	GBR	2006	2:25.06	JILL HERNANDEZ	USA	1997
2:06.18	LAUREEN WELTING	USA	2000	2:22.82	DAPHNE FUCHS	GER	1998	2:25.52	NADINE DAY	USA	2006
2:06.86	JILL HERNANDEZ	USA	1999	2:23.86	SILVIA PAROCCHI	ITA	2002	2:25.91	LAUREEN WELTING	USA	2000
2:06.96	D GRANER GALLAS	USA	1999	2:24.71	DEBBIE YOUNGER	CAN	2005	2:26.45	ANA PAULA GRILO	POR	2006
2:06.99	VALERIA VERGANI	ITA	2006	2:25.89	ANDREA LUALLEN	USA	2001	2:26.69	BETH BAKER	USA	2000
2:07.58	S.NEILSON-BELL	USA	1995	2:26.96	MONICA OLMI	ITA	2005	2:26.79	BIRGIT LOHBERG	USA	2004
2:07.69	ANA PAULA GRILO	POR	2004	2:27.11	KRISTIN GARY	USA	2002	2:27.50	DEBORAH YOUNGER	JPN	2006
2:07.74	BETH KNIGHT	USA	1994	2:28.24	N.MUIR-COCHRANE	GBR	2000	100 M.	I.M.		
2:08.12	KARIN SEICK	GER	1996	2:28.55	LYNN MARSHALL	CAN	1996	1:05.40	K PIPES-NEILSEN	USA	2000
2:09.29	CHARLOTT PETERSEN	USA	2001	50 M.	BRST			1:06.50	SILVIA PAROCCHI	ITA	2005
400 M.	FREE			33.03	CAROLINE KRATTLI	USA	2000	1:07.31	NADINE DAY	USA	2005
4:22.56	K PIPES-NEILSEN	USA	1999	33.89	DAGMAR HILBIG	GER	1993	1:07.51	DEBBIE YOUNGER	CAN	2005
4:24.56	LAUREEN WELTING	USA	2000	33.91	P.BRULHART N'DULA	SUI	2003	1:07.53	CAROLINE KRATTLI	USA	2000
4:26.57	JILL HERNANDEZ	USA	1999	34.32	STEFANIA MONTI	ITA	2005	1:07.77	MONICA SORO	ITA	2006
4:27.62	VALERIA VERGANI	ITA	2006	34.50	S.SEMINATORE	ITA	2003	1:07.99	KATE VEALE	GBR	2002
4:29.09	PENNY BOND	AUS	1999	34.63	LESLIE OSBORNE	USA	1989	1:08.15	S NEILSON-BELL	USA	1992
4:30.30	ANA PAULA GRILO	POR	2004	34.64	ANNETT REX	GER	2004	1:08.23	BETH BAKER	USA	2000
4:31.94	CHARLOTT PETERSEN	USA	2001	34.84	K PIPES-NEILSEN	USA	1999	1:08.65	KATHERINE VEALE	GBR	2003
4:31.98	LYNN MARSHALL	CAN	1997	35.05	NADINE DAY	USA	2005	200 M.	I.M.		
4:33.11	KARIN SEICK	GER	1996	35.08	C.SILBERZAHN	GER	2001	2:19.08	K PIPES-NEILSEN	USA	2000
4:33.17	BETH KNIGHT	USA	1994	100 M.	BRST			2:23.47	DEBBIE YOUNGER	CAN	2005
800 M.	FREE			1:11.97	CAROLINE KRATTLI	USA	2000	2:24.94	NADINE DAY	USA	2005
9:12.97	ALISON ZAMANIAN	USA	2006	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
9:15.40	K PIPES-NEILSEN	USA	1998	1:15.56	STEFANIA MONTI	ITA	2004	2:26.10	KATE VEALE	GBR	2001
9:17.93	PENNY BOND	AUS	1997	1:15.65	K PIPES-NEILSEN	USA	1997	2:26.89	SILVIA PAROCCHI	ITA	2005
9:21.94	LYNN MARSHALL	CAN	1996	1:16.40	DAGMAR HILBIG	GER	1995	2:27.72	LAUREEN WELTING	USA	2000
9:23.86	N.MUIR-COCHRANE	GBR	2000	1:16.62	P.BRULHART N'DULA	SUI	2003	2:27.95	ANA PAULA GRILO	POR	2006
9:24.81	BETH KNIGHT	USA	1994	1:16.70	LESLIE OSBORNE	USA	1989	2:29.17	JENNIFER RIDGE	USA	2005
9:26.31	UTE MUCKEL	GER	2002	1:16.79	MARZENA KULIS	ITA	2002	400 M.	I.M.		
9:31.79	DEBBIE YOUNGER	CAN	2005	1:17.52	NAMI OKAMOTO	JPN	2005	4:52.83	K PIPES-NEILSEN	USA	1997
9:33.68	ANA PAULA GRILO	POR	2006	200 M.	BRST			5:02.22	LAUREEN WELTING	USA	2000
1500 M.	FREE			2:36.04	CAROLINE KRATTLI	USA	2000	5:09.87	NADINE DAY	USA	2006
17:20.59	LYNN MARSHALL	CAN	1996	2:44.36	NADINE DAY	USA	2006	5:10.43	JILL HERNANDEZ	USA	1999
17:27.84	LAURIE HUG	USA	2000	2:44.81	DAGMAR HILBIG	GER	1995	5:12.42	KATE VEALE	GBR	2002
17:35.69	PENNY BOND	AUS	1997	2:46.93	KEIKO OKAMOTO	JPN	2006	5:12.75	VALERIA VERGANI	ITA	2006
17:36.24	K PIPES-NEILSEN	USA	1999	2:47.78	NAMI OKAMOTO	JPN	2006	5:12.75	ANA PAULA GRILO	POR	2004
17:43.10	BETH KNIGHT	USA	1994	2:48.35	STEFANIA MONTI	ITA	2005	5:14.35	BIRGIT LOHBERG	USA	2004
17:54.55	N.MUIR-COCHRANE	GBR	2000	2:48.65	KATJA SEEGER-BOSE	GER	2006	5:15.70	LAURIE HUG	USA	2000
18:02.22	LISA HAZEN	USA	2003	2:48.66	MARZENA KULIS	ITA	2002	5:16.07	DEBBIE YOUNGER	CAN	2005
18:02.75	CHARLOTT PETERSEN	USA	2000	2:48.66	K PIPES-NEILSEN	USA	1998	*****			
18:18.50	NADINE DAY	USA	2005	2:49.74	DORI MILLER	USA	2006	*****			
18:26.27	KELLY PARKER	USA	2000	50 M.	FLY			*****			
50 M.	BACK			28.68	TRACIE MOLL	USA	2001	*****			
30.73	K PIPES-NEILSEN	USA	1999	29.08	K PIPES-NEILSEN	USA	2000	50 M.	FREE		
30.92	MARIKA MC CUE	USA	2002	29.09	DEBBIE YOUNGER	CAN	2005	26.66	S.NEILSON-BELL	USA	1996



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

27.77	KARIN SEICK	GER	2006	32.67	LAURA VAL	USA	1999	30.77	SARAH MACDONALD	CAN	2005
27.77	JENNY WHITELEY	AUS	2003	32.68	ANN KOURI	CAN	2006	30.88	JUDITH HATTLE	GBR	2006
28.06	JACKI HIRSTY	USA	2000	32.76	KARIN SEICK	GER	2006	30.99	LAURA VAL	USA	1998
28.41	JILL QUIRK	CAN	1999	32.82	CATHY SHEEHAN	CAN	2005	31.01	MARGARET KELLY	GBR	2004
28.42	LAURA VAL	USA	1998	32.93	SARAH MACDONALD	CAN	2005	100 M. FLY			
28.45	TANYA HANSON	USA	2006	33.06	AROMA MARTORELL	BRA	2003	1:07.07	JUDY HATTLE	GBR	2005
28.46	MARJA BLOEMZAAD	NED	2006	100 M. BACK				1:07.99	SUZANNE SIMPSON	USA	2005
28.52	LAURA GORGERINO	ITA	2003	1:09.20	VIBEKE SWANSON	USA	2006	1:08.10	LAURA VAL	USA	1999
100 M. FREE				1:09.27	VERA CAPKOVA	BEL	2006	1:09.24	JENNY WHITELEY	AUS	2003
59.58	SARAH MACDONALD	CAN	2005	1:09.90	L.PELT-DILLER	USA	2006	1:09.58	REBECCA PERROTT	NZL	2006
1:01.42	JENNY WHITELEY	AUS	2003	1:10.33	LISA DIXON-WELLS	CAN	2006	1:10.03	BARBARA GELLRICH	GER	2006
1:01.94	REBECCA PERROTT	NZL	2006	1:10.62	CATHY SHEEHAN	CAN	2005	1:10.40	MARGARET SMITH	GBR	2004
1:02.00	LAURA VAL	USA	1998	1:10.64	LESLEY WILDE	GBR	2004	1:10.47	TRACI GRANGER	USA	2004
1:02.17	ATIE PIJTAK	NED	2003	1:10.90	K ANDRUS-HUGHES	USA	2004	1:10.49	LYNN MARSHALL	CAN	2006
1:02.20	BARBARA GELLRICH	GER	2006	1:11.45	ANN KOURI	CAN	2006	1:10.91	HARUMI SUGINUMA	JPN	2005
1:02.20	LYNN MARSHALL	CAN	2006	1:11.46	UTE ROMBERG	GER	2006	200 M. FLY			
1:02.33	JILL QUIRK	CAN	1999	1:12.38	LAURA VAL	USA	1997	2:28.26	LYNN MARSHALL	CAN	2006
1:02.56	JACKI HIRSTY	USA	1997	200 M. BACK				2:29.32	SUZANNE SIMPSON	USA	2005
1:02.98	K.ANDRUS-HUGHES	USA	2006	2:31.42	LYNN MARSHALL	CAN	2006	2:32.52	LAURA VAL	USA	1999
200 M. FREE				2:32.56	VIBEKE SWANSON	USA	2006	2:34.15	JUDY HATTLE	GBR	2005
2:10.91	S HEIM-BOWEN	USA	2003	2:32.74	L.PELT-DILLER	USA	2006	2:35.17	JENNY WHITELEY	AUS	2003
2:11.00	LYNN MARSHALL	CAN	2006	2:33.10	NAOKO SHIDE	JPN	2006	2:36.13	REBECCA PERROTT	NZL	2006
2:11.09	JENNY WHITELEY	AUS	2003	2:34.50	LESLEY WILDE	GBR	2004	2:37.88	ARDETH MUELLER	USA	1987
2:15.31	LAURA VAL	USA	2000	2:36.25	KAREN EINSIDLER	USA	2001	2:38.18	MARGARET SMITH	GBR	2004
2:15.66	BARBARA GELLRICH	GER	2006	2:36.38	CATHY SHEEHAN	CAN	2005	2:38.59	BARBARA DUNBAR	USA	1994
2:16.12	VIBEKE SWANSON	USA	2006	2:36.79	CECILIA MCCLOSKEY	USA	1997	2:40.59	RENATE CHRIST	GER	2006
2:17.15	ATIE PIJTAK	NED	2002	2:36.84	C.TARANTINO	ITA	2003	100 M. I.M.			
2:18.65	JACKI HIRSTY	USA	2000	2:37.13	UTE ROMBERG	GER	2006	1:09.28	SARAH MACDONALD	CAN	2005
2:19.70	JENNY COOK	USA	2005	50 M. BRST				1:09.68	JENNY WHITELEY	AUS	2003
2:19.72	DANIELLE OGIER	USA	2000	34.36	ALISON NYE	GBR	2002	1:10.47	VIBEKE SWANSON	USA	2006
400 M. FREE				34.60	SWICZINSKY-KORDES	GER	2001	1:10.87	MAGGIE KELLY	GBR	2001
4:30.98	S HEIM-BOWEN	USA	2003	34.64	MAGGIE KELLY	GBR	2001	1:11.30	LISA DIXON-WELLS	CAN	2006
4:33.09	LYNN MARSHALL	CAN	2006	34.70	JUDY GARAY	CAN	2005	1:11.82	LAURA VAL	USA	1997
4:43.49	JENNY WHITELEY	AUS	2003	36.36	SARAH MACDONALD	CAN	2006	1:11.86	ANN KOURI	CAN	2006
4:46.20	KAREN EINSIDLER	USA	2002	36.41	JENNY WHITELEY	AUS	2003	1:11.93	VERA CAPKOVA	BEL	2006
4:48.47	TANJA ENGELS	GER	2006	36.63	MELINDA MANN	USA	2002	1:12.18	LISA DAHL	USA	2006
4:49.52	LAURA VAL	USA	1998	36.69	NAOMI HEIMBACH	JPN	2000	1:12.21	JUDITH HATTLE	GBR	2006
4:52.59	SARAH MACDONALD	CAN	2006	36.81	MARJA BLOEMZAAD	NED	2006	200 M. I.M.			
4:52.87	BARBARA GELLRICH	GER	2006	36.88	KATE SORENSEN	DEN	2006	2:31.99	VIBEKE SWANSON	USA	2006
4:53.51	SUSANNE SIMPSON	USA	2006	100 M. BRST				2:33.25	LYNN MARSHALL	CAN	2006
4:53.59	JACKI HIRSTY	USA	2000	1:17.16	MAGGIE KELLY	GBR	2001	2:34.02	JENNY WHITELEY	AUS	2003
800 M. FREE				1:18.13	JENNY WHITELEY	AUS	2003	2:35.12	ANN KOURI	CAN	2006
9:21.65	LYNN MARSHALL	CAN	2006	1:19.93	MELINDA MANN	USA	2002	2:35.67	LISA DIXON-WELLS	CAN	2006
9:27.44	SUZANN HEIM-BOWEN	USA	2004	1:20.53	JAN FOWLER	AUS	2004	2:36.24	REBECCA PERROTT	NZL	2006
9:42.24	SUSANNE SIMPSON	USA	2005	1:20.60	KATE SORENSEN	DEN	2006	2:36.31	SARAH MACDONALD	CAN	2006
9:54.21	KAREN EINSIDLER	USA	2002	1:20.63	MARJA BLOEMZAAD	NED	2006	2:36.60	DANIELLE OGIER	USA	2000
10:00.03	C.TARANTINO	ITA	2003	1:20.64	AMANDA HEATH	GBR	2003	2:36.71	COLETTE CRABBE	USA	2002
10:00.10	BARBARA GELLRICH	GER	2006	1:20.84	COLETTE CRABBE	USA	2005	2:37.59	LAURA VAL	USA	1997
10:00.58	TANJA ENGELS	GER	2006	1:21.38	ULRIKE URBANIAK	GER	2000	400 M. I.M.			
10:04.89	SARAH MACDONALD	CAN	2005	1:21.88	JUDY HATTLE	GBR	2005	5:19.13	LYNN MARSHALL	CAN	2006
10:08.72	DANIELLE OGIER	USA	1997	200 M. BRST				5:19.58	VIBEKE SWANSON	USA	2006
10:09.82	BARBARA DUNBAR	USA	1996	2:48.38	JENNY WHITELEY	AUS	2003	5:28.91	JENNY WHITELEY	AUS	2003
1500 M. FREE				2:53.23	AMANDA HEATH	GBR	2003	5:33.37	LAURA VAL	USA	1999
17:49.34	LYNN MARSHALL	CAN	2006	2:54.02	ULRIKE URBANIAK	GER	2000	5:35.49	REBECCA PERROTT	NZL	2006
17:50.64	SUZANN HEIM-BOWEN	USA	2004	2:54.05	COLETTE CRABBE	USA	2002	5:35.51	COLETTE CRABBE	USA	2002
18:55.82	LAURA VAL	USA	1998	2:54.57	KAREN MELICK	USA	2003	5:38.11	DANIELLE OGIER	USA	2000
18:58.40	C.TARANTINO	ITA	2002	2:56.54	MARJA BLOEMZAAD	NED	2006	5:39.53	JUDY HATTLE	GBR	2005
19:06.85	JENNY WHITELEY	AUS	2004	2:57.86	JAN CLARKSON	CAN	2006	5:40.40	MARJA BLOEMZAAD	NED	2006
19:14.97	BARBARA DUNBAR	USA	1996	2:58.07	JUDY HATTLE	GBR	2005	5:41.14	ATIE PIJTAK	NED	2001
19:16.38	SUSANNE SIMPSON	USA	2006	2:58.71	SARAH MACDONALD	CAN	2006				
19:31.43	DANIELLE OGIER	USA	2001	2:58.72	LISA DIXON-WELLS	CAN	2006				
19:36.02	KATHERINE BRANCH	USA	2002	50 M. FLY							
19:37.99	NANCY FISHER	USA	1996	29.97	USCHI DUMIG	GER	2005				
50 M. BACK				30.02	KARIN SEICK	GER	2006				
31.45	BARBARA OPITZ	GER	2006	30.18	LISA DAHL	USA	2006				
32.54	VIBEKE SWANSON	USA	2006	30.51	ANGELA ZINGLER	GER	2001	28.43	G.TALOCHINO	FRA	2006
32.59	K.ANDRUS-HUGHES	USA	2006	30.60	MONIKA SENFTLEBEN	GER	1990	28.54	JACKI HIRSTY	USA	2002
32.65	L VAN PELT-DILLER	USA	2003	30.72	TRACI GRANGER	USA	2006	28.56	LAURA VAL	USA	2001
								28.65	JOEL FELDMANN	USA	2002

WOMEN 50-54



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

29.11	ANGELA ZINGLER	GER	2004	34.72	G.TALOCHINO	FRA	2006	32.63	CHRISTIE CIRAULO	USA	2006
29.16	L.CRITTENDEN	USA	2006	34.81	BENEDICTE DUPREZ	FRA	2001	32.89	MARIA RHODIN	SWE	2006
29.24	HEATHER CAMPBELL	NZL	2006	34.97	CAROL FELLOWS	GBR	1998	100 M.	FLY		
29.28	M.VON RICHTHOFEN	GER	2006	35.55	SATOKO TAKEUJI	JPN	1995	1:09.05	LAURA VAL	USA	2001
29.54	REGULA STEIGER	SUI	2006	100 M.	BACK			1:12.66	ARDETH MUELLER	USA	1991
29.54	CONNY BOER-BUYS	NED	2001	1:12.95	LAURA VAL	USA	2001	1:13.21	MELINDA MANN	USA	2006
100 M.	FREE			1:13.63	EVIE LYNCH	USA	2004	1:14.18	ANGELA ZINGLER	GER	2004
1:01.49	LAURA VAL	USA	2001	1:14.62	JANE HILL	USA	2001	1:14.90	BARBARA DUNBAR	USA	2000
1:03.21	G.TALOCHINO	FRA	2006	1:14.78	BENEDICTE DUPREZ	FRA	2001	1:15.25	CHRISTIE CIRAULO	USA	2003
1:03.29	JACKI HIRSTY	USA	2002	1:14.95	PATTY LANDERS	USA	2006	1:15.96	SUSAN SKIFF	ITA	2004
1:03.97	HEATHER CAMPBELL	NZL	2006	1:15.85	C.TARANTINO	ITA	2005	1:16.06	SUSANA BARKLEY	ESP	1997
1:05.55	L.CRITTENDEN	USA	2006	1:16.60	JOEL FELDMANN	USA	2003	1:16.24	LIZ RUTHERFORD	GBR	2003
1:05.86	JILL QUIRK	CAN	2004	1:17.26	S.RAMOGER RIGAUD	FRA	2006	1:16.27	STACEY WARMUTH	USA	2006
1:05.95	CONNY BOER-BUYS	NED	2001	1:17.45	ANNE CORK	GBR	2001	200 M.	FLY		
1:06.26	CAROL FELLOWS	GBR	1996	1:17.49	NORIKO KOBAMATSU	JPN	2006	2:39.11	LAURA VAL	USA	2005
1:06.29	SUE CARSON	CAN	2005	200 M.	BACK			2:44.84	BARBARA DUNBAR	USA	1999
1:06.39	ATIE PIJTAK	NED	2006	2:37.89	C.TARANTINO	ITA	2005	2:45.99	ARDETH MUELLER	USA	1991
200 M.	FREE			2:41.20	LAURA VAL	USA	2003	2:49.36	M.NEUMEISTER	GER	2003
2:14.66	LAURA VAL	USA	2003	2:41.56	EVIE LYNCH	USA	2005	2:52.32	N.STEADMAN-MARTIN	USA	2006
2:20.61	DANIELLE OGIER	USA	2002	2:43.04	ANNE CORK	GBR	2001	2:53.24	SUSAN SKIFF	ITA	2004
2:22.21	JACKI HIRSTY	USA	2002	2:46.73	BENEDICTE DUPREZ	FRA	2002	2:53.45	SUSAN HAIGH	GBR	2005
2:23.36	SUSAN SKIFF	GER	2005	2:47.15	PATTY LANDERS	USA	2006	2:54.65	ELAINE FINCHAM	USA	2006
2:23.69	C.TARANTINO	ITA	2005	2:47.44	DANIELLE OGIER	USA	2003	2:55.80	CHRISTIE CIRAULO	USA	2004
2:24.41	DIANNE FOSTER	CAN	1999	2:47.99	DI COETZEE	RSA	2006	2:56.99	LESLEY MILLER	AUS	2000
2:24.55	BARBARA DUNBAR	USA	2000	2:48.88	ARDETH MUELLER	USA	1991	100 M.	I.M.		
2:24.79	STACEY WARMUTH	USA	2006	2:50.79	NORIKO KOBAMATSU	JPN	2006	1:12.50	LAURA VAL	USA	2003
2:26.17	KATHI LINDSTROM	USA	2005	50 M.	BRST			1:13.12	DANIELLE OGIER	USA	2002
2:26.32	KARIN MILGER	GER	2005	36.32	MAGGIE KELLY	GBR	2006	1:15.13	MELINDA MANN	USA	2006
400 M.	FREE			36.69	CHRISTIANE HEEREN	GER	1999	1:15.26	ANGELA ZINGLER	GER	2004
4:45.72	LAURA VAL	USA	2003	37.10	PETRA SCHROER	GER	2004	1:15.29	L.CRITTENDEN	USA	2006
4:54.01	DANIELLE OGIER	USA	2002	37.35	L.CRITTENDEN	USA	2006	1:15.74	HEATHER CAMPBELL	NZL	2006
4:57.68	JACKI HIRSTY	USA	2002	37.94	SUSAN JONES ROY	USA	2001	1:15.75	ROBIN PARISI	USA	2005
4:59.56	BARBARA DUNBAR	USA	2000	37.99	DANIELLE OGIER	USA	2002	1:16.02	JOEL FELDMANN	USA	2002
5:00.24	C.TARANTINO	ITA	2006	38.15	MELINDA MANN	USA	2006	1:16.08	J.SWAGERTY-HILL	USA	2002
5:00.34	SUSAN SKIFF	GER	2005	38.18	AVILA RHODES	CAN	2006	1:16.93	RENE STARRATT	CAN	2006
5:02.03	DIANNE FOSTER	CAN	1999	38.23	REGULA STEIGER	SUI	2002	200 M.	I.M.		
5:05.60	KATHI LINDSTROM	USA	2005	38.48	DAGMAR FRESE	GER	2006	2:37.52	DANIELLE OGIER	USA	2002
5:05.80	N.STEADMAN-MARTIN	USA	2004	100 M.	BRST			2:37.90	LAURA VAL	USA	2002
5:07.43	LAURA VACA	MEX	2003	1:22.53	PETRA SCHROER	GER	2003	2:43.19	MELINDA MANN	USA	2006
800 M.	FREE			1:22.53	SUSAN JONES ROY	USA	2001	2:43.84	ATIE PIJTAK	NED	2006
9:50.53	LAURA VAL	USA	2003	1:23.05	DANIELLE OGIER	USA	2002	2:46.27	LAURA VACA	MEX	2003
10:05.20	C.TARANTINO	ITA	2005	1:23.06	MELINDA MANN	USA	2006	2:46.44	ARDETH MUELLER	USA	1991
10:16.80	BARBARA DUNBAR	USA	2001	1:23.42	ULRIKE URBANIAK	GER	2004	2:47.14	HEATHER CAMPBELL	NZL	2005
10:21.03	LAURA VACA	MEX	2003	1:24.24	FRANCES PENWARDEN	GBR	2005	2:48.14	ANNE CORK	GBR	2001
10:23.48	DIANNE FOSTER	CAN	1999	1:24.34	L.CRITTENDEN	USA	2006	2:48.78	BRIGITTE MERTEN	GER	1997
10:25.50	SUSAN SKIFF	GER	2005	1:24.45	CHRISTIANE HEEREN	GER	1999	2:49.29	EVIE LYNCH	USA	2004
10:28.63	CHRISTIE CIRAULO	USA	2004	1:24.54	JENNIFER MERRITT	GBR	2002	400 M.	I.M.		
10:30.28	N.STEADMAN-MARTIN	USA	2006	1:24.75	DAGMAR FRESE	GER	2006	5:36.28	LAURA VAL	USA	2002
10:32.24	SHERYL WALSH	USA	2006	200 M.	BRST			5:44.22	DANIELLE OGIER	USA	2002
10:32.03	KATHI LINDSTROM	USA	2005	2:57.49	ULRIKE URBANIAK	GER	2003	5:51.84	LAURA VACA	MEX	2003
1500 M.	FREE			2:59.48	DANIELLE OGIER	USA	2002	5:56.24	ARDETH MUELLER	USA	1991
18:59.17	LAURA VAL	USA	2002	3:00.66	FRANCES PENWARDEN	GBR	2005	5:56.98	ATIE PIJTAK	NED	2006
19:16.80	C.TARANTINO	ITA	2006	3:00.98	CHRISTIANE HEEREN	GER	1999	6:01.25	BARBARA DUNBAR	USA	1999
19:31.34	BARBARA DUNBAR	USA	2000	3:01.22	MELINDA MANN	USA	2006	6:03.68	BRIGITTE MERTEN	GER	1997
19:56.25	CHRISTIE CIRAULO	USA	2004	3:01.25	JENNIFER MERRITT	GBR	2002	6:03.76	KATHI LINDSTROM	USA	2005
20:02.75	KATHI LINDSTROM	USA	2005	3:03.26	SUSAN JONES-ROY	USA	2001	6:06.24	ELAINE FINCHAM	USA	2005
20:17.96	N.STEADMAN-MARTIN	USA	2005	3:03.67	AVILA RHODES	CAN	2006	6:07.39	N.STEADMAN-MARTIN	USA	2006
20:21.69	SUSAN SKIFF	GER	2005	3:05.81	DEB WALKER	USA	2002	*****			
20:31.44	ARDETH MUELLER	USA	1991	3:06.37	KEIKO UTSUMI	JPN	2006	*****			
20:32.21	SHERYL WALSH	USA	2005	50 M.	FLY			*****			
20:38.45	MIDORI NAKAYAMA	JPN	2004	30.38	ANGELA ZINGLER	GER	2005	*****			
50 M.	BACK			31.16	LAURA VAL	USA	2001	*****			
32.55	J.SWAGERTY-HILL	USA	2002	31.39	SACHIKO SAITO	JPN	2006	50 M.	FREE		
32.72	LAURA VAL	USA	2005	31.97	ROBIN PARISI	USA	2005	28.99	LAURA VAL	USA	2006
34.05	JOEL FELDMANN	USA	2002	31.97	JOEL FELDMANN	USA	2002	29.87	CONNY BOER-BUIJS	NED	2005
34.32	EVIE LYNCH	USA	2005	32.50	ARDETH MUELLER	USA	1991	30.37	ARDETH MUELLER	USA	1996
34.53	ANGELA ZINGLER	GER	2004	32.51	CONNY BOER-BUYS	NED	2000	30.56	JUDY WILSON	GBR	2000
34.65	S.RAMOGER RIGAUD	FRA	2006	32.52	MELINDA MANN	USA	2006	30.59	ROSARIO VIVANCO	PER	2005
								30.63	COLNY TUCKER	USA	2006



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

34.84 SALLY BOLAR	USA	2005	1:25.53 PAM HUTCHINGS	AUS	2001	1:31.92 HELGA REICH	GER	2001
100 M. FREE			1:25.61 SILVANA ABREU	BRA	2006	1:33.07 CHRISTINE PARFECT	GBR	2004
1:10.97 CHRISTEL SCHULZ	GER	2005	1:26.96 BETSY JORDAN	USA	2002	1:33.10 GAIL ROPER	USA	1995
1:13.48 YOSHIKO OSAKI	JPN	2004	1:28.80 CHRISTEL SCHULZ	GER	2006	1:33.27 JUDIE OLIVER	CAN	1997
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	1:30.41 DORIS STEADMAN	USA	1989	1:34.93 HISAKO SATO	JPN	2001
1:17.08 JANE ASHER	GBR	1997	1:31.33 GRETHE BENDTSEN	DEN	1995	1:35.28 LYNN LUND	USA	2005
1:19.69 V.JOHANSSON	SWE	2002	1:32.03 JANET BROWN	GBR	2006	1:36.95 FLORA CONNOLLY	GBR	1999
1:19.87 HELGA REICH	GER	2002	1:32.67 SHOKO YONEZAWA	JPN	2002	200 M. FLY		
1:20.28 JAYNE BRUNER	USA	2000	1:32.80 JANE ASHER	GBR	1997	3:17.36 YOSHIKO OSAKI	JPN	2003
1:20.77 CLARA WALKER	USA	1996	200 M. BACK			3:28.93 HELGA REICH	GER	2002
1:21.05 SALLY BOLAR	USA	2005	3:08.42 CHRISTEL SCHULZ	GER	2006	3:29.98 SILVANA ABREU	BRA	2006
200 M. FREE			3:08.61 PAM HUTCHINGS	AUS	2001	3:31.98 FLORA CONNOLLY	GBR	1999
2:42.05 YOSHIKO OSAKI	JPN	2004	3:12.09 SILVANA ABREU	BRA	2006	3:32.93 JUNE KRAUSER	USA	1995
2:44.02 CHRISTEL SCHULZ	GER	2005	3:15.36 BETSY JORDAN	USA	2002	3:33.38 JUDIE OLIVER	CAN	1997
2:47.42 PAM HUTCHINGS	AUS	2002	3:15.72 DORIS STEADMAN	USA	1989	3:35.80 GAIL ROPER	USA	1995
2:50.40 JANE ASHER	GBR	1997	3:18.33 V.JOHANSSON	SWE	2002	3:42.95 LYNN LUND	USA	2005
2:53.83 SILVANA ABREU	BRA	2006	3:18.42 FLORA CONNOLLY	GBR	1999	3:43.66 HISAKO SATO	JPN	2000
2:54.15 GAIL ROPER	USA	1996	3:20.97 JANET BROWN	GBR	2006	3:46.40 BETSY JORDAN	USA	2002
2:55.27 LINDA MACPHERSON	CAN	2004	3:21.78 MARGA BRAUN	GER	2001	100 M. I.M.		
2:55.51 LAVELLE STOINOFF	USA	2002	3:22.18 YOSHIKO OSAKI	JPN	2006	1:24.95 YOSHIKO OSAKI	JPN	2005
2:56.41 HELGA REICH	GER	2001	50 M. BRST			1:25.00 CHRISTEL SCHULZ	GER	2005
2:56.46 V.JOHANSSON	SWE	2002	42.35 JOANN LEILICH	USA	2005	1:28.61 SHOKO YONEZAWA	JPN	2001
400 M. FREE			43.07 SHOKO YONEZAWA	JPN	2002	1:28.95 GAIL ROPER	USA	1996
5:46.94 YOSHIKO OSAKI	JPN	2003	43.27 ELIANE PELLIS	BEL	1998	1:29.34 SILVANA ABREU	BRA	2006
5:56.24 CHRISTEL SCHULZ	GER	2006	43.83 ROTRAUD PALMER	GBR	2006	1:30.38 KEIKO YAMADA	JPN	2003
5:59.10 LAVELLE STOINOFF	USA	2002	43.87 A.LEENE-RODAHL	NZL	1999	1:30.70 JANE ASHER	GBR	1996
6:00.99 JANE ASHER	GBR	1996	44.13 YOSHIKO OSAKI	JPN	2003	1:32.30 JOANN LEILICH	USA	2005
6:01.13 V.JOHANSSON	SWE	2001	44.55 JAYNE BRUNER	USA	2000	1:33.28 CLARA WALKER	USA	1995
6:02.13 HELGA REICH	GER	2001	44.57 LUISE KNOPFLE	GER	2004	1:34.00 ROTRAUD PALMER	GBR	2006
6:13.42 CLARA WALKER	USA	1992	44.61 EDITH BOHM	GER	1994	200 M. I.M.		
6:13.84 SARAH KOPSKY	USA	2006	44.87 FLORA CONNOLLY	GBR	1998	3:06.37 YOSHIKO OSAKI	JPN	2004
6:14.18 LINDA MACPHERSON	CAN	2003	100 M. BRST			3:15.59 FLORA CONNOLLY	GBR	2000
6:15.50 MARLENE MENDES	BRA	1999	1:32.37 JOANN LEILICH	USA	2004	3:18.77 CLARA WALKER	USA	1991
800 M. FREE			1:33.89 LUISE KNOPFLE	GER	2004	3:19.06 GAIL ROPER	USA	1996
11:49.70 YOSHIKO OSAKI	JPN	2003	1:34.50 MASAYO AZUMA	JPN	2000	3:19.87 JANE ASHER	GBR	1996
12:20.68 LAVELLE STOINOFF	USA	2002	1:36.24 SHOKO YONEZAWA	JPN	2001	3:20.86 SILVANA ABREU	BRA	2006
12:26.85 JANE ASHER	GBR	1999	1:36.45 FLORA CONNOLLY	GBR	1998	3:24.04 SHOKO YONEZAWA	JPN	2001
12:35.26 CLARA WALKER	USA	1992	1:36.52 ELIANE PELLIS	BEL	1998	3:24.26 JUDIE OLIVER	CAN	1998
12:36.40 HELGA REICH	GER	2002	1:36.57 YOSHIKO OSAKI	JPN	2003	3:25.55 HELGA REICH	GER	2003
12:44.20 SARAH KOPSKY	USA	2006	1:37.59 TAYO FUJIEDA	JPN	2003	3:26.59 BETSY JORDAN	USA	2002
12:49.22 LINDA MACPHERSON	CAN	2003	1:38.74 CHRISTINE PARFECT	GBR	2004	400 M. I.M.		
12:51.30 V.JOHANSSON	SWE	2003	1:39.16 ELEONORE OTTO	GER	2001	6:34.95 YOSHIKO OSAKI	JPN	2003
12:53.15 FLORA CONNOLLY	GBR	2000	200 M. BRST			6:57.58 FLORA CONNOLLY	GBR	2000
12:59.64 REIKO ISHIZAKI	JPN	2005	3:17.44 JOANN LEILICH	USA	2004	7:01.55 JUDIE OLIVER	CAN	1999
1500 M. FREE			3:20.83 LUISE KNOPFLE	GER	2004	7:07.28 SILVANA ABREU	BRA	2006
22:35.98 YOSHIKO OSAKI	JPN	2004	3:24.31 MASAYO AZUMA	JPN	2000	7:07.69 GAIL ROPER	USA	1996
23:38.44 CLARA WALKER	USA	1992	3:26.40 FLORA CONNOLLY	GBR	2000	7:12.40 HELGA REICH	GER	2003
23:44.34 JANE ASHER	GBR	1996	3:26.55 YOSHIKO OSAKI	JPN	2004	7:13.26 JUNE KRAUSER	USA	1995
24:11.37 SILVANA ABREU	BRA	2006	3:29.02 LOTTE MULLER	GER	1999	7:20.51 LYNN LUND	USA	2005
24:12.34 HELGA REICH	GER	2002	3:29.93 ELIANE PELLIS	BEL	1998	7:20.69 BETSY JORDAN	USA	2002
24:31.69 SUSAN MUNN	USA	2003	3:31.44 TAYO FUJIEDA	JPN	2002	7:20.76 CLARA WALKER	USA	1995
24:41.83 JUNE KRAUSER	USA	1991	3:32.00 SHOKO YONEZAWA	JPN	2000			
24:43.59 REIKO ISHIZAKI	JPN	2005	3:36.72 CHRISTINE PARFECT	GBR	2004			
25:07.47 BARBARA FENTIMAN	GBR	2003	50 M. FLY					
25:23.16 GAIL ROPER	USA	1996	36.36 CHRISTEL SCHULZ	GER	2005			
50 M. BACK			36.79 YOSHIKO OSAKI	JPN	2003			
37.47 SILVANA ABREU	BRA	2006	38.09 HISAKO SATO	JPN	2000			
38.25 PAM HUTCHINGS	AUS	2001	38.44 GAIL ROPER	USA	1995			
40.11 BETSY JORDAN	USA	2003	38.46 HAIKE HOLER	GER	2004			
40.48 DORIS STEADMAN	USA	1989	38.72 HARUMI SUGIMOTO	JPN	2003			
41.05 CHRISTEL SCHULZ	GER	2005	38.78 SARAH KOPSKY	USA	2006			
41.72 V.JOHANSSON	SWE	2001	38.91 SILVANA ABREU	BRA	2006			
41.89 SHOKO YONEZAWA	JPN	2003	39.11 JANE ASHER	GBR	1998			
42.00 GRETHE BENDTSEN	DEN	1995	39.66 HISAKO KITAYAMA	JPN	2003			
42.42 JANET BROWN	GBR	2006	100 M. FLY					
42.61 KEIKO YAMADA	JPN	2004	1:25.28 YOSHIKO OSAKI	JPN	2003			
100 M. BACK			1:29.13 CHRISTEL SCHULZ	GER	2006			

WOMEN 70-74

50 M. FREE			33.86 JANE ASHER	GBR	2004
35.14 GERD DURRE	GER	2006	35.37 GAIL ROPER	USA	1999
35.86 PAM HUTCHINGS	AUS	2006	36.34 HISAKO SATO	JPN	2006
36.87 SHOKO YONEZAWA	JPN	2005	36.91 LOTTIE GEURTS	NED	2006
36.94 JOHNNIE DETRICK	USA	2005	37.17 M. CUNNINGHAM	AUS	1996
37.39 OLGA KREJCI	SUI	2006	100 M. FREE		



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:16.45	JANE ASHER	GBR 2004	1:34.24	NANCY BROWN	USA 2006	1:39.02	JUDIE OLIVER	CAN 2002
1:18.67	GAIL ROPER	USA 1999	1:34.51	GRETHE BENDTSEN	DEN 2000	1:40.05	HISAKO SATO	JPN 2006
1:22.10	V.JOHANSSON	SWE 2005	1:35.27	JANE ASHER	GBR 2001	1:40.20	JUNE KRAUSER	USA 1996
1:22.57	PAM HUTCHINGS	AUS 2006	1:35.66	DORIS STEADMAN	USA 1995	1:47.18	SYLVIA NEUHAUSER	AUT 2000
1:22.99	LOTTIE GEURTS	NED 2006	1:36.72	PAM HUTCHINGS	AUS 2006	1:48.55	ANN HIRSCH	USA 2001
1:23.35	SHOKO YONEZAWA	JPN 2006	1:37.09	JOAN PARNELL	CAN 1999	1:49.82	TRICIA LIDDY	AUS 2006
1:23.56	NANCY BROWN	USA 2006	1:38.10	EVA JAROSOVA	CZE 2006	200 M.	FLY	
1:23.63	HELGA REICH	GER 2006	1:39.59	NANCY MACBETH	USA 1999	3:37.23	HELGA REICH	GER 2006
1:23.98	HISAKO SATO	JPN 2006	200 M.	BACK		3:38.39	JUNE KRAUSER	USA 1996
1:24.69	BARBARA FENTIMAN	GBR 2004	3:18.61	V.JOHANSSON	SWE 2005	3:44.96	JANE ASHER	GBR 2001
200 M.	FREE		3:20.96	JANE ASHER	GBR 2001	3:45.64	GAIL ROPER	USA 1999
2:49.28	JANE ASHER	GBR 2003	3:25.04	NANCY BROWN	USA 2006	3:55.59	JUDIE OLIVER	CAN 2004
2:58.06	GAIL ROPER	USA 2000	3:27.79	DORIS STEADMAN	USA 1995	3:58.01	BETTY RUSS	USA 1997
3:00.93	NANCY BROWN	USA 2006	3:29.29	JUDIE OLIVER	CAN 2002	4:03.04	SYLVIA EISELE	CAN 2000
3:01.39	HELGA REICH	GER 2006	3:31.52	PAM HUTCHINGS	AUS 2006	4:03.47	HISAKO SATO	JPN 2006
3:04.77	JEAN TROY	USA 1998	3:34.00	GRETHE BENDTSEN	DEN 2002	4:05.29	LOIS NOCHMAN	USA 1998
3:06.05	HISAKO SATO	JPN 2006	3:35.27	EVA JAROSOVA	CZE 2006	4:06.93	ANN HIRSCH	USA 2001
3:06.44	RONNIE KAMPHAUSEN	USA 2004	3:35.41	NANCY MACBETH	USA 1999	100 M.	I.M.	
3:06.86	LOTTIE GEURTS	NED 2006	3:35.68	MISAO MATSUMOTO	JPN 2006	1:27.80	SHOKO YONEZAWA	JPN 2005
3:07.16	JUNE KRAUSER	USA 1996	50 M.	BRST		1:32.23	GAIL ROPER	USA 2000
3:07.46	BARBARA FENTIMAN	GBR 2004	42.80	SHOKO YONEZAWA	JPN 2005	1:33.49	JANE ASHER	GBR 2003
400 M.	FREE		45.08	EDITH BOEHM	GER 1999	1:34.10	JUDIE OLIVER	CAN 2002
6:00.34	JANE ASHER	GBR 2003	45.55	MASAYO AZUMA	JPN 2005	1:35.21	HELGA REICH	GER 2006
6:19.80	HELGA REICH	GER 2006	45.56	ERIKA LANGE	GER 1998	1:36.29	V.ANN JOHANSSON	SWE 2006
6:24.11	BARBARA FENTIMAN	GBR 2004	46.50	ELIANE PELLIS	BEL 2006	1:37.81	NANCY MACBETH	USA 1999
6:27.21	GAIL ROPER	USA 1999	46.99	SYLVIA EISELE	CAN 2000	1:38.73	JUNE KRAUSER	USA 1996
6:28.81	JUNE KRAUSER	USA 1996	47.29	ANN HIRSCH	USA 2001	1:38.95	NANCY BROWN	USA 2006
6:29.70	HISAKO SATO	JPN 2006	47.69	I.KEUSCH-RENNER	GER 2004	1:39.14	GRETHE BENDTSEN	DEN 2000
6:30.94	NANCY BROWN	USA 2006	47.80	ODETTE LUSIEN	FRA 1997	200 M.	I.M.	
6:32.39	RONNIE KAMPHAUSEN	USA 2004	47.90	A.VAN OBBERGHEN	BEL 2002	3:21.52	JUDIE OLIVER	CAN 2002
6:41.64	DIANE STOWELL	USA 2004	100 M.	BRST		3:24.64	JANE ASHER	GBR 2001
6:45.83	FLORENCE CARR	USA 1995	1:35.58	SHOKO YONEZAWA	JPN 2005	3:25.28	HELGA REICH	GER 2006
800 M.	FREE		1:36.94	MASAYO AZUMA	JPN 2005	3:26.44	SHOKO YONEZAWA	JPN 2006
12:30.00	JANE ASHER	GBR 2004	1:42.61	ELIANE PELLIS	BEL 2006	3:30.92	GAIL ROPER	USA 1999
13:00.04	BARBARA FENTIMAN	GBR 2004	1:42.62	EDITH BOEHM	GER 1999	3:31.29	JUNE KRAUSER	USA 1999
13:03.64	HELGA REICH	GER 2006	1:44.50	ANN HIRSCH	USA 2001	3:32.12	V.JOHANSSON	SWE 2005
13:07.28	JUNE KRAUSER	USA 1996	1:44.73	DIANE STOWELL	USA 2004	3:33.45	NANCY BROWN	USA 2006
13:23.18	HISAKO SATO	JPN 2006	1:44.80	SYLVIA NEUHAUSER	AUT 2000	3:37.89	NANCY MACBETH	USA 1999
13:30.87	NANCY BROWN	USA 2006	1:45.56	A.VAN OBBERGHEN	BEL 2001	3:39.21	MASAYO AZUMA	JPN 2005
13:35.09	DIANE STOWELL	USA 2005	1:45.87	ERIKA LANGE	GER 1998	400 M.	I.M.	
14:01.77	DENISE ROBERTSON	AUS 2006	1:46.15	TRICIA LIDDY	AUS 2006	7:09.96	JANE ASHER	GBR 2001
14:08.33	BETTY RUSS	USA 1997	200 M.	BRST		7:19.12	JUDIE OLIVER	CAN 2002
14:09.09	GAIL ROPER	USA 2002	3:28.98	MASAYO AZUMA	JPN 2005	7:24.32	JUNE KRAUSER	USA 1996
1500 M.	FREE		3:30.16	SHOKO YONEZAWA	JPN 2005	7:34.98	URSULA FROHLICH	GER 2005
23:54.74	JANE ASHER	GBR 2004	3:43.02	DIANE STOWELL	USA 2005	7:36.99	GAIL ROPER	USA 1999
24:56.47	BARBARA FENTIMAN	GBR 2004	3:44.03	JUDIE OLIVER	CAN 2002	7:47.34	NANCY BROWN	USA 2006
24:57.85	JUNE KRAUSER	USA 1996	3:44.57	ELIANE PELLIS	BEL 2004	7:48.97	NANCY MACBETH	USA 1999
25:14.99	HELGA REICH	GER 2006	3:45.66	ANN HIRSCH	USA 2001	7:52.30	SYLVIA NEUHAUSER	AUT 2000
25:40.21	GAIL ROPER	USA 1999	3:48.92	ERIKA LANGE	GER 1998	8:02.39	SYLVIA EISELE	CAN 2000
26:05.82	NANCY BROWN	USA 2006	3:49.85	GAIL ROPER	USA 1999	8:05.34	ANN HIRSCH	USA 2001
26:18.70	PETHEY SMITH	USA 1994	3:49.98	JANE ASHER	GBR 2001			
26:40.45	DENISE ROBERTSON	AUS 2005	3:50.48	SYLVIA NEUHAUSER	AUT 2000			
26:44.39	ADRIENNE PIPES	USA 2005	50 M.	FLY				
26:58.93	MISAO MATSUMOTO	JPN 2006	39.44	JANE ASHER	GBR 2004			
50 M.	BACK		40.56	HISAKO SATO	JPN 2006			
41.23	SHOKO YONEZAWA	JPN 2005	40.58	HAIKE HOLER	GER 2006			
41.45	GERD DURRE	GER 2006	40.66	GAIL ROPER	USA 1999			
42.58	DORIS STEADMAN	USA 1995	41.16	HELGA REICH	GER 2006			
42.85	V.JOHANSSON	SWE 2005	42.47	JUDIE OLIVER	CAN 2002			
42.86	GRETHE BENDTSEN	DEN 2000	44.54	MASUMI TANI	JPN 1996			
43.15	JANE ASHER	GBR 2001	45.17	JUNE KRAUSER	USA 1996			
43.19	NANCY BROWN	USA 2006	45.44	EDITH BOEHM	GER 1999			
43.23	PAM HUTCHINGS	AUS 2006	45.61	V.JOHANSSON	SWE 2005			
43.45	JOAN PARNELL	CAN 1999	100 M.	FLY				
44.50	EVA JAROSOVA	CZE 2006	1:34.70	JANE ASHER	GBR 2001			
100 M.	BACK		1:34.86	HELGA REICH	GER 2006			
1:31.24	SHOKO YONEZAWA	JPN 2005	1:37.56	GAIL ROPER	USA 1999			
1:31.31	V.JOHANSSON	SWE 2005	1:38.39	HAIKE HOLER	GER 2006			

WOMEN 75-79

50 M.	FREE	
35.88	JANE ASHER	GBR 2006
37.24	GAIL ROPER	USA 2004
38.85	M. CUNNINGHAM	AUS 2002
38.89	JEAN TROY	USA 2002
39.06	KERSTIN GJORES	SWE 2002
39.73	OLGA JOHNSON	NZL 1996
39.84	BETTY RUSS	USA 2004
39.92	BRITT GRILLI	SWE 2003
39.96	FLORENCE CARR	USA 2001
39.97	MITSUKO KOMURO	JPN 2006
100 M.	FREE	
1:18.59	JANE ASHER	GBR 2006
1:24.31	GAIL ROPER	USA 2005



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

26.22	KEITARU KONNAI	JPN	2004	100 M. FLY		23.27	ANDRE CORDEIRO	BRA	2006		
26.30	PANU LONKA	FIN	1996	53.93	STEFAN HERBST	GER	2004	23.31	STEPHANE MEYER	FRA	2006
100 M. BACK				54.83	JASON EADDY	USA	2002	23.31	KEITH ANDERSON	USA	2002
55.04	STEFAN HERBST	GER	2005	54.89	JEFF DASH	USA	2006	100 M. FREE			
55.15	TERO RATY	FIN	2004	54.98	CURTIS SAWIN	USA	2000	50.51	ROWDY GAINES	JPN	1989
55.42	TAKAFUMI OISHI	JPN	2005	55.21	ARAKEN MOREIRA	BRA	2005	50.53	KLAUS HUEZ	ITA	2004
55.76	JOHN KEPPELER	USA	1995	55.50	ANDREW MANLEY	GBR	2002	50.71	MICHAEL PICOTTE	USA	2003
55.97	MARTIN HARRIS	GBR	1994	55.54	YOHEI KATO	JPN	2006	50.94	STEPHANE MEYER	FRA	2006
56.02	JIRI LEPOLA	FIN	2002	55.82	JEFF LEE	SWE	2006	50.94	JOCHEN BRUHA	GER	2001
56.48	TAKUMA YAMAOKA	JPN	2003	55.83	SHOTA YAMAGUCHI	JPN	2005	50.97	JOHN KEPPELER	USA	1999
56.51	MASAKAZU HINATA	JPN	2002	55.85	ROBERTO FIUZA	BRA	1998	51.05	ED WAGNER	USA	2002
56.60	KENTARO NAKAMURA	JPN	2002	200 M. FLY		51.37	AUSTYN SHORTMAN	GBR	2003		
56.76	JONATHAN AUDIS	GBR	2006	2:01.74	LOIC LEROY	FRA	2006	51.51	OZZIE QUEVEDO	USA	2006
200 M. BACK				2:02.05	KIMITAKA MINOBE	JPN	2003	51.61	A.LUDERITZ	GER	2003
1:56.22	STEFAN HERBST	GER	2006	2:03.59	JASON EADDY	USA	2002	200 M. FREE			
2:01.14	DEAN KENT	NZL	2005	2:04.83	SHOTA YAMAGUCHI	JPN	2005	1:49.00	CHRISTOPH HILMER	GER	2006
2:01.78	MARTIN HARRIS	GBR	1994	2:05.26	STEVEN MELLOR	GBR	2000	1:50.91	ROWDY GAINES	JPN	1989
2:02.63	JOHN KEPPELER	USA	1995	2:05.92	J.LIPAVSKY	CZE	2002	1:52.04	JOHN KEPPELER	USA	1999
2:03.69	SHINYA HAYASHI	JPN	2006	2:05.97	GAVIN LILLEY	GBR	1993	1:52.42	JOCHEN BRUHA	GER	2001
2:04.07	DARRYL FOLLOWS	NZL	1993	2:06.13	JEFF DASH	USA	2006	1:52.83	BRUCE HAYES	USA	1994
2:05.18	C.SHEPPARD	USA	2006	2:06.27	FABRICE BEAUNOIR	FRA	2001	1:53.66	DAN STEPHENSON	USA	1989
2:05.18	ALEXANDER KAHL	GER	2005	2:06.63	A.ANGELOTTI	BRA	2001	1:53.69	BERNIE ZERUHN	USA	2005
2:05.64	TAKUMA YAMAOKA	JPN	2003	100 M. I.M.		1:53.81	NORBERT AGH	USA	2001		
2:05.95	J PAPILLON	FRA	1998	55.20	STEFAN HERBST	GER	2004	1:53.87	TADAO INEYAMA	JPN	2003
50 M. BRST				56.65	JEFF COMMINGS	USA	2003	1:54.18	DAN WEGNER	USA	2001
27.69	RUSS PATRICK	CAN	2003	56.76	ATTILA CZENE	USA	2001	400 M. FREE			
27.76	EDUARDO FISCHER	BRA	2005	57.33	TERO RATY	FIN	2004	3:58.40	ALEX KOSTICH	USA	2000
28.11	NAOKI NAGURA	JPN	2006	57.39	DEAN KENT	NZL	2005	3:59.83	BRUCE HAYES	USA	1994
28.26	MATTHIAS RUMPF	GER	2005	57.40	ANDREW MANLEY	GBR	2003	4:00.26	SEBASTIAN WIESE	GER	2004
28.28	NICOLAS CANIVET	FRA	2004	57.57	JESPER LEVANDER	SWE	2006	4:02.66	ROWDY GAINES	JPN	1989
28.60	JEFF COMMINGS	USA	2003	57.58	MARTIN HARRIS	GBR	1994	4:03.85	GLAUCO RANGEL	BRA	2002
28.69	HIDEAKI TOGO	JPN	1999	57.70	GUY FARROW	AUS	1990	4:05.17	ROLAND LEE	GBR	1996
28.81	GUY FARROW	AUS	1990	57.87	DENNIS OTZEN	DEN	2004	4:05.71	JEFF UTSCH	USA	1997
28.86	JEREMY LINN	USA	2001	200 M. I.M.		4:06.26	FABIEN CZACHOR	FRA	2006		
28.94	FABIANO BORGES	BRA	2002	2:00.56	STEFAN HERBST	GER	2006	4:06.33	TONY LENNARTSSON	SWE	1995
100 M. BRST				2:01.58	DEAN KENT	NZL	2005	4:06.64	CYRIL CAVAGNA	FRA	2003
1:00.28	EDUARDO FISCHER	BRA	2005	2:03.28	AURELIEN COQ	FRA	2004	800 M. FREE			
1:02.31	MATTHIAS RUMPF	GER	2005	2:05.66	ANDREW MANLEY	GBR	2004	8:17.06	ALEX KOSTICH	USA	2000
1:02.49	SIMON LEIGHFIELD	AUS	2002	2:05.93	JOHN KEPPELER	USA	1995	8:19.13	SEBASTIAN WIESE	GER	2004
1:02.51	NICOLAS CANIVET	FRA	2004	2:05.98	KAZUYA KUROSU	JPN	2003	8:19.44	BRUCE HAYES	USA	1994
1:02.61	RUSS PATRICK	CAN	2003	2:06.84	J HORKY	CZE	1997	8:32.66	ANDREA MARCATO	ITA	2006
1:02.83	JEFF COMMINGS	USA	2003	2:06.96	EDUARDO SCHIESARI	BRA	2004	8:34.26	DAN STEPHENSON	USA	1989
1:02.87	HIDEAKI TOGO	JPN	1999	2:07.07	JEFF COMMINGS	USA	2003	8:34.46	ANTONIO D'ARAI	ITA	2005
1:03.29	NICK POLKINGHORNE	GBR	1999	2:07.47	MARC RINZLER	USA	1998	8:34.69	FABIO AFFRICANO	ITA	2005
1:03.62	CHRISTOPHER JONES	GBR	2006	400 M. I.M.		8:35.17	TONY LENNARTSSON	SWE	1995		
1:03.77	JENS BUNGER	GER	1994	4:20.94	DEAN KENT	NZL	2005	8:38.44	FABIEN CZACHOR	FRA	2006
200 M. BRST				4:26.79	JOHN KEPPELER	USA	1995	8:38.75	DAN GOERKE	USA	1989
2:15.42	SIMON LEIGHFIELD	AUS	2002	4:26.97	ALEX KOSTICH	USA	1997	1500 M. FREE			
2:18.04	CHRISTOPHER JONES	GBR	2006	4:30.99	MARCEL RINZLER	USA	2000	15:51.07	ALEX KOSTICH	USA	2000
2:18.21	FABIO SILVA	BRA	2006	4:33.17	JEROME FRENTSOS	USA	1995	16:11.71	ANDREA MARCATO	ITA	2004
2:19.40	S.YOSHIKURA	JPN	2006	4:34.06	G.ORPHANIDES	GBR	2003	16:15.49	MIKE SHAFFER	USA	1995
2:19.76	OLIVER VINENZETTI	GER	2005	4:34.11	A.ANGELOTTI	BRA	2001	16:20.43	FABIEN CZACHOR	FRA	2006
2:20.30	AUDY OKTAVIAN	USA	2003	4:36.12	CRAIG PICKERING	USA	2006	16:21.25	BRUCE HAYES	USA	1994
2:20.38	C.BRUNSON	USA	2006	4:37.03	MATHIAS HAAK	GER	1999	16:26.83	JEFF UTSCH	USA	1997
2:20.40	STUART NOTMAN	GBR	2004	4:38.48	MATTHEW DRISCOLL	GBR	1997	16:36.40	FABIO AFFRICANO	ITA	2005
2:20.43	ABRAHAM SOLANO	USA	1996	*****				16:36.85	COLIN OVINGTON	GBR	2001
2:21.23	SCOTT CAMPEA	USA	2000	*****				16:39.54	FUMIO AMANO	JPN	2004
50 M. FLY				M E N 30-34				16:47.64	EDWIN NORDEN	NED	1995
24.24	D. BURGESS LAIRD	USA	1989	*****				50 M. BACK			
24.29	STEFAN HERBST	GER	2004	50 M. FREE				25.54	MARTIN ZUBERO	USA	2001
24.80	ARAKEN MOREIRA	BRA	2005	22.68	AUSTYN SHORTMAN	GBR	2003	25.67	HAJIME ITOI	JPN	2001
24.84	LEONARDO FRANCA	BRA	2005	22.76	ED WAGNER	USA	2002	25.95	DEREK ROBINSON	USA	2000
24.89	JOAKIM DAHL	SWE	2002	22.82	ROWDY GAINES	JPN	1989	26.03	MARTIN HARRIS	GBR	2000
24.91	FRANCIS NASSAR	BRA	2002	22.99	MICHAEL PICOTTE	USA	2003	26.13	STEFFEN SCHMOLKE	GER	2001
24.98	OSWALDO QUEVEDO	USA	2005	23.08	BRIAN JACOBSON	USA	2006	26.20	TAKAFUMI OISHI	JPN	2006
25.01	JASON EADDY	USA	2002	23.15	LARS-OVE JANSSON	SWE	1999	26.27	JOHN WINTER	NZL	2002
25.02	FERNANDO SCHERER	BRA	2003	23.21	M.GIALDI	ITA	2002	26.58	JAY YARID	USA	1994
25.05	G DIAZ DE LEON	USA	2003	23.24	CHRISTOPH BUHLER	SUI	2004	26.65	KENTARO NAKAMURA	JPN	2005



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

27.18 GIUSEPPE TIANO	ITA	2006	100 M. FLY		24.18 ROBERTO TARRICONE	ITA	2003	
27.30 MARCO ORSINI	ITA	2005	55.85 JIM HARVEY	USA	2001	24.26 JEAN MICHEL	FRA	2006
100 M. BACK			56.32 MICHAEL ROSS	USA	2004	100 M. FREE		
55.95 MICHAEL ROSS	USA	2004	56.59 TAIHEI SAKA	JPN	2003	52.07 KAI DITZEL	GER	2004
56.93 RON KARNAUGH	USA	2002	56.62 HIROYUKI NAKAMURA	JPN	2006	52.07 CYRO DELGADO	BRA	2002
57.69 CHRIS JONES	GBR	2006	56.73 MIKE SHAFFER	USA	2000	52.39 JOAKIM SJOHOLM	SWE	2004
58.20 JIM HARVEY	USA	2001	56.86 JOCHEN BRUHA	GER	2004	52.44 PAUL SMITH	USA	2001
58.25 CLAY BRITT	USA	1996	57.02 WILLIAM SPECHT	USA	1993	52.85 MARK REYNOLDS	GBR	2005
58.30 MATTHEW O'CONNOR	ESP	2006	57.12 CHARLIE JOHNSON	USA	2001	53.04 MARCEL EKKELEBOOM	GER	2005
58.50 NICOLAS GRANGER	FRA	2002	57.15 RON KARNAUGH	USA	2003	53.20 METELLO SAVINO	ITA	2005
58.63 JEFF WELECHUK	CAN	2005	57.22 MARCEL EKKELEBOOM	GER	2002	53.20 JACK GROSELLE	USA	1998
58.69 MARTIN HARRIS	NZL	2005	200 M. FLY			53.25 RICK ABBOTT	USA	1995
58.78 GIUSEPPE TIANO	ITA	2006	2:04.50 BOBBY PATTEN	USA	1999	53.39 PETER MCKINNON	CAN	2005
200 M. BACK			2:05.84 MIKE SHAFFER	USA	2000	53.39 RICARDO SANTOS	BRA	2003
2:00.34 RON KARNAUGH	USA	2002	2:06.23 ERIK HOCHSTEIN	USA	2003	200 M. FREE		
2:04.21 CHRIS JONES	GBR	2006	2:06.48 WILLIAM SPECHT	USA	1994	1:53.03 KAI DITZEL	GER	2004
2:06.95 YOSHIHITO NAKAHARA	JPN	2005	2:06.87 TAIHEI SAKA	JPN	2003	1:55.11 F.SILVESTRI	ITA	2003
2:07.12 JEROME FRENTSOS	USA	2000	2:07.20 CHARLIE JOHNSON	USA	1999	1:56.06 CYRO DELGADO	BRA	2005
2:07.80 MARK VOGEL	DEN	2006	2:08.16 HIROYUKI NAKAMURA	JPN	2005	1:56.44 PAUL SMITH	USA	2001
2:08.54 MARCEL RINZLER	USA	2006	2:08.75 JEROME FRENTSOS	USA	2000	1:57.76 BRADLEY HOWE	USA	2004
2:08.57 JOHN KEPPELER	USA	2003	2:08.86 DENNIS BAKER	USA	2000	1:57.83 HESS YNTEMA	USA	1995
2:08.97 DARRYL FOLLOWS	NZL	2002	2:09.45 MARK MAGEE	USA	2006	1:57.91 MARK REYNOLDS	GBR	2005
2:09.04 JEFF WELECHUK	CAN	2005	100 M. I.M.			1:57.92 MICHAEL PRUFERT	GER	2005
2:09.45 GIUSEPPE TIANO	ITA	2006	56.94 RON KARNAUGH	USA	2003	1:58.07 DAVID BOATWRIGHT	USA	2003
50 M. BRST			58.36 MICHAEL ROSS	USA	2006	1:58.17 EDWIN VAN NORDEN	NED	2003
28.75 RON KARNAUGH	USA	2002	58.36 JIM HARVEY	USA	2001	400 M. FREE		
28.77 WALLY DICKS	USA	1998	58.97 NICOLAS GRANGER	FRA	2002	4:00.67 KAI DITZEL	GER	2004
28.87 GERALD MORKEN	GER	1997	59.05 PETER BERMEL	GER	2002	4:05.30 F.SILVESTRI	ITA	2003
28.95 RON DEKKER	NED	2003	59.11 JEROME FRENTSOS	USA	2000	4:08.39 MIKE SHAFFER	USA	2005
29.05 ANDREA AGOSTINONE	ITA	2006	59.28 CLAY BRITT	USA	1998	4:09.10 WILLIAM SPECHT	USA	1999
29.37 NICK GILLINGHAM	GBR	2004	59.29 EDWIN VAN NORDEN	NED	1999	4:09.31 HESS YNTEMA	USA	1995
29.59 JOHANN HOHL	AUT	2006	59.43 HASSE NILSSON	SWE	2004	4:09.81 MICHAEL KLEIBER	GER	2003
29.70 EITA TSUMURA	JPN	2006	59.59 KAZUHIKO YAMAKAWA	JPN	2006	4:10.07 MICHAEL PRUFERT	GER	2005
29.89 HAJIME MORIMOTO	JPN	2004	200 M. I.M.			4:11.94 GRAHAM WELBOURN	CAN	2003
29.90 FABIO CAVALLI	ITA	2005	2:03.29 RON KARNAUGH	USA	2002	4:13.17 RICARDO VALDIVIA	USA	2006
100 M. BRST			2:07.21 JIM HARVEY	USA	2001	4:13.84 GEOFF GLASER	USA	2004
1:02.57 RON KARNAUGH	USA	2002	2:07.31 NICOLAS GRANGER	FRA	2004	800 M. FREE		
1:02.62 NICK GILLINGHAM	GBR	2004	2:07.60 PETER BERMEL	GER	2002	8:31.69 KAI DITZEL	GER	2005
1:02.79 WALLY DICKS	USA	2000	2:08.21 EDWIN VAN NORDEN	NED	1999	8:33.16 F.SILVESTRI	ITA	2003
1:04.02 GERALD MORKEN	GER	1997	2:08.34 JEROME FRENTSOS	USA	2000	8:33.19 MICHAEL KLEIBER	GER	2003
1:04.37 RON DEKKER	NED	2003	2:08.79 CHRIS JONES	GBR	2006	8:38.31 MICHAEL PRUFERT	GER	2004
1:04.38 HAJIME MORIMOTO	JPN	2004	2:09.92 LORENZO BENUCCI	USA	2005	8:41.16 MIKE SHAFFER	USA	2006
1:04.68 ALBERTO MONTINI	ITA	2003	2:10.48 MARCEL RINZLER	USA	2006	8:41.68 RICARDO VALDIVIA	USA	2006
1:04.89 EITA TSUMURA	JPN	2006	2:10.84 ROBIN BREW	GBR	1997	8:46.43 GRAHAM WELBOURN	CAN	2003
1:05.52 ANDREA AGOSTINONE	ITA	2006	400 M. I.M.			8:46.71 DENNIS BAKER	USA	2004
1:06.42 LORENZO BENUCCI	USA	2005	4:24.36 RON KARNAUGH	USA	2003	8:46.89 BRETT PHILLIPS	USA	2001
200 M. BRST			4:34.06 JEROME FRENTSOS	USA	2000	8:49.83 HESS YNTEMA	USA	1995
2:16.49 NICK GILLINGHAM	GBR	2004	4:37.47 MARCEL RINZLER	USA	2006	1500 M. FREE		
2:17.96 RON KARNAUGH	USA	2002	4:39.42 EDWIN VAN NORDEN	NED	1999	16:23.95 F.SILVESTRI	ITA	2003
2:20.26 WALLY DICKS	USA	2000	4:39.97 DARIUSZ WOLNY	POL	1999	16:28.84 MIKE SHAFFER	USA	2005
2:20.49 HAJIME MORIMOTO	JPN	2003	4:40.30 F.SILVESTRI	ITA	2002	16:37.00 KAI DITZEL	GER	2005
2:20.99 ALBERTO MONTINI	ITA	2005	4:40.84 ROBIN BREW	GBR	1997	16:37.00 MICHAEL KLEIBER	GER	2003
2:22.64 SERGE SCORE	CAN	1996	4:41.25 A.TIBERTI	ITA	2001	16:42.00 GEORGE TIDMARSH	USA	2003
2:24.48 JONATHAN BANVILLE	USA	2005	4:41.94 ROQUE SANTOS	USA	2006	16:51.71 HESS YNTEMA	USA	1995
2:24.58 ROQUE SANTOS	USA	2005	4:43.45 LORENZO BENUCCI	USA	2005	16:52.71 BOBBY PATTEN	USA	2003
2:25.66 PETER BERMEL	GER	2002	*****			17:04.30 A.LAVEGLIA	ITA	2006
2:25.83 NIGEL MASTERS	GBR	2006	*****			17:05.50 STEFANO SEGUITI	ITA	2002
50 M. FLY			M E N 40-44			17:05.75 LEN GUSHE	CAN	2005
24.48 JAN KARLSSON	SWE	2003	*****			50 M. BACK		
25.23 BRIAN ALDERMAN	USA	2005	50 M. FREE			27.28 ERIC ERICSON	USA	2002
25.29 MICHAEL ROSS	USA	2004	23.68 R.ALVES SANTOS	BRA	2003	27.44 J CLAY BRITT	USA	2001
25.30 HIDEYUKI CHIGIRA	JPN	2006	23.75 JOAKIM SJOHOLM	SWE	2003	27.46 FRITZ LEHMAN	USA	2002
25.32 WADE KING	USA	2002	23.83 METELLO SAVINO	ITA	2006	27.49 CRAIG NORREY	SUI	2005
25.41 RON KARNAUGH	USA	2002	23.87 CYRO DELGADO	BRA	2005	27.78 HIROYOSHI MAETOGE	JPN	2005
25.44 JIM HARVEY	USA	2001	23.90 JANNE VIRTANEN	FIN	2004	27.80 ANDREA TOJA	ITA	2006
25.55 KAZUHIKO YAMAKAWA	JPN	2004	24.00 PAUL SMITH	USA	2001	27.84 WILLIAM SPECHT	USA	1998
25.60 TAIHEI SAKA	JPN	2001	24.09 BRENT BARNES	JPN	1999	28.08 PETER MCKINNON	CAN	2005
25.66 HARTMUT BERNER	GER	2004	24.18 CHUCK PONTHER	USA	2005	28.33 JAY YARID	USA	2006



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

28.34	STEVE WOOD	USA	2004	56.18	WILLIAM SPECHT	USA	1998	24.80	LARRY FORSYTH	AUS	2005
100 M.	BACK			56.62	HARTMUT BERNER	GER	2005	100 M.	FREE		
57.66	ERIC ERICSON	USA	2002	56.82	TAIHEI SAKA	JPN	2004	53.04	MARCO COLOMBO	ITA	2005
58.28	J CLAY BRITT	USA	2003	57.53	ROBERTO TARRICONE	ITA	2003	53.61	BRENT BARNES	JPN	2005
59.26	WILLIAM SPECHT	USA	1998	57.56	MARCEL EKKELEBOOM	GER	2005	53.76	DAVID BOATWRIGHT	USA	2006
59.91	HIROYOSHI MAETOGE	JPN	2005	57.65	ANDREA TOJA	ITA	2006	54.13	V.GALAVTINE	RUS	1998
59.94	EDWIN VAN NORDEN	NED	2003	57.77	PAUL CARTER	USA	2001	54.34	JACK GROSELLE	USA	2003
1:00.39	JAY YARID	USA	2006	58.05	MIKE SHAFFER	USA	2006	54.47	CYRO DELGADO	BRA	2006
1:00.46	PETER MCKINNON	CAN	2005	58.05	ROBERTO CLAUSI JR	BRA	2004	54.47	LARRY FORSYTH	AUS	2005
1:00.78	CHRIS STEVENSON	USA	2006	58.16	CYRO DELGADO	BRA	2002	54.50	PAUL SMITH	USA	2006
1:01.07	ANDREA TOJA	ITA	2006	200 M.	FLY			54.62	G.GIGLIETTI	ITA	2006
1:01.11	DARIUSZ WOLNY	POL	2000	2:02.97	WILLIAM SPECHT	USA	1998	54.74	JOE REINHARDT	USA	2006
200 M.	BACK			2:06.48	DENNIS BAKER	USA	2005	200 M.	FREE		
2:08.26	ERIC ERICSON	USA	2002	2:07.64	MIKE SHAFFER	USA	2006	1:56.74	MARCUS MATTIOLI	BRA	2006
2:09.61	WILLIAM SPECHT	USA	1998	2:08.46	JAMES BELARDI	USA	1997	1:57.74	MARCO COLOMBO	ITA	2005
2:10.51	EDWIN VAN NORDEN	NED	2004	2:09.09	HESS YNTEMA	USA	1995	1:57.99	PAUL SMITH	USA	2004
2:10.73	LEN GUSHE	CAN	2005	2:11.38	A.LAVEGLIA	ITA	2006	2:00.13	TIM BRODERICK	USA	1996
2:11.17	FRITZ LEHMAN	USA	2002	2:12.65	A.TIBERTI	ITA	2004	2:00.16	DAVID BOATWRIGHT	USA	2006
2:11.38	CHRIS STEVENSON	USA	2006	2:13.12	OLIVIER GALLET	FRA	2006	2:01.47	BOB BUGG	USA	2004
2:13.44	DAVE TOWN	CAN	2002	2:13.20	MARC CHALANSONNET	FRA	2006	2:01.89	BRENT BARNES	JPN	2003
2:13.48	N.LECHEVALIER	FRA	2005	2:13.43	BOBBY PATTEN	USA	2003	2:01.98	LEE MENCH	USA	1997
2:13.93	PETER MCKINNON	CAN	2005	100 M.	I.M.			2:02.33	FRANK CHRISTIAN	AUS	2005
2:15.37	WOJTECH BLECHAR	GER	2005	59.57	ROBERTO TARRICONE	ITA	2003	2:02.45	B.BORDONALI	ITA	2006
50 M.	BRST			1:00.43	JOAKIM SJOHOLM	SWE	2004	400 M.	FREE		
29.49	WOLFGANG JARMER	GER	2006	1:00.44	EDWIN VAN NORDEN	NED	2003	4:08.93	MARCUS MATTIOLI	BRA	2005
29.50	GERHARD AMMER	GER	1999	1:00.54	J CLAY BRITT	USA	2001	4:14.73	JIM MCCONICA	USA	1999
29.90	PLAMEN ALEXANDROV	USA	2001	1:00.80	MARCEL EKKELEBOOM	GER	2005	4:18.03	JIMMY FURRER	SUI	2004
30.14	MARCO BOBBIO	ITA	2004	1:00.90	HARTMUT BERNER	GER	2005	4:18.13	B.BORDONALI	ITA	2006
30.15	ROBERTO TARRICONE	ITA	2004	1:01.14	ROBERTO CLAUSI JR	BRA	2004	4:18.44	TIM BRODERICK	USA	1996
30.16	PEDRO HERNANDEZ	PUR	2005	1:01.48	PAUL SMITH	USA	2001	4:20.25	STEVE SUSSEX	USA	2000
30.18	CHRIS WEISSMAN	USA	2003	1:01.63	DAVID ZUBERO	USA	2001	4:20.85	MARK DRENNEN	USA	2005
30.29	SEAN FRAMPTON	USA	2006	1:01.69	DAVE TOWN	CAN	2003	4:21.20	WILLIAM SPECHT	USA	2003
30.31	WALLY DICKS	USA	2003	200 M.	I.M.			4:21.52	BRETT PHILLIPS	USA	2003
30.31	DON SMITH	USA	2001	2:12.25	JIM SORENSEN	USA	1998	4:22.18	FRANK CHRISTIAN	AUS	2005
100 M.	BRST			2:12.86	EDWIN VAN NORDEN	NED	2006	800 M.	FREE		
1:05.79	PLAMEN ALEXANDROV	USA	2002	2:13.04	DARIUSZ WOLNY	POL	2000	8:55.41	B.BORDONALI	ITA	2006
1:05.84	WALLY DICKS	USA	2006	2:13.33	DAVE TOWN	CAN	2003	8:56.08	TIM BRODERICK	USA	1996
1:06.21	CHRIS WEISSMAN	USA	2003	2:13.92	STEPHEN SMITH	USA	2006	8:59.81	MARK DRENNEN	USA	2005
1:06.50	RON SCHAFER	USA	1997	2:15.01	ANDERS RASMUSSEN	USA	2004	9:01.57	JIMMY FURRER	SUI	2004
1:06.51	PEDRO HERNANDEZ	PUR	2005	2:15.07	SPENCER ELDRED	USA	1996	9:07.63	STEVE SUSSEX	USA	2000
1:06.56	SEAN FRAMPTON	USA	2006	2:15.28	HESS YNTEMA	USA	1995	9:07.81	PASCAL MURCURI	FRA	2006
1:07.78	THOMAS LIGL	GER	2005	2:15.67	EDMUND GENDREAU	USA	2002	9:07.88	FRANK CHRISTIAN	AUS	2005
1:07.81	MARCO BOBBIO	ITA	2004	2:15.75	LEN GUSHE	CAN	2005	9:08.02	MATTHEW BAILEY	USA	2006
1:07.98	C.D. MILTENBERGER	USA	1993	400 M.	I.M.			9:08.20	SIMON VEALE	GBR	2004
1:08.25	GREGORY OXLEY	USA	2001	4:37.02	DARIUSZ WOLNY	POL	2000	9:13.63	JIM MC CONICA	USA	1998
200 M.	BRST			4:43.28	HESS YNTEMA	USA	1995	1500 M.	FREE		
2:25.58	RON SCHAFER	USA	1997	4:44.38	DENNIS BAKER	USA	2005	16:43.02	MARCUS MATTIOLI	BRA	2006
2:26.59	WALLY DICKS	USA	2006	4:47.16	MIKE SHAFFER	USA	2005	16:51.21	JIM MCCONICA	USA	1999
2:26.93	PLAMEN ALEXANDROV	USA	2002	4:47.23	LEN GUSHE	CAN	2005	16:53.92	B.BORDONALI	ITA	2006
2:27.09	EDWIN VAN NORDEN	NED	2003	4:47.32	F.SILVESTRI	ITA	2003	16:56.31	MARK DRENNEN	USA	2004
2:28.17	CHRIS WEISSMAN	USA	2003	4:48.90	WOJTECH BLECHAR	GER	2005	17:00.23	JIMMY FURRER	SUI	2004
2:29.12	SEAN FRAMPTON	USA	2006	4:49.57	LINCOLN DJANG	USA	2003	17:13.48	DJAN MADRUGA	BRA	2006
2:29.51	ERIC WALDBAUER	USA	2001	4:50.21	DAVE TOWN	CAN	2004	17:19.87	TIM BRODERICK	USA	1996
2:29.54	J.MELLADO	FRA	2006	4:50.62	A.TIBERTI	ITA	2004	17:25.27	FRANK CHRISTIAN	AUS	2005
2:29.86	A.O DRISCOLL	GBR	2000	*****				17:32.60	STEFANO SEGUITI	ITA	2004
2:30.67	SPENCER ELDRED	USA	1996	*****				17:34.40	SIMON VEALE	GBR	2005
50 M.	FLY			*****				50 M.	BACK		
25.13	HARTMUT BERNER	GER	2005	*****				27.24	CLAY BRITT	USA	2006
25.43	ROBERTO TARRICONE	ITA	2004	50 M.	FREE			27.58	CRAIG NORREY	SUI	2006
25.88	TAIHEI SAKA	JPN	2004	24.02	BRENT BARNES	JPN	2006	27.99	STEVE WOOD	USA	2005
25.89	WILLIAM SPECHT	USA	1998	24.09	V.GALAVTINE	RUS	1998	28.40	FRITZ LEHMAN	USA	2003
25.90	CHUCK PONTHER	USA	2005	24.23	DMITRI KHODKO	RUS	2006	28.73	HIROSHI SHIBUYA	JPN	2005
25.96	STEVE HILTABIDDLE	USA	2006	24.42	JOE REINHARDT	USA	2006	28.80	MARCO COLOMBO	ITA	2006
26.01	PAUL SMITH	USA	2001	24.44	PAUL SMITH	USA	2004	28.80	V.GALAVTINE	FRA	2001
26.02	GABRIELE MAINI	ITA	2005	24.68	CYRO DELGADO	BRA	2006	28.81	CASEY CLAFLIN	USA	1999
26.08	HIROSHI MIURA	JPN	2006	24.70	JAN KOEN ANTHONI	NED	1995	28.94	WILLIAM SPECHT	USA	2004
26.16	JOAKIM SJOHOLM	SWE	2004	24.73	BILL SHERMAN	USA	2003	29.12	WIESLAW MUSTIAL	CAN	2006
100 M.	FLY			24.75	G.GIGLIETTI	ITA	2006	100 M.	BACK		



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

58.48	CLAY BRITT	USA	2006	58.35	DENNIS BAKER	USA	2006	54.61	PAUL TREVISAN	USA	2003
1:00.09	FRITZ LEHMAN	USA	2003	59.14	PAUL SMITH	USA	2006	55.37	LEE MENCH	USA	2003
1:01.60	CRAIG NORREY	SUI	2006	59.63	PAUL MORRIS	GBR	2004	55.42	JACK GROSELLE	USA	2006
1:01.60	MARCO COLOMBO	ITA	2005	1:00.01	JAMES BALLARD	USA	2003	55.51	LARRY KRAUSER	USA	2003
1:01.81	WIESLAW MUSIAL	CAN	2003	1:00.09	JOHN VAN BUUREN	CAN	2003	55.71	BRUCE ROBERTSON	CAN	2003
1:02.16	PETER WIESE	GER	2006	1:00.71	V.GALAVTINE	RUS	1998	55.81	JIM MC CONICA	USA	2001
1:02.31	V.GALAVTINE	FRA	2000	1:01.13	TOM PERRIN	USA	1996	55.81	TERRY DOWNES	RSA	1999
1:02.63	PHILIPP DJANG	USA	2000	1:01.15	KEVIN MCCORMACK	USA	2000	55.83	PHILIPPE MORELLE	BEL	2006
1:03.19	CASEY CLAFLIN	USA	2000	200 M. FLY				55.95	JOHN VAN BUUREN	CAN	2005
1:03.26	WILLIAM SPECHT	USA	2003	2:06.40	DENNIS BAKER	USA	2006	55.95	ALEXANDER MILLS	GBR	2005
200 M. BACK				2:09.06	WILLIAM SPECHT	USA	2003	200 M. FREE			
2:12.10	WIESLAW MUSIAL	CAN	2003	2:09.58	MARCUS MATTIOLI	BRA	2006	1:58.37	JIM MCCONICA	USA	2000
2:13.36	FRITZ LEHMAN	USA	2003	2:15.14	HUGO BREGMAN	NED	2006	2:03.10	LARRY KRAUSER	USA	2003
2:13.42	DJAN MADRUGA	BRA	2005	2:16.86	JOHN CRAIG	USA	2000	2:03.80	LEE MENCH	USA	2003
2:16.30	PETER WIESE	GER	2006	2:17.30	PAUL MORRIS	GBR	2004	2:03.94	MARK DRENNEN	USA	2006
2:16.39	WILLIAM SPECHT	USA	2004	2:18.31	DAVID VANDAM	USA	2000	2:04.46	BRUCE ROBERTSON	CAN	2003
2:16.48	JAMES BALLARD	USA	2003	2:18.88	FRANK CHRISTIAN	AUS	2005	2:04.73	BRADFORD GANDEE	USA	2006
2:17.11	DARIUSZ WOLNY	POL	2005	2:19.28	KAZUKI YUZAWA	JPN	2005	2:05.27	SIMON VEALE	GBR	2006
2:18.86	SHAWN O'GORMAN	USA	2005	2:19.73	BOO GRANER GALLAS	USA	1996	2:05.49	GREG SHAW	USA	2004
2:19.12	PETER O'KEEFFE	USA	1998	100 M. I.M.				2:05.82	SPENCER ELDRED	USA	2006
2:19.21	ALAN GODFREY	USA	2003	1:00.29	MARCO COLOMBO	ITA	2006	2:05.91	JESUS DOMINGUEZ	ESP	2006
50 M. BRST				1:00.66	CLAY BRITT	USA	2006	400 M. FREE			
30.13	GLEN CHRISTIANSEN	SWE	2002	1:02.20	GREGORY OXLEY	USA	2003	4:07.99	JIM MCCONICA	USA	2000
30.48	FALTMAN MAGNUS	SWE	2004	1:02.47	FRITZ LEHMAN	USA	2005	4:18.96	MARK DRENNEN	USA	2006
30.83	GREGORY OXLEY	USA	2003	1:02.92	CYRO DELGADO	BRA	2006	4:26.37	LARRY KRAUSER	USA	2003
30.85	MASAOKI OTSUKI	JPN	2006	1:02.99	TOM REUDY	USA	1999	4:27.55	JIM CLEMMONS	USA	2002
31.13	RONNY OLTNER	SWE	2005	1:03.01	JOE REINHARDT	USA	2006	4:28.64	LEE MENCH	USA	2003
31.24	LEE RIDER	USA	2001	1:03.09	ROBERT GOLDBLOOM	USA	2004	4:28.84	R TOD SPIEKER	USA	1999
31.32	GERHARD AMMER	GER	2003	1:03.22	DAVE TOWN	CAN	2006	4:29.87	SIMON VEALE	GBR	2006
31.33	OLIVIER BORIOS	FRA	2004	1:03.22	V.GALAVTINE	FRA	2000	4:30.71	TIM ERICKSON	USA	2006
31.67	DAVID GUTHRIE	USA	2005	200 M. I.M.				4:32.57	J.CLAUDE CHATARD	FRA	2005
31.68	THOMAS LIGL	GER	2006	2:15.40	MARCO COLOMBO	ITA	2006	4:32.79	WILSON MILLS	GBR	2003
100 M. BRST				2:16.53	DAVE TOWN	CAN	2006	800 M. FREE			
1:06.48	GLEN CHRISTIANSEN	SWE	2004	2:16.56	PAUL SMITH	USA	2004	8:44.51	JIM MCCONICA	USA	2000
1:07.77	GREGORY OXLEY	USA	2003	2:16.68	PETER WIESE	GER	2006	8:53.48	MARK DRENNEN	USA	2006
1:08.09	LEE RIDER	USA	2001	2:16.97	TOM REUDY	USA	1999	9:11.92	JIM CLEMMONS	USA	2002
1:08.40	JON BLANK	USA	2005	2:18.40	MARCUS MATTIOLI	BRA	2005	9:12.81	R TOD SPIEKER	USA	1998
1:08.54	THOMAS LIGL	GER	2006	2:18.75	GREGORY OXLEY	USA	2003	9:17.45	SIMON VEALE	GBR	2006
1:08.80	A.O'DRISCOLL	GBR	2005	2:18.76	KLAUS SPRANZ	GER	2005	9:24.76	LARRY KRAUSER	USA	2003
1:08.90	DAVID GUTHRIE	USA	2005	2:19.18	GREG DOZER	USA	2002	9:29.60	J.CLAUDE CHATARD	FRA	2005
1:09.21	DOUG MALCOLM	USA	2005	2:19.26	SIMON VEALE	GBR	2004	9:30.09	EDDIE RIACH	GBR	2004
1:09.23	MAGNUS FALTMAN	SWE	2004	400 M. I.M.				9:30.75	SVEN HOLST	GBR	2001
1:09.44	ROBERT STRAND	USA	1995	4:48.97	LINCOLN DJANG	USA	2004	9:31.18	SCOTT LAUTMAN	USA	2003
200 M. BRST				4:54.89	SIMON VEALE	GBR	2004	1500 M. FREE			
2:30.33	DAVID GUTHRIE	USA	2005	4:56.40	PAUL CARTER	USA	2004	16:33.02	JIM MCCONICA	USA	2000
2:31.41	GREGORY OXLEY	USA	2003	4:57.31	GREG DOZER	USA	2002	17:32.20	JIM CLEMMONS	USA	2001
2:31.73	GLEN CHRISTIANSEN	SWE	2002	4:57.34	TOM REUDY	USA	1999	17:36.51	R TOD SPIEKER	USA	1999
2:32.29	JON BLANK	USA	2005	4:57.94	LORENZO MARUGO	ITA	1998	17:37.83	SIMON VEALE	GBR	2006
2:33.37	SPENCER ELDRED	USA	2003	4:59.97	MARK DRENNEN	USA	2005	17:48.71	LARRY KRAUSER	USA	2003
2:33.67	A.O'DRISCOLL	GBR	2004	5:00.60	B.BORDONALI	ITA	2006	17:58.01	LARRY WOOD	USA	2004
2:33.83	PAT ALLENDER	USA	2003	5:02.51	WILLIAM SPECHT	USA	2004	18:04.37	STEVEN PRESCOTT	NZL	2004
2:34.24	RICK COLELLA	USA	2000	5:02.52	RICK COLELLA	USA	2000	18:07.49	MIKE SHERRILL	USA	2001
2:34.32	BARRY O'BRIEN	GBR	2003					18:15.20	RICK WALKER	USA	2000
2:34.41	ROBERT STRAND	USA	1995					18:15.81	SVEN HOLST	GBR	2001
50 M. FLY				*****							
25.84	PAUL CARTER	USA	2003		M E N 50-54			50 M. BACK			
26.20	PAUL SMITH	USA	2006	*****				28.96	V.GALAVTINE	FRA	2004
26.52	MARCO COLOMBO	ITA	2006	50 M. FREE				29.20	MIKE MCINTYRE	CAN	2004
26.55	RAMON VOLCAN	VEN	2006	24.26	PAUL TREVISAN	USA	2003	29.23	JOHN VAN BUUREN	CAN	2004
26.82	BRENT BARNES	JPN	2003	24.74	V.GALAVTINE	FRA	2003	29.30	TOM WOLF	USA	2004
26.84	MARIO LLORET	ESP	2004	24.86	PHILIPPE MORELLE	BEL	2006	29.50	HUGH WILDER	USA	1997
26.84	RICK ABBOTT	USA	2003	25.00	LARRY KRAUSER	USA	2003	29.84	MARK PUGLIESE	USA	2003
26.87	WILLIAM SPECHT	USA	2003	25.09	EMIL PLESNIK	GER	1993	30.05	ANDRE STEYNBERG	RSA	2006
27.00	ROBERT GOLDBLOOM	USA	2004	25.14	BARRY ROTH	USA	2005	30.14	ROBERT SMITH	USA	1994
27.00	PAUL MORRIS	GBR	2004	25.21	JOHN FERRIS	USA	2000	30.16	PHILIPP DJANG	USA	2005
100 M. FLY				25.27	JACK GROSELLE	USA	2005	30.21	TIM BIRNIE	USA	1997
57.17	PAUL CARTER	USA	2003	25.29	ROGER HAWKINS	USA	2000	100 M. BACK			
58.10	WILLIAM SPECHT	USA	2004	25.42	MIKE MCINTYRE	CAN	2004	1:01.48	TOM WOLF	USA	2004
				100 M. FREE				1:02.39	V.GALAVTINE	FRA	2004



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:03.77	PHILIPP DJANG	USA	2006	1:01.40	ROBERT HANSEN	USA	2004	56.51	RICH ABRAHAMS	USA	2001
1:04.17	HUGH WILDER	USA	1997	1:01.64	SCOTT LAUTMAN	USA	2005	56.74	STEVE BOROWSKI	USA	2002
1:04.52	JOHN VAN BUUREN	CAN	2005	1:02.21	FRED SCHLICHER	USA	2001	57.30	S.D'ALESSANDRO	ITA	1995
1:05.05	TIM BIRNIE	USA	1997	1:02.28	LEONARD BIELICZ	SWE	2003	57.85	MICHAEL AHERN	USA	2000
1:05.06	JOHN MARCH	CAN	2003	1:02.46	V.GALAVTINE	FRA	2004	58.25	TOM GEIMAN	USA	2004
1:05.14	MIKE MCINTYRE	CAN	2004	1:02.49	DAVE DICKSON	CAN	2003	58.51	J.CHATARD	FRA	2006
1:05.16	MARK PUGLIESE	USA	2003	1:02.54	BOO GRANER GALLAS	USA	1997	58.64	LEONARD BIELICZ	SWE	2006
1:05.56	SIMON VEALE	GBR	2006	200 M. FLY				58.66	TIM BIRNIE	USA	2000
200 M. BACK				2:18.02	SCOTT LAUTMAN	USA	2004	58.90	DAVID OATES	USA	2005
2:14.03	TOM WOLF	USA	2004	2:18.88	JOHN CRAIG	USA	2004	200 M. FREE			
2:20.01	PHILIPP DJANG	USA	2005	2:20.26	GREG SHAW	USA	2003	2:03.40	S.D'ALESSANDRO	ITA	1995
2:20.42	R TOD SPIEKER	USA	1999	2:20.86	JIM OCONNOR	USA	2003	2:03.64	JAMES MCCONICA	USA	2005
2:20.86	JIM MC CONICA	USA	2002	2:21.58	BOO GRANER GALLAS	USA	1997	2:06.20	TOD SPIEKER	USA	2003
2:22.12	MIKE MCINTYRE	CAN	2004	2:21.70	BART MCDERMOTT	USA	2006	2:06.94	TIM BIRNIE	USA	2000
2:22.59	V.GALAVTINE	FRA	2004	2:22.20	JIM O'CONNOR	USA	2006	2:08.28	J.CHATARD	FRA	2006
2:22.81	JOHN MARCH	CAN	2003	2:22.36	FRED SCHLICHER	USA	2002	2:09.76	DUNCAN MCCREADIE	GBR	2002
2:23.80	TIM BIRNIE	USA	1998	2:24.21	TIM ERICKSON	USA	2006	2:11.64	RON ARMSTRONG	CAN	2006
2:24.54	EDDIE RIACH	GBR	2004	2:25.28	TAKEO HIRAMOTO	JPN	2003	2:11.86	JIM CLEMMONS	USA	2005
2:25.53	MARK PUGLIESE	USA	2003	100 M. I.M.				2:12.88	HOMER LANE	USA	2004
2:25.53	ROB WEYHENKE	NED	2003	1:03.54	TIMOTHY SHEAD	RSA	2002	2:13.20	JACK GEOGHEGAN	USA	1997
50 M. BRST				1:03.57	TOM WOLF	USA	2004	400 M. FREE			
31.24	DON MC KENZIE	USA	1997	1:03.61	JOHN VAN BUUREN	CAN	2005	4:24.92	JIM MCCONICA	USA	2006
31.64	RONNY OLTNER	SWE	2006	1:03.65	TOM REUDY	USA	2006	4:28.73	TOD SPIEKER	USA	2003
31.72	TIMOTHY SHEAD	RSA	2002	1:03.75	GREG SHAW	USA	2003	4:28.97	J.CHATARD	FRA	2006
31.76	EDWARD PINHEIRO	BRA	2001	1:04.45	RONNY OLTNER	SWE	2006	4:32.83	TIM BIRNIE	USA	2000
31.95	ROBERT STRAND	USA	1998	1:04.63	ROBERT WEYHENKE	NED	2005	4:36.89	JOHN CALVERT	USA	2001
32.20	SPENCER ELDRED	USA	2006	1:04.86	SIMON VEALE	GBR	2006	4:37.93	JIM CLEMMONS	USA	2005
32.23	PAUL HENNE	USA	1997	1:04.97	ROBERT STRAND	USA	1996	4:39.95	DUNCAN MCCREADIE	GBR	2001
32.24	ALEXANDER MILLS	GBR	2005	1:05.05	DONALD GRAHAM	USA	2004	4:41.64	RON ARMSTRONG	CAN	2006
32.32	HENRIQUE JOCHIMS	BRA	2001	200 M. I.M.				4:42.99	D.UIJTENBOGAART	NED	2002
32.75	THOMAS PAEHR	GER	2005	2:18.68	SIMON VEALE	GBR	2006	4:43.83	RICK WALKER	USA	2006
100 M. BRST				2:19.27	TOM WOLF	USA	2004	800 M. FREE			
1:09.38	RONNY OLTNER	SWE	2006	2:19.63	TOM REUDY	USA	2006	9:03.00	JIM MCCONICA	USA	2006
1:09.88	TIMOTHY SHEAD	RSA	2002	2:20.35	GREG SHAW	USA	2003	9:13.15	TOD SPIEKER	USA	2003
1:09.96	ROBERT STRAND	USA	1996	2:20.68	JOHN FERRIS	USA	2000	9:32.94	D.UIJTENBOGAART	NED	2002
1:10.23	DON MC KENZIE	USA	1997	2:21.49	ROBERT WEYHENKE	NED	2005	9:33.29	JIM CLEMMONS	USA	2005
1:11.25	SPENCER ELDRED	USA	2006	2:22.04	JIM MC CONICA	USA	2002	9:34.94	JOHN CALVERT	USA	2001
1:12.75	THOMAS PAEHR	GER	2005	2:22.23	TIMOTHY SHEAD	RSA	2002	9:36.86	J.CHATARD	FRA	2006
1:13.01	ROB WEYHENKE	NED	2003	2:24.02	RONNY OLTNER	SWE	2006	9:42.09	RICK WALKER	USA	2005
1:13.26	UWE KUSSATZ	GER	2005	2:24.27	SPENCER ELDRED	USA	2006	9:47.45	SANDY GALLETLY	GBR	1997
1:13.33	NEVILLE BARTON	GBR	2006	400 M. I.M.				9:49.27	ANDY WILSON	GBR	2001
1:13.57	MAURO BORDOVSKY	USA	2006	4:57.52	LORENZO MARUGO	ITA	2004	9:55.48	DUNCAN MCCREADIE	GBR	2001
200 M. BRST				4:58.93	JIM MC CONICA	USA	2001	1500 M. FREE			
2:33.71	LORENZO MARUGO	ITA	2004	4:59.39	MARK DRENNEN	USA	2006	17:14.15	JAMES MCCONICA	USA	2005
2:34.71	ROBERT STRAND	USA	1996	5:03.99	TOM REUDY	USA	2006	17:35.21	TOD SPIEKER	USA	2003
2:35.88	TOM REUDY	USA	2006	5:04.49	SIMON VEALE	GBR	2006	17:56.15	J.CHATARD	FRA	2006
2:36.57	TIMOTHY SHEAD	RSA	2002	5:05.09	GREG SHAW	USA	2003	18:02.40	JIM CLEMMONS	USA	2005
2:37.80	SPENCER ELDRED	USA	2006	5:06.89	JIM CLEMMONS	USA	2003	18:27.16	D.UIJTENBOGAART	NED	2002
2:40.66	TAKEO HIRAMOTO	JPN	2003	5:11.33	ROB WEYHENKE	NED	2003	18:43.40	JACK MARTIN	USA	2006
2:40.78	ROBERT WEYHENKE	NED	2005	5:12.31	R TOD SPIEKER	USA	1999	18:51.69	JAMES MCCLEERY	USA	2003
2:41.11	MARK DRENNEN	USA	2006	5:13.01	TIMOTHY SHEAD	RSA	2002	18:51.83	SANDY GALLETLY	GBR	1998
2:42.14	THOMAS PAEHR	GER	2005	*****				19:11.21	ANDY WILSON	GBR	2001
2:43.04	ROBERT BROWN	USA	2005	M E N 55-59				19:15.97	DAVID GRAY	USA	2003
50 M. FLY				*****				50 M. BACK			
26.79	GREG SHAW	USA	2003	50 M. FREE				30.25	HUGH WILDER	USA	2003
27.04	DONALD GRAHAM	USA	2006	24.70	PAUL TREVISAN	USA	2006	30.35	ROBERT SMITH	USA	1999
27.30	JOHN VAN BUUREN	CAN	2004	25.00	RICH ABRAHAMS	USA	2001	30.40	TIM BIRNIE	USA	2000
27.49	FREDERICK EHMKE	USA	2004	25.55	STEVE BOROWSKI	USA	2002	30.56	HEINZ BOKNECHT	GER	1995
27.52	RICK ABBOTT	USA	2005	25.73	ALEXANDER MILLS	GBR	2006	30.96	JIM ADAMS	NED	2006
27.54	PHILIPPE MORELLE	BEL	2006	25.87	TOM GEIMAN	USA	2004	30.96	TAKEO HIRAMOTO	JPN	2005
27.55	STEVE BOROWSKI	USA	1998	26.02	LEONARD BIELICZ	SWE	2006	31.57	J.CLAUDE LESTIDEA	FRA	2004
27.62	MARK PUGLIESE	USA	2003	26.27	DANIEL ROGACKI	USA	2002	31.67	RICHARD ALEXANDER	USA	2000
27.63	ROBERT HANSEN	USA	2004	26.39	MIKE AHERN	USA	2000	31.74	RICHARD BURNS	USA	1998
27.63	V.GALAVTINE	FRA	2003	26.45	J.CHATARD	FRA	2006	31.80	PETER O'BRIEN	CAN	2006
100 M. FLY				26.59	TERENCE DOWNES	RSA	2004	100 M. BACK			
1:00.08	JOHN MCCALL	USA	2003	100 M. FREE				1:04.89	TIM BIRNIE	USA	2000
1:00.32	GREG SHAW	USA	2005	55.12	PAUL TREVISAN	USA	2006	1:05.56	HUGH WILDER	USA	2002
1:00.82	JOHN VAN BUUREN	CAN	2005					1:06.62	JIM ADAMS	NED	2006



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:08.34	RICHARD BURNS	USA	1998	1:04.37	ERIC HENDERSON	GBR	2005	1:01.05	DUNCAN MCCREADIE	GBR	2005
1:08.48	R TOD SPIEKER	USA	2003	1:04.55	C.STARZEC	FRA	2005	1:01.15	ALAN BROWN	AUS	2006
1:08.53	JOHN CALVERT	USA	2000	1:04.64	JOEL BURNS	USA	2001	1:01.50	TONY STRAHAN	AUS	2003
1:09.48	PETER O'BRIEN	CAN	2006	1:05.31	ROBERT POILETMAN	USA	2002	1:01.51	PETER BERGENGREN	SWE	2000
1:09.64	TAKEO HIRAMOTO	JPN	2005	1:05.53	TAKEO HIRAMOTO	JPN	2006	1:01.72	TOM LANDIS	USA	2002
1:10.04	DANIEL ROGACKI	USA	2002	200 M.	FLY			1:01.97	KUNIHICO IWASAKI	JPN	2004
1:10.26	FOLKERT MEEUW	GER	2002	2:22.13	JAMES MCCONICA	USA	2005	1:02.05	IAN SMITH	CAN	2003
200 M.	BACK			2:22.73	FRED SCHLICHER	USA	2003	200 M.	FREE		
2:20.59	JAMES MCCONICA	USA	2005	2:23.07	GREG SHAW	USA	2006	2:11.78	DUNCAN MCCREADIE	GBR	2006
2:21.80	TOD SPIEKER	USA	2003	2:28.52	ROBERT POILETMAN	USA	2001	2:12.18	JOHN CALVERT	USA	2005
2:22.25	JIM ADAMS	NED	2006	2:31.04	TAKEO HIRAMOTO	JPN	2006	2:14.22	RICH ABRAHAMS	USA	2006
2:24.72	TIM BIRNIE	USA	2000	2:33.27	DOUGLAS MILLER	USA	2005	2:15.84	TOM LANDIS	USA	2002
2:26.64	JOHN CALVERT	USA	2000	2:33.74	JIM CLEMMONS	USA	2005	2:17.36	DRURY GALLAGHER	USA	1998
2:29.64	HUGH WILDER	USA	2004	2:35.30	JOEL BURNS	USA	2001	2:18.44	TONY CHERRINGTON	GBR	2002
2:32.73	RICHARD BURNS	USA	1998	2:36.70	KOJI IWAMOTO	JPN	2000	2:18.58	JEFF FARRELL	USA	2001
2:33.21	BARRY YOUNG	NZL	1994	2:37.43	CLAUS KOCH	CAN	2001	2:18.84	RICHARD BURNS	USA	2004
2:33.86	IVAN MYALL	GBR	2004	100 M.	I.M.			2:19.03	DAVID QUIGGIN	USA	2006
2:34.21	PETER O'BRIEN	CAN	2006	1:03.81	GREG SHAW	USA	2006	2:19.27	VITTORIO ERMIRIO	ITA	2005
50 M.	BRST			1:06.13	ALEXANDER MILLS	GBR	2006	400 M.	FREE		
32.18	ROBERT STRAND	USA	2001	1:06.45	DANIEL ROGACKI	USA	2002	4:40.45	DUNCAN MCCREADIE	GBR	2006
32.44	ALEXANDER MILLS	GBR	2006	1:07.15	ROBERT STRAND	USA	2001	4:43.69	JOHN CALVERT	USA	2005
33.03	C.STARZEC	FRA	2005	1:07.42	LEONARD BIELICZ	SWE	2006	4:47.93	SANDY GALLETTY	GBR	2002
33.17	HIROSHI KOTEGAWA	JPN	1993	1:07.54	C.STARZEC	FRA	2005	4:51.98	VITTORIO ERMIRIO	ITA	2003
33.54	PETER ANDERSEN	USA	1999	1:07.62	GEORGE SCHMIDT	USA	2005	4:54.94	DRURY GALLAGHER	USA	1998
33.77	TOSHIHARU FUJII	JPN	2005	1:07.90	JAMES MCCONICA	USA	2005	4:56.07	DON DAVIS	USA	2005
33.77	MANUEL SANGUILLY	USA	1989	1:08.00	MICHAEL AHERN	USA	2000	4:56.47	EDWARD CAZALET	USA	2003
33.97	ALLEN STARK	USA	2004	1:08.17	RON ARMSTRONG	CAN	2006	4:56.69	GRAHAM JOHNSTON	USA	1995
34.01	JIM DRAGON	USA	1999	200 M.	I.M.			4:56.83	TOM LANDIS	USA	2002
34.03	JOHN LIRON	GBR	2004	2:21.05	GREG SHAW	USA	2006	5:00.55	JAMES MCCLEERY	USA	2006
100 M.	BRST			2:26.70	JAMES MCCONICA	USA	2005	800 M.	FREE		
1:11.53	ROBERT STRAND	USA	2001	2:27.19	JOHN CALVERT	USA	2000	9:43.83	DUNCAN MCCREADIE	GBR	2005
1:13.54	C.STARZEC	FRA	2005	2:27.94	FRED SCHLICHER	USA	2003	9:51.72	SANDY GALLETTY	GBR	2002
1:14.53	DANIEL ROGACKI	USA	2002	2:29.17	DANIEL ROGACKI	USA	2002	9:58.02	VITTORIO ERMIRIO	ITA	2005
1:15.25	TOSHIHARU FUJII	JPN	2005	2:30.83	TAKEO HIRAMOTO	JPN	2005	9:58.99	JAMES MCCLEERY	USA	2006
1:15.69	ALLEN STARK	USA	2004	2:31.33	C.STARZEC	FRA	2006	10:10.78	DRURY GALLAGHER	USA	1998
1:15.80	JOHN DERR	USA	2004	2:31.79	JIM CLEMMONS	USA	2006	10:17.45	EDWARD CAZALET	USA	2003
1:15.87	TAKEO HIRAMOTO	JPN	2005	2:32.42	STEVE HECK	USA	2004	10:22.45	JOACHIM HINTZE	GER	2003
1:16.28	HUBIE KERNS	USA	2006	2:32.50	ROBERT STRAND	USA	2002	10:27.62	GRAHAM JOHNSTON	USA	1995
1:16.32	MANUEL SANGUILLY	USA	1988	400 M.	I.M.			10:28.10	TOM LANDIS	USA	2002
1:17.05	RICK WALKER	USA	2005	5:08.15	JAMES MCCONICA	USA	2005	10:28.70	JEAN CLAUDE FAURE	FRA	2005
200 M.	BRST			5:13.29	R TOD SPIEKER	USA	2003	1500 M.	FREE		
2:38.76	ROBERT STRAND	USA	2001	5:14.10	JIM CLEMMONS	USA	2005	18:54.83	DUNCAN MCCREADIE	GBR	2005
2:45.16	JOHN GORDON	GBR	2001	5:23.15	RON ARMSTRONG	CAN	2006	19:01.87	SANDY GALLETTY	GBR	2002
2:46.29	TAKEO HIRAMOTO	JPN	2005	5:26.62	MIKE MORROW	CAN	2005	19:03.57	VITTORIO ERMIRIO	ITA	2003
2:46.29	JIM CLEMMONS	USA	2005	5:28.51	D.UIJTENBOGAART	NED	2002	19:15.89	EDWARD CAZALET	USA	2003
2:46.68	C.STARZEC	FRA	2006	5:29.09	SANDY GALLETTY	GBR	1997	19:22.76	JAMES MCCLEERY	USA	2006
2:47.66	GERSHON SHEFA	ISR	2001	5:30.62	DRURY GALLAGHER	USA	1995	19:48.44	GRAHAM JOHNSTON	USA	1995
2:47.88	ALLEN STARK	USA	2004	5:31.03	DANIEL ROGACKI	USA	2002	20:08.21	TOM LANDIS	USA	2006
2:48.28	JOHN DERR	USA	2004	5:32.08	STEVE HECK	USA	2004	20:10.04	GRAHAM SHORT	GBR	2006
2:48.73	MIKE MORROW	CAN	2005	*****				20:11.11	LARRY RAFFAELLI	USA	2004
2:49.21	TEGZE HARASZTI	USA	1998	*****				20:12.99	RICHARD SMITH	USA	2005
50 M.	FLY			*****				50 M.	BACK		
27.21	STEVE BOROWSKI	USA	2002	*****				31.31	ROBERT SMITH	USA	2004
27.25	GREG SHAW	USA	2006	*****				31.65	RICHARD BURNS	USA	2003
27.74	RICH ABRAHAMS	USA	2001	50 M.	FREE			32.23	J.LESTIDEAU	FRA	2006
28.19	LEONARD BIELICZ	SWE	2006	24.90	RICH ABRAHAMS	USA	2006	32.56	VINUS VAN BAALAN	CAN	2002
28.31	TOM GEIMAN	USA	2004	26.31	JEFF FARRELL	USA	2000	32.56	VINUS VAN BAALAN	CAN	2002
28.37	JOEL BURNS	USA	2001	26.52	ROBERT SMITH	USA	2003	33.07	RICHARD ALEXANDER	USA	2004
28.57	JIM DRAGON	USA	1999	27.03	VINUS VANBAALAN	USA	2003	33.09	JOSEF CSIKANY	HUN	2005
28.78	C.STARZEC	FRA	2006	27.04	IAN SMITH	CAN	2005	33.12	LUCIEN GAUCHE	FRA	2002
28.89	DON MEHL	USA	2006	27.06	KATSUKI ISHIHARA	JPN	2000	33.14	LUIZ FIGUEIREDO	BRA	2004
28.92	JOSEPH CLARET	ESP	1999	27.27	ALAN BROWN	AUS	2006	33.33	NEIL JACKSON	GBR	2006
100 M.	FLY			27.42	PETER BERGENGREN	SWE	1999	33.36	GARY CHASE	USA	2002
1:00.35	GREG SHAW	USA	2006	27.42	CAV CAVANAUGH	USA	1998	100 M.	BACK		
1:02.74	STEVE BOROWSKI	USA	2002	27.50	JOSE FERRAZ	BRA	2005	1:08.85	RICHARD BURNS	USA	2003
1:03.51	LEONARD BIELICZ	SWE	2006	100 M.	FREE			1:09.20	ROBERT SMITH	USA	2004
1:03.72	SHIGEO ASANO	JPN	2004	57.22	RICH ABRAHAMS	USA	2006	1:12.06	GARY CHASE	USA	2002
1:03.78	RICH ABRAHAMS	USA	2001	59.90	DAVID QUIGGIN	USA	2004	1:12.56	J.LESTIDEAU	FRA	2006
				1:00.24	JEFF FARRELL	USA	2000	1:13.49	KURT FREI	SUI	2006



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:13.55	JACK BEATTIE	USA	1994	1:09.50	CHITOSHI KONISHI	JPN	2001	1:02.84	IAN SMITH	CAN	2006
1:13.66	BARRY YOUNG	NZL	2001	1:10.83	DOUG MILLER	USA	2006	1:04.30	RONALD JOHNSON	USA	1998
1:13.91	LUCIEN GAUCHE	FRA	2003	1:11.04	TOMOYASU IIDA	JPN	2005	1:04.76	MASATO YOSHINO	JPN	2004
1:14.33	JOHN SMITH	USA	2001	200 M.	FLY			1:04.87	BOB BAILIE	USA	2001
1:14.72	LUIZ FIGUEIREDO	BRA	2002	2:34.65	ROBERT POILETMAN	USA	2003	1:04.98	IAN MCLEAN	GBR	2006
	200 M. BACK			2:37.79	DEREK PARR	GBR	2005	200 M. FREE			
2:30.96	JOHN CALVERT	USA	2005	2:37.97	KOJI IWAMOTO	JPN	2002	2:18.71	JEFF FARRELL	USA	2002
2:34.17	RICHARD BURNS	USA	2003	2:40.08	DOUG MILLER	USA	2006	2:22.07	GRAHAM JOHNSTON	USA	1997
2:36.88	EDWARD CAZALET	USA	2003	2:43.27	J.LESTIDEAU	FRA	2006	2:22.13	ROBERTO ALBERICHE	ESP	1996
2:37.11	DON MCINTOSH	USA	2003	2:46.18	GUNTER SCHOPKE	GER	2000	2:24.45	KAZUYA NISHINO	JPN	2002
2:37.23	JOSEF CSIKANY	HUN	2005	2:47.52	HUGH RODDIN	USA	2002	2:25.34	CAV CAVANAUGH	USA	2002
2:37.63	BARRY YOUNG	NZL	2001	2:47.61	RICHARD KITCHELL	USA	2004	2:26.70	DAVID HARRISON	USA	2002
2:40.75	JACK BEATTIE	USA	1994	2:49.56	DRURY GALLAGHER	USA	1998	2:27.03	RAYMOND STOKES	GBR	2006
2:42.44	MICHAEL MCCOLLY	USA	2006	2:51.76	BARRY YOUNG	NZL	2003	2:27.12	FABRIZIO MOMONI	ITA	2003
2:42.89	DUNCAN MCCREADIE	GBR	2005	100 M.	I.M.			2:27.72	MASATO YOSHINO	JPN	2005
2:43.48	GARY CHASE	USA	2000	1:08.70	ROBERT STRAND	USA	2006	2:27.86	IAN MCLEAN	GBR	2005
	50 M. BRST			1:09.39	ROBERT SMITH	USA	2003	400 M. FREE			
33.54	ROBERT STRAND	USA	2006	1:09.72	RICH ABRAHAMS	USA	2006	5:06.60	FABRIZIO MOMONI	ITA	2003
33.64	YOSHIHIKO OSAKI	JPN	2000	1:09.93	JACK KELSO	CAN	1999	5:09.09	GRAHAM JOHNSTON	USA	1996
33.71	PETER ANDERSEN	USA	2003	1:09.95	DRURY GALLAGHER	USA	1998	5:09.96	RAYMOND STOKES	GBR	2004
34.24	GERSHON SHEFA	ISR	2003	1:10.34	BRUCE MOHL	USA	2006	5:11.98	DAVID HARRISON	USA	2002
34.41	HIROSHI KOTEGAWA	JPN	1996	1:11.10	KOJI IWAMOTO	JPN	2002	5:12.62	DICK STEWART	USA	2006
34.54	AKIO SUGIYAMA	JPN	1995	1:11.21	GERSHON SHEFA	ISR	2003	5:16.00	RAFAEL PEREZ	ESP	2004
34.68	DIETER HOFEL	GER	2006	1:11.25	RICHARD BURNS	USA	2003	5:17.17	NIC GEERS	NED	2003
34.76	OSAMU MAEDA	JPN	2006	1:11.69	J.LESTIDEAU	FRA	2006	5:21.67	GAYLORD HOPKINS	USA	2006
34.87	JOZEF KLUKOWSKI	POL	2006	200 M.	I.M.			5:22.35	IAN MCLEAN	GBR	2005
34.88	EGON HENNINGER	GER	2000	2:30.48	JOHN CALVERT	USA	2005	5:22.68	CAV CAVANAUGH	USA	2003
	100 M. BRST			2:35.04	JACK KELSO	CAN	1999	800 M. FREE			
1:14.47	ROBERT STRAND	USA	2006	2:35.12	DUNCAN MCCREADIE	GBR	2005	10:35.13	GRAHAM JOHNSTON	USA	1996
1:15.92	ALBERT KOSTITSIN	FIN	2002	2:35.95	EDWARD CAZALET	USA	2003	10:44.95	DAVID HARRISON	USA	2002
1:16.56	PETER ANDERSEN	USA	2003	2:37.14	GERSHON SHEFA	ISR	2003	10:45.50	DICK STEWART	USA	2006
1:16.89	DAVID GILDEA	USA	2003	2:37.31	ROBERT STRAND	USA	2006	10:50.08	RAYMOND STOKES	GBR	2004
1:17.85	JACK KELSO	CAN	1999	2:40.02	KOJI IWAMOTO	JPN	2002	10:56.30	FABRIZIO MOMONI	ITA	2003
1:17.97	GERSHON SHEFA	ISR	2003	2:40.14	DRURY GALLAGHER	USA	1998	11:06.67	BURWELL JONES	USA	2002
1:18.08	DRURY GALLAGHER	USA	1998	2:40.32	DOUG MILLER	USA	2006	11:14.72	RAFAEL PEREZ	ESP	2003
1:18.35	KENNETH FROST JR	USA	2005	2:41.70	BRUCE MOHL	USA	2006	11:15.41	KARL DONOGHUE	CAN	2005
1:18.77	JOHN KORTHEUER	USA	1991	400 M.	I.M.			11:15.54	ERNIE LESKOVITZ	USA	2003
1:19.44	DIETER HOFEL	GER	2005	5:25.65	NICK LECLERCQ	USA	2006	11:20.66	DAVID RADCLIFF	USA	1999
	200 M. BRST			5:34.43	EDWARD CAZALET	USA	2003	1500 M. FREE			
2:44.90	ROBERT STRAND	USA	2006	5:35.46	J.LESTIDEAU	FRA	2006	19:53.18	GRAHAM JOHNSTON	USA	1996
2:53.05	DRURY GALLAGHER	USA	1998	5:38.91	SANDY GALLETLY	GBR	2002	20:36.17	DICK STEWART	USA	2006
2:53.21	DAVID GILDEA	USA	2003	5:39.12	DRURY GALLAGHER	USA	1999	20:49.25	ERNIE LESKOVITZ	USA	2003
2:53.45	KENNETH FROST	USA	2004	5:40.51	DOUG MILLER	USA	2006	20:54.80	BURWELL JONES	USA	2002
2:53.65	PETER ANDERSEN	USA	2003	5:42.86	DUNCAN MCCREADIE	GBR	2005	20:56.70	FABRIZIO MOMONI	ITA	2003
2:55.92	PAUL WYATT	AUS	2006	5:46.43	PAUL WYATT	AUS	2006	20:58.60	DAVID HARRISON	USA	2002
2:56.18	MICHAEL MOLONEY	AUS	1999	5:46.89	GIAMPIERO FOSSATI	ITA	2004	21:26.23	RAYMOND STOKES	GBR	2006
2:56.90	RAINER OPITZ	GER	2002	5:49.45	JACK KELSO	CAN	1999	21:29.45	JOHN CRISP	AUS	2004
2:56.97	TEGZE HARASZTI	USA	2001					21:41.05	FRANK WILLIAMS	USA	2005
2:57.08	THOMAS WALKER	GBR	1995					21:50.02	DAVID RADCLIFF	USA	2003
	50 M. FLY			*****							
					M E N 65-69						

28.31	RICH ABRAHAMS	USA	2006	50 M. FREE				32.35	LUIZ FIGUEIREDO	BRA	2006
29.13	JOSEP CLARET	ESP	2004	27.05	JEFF FARRELL	USA	2002	33.38	YOSHI OYAKAWA	USA	1999
29.33	JIM DRAGON	USA	2005	27.36	IAN SMITH	CAN	2006	33.90	GARY CHASE	USA	2005
29.48	ALBERT BACKES	GER	1995	27.68	CAV CAVANAUGH	USA	2000	34.43	FRANS VAN ENST	NED	2005
29.68	KOJI IWAMOTO	JPN	2002	27.80	PETER BERGENGREN	SWE	2003	34.71	KARL DONOGHUE	CAN	2005
29.81	CHITOSHI KONISHI	JPN	2000	28.02	RONALD JOHNSON	USA	1998	34.75	S.SEKIKAWA	JPN	1998
29.88	DAVID QUIGGIN	USA	2004	28.04	KATSUKI ISHIHARA	JPN	2004	34.93	MASAO KIJIMA	JPN	2006
30.20	J.LESTIDEAU	FRA	2006	28.24	BOB BAILIE	USA	2001	35.06	RON JOHNSON	USA	1996
30.25	PETER BERGENGREN	SWE	2000	28.25	GEORGES KOESSLER	FRA	2006	35.10	BURWELL JONES	USA	2002
30.30	ROBERT SMITH	USA	2003	28.32	NEIL MACKINNON	GBR	2006	35.11	PETER BERGENGREN	SWE	2004
	100 M. FLY			28.35	TOSHIHIRO HAYASHI	JPN	2002	100 M. BACK			
1:03.76	RICH ABRAHAMS	USA	2006	100 M. FREE				1:14.04	BARRY YOUNG	NZL	2004
1:06.70	J.LESTIDEAU	FRA	2006	1:01.36	JEFF FARRELL	USA	2002	1:14.66	YOSHI OYAKAWA	USA	1998
1:06.74	ROBERT POILETMAN	USA	2003	1:02.24	PETER BERGENGREN	SWE	2003	1:14.69	LUIZ FIGUEIREDO	BRA	2006
1:06.89	KOJI IWAMOTO	JPN	2002	1:02.41	CAV CAVANAUGH	USA	2000	1:16.12	S.SEKIKAWA	JPN	1998
1:07.00	JOSEP CLARET	ESP	2004	1:02.65	LUIZ FIGUEIREDO	BRA	2006	1:16.77	BURWELL JONES	USA	2002
1:08.33	DON MCINTOSH	USA	2003	1:02.77	ROBERTO ALBERICHE	ESP	1996	1:17.75	PEKKA LUNDBERG	FIN	2001
1:09.41	DEREK PARR	GBR	2005					1:18.03	KARL DONOGHUE	CAN	2005



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:18.28	RON JOHNSON	USA	1997	1:16.63	WILLIAM LETCH	GBR	2005	1:08.36	SHINGO YAMAMOTO	JPN	2001
1:18.41	FRANS VAN ENST	NED	2006	1:16.63	DAVID CUMMING	GBR	2003	1:08.95	BOB BAILIE	USA	2006
1:18.73	PAUL HUTINGER	USA	1992	200 M.	FLY			1:09.00	FRANK PIEMME	USA	1995
	200 M.	BACK		2:48.78	RICHARD KITCHELL	USA	2005	1:09.02	H.TAKAHASHI	JPN	2006
2:44.62	LUIZ FIGUEIREDO	BRA	2006	2:57.23	TAISUKE MIYAZAKI	JPN	2004	200 M.	FREE		
2:45.56	GARY CHASE	USA	2005	2:59.62	DAVID CUMMING	GBR	2004	2:24.31	GRAHAM JOHNSTON	USA	2001
2:47.59	S.SEKIKAWA	JPN	1998	3:00.83	D MCLACHLAN	RSA	2002	2:28.41	CAV CAVANAUGH	USA	2005
2:50.75	BOB BARRY	AUS	1996	3:01.54	LUIS R. SIMI	BRA	2002	2:30.27	BURWELL JONES	USA	2004
2:52.11	KARL DONOGHUE	CAN	2005	3:05.26	WILLIAM LETCH	GBR	2005	2:30.60	DAVID RADCLIFF	USA	2004
2:52.12	ALAN JACKSON	GBR	2004	3:06.32	WERNER MULLER	GER	1999	2:33.22	NELIO VILLASBOAS	BRA	2002
2:52.77	ROGER FRANKS	USA	1994	3:06.43	RON JOHNSON	USA	1996	2:33.66	THEO ENDERES	GER	1999
2:53.17	MIKLOS KOVATS	HUN	2005	3:07.91	CHARLES MOSS	USA	1993	2:34.46	JOHN CRISP	AUS	2005
2:54.25	PAUL HUTINGER	USA	1990	3:09.60	FRANK WILLIAMS	USA	2006	2:34.64	WILLIAM PHILLIPS	USA	1998
2:54.40	GRAHAM JOHNSTON	USA	1997	100 M.	I.M.			2:36.63	N.MIYAMOTO	JPN	2006
50 M.	BRST			1:12.51	JEFF FARRELL	USA	2002	2:36.88	BOB BARRY	AUS	2002
35.46	HIROSHI KOTEGAWA	JPN	2001	1:14.99	MIKE FRESHLEY	USA	2006	400 M.	FREE		
36.07	MANUEL SANGUILY	USA	1998	1:15.44	PETER BERGENGREN	SWE	2003	5:09.75	GRAHAM JOHNSTON	USA	2002
36.32	EGON HENNINGER	GER	2005	1:15.61	RON JOHNSON	USA	1996	5:15.88	BURWELL JONES	USA	2003
36.33	NICK TEMPLEMAN	CAN	1996	1:15.82	BURWELL JONES	USA	2002	5:20.65	DAVID RADCLIFF	USA	2006
36.38	AKIO SUGIYAMA	JPN	1999	1:15.87	NEIL MACKINNON	GBR	2006	5:29.16	JOHN CRISP	AUS	2005
36.90	FRANTISEK POKORNY	CZE	2006	1:16.56	CAV CAVANAUGH	USA	2000	5:30.42	CAV CAVANAUGH	USA	2005
36.92	BERND WUNSCH	GER	2003	1:16.79	ROBERTO ALBERICHE	ESP	1996	5:35.49	FRANK PIEMME	USA	1995
37.17	JOHN KORTHEUER	USA	2000	1:16.91	MASAO KIJIMA	JPN	2006	5:37.26	WILLIAM PHILLIPS	USA	1998
37.35	STANLEY CLARKE	GBR	2004	1:17.24	STANLEY CLARKE	GBR	2003	5:43.31	N.MIYAMOTO	JPN	2006
37.41	WERNER GOTTSCHALK	GER	2002	200 M.	I.M.			5:48.46	DON BLAND	GBR	2001
100 M.	BRST			2:43.49	MIKE FRESHLEY	USA	2006	5:48.73	HIROSHI YOSHIMURA	JPN	2000
1:21.34	NICK TEMPLEMAN	CAN	1996	2:46.35	JEFF FARRELL	USA	2002	800 M.	FREE		
1:21.55	BERND WUNSCH	GER	2003	2:49.10	ROBERTO ALBERICHE	ESP	1996	10:52.68	GRAHAM JOHNSTON	USA	2001
1:22.10	HANS REICHEL	GER	2004	2:50.95	BURWELL JONES	USA	2002	11:07.97	DAVID RADCLIFF	USA	2006
1:22.23	YOSHIKI AOKI	JPN	2005	2:51.68	GRAHAM JOHNSTON	USA	1997	11:23.10	ERNIE LESKOVITZ	USA	2006
1:22.34	MANUEL SANGUILY	USA	1998	2:51.72	RON JOHNSON	USA	1997	11:25.65	JOHN CRISP	AUS	2005
1:22.44	MIKE FRESHLEY	USA	2006	2:52.71	HITOSHI KATO	JPN	1996	11:38.41	FRANK PIEMME	USA	1995
1:22.83	TONY GOODWIN	AUS	2002	2:54.35	KIHEI YOSHIMURA	JPN	2006	11:55.21	WILLIAM PHILLIPS	USA	1998
1:23.48	PETER BELL	CAN	2001	2:54.59	TADASHI IWAMOTO	JPN	2005	12:00.70	DON BLAND	GBR	2001
1:23.85	GUNTER SCHMAH	GER	2003	2:54.77	WALLY DOBLER	USA	1999	12:05.80	JESUS DOMINGUEZ	ESP	1996
1:23.94	TETSUO NAKAMARU	JPN	2003	400 M.	I.M.			12:14.93	ROGER FRANKS	USA	1999
200 M.	BRST			5:58.93	MIKE FRESHLEY	USA	2006	12:15.49	RAYMOND TAFT	USA	1989
2:59.55	YOSHIKI AOKI	JPN	2005	6:04.40	GRAHAM JOHNSTON	USA	1996	1500 M.	FREE		
3:00.13	MIKE FRESHLEY	USA	2006	6:07.00	ROBERTO ALBERICHE	ESP	1996	20:54.56	GRAHAM JOHNSTON	USA	2001
3:00.27	MICHAEL MOLONEY	AUS	2004	6:14.32	MASAO KIJIMA	JPN	2006	21:17.81	JOHN CRISP	AUS	2005
3:02.15	HANS REICHEL	GER	2004	6:14.67	DICK STEWART	USA	2005	21:25.90	DAVID RADCLIFF	USA	2004
3:03.31	TOM WALKER	GBR	2000	6:21.88	TADASHI IWAMOTO	JPN	2005	22:30.87	WILLIAM PHILLIPS	USA	1998
3:05.19	TONY GOODWIN	AUS	2002	6:23.63	GUNTER BEILSTEIN	GER	2001	22:44.45	FRANK PIEMME	USA	1995
3:05.24	PETER BELL	CAN	2000	6:28.87	CHARLES MOSS	USA	1993	22:45.32	DON BLAND	GBR	2001
3:06.13	NICK TEMPLEMAN	CAN	1996	6:30.08	RICHARD KITCHELL	USA	2005	23:11.67	ROGER FRANKS	USA	1999
3:07.25	BERND WUNSCH	GER	2003	6:33.84	P.WERMELSKIRCHEN	GER	2004	23:21.30	KIYOJI AMANO	JPN	2001
3:08.63	GUNTER SCHMAH	GER	2003	*****	*****			23:23.27	LARRY GOOD	USA	2004
50 M.	FLY			*****	*****			23:30.40	EROS STELLA	ITA	2002
30.62	TOMOYASU IIDA	JPN	2006		M E N 70-74			50 M.	BACK		
30.70	BOB BAILIE	USA	2001	*****	*****			33.90	YOSHI OYAKAWA	USA	2003
30.71	BERT PETERSEN	USA	2003	50 M.	FREE			35.44	S.SEKIKAWA	JPN	2003
31.17	GEORGES KOESSLER	FRA	2006	28.55	RON JOHNSON	USA	2003	35.71	PAUL HUTINGER	USA	1994
31.27	PETER BERGENGREN	SWE	2003	28.76	CAV CAVANAUGH	USA	2005	35.75	BURWELL JONES	USA	2004
31.28	MIKE FRESHLEY	USA	2006	29.00	WOLFRAM GOTTFRIED	GER	2003	37.00	RON JOHNSON	USA	2003
31.37	IAN SMITH	CAN	2006	29.77	CHARLES BALDWIN	USA	2000	37.06	MAMPEI SEINO	JPN	2003
31.39	CHITOSHI KONISHI	JPN	2005	29.77	DAVID RADCLIFF	USA	2004	37.53	KEIJIRO NAKAMURA	JPN	1995
31.50	FRANTISEK POKORNY	CZE	2006	29.80	BOB BAILIE	USA	2006	37.86	E.NODENSCHNEIDER	FRA	2006
31.54	HIROSHI MATSUMOTO	JPN	2002	29.87	H.TAKAHASHI	JPN	2006	38.03	CHARLES BALDWIN	USA	2000
100 M.	FLY			30.01	SHINGO YAMAMOTO	JPN	2001	38.05	CLARKE MITCHELL	USA	2003
1:11.96	TOMOYASU IIDA	JPN	2006	30.04	ROBERT GROBLER	GBR	2000	100 M.	BACK		
1:12.41	CHITOSHI KONISHI	JPN	2005	30.21	TAKAHIKO NOMA	JPN	1998	1:15.85	YOSHI OYAKAWA	USA	2003
1:13.32	BERT PETERSEN	USA	2003	100 M.	FREE			1:16.73	BURWELL JONES	USA	2003
1:13.93	YOICHI AOKI	JPN	2006	1:04.58	CAV CAVANAUGH	USA	2005	1:18.73	S.SEKIKAWA	JPN	2003
1:14.44	BARRY YOUNG	NZL	2004	1:06.26	GRAHAM JOHNSTON	USA	2001	1:20.94	MAMPEI SEINO	JPN	2003
1:14.91	TAISUKE MIYAZAKI	JPN	2005	1:06.50	DAVID RADCLIFF	USA	2004	1:21.50	ROGER FRANKS	USA	1997
1:15.52	LUIS R. SIMI	BRA	2002	1:06.70	CHARLES BALDWIN	USA	2000	1:21.74	PAUL HUTINGER	USA	1994
1:16.42	GUNTER SCHOPKE	GER	2006	1:07.47	RONALD JOHNSON	USA	2001	1:22.33	CLARKE MITCHELL	USA	2002
1:16.56	JOAQUIN CANALES	ESP	2006	1:07.84	WOLFRAM GOTTFRIED	GER	2001	1:22.77	RON JOHNSON	USA	2002



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:23.61 KEIJIRO NAKAMURA	JPN	1996	200 M. FLY		1:14.82 KIYOJI AMANO	JPN	2006
1:23.97 BOB BARRY	AUS	2002	3:08.60 TAKASHI HAYASHI	JPN	1:15.26 DONALD BAKER	USA	2006
200 M. BACK			3:13.57 JESUS DOMINGUEZ	ESP	200 M. FREE		
2:51.24 BURWELL JONES	USA	2003	3:15.19 RON JOHNSON	USA	2:37.71 GRAHAM JOHNSTON	USA	2006
2:53.22 S.SEKIKAWA	JPN	2003	3:18.59 ROBERT PFERSDORFF	GER	2:42.21 SHINGO YAMAMOTO	JPN	2006
2:53.59 YOSHI OYAKAWA	USA	2003	3:18.87 KARL-HEINZ KNOPS	GER	2:46.17 ARAM BOGHOSSIAN	BRA	2004
2:55.73 ROGER FRANKS	USA	1998	3:20.14 CLAUDIO NEGRI	ITA	2:47.41 HIROSHI YOSHIMURA	JPN	2004
2:58.91 MAMPEI SEINO	JPN	2003	3:22.72 SEYMOUR BANNING	GBR	2:47.43 FRANK PIEMME	USA	2000
2:59.92 PAUL HUTINGER	USA	1994	3:24.27 HEINZ KRAUSS	GER	2:47.65 KIYOJI AMANO	JPN	2006
3:02.37 E.NODENSCHNEIDER	FRA	2006	3:25.51 MARIAN RACZYNSKI	POL	2:48.67 RAYMOND TAFT	USA	1994
3:05.12 BOB BARRY	AUS	2002	3:26.07 JOSEPH KURTZMAN	USA	2:49.10 ROGER FRANKS	USA	2002
3:07.35 LARRY GOOD	USA	2005	100 M. I.M.		2:49.36 FUMIO EGAMI	JPN	2005
3:07.57 RAY TAFT	USA	1989	1:15.92 RONALD JOHNSON	USA	2:49.98 BOB BARRY	AUS	2006
50 M. BRST			1:17.22 BURWELL JONES	USA	400 M. FREE		
37.47 NICK TEMPLEMAN	CAN	2001	1:18.44 WOLFRAM GOTTFRIED	GER	5:40.14 GRAHAM JOHNSTON	USA	2006
37.66 HANS REICHEL	GER	2006	1:19.43 CHARLES BALDWIN	USA	5:45.47 HIROSHI YOSHIMURA	JPN	2004
37.68 AKIO SUGIYAMA	JPN	2005	1:20.35 JOHN KORTHEUER	USA	6:01.32 FRANK PIEMME	USA	2000
37.71 MANUEL SANGUILY	USA	2004	1:20.99 FRANK PIEMME	USA	6:02.95 RAYMOND TAFT	USA	1995
38.15 JOHN KORTHEUER	USA	2001	1:21.51 GRAHAM JOHNSTON	USA	6:04.20 KARL HAUTER	GER	2000
38.41 TETSUO NAKAMARU	JPN	2005	1:21.70 MASAYASU KAMIYA	JPN	6:07.86 ARAM BOGHOSSIAN	BRA	2004
38.60 TOSHIO TAJIMA	JPN	1996	1:21.87 RAY TAFT	USA	6:09.54 KIYOJI AMANO	JPN	2006
38.65 PETER BELL	CAN	2005	1:22.09 DAVID RADCLIFF	USA	6:20.11 ALDO DA ROSA	USA	1993
38.70 CHUCK BALDWIN	USA	2000	200 M. I.M.		6:20.12 ROGER FRANKS	USA	2002
38.84 BELA SANDOR	USA	2005	2:51.73 BURWELL JONES	USA	6:23.81 DEXTER WOODFORD	USA	1989
100 M. BRST			2:55.51 RON JOHNSON	USA	800 M. FREE		
1:24.13 TETSUO NAKAMARU	JPN	2005	2:55.58 GRAHAM JOHNSTON	USA	12:00.94 GRAHAM JOHNSTON	USA	2006
1:24.95 HANS REICHEL	GER	2006	3:00.88 JESUS DOMINGUEZ	ESP	12:02.87 HIROSHI YOSHIMURA	JPN	2004
1:25.11 RON JOHNSON	USA	2003	3:03.20 JOHN CRISP	AUS	12:13.28 FRANK PIEMME	USA	2000
1:25.87 PETER BELL	CAN	2005	3:04.85 CHARLES BALDWIN	USA	12:45.40 RAYMOND TAFT	USA	1994
1:27.10 JOHN KORTHEUER	USA	2001	3:05.96 FRANK PIEMME	USA	13:05.48 ED KERSWILL	USA	2001
1:27.25 BOB PATTEN	USA	2004	3:08.13 RAY TAFT	USA	13:14.50 C.BRUNELLESCHI	ITA	1998
1:27.38 NICK TEMPLEMAN	CAN	2001	3:08.78 LARRY GOOD	USA	13:15.02 ALDO DA ROSA	USA	1993
1:27.42 THOMAS WALKER	GBR	2005	3:08.80 DAVID RADCLIFF	USA	13:16.92 MAURICE LUSIEN	FRA	2001
1:27.58 SHUNSAKU TAKAHIRA	JPN	2003	400 M. I.M.		13:17.26 DEXTER WOODFORD	USA	1989
1:27.67 CLAUDIO NEGRI	ITA	2006	6:21.46 BURWELL JONES	USA	13:25.16 KEVIN VICKERY	AUS	1998
200 M. BRST			6:23.43 GRAHAM JOHNSTON	USA	1500 M. FREE		
3:08.60 HANS REICHEL	GER	2006	6:38.98 FRANK PIEMME	USA	22:27.75 GRAHAM JOHNSTON	USA	2006
3:09.86 PETER BELL	CAN	2005	6:39.24 JOHN CRISP	AUS	22:52.00 HIROSHI YOSHIMURA	JPN	2003
3:12.98 RON JOHNSON	USA	2003	6:44.53 E.NODENSCHNEIDER	FRA	24:22.70 FRANK PIEMME	USA	2000
3:13.39 THOMAS WALKER	GBR	2005	6:46.14 LARRY GOOD	USA	24:46.19 ALDO DA ROSA	USA	1993
3:14.52 CLAUDIO NEGRI	ITA	2006	6:47.09 JESUS DOMINGUEZ	ESP	24:47.25 THOMAS TAYLOR	USA	2006
3:14.66 TSUTOMU KAJIHARA	JPN	2003	6:48.33 KARL HAUTER	GER	25:23.92 RAYMOND TAFT	USA	1994
3:14.83 BOB PATTEN	USA	2004	6:49.75 ROGER FRANKS	USA	25:24.81 KARL HAUTER	GER	2001
3:15.42 HARTMUT LEMCKE	GER	2005	6:50.22 RON JOHNSON	USA	25:25.53 JURGEN SCHMIDT	USA	1998
3:16.44 KARL HAUTER	GER	1995	*****		25:26.79 ROGER FRANKS	USA	2002
3:17.39 H.MULLER	GER	2005	M E N 75-79		25:36.04 MINORU NAGASHIMA	JPN	2001
50 M. FLY			*****		50 M. BACK		
32.41 HIROSHI MATSUMOTO	JPN	2006	50 M. FREE		37.47 KEIJIRO NAKAMURA	JPN	1998
32.57 RONALD JOHNSON	USA	2001	31.06 FRANK PIEMME	USA	38.38 PAUL HUTINGER	USA	1999
33.61 BOB BAILIE	USA	2006	31.33 SHINGO YAMAMOTO	JPN	38.83 JACK HALE	GBR	1997
34.36 GENICHI IGARASHI	JPN	2006	31.64 ALDO EMINENTE	FRA	39.14 GORO TANIGUCHI	JPN	1997
34.40 MASAYASU KAMIYA	JPN	2002	32.09 KEIJIRO NAKAMURA	JPN	39.83 RAYMOND TAFT	USA	1994
34.54 WOLFRAM GOTTFRIED	GER	2004	32.20 TAKAHIKO NOMA	JPN	40.40 SHOUICHI SAKAMOTO	JPN	1994
34.58 MASARU IGARASHI	JPN	2005	32.42 RON JOHNSON	USA	40.93 HORACE KNOWLTON	USA	2004
34.60 CHUCK BALDWIN	USA	2000	32.48 JACK HALE	GBR	41.01 DUANE DRAVES	USA	2001
34.77 FRANK PIEMME	USA	1995	32.62 ARAM BOGHOSSIAN	BRA	41.12 YOZO TAENAKA	JPN	1997
34.96 JOHN JACEY	GBR	2004	32.65 SHOICHI SHIDA	JPN	41.31 SHOICHI SHIDA	JPN	2005
100 M. FLY			32.79 MAX VAN GELDER	AUS	100 M. BACK		
1:19.51 RONALD JOHNSON	USA	2001	100 M. FREE		1:24.21 KEIJIRO NAKAMURA	JPN	1998
1:20.31 HIROSHI MATSUMOTO	JPN	2006	1:10.71 SHINGO YAMAMOTO	JPN	1:25.13 PAUL HUTINGER	USA	2000
1:21.60 WOLFRAM GOTTFRIED	GER	2001	1:11.55 FRANK PIEMME	USA	1:25.22 ROGER FRANKS	USA	2002
1:22.37 TAKASHI HAYASHI	JPN	2005	1:13.35 JACK HALE	GBR	1:26.40 JACK HALE	GBR	1997
1:23.14 MASAYASU KAMIYA	JPN	2002	1:13.47 RAYMOND TAFT	USA	1:27.41 RAYMOND TAFT	USA	1994
1:24.63 WALLY DOBLER	USA	2004	1:13.69 ARAM BOGHOSSIAN	BRA	1:28.03 HORACE KNOWLTON	USA	2004
1:25.24 SEYMOUR BANNING	GBR	2003	1:13.70 GRAHAM JOHNSTON	USA	1:30.57 H.MIYAZAKI	JPN	1995
1:25.54 MASARU IGARASHI	JPN	2005	1:14.06 SHOICHI SHIDA	JPN	1:31.83 ROGER BURRELL	GBR	2006
1:26.07 JOHN CRISP	AUS	2005	1:14.29 FUMIO EGAMI	JPN	1:32.00 KARL HAUTER	GER	2001
1:26.98 JOSEPH KURTZMAN	USA	1996			1:32.07 DUANE DRAVES	USA	2001



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

200 M. BACK		3:26.72 ROBERT PFERSDORFF GER 1999	1:21.63 JIRO KOBAYASHI JPN 2005
2:58.21 ROGER FRANKS USA 2002		3:27.58 KARL HAUTER GER 2001	200 M. FREE
3:09.22 KEIJIRO NAKAMURA JPN 1999		3:31.23 MAURICE LUSIEN FRA 2001	3:00.21 KARL HAUTER GER 2005
3:10.22 RAYMOND TAFT USA 1994		3:39.51 THOMAS MAINE USA 2002	3:00.63 RAYMOND TAFT USA 1999
3:12.53 PAUL HUTINGER USA 2000		3:42.68 TOSHIMASA MINAMI JPN 2005	3:00.86 FRANK PIEMME USA 2005
3:13.86 BOB BARRY AUS 2006		3:42.99 MINORU NAGASHIMA JPN 2001	3:01.42 HIKOJI UEKI JPN 1995
3:14.41 HORACE KNOWLTON USA 2004		3:47.05 JAN ZIEGLER CZE 2000	3:07.37 JIRO KOBAYASHI JPN 2005
3:17.07 ROGER BURRELL GBR 2006		3:48.09 LEN GOLDSTONE USA 2004	3:08.98 JAN ZIEGLER CZE 2006
3:17.47 KARL HAUTER GER 2002		3:49.00 PAUL KRUP USA 1992	3:09.57 KEVIN VICKERY AUS 2003
3:17.78 JACK HALE GBR 1997		3:51.90 SILVANO DANIELI ITA 2003	3:10.03 HIDEAKI KATO JPN 2001
3:23.02 H.MIYAZAKI JPN 1995		100 M. I.M.	3:10.15 ALDO DA ROSA USA 1998
50 M. BRST		1:24.42 FRANK PIEMME USA 2000	3:10.90 JIM EUBANK USA 1999
39.97 TOSHIO TAJIMA JPN 2000		1:25.36 KARL HAUTER GER 2000	400 M. FREE
40.17 ROBERT PFERSDORFF GER 1999		1:27.43 RAYMOND TAFT USA 1994	6:27.60 RAY TAFT USA 1999
40.62 JOHN KORTHEUER USA 2006		1:28.97 BIRCH DAVIDSON USA 1994	6:30.21 KARL HAUTER GER 2006
42.13 ZENJI NAKAHARI JPN 2003		1:29.03 SHOICHI SHIDA JPN 2001	6:38.17 JAN ZIEGLER CZE 2005
42.14 CHARLES URSTADT USA 2004		1:29.21 CHARLES BALDWIN USA 2005	6:38.23 FRANK PIEMME USA 2005
42.30 WALTER MINNICH GER 1994		1:29.43 ZENJI NAKAHARI JPN 2003	6:47.71 JURGEN SCHMIDT USA 2005
42.30 AUGUSTO ROMANO ITA 1993		1:29.47 DUANE DRAVES USA 2001	6:54.21 RYUJI FUJIKAWA JPN 1998
42.33 GERHARD GIERA GER 2003		1:29.79 ASHLEY JONES USA 2006	6:55.19 ALDO DA ROSA USA 1998
42.75 ERICH NEUMANN GER 2005		1:30.62 GRAHAM JOHNSTON USA 2006	7:00.11 KEVIN VICKERY AUS 2003
42.76 HORST FRITZSCHE GER 2003		200 M. I.M.	7:03.26 ROBERT JOHNSTON USA 1997
100 M. BRST		3:10.06 KARL HAUTER GER 2000	7:04.15 NILS KLING SWE 2002
1:28.61 ROBERT PFERSDORFF GER 1999		3:16.44 FRANK PIEMME USA 2000	800 M. FREE
1:32.85 ERICH NEUMANN GER 2005		3:20.29 GRAHAM JOHNSTON USA 2006	13:29.27 RAYMOND TAFT USA 1999
1:33.20 ZENJI NAKAHARI JPN 2006		3:20.35 RAYMOND TAFT USA 1994	13:41.19 FRANK PIEMME USA 2005
1:34.60 KARL HAUTER GER 2000		3:22.14 ALDO V DA ROSA USA 1992	14:05.05 JURGEN SCHMIDT USA 2003
1:35.73 TOSHIO TAJIMA JPN 2002		3:22.71 HORACE KNOWLTON USA 2004	14:35.51 NILS KLING SWE 2004
1:35.87 ROBERT MACDONALD USA 2003		3:26.29 DUANE DRAVES USA 2001	14:36.00 KEVIN VICKERY AUS 2003
1:36.39 CHARLES BALDWIN USA 2005		3:26.45 FRANK TANNER USA 2006	14:37.33 HIROSHI IMAIZUMI JPN 2005
1:36.42 CURT ZEISS GER 2006		3:28.01 ASHLEY JONES USA 2006	14:46.09 NORBERT ARTUS CAN 1997
1:36.60 AUGUSTO ROMANO ITA 1994		3:30.35 JURGEN SCHMIDT USA 1999	14:49.24 ROBERT JOHNSTON USA 1997
1:36.66 FRANK PIEMME USA 2000		400 M. I.M.	14:50.91 WILLARD LAMB USA 2006
200 M. BRST		6:52.62 KARL HAUTER GER 2001	14:55.36 LEE ARTH USA 2005
3:21.50 KARL HAUTER GER 2000		6:59.68 FRANK PIEMME USA 2000	1500 M. FREE
3:24.84 ROBERT PFERSDORFF GER 1999		7:07.64 GRAHAM JOHNSTON USA 2006	25:35.01 RAY TAFT USA 1999
3:28.02 ESKO SALONEN FIN 2001		7:08.53 RAYMOND TAFT USA 1994	26:41.69 ALDO DA ROSA USA 1998
3:29.54 AL CRAIG USA 2003		7:20.86 ALDO V DA ROSA USA 1992	27:03.64 JURGEN SCHMIDT USA 2005
3:30.52 FRANK PIEMME USA 2000		7:27.62 FRANK TANNER USA 2006	27:33.01 ROBERT JOHNSTON USA 1997
3:32.66 ERICH NEUMANN GER 2005		7:31.50 JAN ZIEGLER CZE 2001	27:33.43 HIROSHI IMAIZUMI JPN 2005
3:34.29 ALDO DA ROSA USA 1993		7:32.85 DUANE DRAVES USA 2002	27:56.50 LEE ARTH USA 2005
3:34.40 AUGUSTO ROMANO ITA 1994		7:35.36 LEN GOLDSTONE USA 2004	28:07.58 RYUJI FUJIKAWA JPN 1999
3:34.55 ZENJI NAKAHARI JPN 2005		7:36.00 BIRCH DAVIDSON USA 1994	28:21.48 NORBERT ARTUS CAN 1997
3:34.95 ROBERT MCDONALD USA 2005		*****	28:43.31 DEXTER WOODFORD USA 1994
50 M. FLY		M E N 80-84	29:05.37 WILLARD LAMB USA 2006
33.27 ARAM BOGHOSSIAN BRA 2004		*****	50 M. BACK
34.83 FRANK PIEMME USA 2000		50 M. FREE	38.26 KEIJIRO NAKAMURA JPN 2003
36.88 TAMON YOSHIDA JPN 2001		32.61 KEIJIRO NAKAMURA JPN 2004	41.31 SHOICHI SHIDA JPN 2006
37.18 ROBERT PFERSDORFF GER 1999		32.80 FRANK PIEMME USA 2005	41.58 PAUL HUTINGER USA 2004
37.32 ASHLEY JONES USA 2006		33.23 B.SCHLURIKE GER 2001	42.11 DALE WEBSTER USA 2006
37.66 YOSHIO ISHIGURO JPN 2006		34.74 SHOICHI SHIDA JPN 2006	42.16 SHOICHI SAKAMOTO JPN 1998
38.00 JACK HALE GBR 1997		35.09 TOSHIMI INATOMI JPN 2006	42.96 RAY TAFT USA 1999
38.28 RON JOHNSON USA 2006		35.11 SHOICHI SAKAMOTO JPN 2001	43.66 WILLIAM ROWE USA 1997
38.70 FUMIO EGAMI JPN 2005		35.16 WOODROW BOWERSOCK USA 1993	43.71 OTTO CLAUS GER 1995
38.70 CHARLES BALDWIN USA 2005		35.31 TOSHIO TAJIMA JPN 2005	43.92 EDWARD SHEA USA 1994
38.70 RAYMOND TAFT USA 1995		35.52 DALE WEBSTER USA 2006	44.04 GORO KOBAYASHI JPN 1998
100 M. FLY		35.70 C.BRUNELLESCHI ITA 2003	100 M. BACK
1:32.07 ROBERT PFERSDORFF GER 2000		100 M. FREE	1:25.77 KEIJIRO NAKAMURA JPN 2003
1:32.31 RON JOHNSON USA 2006		1:16.09 KEIJIRO NAKAMURA JPN 2003	1:33.27 PAUL HUTINGER USA 2004
1:32.41 KARL HAUTER GER 2001		1:16.30 SHOICHI SHIDA JPN 2006	1:33.58 RAY TAFT USA 1999
1:35.41 FRANK PIEMME USA 2000		1:17.02 FRANK PIEMME USA 2005	1:35.25 JAN ZIEGLER CZE 2005
1:36.80 PAUL KRUP USA 1992		1:18.67 B.SCHLURIKE GER 2002	1:36.13 KARL HAUTER GER 2006
1:37.68 TOSHIMASA MINAMI JPN 2005		1:18.80 HIKOJI UEKI JPN 1995	1:36.41 ALDO DA ROSA USA 1998
1:38.40 MAX VAN GELDER NED 2000		1:20.65 WOODROW BOWERSOCK USA 1993	1:37.17 EDWARD SHEA USA 1994
1:38.87 MINORU NAGASHIMA JPN 2002		1:20.97 KARL HAUTER GER 2005	1:38.01 DALE WEBSTER USA 2006
1:39.04 JAN ZIEGLER CZE 2000		1:21.28 HIDEAKI KATO JPN 2001	1:38.04 TOSHIJI SATO JPN 1996
1:40.40 THOMAS MAINE USA 2000		1:21.52 RAYMOND TAFT USA 1999	1:40.16 GORO KOBAYASHI JPN 1998
200 M. FLY			200 M. BACK



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

3:10.06	KEIJIRO NAKAMURA	JPN	2003	4:17.29	MINORU NAGASHIMA	JPN	2006	3:13.45	JIM EUBANK	USA	2000
3:23.73	RAY TAFT	USA	1999	4:18.70	HIRONARI UEDA	JPN	2002	3:15.87	HIKOJI UEKI	JPN	2000
3:32.87	KARL HAUTER	GER	2005	4:25.99	WALTER PFEIFFER	USA	1994	3:29.01	TOKUSHI KOMEDA	JPN	2000
3:33.60	JAN ZIEGLER	CZE	2006	4:37.61	PAUL HUTINGER	USA	2005	3:39.35	SABURO IWASAKI	JPN	2001
3:33.91	EDWARD SHEA	USA	1994	4:44.45	LEE ARTH	USA	2005	3:42.64	STEVE CARLSON	USA	2006
3:39.12	PAUL HUTINGER	USA	2004	4:50.00	JACQUES AMYOT	CAN	2004	3:43.53	RYUJI FUJIKAWA	JPN	2003
3:40.75	C.SCHERER	GER	1995	4:52.61	DON LEADER	GBR	2004	3:43.55	KISABURO WADA	JPN	2002
3:40.95	G.SHIMOMOTO	JPN	2006	4:57.45	RICHARD SMITH	USA	2001	3:44.09	R.REINSTADTLER	GER	1997
3:41.92	GENNOSUKE SHIMOMO	JPN	2005	100 M. I.M.				3:45.82	ARTHUR THOMAS	AUS	2002
3:43.98	JOHN MERRILL	USA	1998	1:31.77	SHOICHI SHIDA	JPN	2006	3:47.84	WOODY BOWERSOCK	USA	1998
50 M. BRST				1:32.25	KARL HAUTER	GER	2005	400 M. FREE			
41.42	TOSHIO TAJIMA	JPN	2005	1:32.65	FRANK PIEMME	USA	2005	7:19.94	JIM EUBANK	USA	2000
43.99	Y.KAWABATA	JPN	2006	1:33.50	JAN ZIEGLER	CZE	2006	7:27.29	TOKUSHI KOMEDA	JPN	1999
44.56	Y.MIYAMOTO	JPN	1997	1:35.31	RAY TAFT	USA	1999	7:47.75	ALDO DA ROSA	USA	2002
45.13	HORST FRITSCH	GER	2006	1:35.60	MAX VAN GELDER	NED	2004	7:49.70	RYUJI FUJIKAWA	JPN	2002
45.40	MAX VON ISSER	USA	1999	1:38.31	ALDO DA ROSA	USA	1998	7:54.24	GUS LANGNER	USA	1988
45.52	WATARU ASAOKA	JPN	2005	1:38.56	ANDREW HOLDEN	USA	1999	7:58.36	NILS FERM	SWE	2002
45.52	KARL WITTENBERG	GER	1990	1:40.43	SADAYUKI WAKAI	JPN	2003	8:04.16	HIROSHI SAIGO	JPN	2001
45.63	BARTON GREENBERG	USA	2004	1:42.52	HIROSHI IMAIZUMI	JPN	2005	8:10.74	ARTHUR THOMAS	AUS	2004
45.78	FRANK PIEMME	USA	2005	200 M. I.M.				8:13.18	STEVE CARLSON	USA	2004
45.82	MAX VAN GELDER	NED	2004	3:26.48	KARL HAUTER	GER	2006	8:19.50	HAROLD DODD	GBR	2004
100 M. BRST				3:37.04	RAYMOND TAFT	USA	1999	800 M. FREE			
1:36.91	KARL HAUTER	GER	2005	3:39.84	ALDO DA ROSA	USA	1998	15:15.68	JIM EUBANK	USA	2000
1:39.85	TOSHIO TAJIMA	JPN	2005	3:44.29	THOMAS MAINE	USA	2005	16:19.95	TOKUSHI KOMEDA	JPN	1999
1:42.05	FRANK PIEMME	USA	2005	3:46.96	ANTON CERER	USA	1997	16:28.13	HAROLD DODD	GBR	2001
1:43.54	MAX VON ISSER	USA	1999	3:50.06	HIROSHI IMAIZUMI	JPN	2005	16:35.66	DICK GUIDO	USA	2002
1:43.70	JAN ZIEGLER	CZE	2006	3:50.55	WOODROW BOWERSOCK	USA	1994	16:38.41	NILS FERM	SWE	2003
1:43.91	Y.MIYAMOTO	JPN	1997	3:59.52	WALT PFEIFFER	USA	1994	16:53.90	GUS LANGNER	USA	1988
1:45.09	ALDO DA ROSA	USA	1998	3:59.82	JACQUES AMYOT	CAN	2004	16:53.91	RYUJI FUJIKAWA	JPN	2002
1:45.51	BARTON GREENBERG	USA	2004	3:59.95	ISAO FUNAMOTO	JPN	2002	17:32.11	ARTHUR THOMAS	AUS	2004
1:45.93	WATARU ASAOKA	JPN	2005	400 M. I.M.				17:47.94	AUSTIN NEWMAN	USA	2003
1:46.48	HIROMU YOSHIMOTO	JPN	1995	7:26.06	KARL HAUTER	GER	2005	18:06.72	RICHARD SMITH	USA	2005
200 M. BRST				7:37.58	RAY TAFT	USA	1999	1500 M. FREE			
3:40.73	KARL HAUTER	GER	2005	7:49.23	FRANK PIEMME	USA	2005	29:55.69	JIM EUBANK	USA	2000
3:47.50	JAN ZIEGLER	CZE	2006	7:53.88	ALDO DA ROSA	USA	1998	30:31.85	TOKUSHI KOMEDA	JPN	1999
3:47.87	FRANK PIEMME	USA	2005	7:56.34	THOMAS MAINE	USA	2005	31:05.09	RYUJI FUJIKAWA	JPN	2002
3:50.86	MAX VAN GELDER	NED	2004	8:00.81	ANTON CERER	USA	1997	32:11.96	HAROLD DODD	GBR	2004
3:56.33	ISAO FUNAMOTO	JPN	2002	8:33.86	JURGEN SCHMIDT	USA	2003	32:20.20	GUS LANGNER	USA	1988
3:57.72	FERNANDO NAJERA	MEX	2003	8:34.45	WALTER PFEIFFER	USA	1994	32:43.03	NILS FERM	SWE	2003
3:58.96	ALDO DA ROSA	USA	1998	8:36.45	TED ROACH	CAN	2005	33:50.15	ARTHUR THOMAS	AUS	2002
4:00.80	WATARU ASAOKA	JPN	2005	8:38.45	JACQUES AMYOT	CAN	2004	34:02.37	RICHARD SMITH	USA	2005
4:02.12	HANS MORSCHER	AUT	1996	*****				35:02.69	AUSTIN NEWMAN	USA	2004
4:02.90	JACQUES AMYOT	CAN	2004	*****				35:27.51	OLE LARSON	USA	2006
50 M. FLY				*****				50 M. BACK			
40.24	FRANK PIEMME	USA	2005	*****				43.80	GORO KOBAYASHI	JPN	2001
40.25	TOSHIO TAJIMA	JPN	2005	*****				46.08	TOSHIJI SATO	JPN	2000
40.66	TAMON YOSHIDA	JPN	2006	50 M. FREE				46.35	SHOICHI SAKAMOTO	JPN	2003
41.87	ANDREW HOLDEN	USA	1999	36.61	JIM EUBANK	USA	2000	47.17	R.REINSTADTLER	GER	1997
42.14	MAX VON ISSER	USA	1999	37.08	SHOICHI SAKAMOTO	JPN	2003	47.34	ALDO DA ROSA	USA	2002
42.50	JAN ZIEGLER	CZE	2005	37.16	WOODROW BOWERSOCK	USA	1998	48.79	EDWARD SHEA	USA	1999
44.75	Y.MIYAMOTO	JPN	1997	37.85	ANDREW HOLDEN	USA	2004	49.24	ANDREW HOLDEN	USA	2004
45.44	KAKUICHI YANAGAWA	JPN	2001	37.96	WILLIAM JOHNSTON	USA	2003	49.75	C.SCHERER	GER	1999
45.55	PAUL KRUP	USA	1998	38.52	GORO KOBAYASHI	JPN	2002	49.86	NILS FERM	SWE	2003
45.56	ROGERS HOLMES	USA	2001	38.82	R.REINSTADTLER	GER	1997	50.33	TOKUSHI KOMEDA	JPN	2000
100 M. FLY				39.19	ISAMU TAMURA	JPN	2004	100 M. BACK			
1:36.53	KARL HAUTER	GER	2005	39.79	ARTHUR THOMAS	AUS	2002	1:39.08	GORO KOBAYASHI	JPN	2002
1:41.82	JAN ZIEGLER	CZE	2005	40.83	MASAO UEDA	JPN	1997	1:40.25	TOSHIJI SATO	JPN	2000
1:43.20	MAX VAN GELDER	NED	2004	100 M. FREE				1:48.79	ALDO DA ROSA	USA	2002
1:47.17	FRANK PIEMME	USA	2005	1:23.20	JIM EUBANK	USA	2000	1:48.95	EDWARD SHEA	USA	1999
1:48.41	MINORU NAGASHIMA	JPN	2006	1:27.00	HIKOJI UEKI	JPN	2000	1:50.96	R.REINSTADTLER	GER	2000
1:49.51	THOMAS MAINE	USA	2005	1:29.62	WOODY BOWERSOCK	USA	1998	1:52.69	H.REITEMEYER	GER	2006
1:50.39	ANTON CERER	USA	1997	1:29.92	GORO KOBAYASHI	JPN	2003	1:54.18	HIROMICHI MIYAZAKI	JPN	2005
1:52.51	WALT PFEIFFER	USA	1994	1:34.08	TOKUSHI KOMEDA	JPN	2000	1:54.47	RYUJI FUJIKAWA	JPN	2002
1:53.80	RAYMOND TAFT	USA	1999	1:34.55	ARTHUR THOMAS	AUS	2002	1:55.25	JOHN MERRILL	USA	2006
1:54.15	PAUL KRUP	USA	1997	1:35.00	ISAMU TAMURA	JPN	2005	1:55.35	TOKUSHI KOMEDA	JPN	2000
200 M. FLY				1:35.43	ALDO DA ROSA	USA	2002	200 M. BACK			
4:00.64	ANTON CERER	USA	1997	1:35.66	SHIGEMASA OKAJIMA	JPN	2006	3:37.45	GORO KOBAYASHI	JPN	2002
4:17.12	PAUL KRUP	USA	1997	1:36.03	HIROSHI SAIGO	JPN	2001	4:00.80	ALDO DA ROSA	USA	2002
				200 M. FREE							



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

4:02.65 RYUJI FUJIKAWA	JPN 2002	8:26.16 ROY BODINE	USA 1997	400 M. FREE	
4:05.07 JOHN MERRILL	USA 2005	100 M. I.M.		8:50.65 GUS LANGNER	USA 1993
4:05.25 C.SCHERER	GER 1999	1:32.47 HEINZ SIEGEL	GER 2003	9:23.13 AUSTIN NEWMAN	USA 2005
4:06.86 EDWARD SHEA	USA 2000	1:48.23 ANDREW HOLDEN	USA 2004	9:34.51 TOKUSHI KOMEDA	JPN 2006
4:09.25 NILS FERM	SWE 2003	1:55.20 LUDWIG GEBURZI	GER 2006	9:37.35 WOODY BOWERSOCK	USA 2003
4:09.66 R.REINSTADTLER	GER 1999	1:55.35 MAX VON ISSER	USA 2004	9:41.12 R.REINSTADTLER	GER 2003
4:16.04 HIROMICHI MIYAZAK	JPN 2005	1:56.26 R.REINSTADTLER	GER 1997	9:47.46 JIM TRIOLO	USA 2004
4:17.43 JOHN HARRISON	GBR 1999	1:59.34 ISAMU TAMURA	JPN 2004	10:02.86 JOHN HARRISON	GBR 2004
50 M. BRST		2:01.14 TOKUSHI KOMEDA	JPN 2001	10:07.77 L GENE CROSSET	USA 2003
47.70 Y.MIYAMOTO	JPN 2002	2:06.07 M.FUKUSHIMA	JPN 2001	10:53.93 NOBUO USHIMI	JPN 2004
48.82 HIROMU YOSHIMOTO	JPN 2000	2:06.37 FRANK GRIFFITHS	AUS 1994	11:09.76 PAUL E. SPANGLER	USA 1989
50.04 SEIJI TAKAHASHI	JPN 2000	2:10.21 PAUL KRUP	USA 2004	800 M. FREE	
50.25 R.REINSTADTLER	GER 2000	200 M. I.M.		18:49.01 AUSTIN NEWMAN	USA 2005
50.44 WALTER MINNICH	GER 2004	4:07.59 ALDO DA ROSA	USA 2002	19:31.83 WOODY BOWERSOCK	USA 2003
50.69 H.REITEMEYER	GER 2006	4:19.20 ANDREW HOLDEN	USA 2004	20:48.59 JOHN HARRISON	GBR 2004
50.99 PAUL KRUP	USA 2002	4:24.58 WALT PFEIFFER	USA 1998	23:32.20 GUS LANGNER	USA 1998
51.17 KARL WITTENBERG	GER 1995	4:42.38 TOKUSHI KOMEDA	JPN 1999	25:36.41 EUGENE LEHMAN	CAN 2004
51.54 MAX VON ISSER	USA 2004	4:51.91 WILLIAM JOHNSTON	USA 2003	26:55.55 ROMAN JEZEK	CAN 2004
52.09 LUDWIG GEBURZI	GER 2006	4:56.70 HIRONARI UEDA	JPN 2006	1500 M. FREE	
100 M. BRST		5:02.31 HERB EISENSCHMIDT	USA 1991	35:20.36 AUSTIN NEWMAN	USA 2005
1:50.32 HIROMU YOSHIMOTO	JPN 2000	5:08.19 ALDO CAPUTI	ITA 2003	39:33.78 WOODY BOWERSOCK	USA 2004
1:56.21 ALDO DA ROSA	USA 2002	5:23.70 LUIGI DAVOGLIO	ITA 1995	40:43.49 JOHN HARRISON	GBR 2004
1:59.82 Y.MIYAMOTO	JPN 2002	5:54.83 GUS LANGNER	USA 1990	44:48.99 GUS LANGNER	USA 1996
2:00.02 H.REITEMEYER	GER 2006	400 M. I.M.		47:19.71 EUGENE LEHMAN	CAN 2004
2:01.87 LUDWIG GEBURZI	GER 2006	9:32.65 WALT PFEIFFER	USA 1998	51:43.20 PAUL E. SPANGLER	USA 1990
2:03.83 MAX VON ISSER	USA 2004	9:36.09 ANDREW HOLDEN	USA 2004	50 M. BACK	
2:04.45 PAUL KRUP	USA 2002	10:26.11 HIRONARI UEDA	JPN 2006	53.24 R.REINSTADTLER	GER 2002
2:04.71 SEIJI TAKAHASHI	JPN 2000	10:47.13 HERB EISENSCHMIDT	USA 1991	53.32 TOSHIJI SATO	JPN 2005
2:06.89 GIORDANO RAGGI	ITA 1999	11:07.74 WILLIAM JOHNSTON	USA 2003	55.47 KAZUNAGA AKUTSU	JPN 2003
2:07.15 ALFRED SCHULHOF	CAN 2004	12:53.77 DON MCCULLOUGH	USA 2001	56.15 MASAHISA KANEKO	JPN 2003
200 M. BRST		13:01.15 ROY BODINE	USA 1996	57.09 WOODY BOWERSOCK	USA 2003
4:16.20 ALDO DA ROSA	USA 2002			57.73 SHOGORO AZUMA	JPN 2002
4:20.43 HIROMU YOSHIMOTO	JPN 2001	*****		59.55 JOHN HARRISON	GBR 2004
4:28.38 Y.MIYAMOTO	JPN 2002	M E N 90-94		59.92 TOKUSHI KOMEDA	JPN 2006
4:36.88 PAUL KRUP	USA 2002	*****		1:00.09 HEINZ JAHR	GER 1997
4:44.32 WALT PFEIFFER	USA 1998	50 M. FREE		1:00.86 NORI YAMAMOTO	JPN 2001
4:45.69 GIORDANO RAGGI	ITA 1999	41.07 WOODY BOWERSOCK	USA 2003	100 M. BACK	
4:49.45 ALFRED SCHULHOF	CAN 2004	42.60 GORO KOBAYASHI	JPN 2006	1:47.66 GORO KOBAYASHI	JPN 2006
4:58.98 FRANK GRIFFITHS	AUS 1994	42.93 TOKUSHI KOMEDA	JPN 2004	1:58.27 TOSHIJI SATO	JPN 2005
5:00.00 BUD JACKSON	USA 2004	43.89 KAZUNAGA AKUTSU	JPN 2002	2:00.25 R.REINSTADTLER	GER 2002
5:04.17 BRUD CLEVELAND	USA 2002	45.03 R.REINSTADTLER	GER 2002	2:06.00 WOODY BOWERSOCK	USA 2003
50 M. FLY		45.92 MASAHISA KANEKO	JPN 2002	2:09.05 MASAHISA KANEKO	JPN 2003
43.35 MAX VON ISSER	USA 2004	46.23 MASAO UEDA	JPN 2002	2:10.00 JOHN HARRISON	GBR 2006
47.89 ANDREW HOLDEN	USA 2004	46.94 GASTAO FIGUEIREDO	BRA 2000	2:24.48 JOHN WHITE	USA 2006
50.51 Y.MIYAMOTO	JPN 2002	49.37 HEINZ SIEGEL	GER 2004	2:29.06 NORI YAMAMOTO	JPN 1999
52.74 WALT PFEIFFER	USA 1998	50.09 GUS LANGNER	USA 1993	2:31.93 JIM TRIOLO	USA 2004
53.00 PAUL KRUP	USA 2004	100 M. FREE		2:40.75 JOE KAUFMAN	USA 1995
53.41 LUDWIG GEBURZI	GER 2006	1:39.26 WOODY BOWERSOCK	USA 2003	200 M. BACK	
54.74 ALDO DA ROSA	USA 2002	1:41.47 TOKUSHI KOMEDA	JPN 2004	4:20.68 R.REINSTADTLER	GER 2002
56.72 KAKUICHI YANAGAWA	JPN 2006	1:47.51 MASAHISA KANEKO	JPN 2002	4:47.45 WOODY BOWERSOCK	USA 2003
57.12 WILLIAM JOHNSTON	USA 2003	1:51.96 HEINZ SIEGEL	GER 2004	4:56.91 GASTAO FIGUEIREDO	BRA 2000
57.69 MIRIO VISENTIN	ARG 2006	1:54.87 R.REINSTADTLER	GER 2002	5:00.38 JOHN HARRISON	GBR 2004
100 M. FLY		1:56.88 GASTAO FIGUEIREDO	BRA 2000	5:16.23 JEAN LEEMPUT	FRA 2005
2:01.65 ANDREW HOLDEN	USA 2004	1:57.38 KAZUNAGA AKUTSU	JPN 2004	5:18.95 JIM TRIOLO	USA 2004
2:04.50 WALT PFEIFFER	USA 1998	1:58.42 GUS LANGNER	USA 1993	5:25.49 JOHN WHITE	USA 2006
2:13.39 ALDO DA ROSA	USA 2002	2:01.29 JARING TIMMERMAN	CAN 1999	5:44.64 JOE KAUFMAN	USA 1996
2:15.74 PAUL KRUP	USA 2003	2:06.10 ALFREDO CHERCHI	AUS 1997	5:52.14 NORI YAMAMOTO	JPN 1999
2:23.30 R.REINSTADTLER	GER 1997	200 M. FREE		5:54.40 ALFREDO CHERCHI	AUS 1997
2:25.92 ALDO CAPUTI	ITA 2003	3:39.65 TOKUSHI KOMEDA	JPN 2004	50 M. BRST	
2:26.79 HIRONARI UEDA	JPN 2006	3:59.28 WOODY BOWERSOCK	USA 2003	53.23 HEINZ JAHR	GER 1997
2:28.43 KAKUICHI YANAGAWA	JPN 2006	4:20.43 GASTAO FIGUEIREDO	BRA 2000	55.68 HIROMU YOSHIMOTO	JPN 2005
2:37.89 WILLIAM JOHNSTON	USA 2003	4:23.15 MASAHISA KANEKO	JPN 2003	1:00.00 JOHN HARRISON	GBR 2006
2:40.10 LUIGI DAVOGLIO	ITA 1994	4:27.70 GUS LANGNER	USA 1993	1:02.37 ALDO CAPUTI	ITA 2005
200 M. FLY		4:41.18 L GENE CROSSET	USA 2003	1:03.85 R.REINSTADTLER	GER 2002
4:49.10 WALT PFEIFFER	USA 1998	4:43.45 AUSTIN NEWMAN	USA 2005	1:04.67 HEINZ SIEGEL	GER 2004
5:01.50 PAUL KRUP	USA 2002	4:44.76 R.REINSTADTLER	GER 2003	1:05.61 HANS PAUL	GER 1998
5:33.83 HIRONARI UEDA	JPN 2006	4:45.38 ALFREDO CHERCHI	AUS 1997	1:05.91 MASAHISA KANEKO	JPN 2002
6:10.72 WILLIAM JOHNSTON	USA 2003	4:48.21 JARING TIMMERMAN	CAN 1999	1:06.20 KAZUNAGA AKUTSU	JPN 2002



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS - ALL TIME (1986-2006)

1:07.22	JIM PENFIELD	USA	1998	57.57	GUS LANGNER	USA	1998
100 M.	BRST			1:01.65	GERSON SOBEL	USA	2005
2:15.14	HIROMU YOSHIMOTO	JPN	2005	1:06.95	JARING TIMMERMAN	CAN	2004
2:32.87	MASAHISA KANEKO	JPN	2002	1:10.32	ALFREDO CHERCHI	AUS	2002
2:45.20	JIM PENFIELD	USA	1998	1:38.62	ETSURO YASUI	JPN	2006
2:46.31	WALT PFEIFFER	USA	2003	1:43.00	HANS HAHN	GER	2004
2:49.83	ROMAN JEZEK	CAN	2004	2:07.50	BILL REEDER	USA	2006
2:49.96	JIM PANTON	CAN	2004	100 M.	FREE		
2:54.08	DERRICK DAVEY	GBR	2004	2:19.51	GUS LANGNER	USA	1998
3:00.04	JOHN HARRISON	GBR	2004	2:31.62	JARING TIMMERMAN	CAN	2004
3:01.95	GUS LANGNER	USA	1993	200 M.	FREE		
3:20.84	YONEO TOBASE	JPN	2000	5:13.46	GUS LANGNER	USA	1998
200 M.	BRST			5:42.47	ALFREDO CHERCHI	AUS	2002
4:59.71	HIROMU YOSHIMOTO	JPN	2005	400 M.	FREE		
5:35.74	MASAHISA KANEKO	JPN	2003	10:51.93	GUS LANGNER	USA	1998
5:58.17	WALT PFEIFFER	USA	2003	800 M.	FREE		
6:06.92	ROMAN JEZEK	CAN	2004	22:05.55	GUS LANGNER	USA	1998
6:11.93	ALDO CAPUTI	ITA	2005	1500 M.	FREE		
6:22.73	JIM PANTON	CAN	2004	41:29.87	GUS LANGNER	USA	1998
6:41.56	GUS LANGNER	USA	1994	50 M.	BACK		
7:20.98	ARTHUR EVANS	AUS	2004	1:10.42	NORI YAMAMOTO	JPN	2004
7:24.29	YONEO TOBASE	JPN	2000	1:25.49	JARING TIMMERMAN	CAN	2004
8:50.40	EUGENE LEHMAN	CAN	2003	1:27.67	GUS LANGNER	USA	1998
50 M.	FLY			1:33.27	ALFREDO CHERCHI	AUS	2002
56.09	WALT PFEIFFER	USA	2003	1:45.41	HANS HAHN	GER	2003
1:00.50	HEINZ JAHR	GER	1997	1:58.81	BILL REEDER	USA	2005
1:07.00	ALDO CAPUTI	ITA	2005	100 M.	BACK		
1:08.25	R.REINSTADTLER	GER	2002	3:05.23	NORI YAMAMOTO	JPN	2005
1:09.41	HEINZ SIEGEL	GER	2004	3:38.07	GUS LANGNER	USA	1998
1:22.46	NORI YAMAMOTO	JPN	1999	3:59.38	ALFREDO CHERCHI	AUS	2002
1:25.02	JOHN HARRISON	GBR	2004	4:00.58	HANS HAHN	GER	2004
1:29.42	JIM PENFIELD	USA	1998	4:27.89	BILL REEDER	USA	2005
1:38.44	ROMAN JEZEK	CAN	2004	200 M.	BACK		
1:40.91	EUGENE LEHMAN	CAN	2004	7:01.87	ALFREDO CHERCHI	AUS	2002
100 M.	FLY			8:32.34	GUS LANGNER	USA	1998
2:21.82	WALT PFEIFFER	USA	2003	9:31.21	BILL REEDER	USA	2005
2:41.14	ALDO CAPUTI	ITA	2005	50 M.	BRST		
4:25.80	EUGENE LEHMAN	CAN	2003	1:31.60	GUS LANGNER	USA	1998
4:50.20	BILL REEDER	USA	2001	3:07.96	BILL REEDER	USA	2005
200 M.	FLY			100 M.	BRST		
5:37.23	WALT PFEIFFER	USA	2003	3:35.33	GUS LANGNER	USA	1998
9:14.77	EUGENE LEHMAN	CAN	2003	200 M.	BRST		
100 M.	I.M.			7:29.31	GUS LANGNER	USA	1998
2:08.86	TOKUSHI KOMEDA	JPN	2004	100 M.	I.M.		
2:14.23	WALT PFEIFFER	USA	2003	3:33.98	GUS LANGNER	USA	1998
2:16.67	R.REINSTADTLER	GER	2002	5:45.94	BILL REEDER	USA	2005
2:18.93	ALDO CAPUTI	ITA	2005				
2:24.64	HEINZ SIEGEL	GER	2004	*****			
2:28.50	WOODY BOWERSOCK	USA	2003	M E N 100-104			
2:32.79	NORI YAMAMOTO	JPN	2000	*****			
2:49.39	JOHN HARRISON	GBR	2004	50 M.	FREE		
3:00.53	GUS LANGNER	USA	1994	2:06.66	TOM LANE	USA	1995
3:04.52	ROMAN JEZEK	CAN	2004	100 M.	FREE		
200 M.	I.M.			4:32.29	TOM LANE	USA	1995
5:13.24	WALT PFEIFFER	USA	2003	50 M.	BACK		
6:10.00	JOHN HARRISON	GBR	2004	2:02.52	TOM LANE	USA	1995
7:18.74	ROMAN JEZEK	CAN	2004				
7:32.22	EUGENE LEHMAN	CAN	2004				
8:43.21	BILL REEDER	USA	2001				
400 M.	I.M.						
11:15.65	WALT PFEIFFER	USA	2003				
15:45.53	EUGENE LEHMAN	CAN	2003				
17:59.19	BILL REEDER	USA	2000				

M E N 95-99

50 M. FREE