



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

*****			18:04.01	REBECCA PERROTT	NZL 1991	28.09	MARJA PARSSINEN	FIN 1997
WOMEN 25-29			50 M. BACK			28.19	JENNIFER BROOKS	USA 2003
*****			30.52	NAHOMI ERIGUCHI	JPN 2004	28.30	C.SIEVERT	GER 2000
50 M. FREE			30.73	KAORU ONO	JPN 1998	28.72	SHELLY JOHNSTON	USA 2006
25.42	ANNABEL KOSTEN	NED 2004	30.80	DIANE GRANER	USA 1989	28.79	ROSEMARIE SEAMAN	USA 1987
26.20	ALISON SHEPPARD	GBR 1998	31.05	PAMELA HANSON	USA 2005	28.81	HITOMI MATSUDA	JPN 2006
26.61	SANDRA KAZIKOVA	CZE 2005	31.14	HELEN SLATTER	GBR 1996	28.82	ANNA PETTIS-SCOTT	USA 1992
26.68	SARA SHAND	USA 1991	31.14	MARIA RIVERA	VEN 2002	28.87	SHARRON DAVIES	GBR 1990
26.82	HEATHER HAGEMAN	USA 1997	31.21	C.GIBSON	CAN 1986	28.98	LYNDSEY LINKE	USA 2006
26.96	MONICA BENVENUTI	ITA 2003	31.30	JUNKO ANDO	JPN 2000	29.08	DIANE BUIDUYET	FRA 2006
26.99	PETRA MARTIN	USA 2005	31.38	KANA OHASHI	JPN 2004	100 M. FLY		
27.01	MIHO OKUHARA	JPN 2006	31.40	CAREN MAHN	GER 1992	1:01.04	RACHEL KOMISARZ	USA 2001
27.05	MARIA RIVERA	VEN 2002	100 M. BACK			1:03.18	SHELLY JOHNSTON	USA 2006
27.06	ANNA PETTIS-SCOTT	USA 1992	1:05.02	ALISON SHEPPARD	GBR 1998	1:03.29	HITOMI MATSUDA	JPN 2006
100 M. FREE			1:05.61	KANA OHASHI	JPN 2006	1:03.67	SHEILA TAORMINA	USA 1995
57.76	SHEILA TAORMINA	USA 1995	1:06.13	KAORU ONO	JPN 1998	1:03.89	JENNIFER BROOKS	USA 2003
58.22	ALISON SHEPPARD	GBR 1998	1:06.37	LIA OBERSTAR	USA 2004	1:03.91	ROSEMARIE SEAMAN	USA 1987
58.23	SARA SHAND	USA 1991	1:06.46	MONIQUE RODAHL	NZL 1989	1:03.98	MONIQUE RODAHL	NZL 1989
58.59	HITOMI MATSUDA	JPN 2006	1:07.13	PAMELA HANSON	USA 2005	1:04.17	C.SIEVERT	GER 2000
58.65	CAROLINE KILIAN	USA 2006	1:07.18	LAUREN MORELLI	USA 2006	1:04.65	KIM VAN KRUYSSSEN	BEL 2000
58.72	MONICA BENVENUTI	ITA 2003	1:07.20	YUKO TAKUWA	JPN 1992	1:04.67	CHIZUKO UMIGUCHI	JPN 1996
58.75	KATATIN QUELENNEC	FRA 2006	1:07.29	MARIA RIVERA	VEN 2002	200 M. FLY		
58.89	SILVIA SZALAI	GER 2001	1:07.32	DIANE GRANER	USA 1989	2:16.82	KIM VAN KRUYSSSEN	BEL 2000
58.97	ROSEMARIE SEAMAN	USA 1987	200 M. BACK			2:17.51	SHEILA TAORMINA	USA 1996
59.24	LIESL TANER	USA 2005	2:17.56	KANA OHASHI	JPN 2006	2:18.69	S.PALMERWHITE	AUS 1992
200 M. FREE			2:19.97	DIANE GRANER	USA 1989	2:18.80	CHIZUKO UMIGUCHI	JPN 1997
2:02.06	SHEILA TAORMINA	USA 1996	2:20.76	MONIQUE RODAHL	NZL 1989	2:20.72	HELEN SLATTER	GBR 1996
2:02.44	RACHEL KOMISARZ	USA 2001	2:20.88	ALISON SHEPPARD	GBR 1998	2:21.27	HITOMI MATSUDA	JPN 2006
2:06.37	KIM VAN KRUYSSSEN	BEL 2000	2:22.41	LIA OBERSTAR	USA 2004	2:22.42	JUNE FORD	USA 1987
2:06.81	HITOMI MATSUDA	JPN 2005	2:24.15	PAMELA HANSON	USA 2005	2:24.36	SARA L SHAND	USA 1989
2:07.11	SARA L SHAND	USA 1989	2:25.98	J.ADAMS	GBR 1987	2:25.02	JACKIE THOMPSON	GBR 1996
2:07.14	SHARRON DAVIES	GBR 1990	2:26.27	C.GIBSON	CAN 1986	2:25.54	PATRICIA BRITTO	BRA 1997
2:08.02	TATIANA BARBOSA	BRA 2006	2:26.62	MARTIE MC KINNEY	USA 1994	200 M. I.M.		
2:08.44	LYNNE BLOMBERG	USA 1989	2:27.28	CAMILIA JOHANSSON	USA 2002	2:19.65	MARGOT JANDEL	GER 2003
2:08.55	DIANE GRANER	USA 1989	50 M. BRST			2:20.71	HITOMI MATSUDA	JPN 2005
2:09.02	BETH KNIGHT	USA 1989	32.01	S.SEMINATORE	ITA 1989	2:21.98	ALLISON WAGNER	USA 2005
400 M. FREE			32.79	MANUELA NACKEL	GER 2000	2:22.00	SHARRON DAVIES	GBR 1990
4:13.03	SHEILA TAORMINA	USA 1996	33.54	SILKE HORNER	GER 1994	2:22.89	MONIQUE RODAHL	NZL 1989
4:16.31	RACHEL KOMISARZ	USA 2001	33.60	PETRA MARTIN	USA 2005	2:23.76	ALISON SHEPPARD	GBR 1998
4:24.11	SILVIA VIDA	GER 2003	33.68	HITOMI MATSUDA	JPN 2006	2:24.99	ANDREA SIMAKOVA	CZE 2003
4:26.63	KIM VAN KRUYSSSEN	BEL 2000	33.88	BEATE STEINHOF	GER 1992	2:25.45	SARA L SHAND	USA 1989
4:27.53	SARA L SHAND	USA 1989	33.98	ALISON SHEPPARD	GBR 1998	2:25.64	PAMELA HANSON	USA 2005
4:28.30	HITOMI MATSUDA	JPN 2006	34.08	BRIGITTE BECUE	BEL 2000	2:26.05	ELENA VOLPI	ITA 1997
4:30.24	CRISTINA TEUSCHER	GBR 2004	34.28	KATJA BRASCHOSS	GER 2006	400 M. I.M.		
4:30.54	S.PALMERWHITE	AUS 1992	34.29	MARIANNE GUIRAUD	FRA 2006	5:02.78	HITOMI MATSUDA	JPN 2006
4:31.02	MARY HOLMES	USA 1988	100 M. BRST			5:05.29	SHARRON DAVIES	GBR 1990
4:31.09	AMY POPE	USA 1988	1:12.09	BRIGITTE BECUE	BEL 2000	5:06.34	SARA L SHAND	USA 1989
800 M. FREE			1:12.65	HITOMI MATSUDA	JPN 2006	5:10.54	CRISTINA TEUSCHER	GBR 2004
8:47.44	RACHEL KOMISARZ	USA 2001	1:13.15	MANUELA NACKEL	GER 1999	5:11.02	S.PALMERWHITE	AUS 1992
8:53.93	K.BISHOP	AUS 1989	1:14.97	KATJA BRASCHOSS	GER 2006	5:11.68	ALLISON WAGNER	USA 2005
9:18.43	SARA L SHAND	USA 1989	1:15.31	CHARLOTTE MUSTARD	GBR 1996	5:12.22	LYNNE BLOMBERG	USA 1989
9:18.74	MARY HOLMES	USA 1988	1:15.33	WIEBKE CONRAD	GER 2006	5:12.46	KARLYN PIPES	USA 1987
9:18.78	JUDY FORD	USA 1988	1:15.48	HELEN SALCEDO	USA 2002	5:13.94	CHRIS WIEGAND	GER 2000
9:24.22	MARY H ROEBUCK	USA 1990	1:15.89	REBECCA BRUCH	USA 2000	5:14.47	MIEKE SMET	BEL 2000
9:26.72	VIVIANE MOTTI	BRA 2000	1:15.95	ALLISON WAGNER	USA 2005	*****		
9:28.85	KAREN CLIFTON	GBR 1996	1:16.05	S.SEMINATORE	ITA 1990	*****		
9:29.04	LISA A JOHNS	USA 1991	200 M. BRST			*****		
9:29.23	S. PALMER WHITE	AUS 1994	2:35.46	HITOMI MATSUDA	JPN 2006	*****		
1500 M. FREE			2:38.22	KATJA BRASCHOSS	GER 2006	*****		
16:39.77	RACHEL KOMISARZ	USA 2001	2:42.02	SHARRON DAVIES	GBR 1990	50 M. FREE		
17:27.96	SHEILA TAORMINA	USA 1995	2:43.89	CRISTINA TEUSCHER	GBR 2004	25.99	TONI JEFFS	NZL 2002
17:38.09	S. PALMER-WHITE	AUS 1991	2:44.36	SUKI BROWNSDON	GBR 1991	26.18	KATRINA RADKE	USA 2004
17:38.78	AMY POPE	USA 1988	2:44.80	BARBARA ARRIGO	ITA 2004	26.25	ANGEL MARTINO	USA 2000
17:41.64	LINDA GALLO	USA 2004	2:44.88	WIEBKE CONRAD	GER 2006	26.37	S.NEILSON-BELL	USA 1988
17:50.23	AMY LEPPING	USA 1987	2:45.04	REBECCA BRUCH	USA 2000	26.38	PEGGY GROSS	USA 2002
17:54.78	HITOMI MATSUDA	JPN 2005	2:45.09	PIA THULSTRUP	DEN 1990	26.59	PASCALIE VERBAUWEN	BEL 1993
17:55.84	EVA MORTENSEN	GBR 1996	2:45.70	CHARLOTTE MUSTARD	GBR 1996	26.75	TRACIE MOLL	USA 1998
18:01.57	DONNA JOHNSON	USA 1996	50 M. FLY			26.95	NADINE ROLLAND	CAN 2005
						27.00	BARBARA COLORIO	ITA 2006



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

27.14	JANET MAYVILLE	CAN	2005	1:05.42	DIANE GALLAS	USA	1996	1:04.08	LAURA BIANZANI	ITA	2004
100 M.	FREE			1:05.54	K.PIPES-NEILSEN	USA	1996	1:04.43	K.PIPES-NEILSEN	USA	1996
57.09	ANGEL MARTINO	USA	2000	1:07.13	M.RIVERA	VEN	2004	1:04.51	NADINE ROLLAND	CAN	2005
58.01	PASCALE VERBAUWEN	BEL	1993	1:07.34	PASCALE VERBAUWEN	BEL	1996	1:04.80	PASCALE VERBAUWEN	BEL	1996
58.09	S.NEILSON-BELL	USA	1988	1:07.63	JOANNA CORBEN	GBR	2002	1:05.33	EVGUENIA OJOGUINA	RUS	1999
58.38	TRACIE MOLL	USA	1998	1:07.97	MARTIE MC KINNEY	USA	1995	1:05.36	FLORENCE CIOTTI	ITA	2006
58.95	KARIN SEICK	GER	1994	1:08.01	NAHOMI SHIRATA	JPN	2006	1:05.44	SANDIE EASTON	USA	2002
59.02	K.PIPES-NEILSEN	USA	1996	1:08.24	JOANNA SWATTON	GBR	2000	1:05.58	LISE MACKIE	AUS	2006
59.34	BETH KNIGHT	USA	1989	1:08.29	C.J-SPONSELLER	USA	2006	200 M.	FLY		
59.56	TAMARA VAN GORKOM	NED	2005	1:08.46	GITTE RAAGAARD	DEN	2004	2:13.60	METTE JACOBSEN	DEN	2006
59.62	JANET MAYVILLE	CAN	2005	200 M.	BACK			2:20.07	EVGUENIA OJOGUINA	RUS	1999
59.62	NADINE DAY	USA	2003	2:17.73	K.PIPES-NEILSEN	USA	1996	2:20.12	K PIPES-NEILSEN	USA	1996
200 M.	FREE			2:21.26	DIANE GALLAS	USA	1996	2:21.46	LAURA BIANZANI	ITA	2004
2:06.80	K.PIPES-NEILSEN	USA	1996	2:22.52	JOANNA CORBEN	GBR	2002	2:22.57	HIDEKA KOSHIMIZU	JPN	1995
2:07.84	BETH KNIGHT	USA	1989	2:23.47	DAPHNE FUCHS	GER	1993	2:23.26	MARTIE MC KINNEY	USA	1995
2:08.26	ANGEL MARTINO	USA	2000	2:24.09	JO SWATTON	GBR	2001	2:23.35	MELISSA VARLAS	USA	2005
2:09.12	LYNN MARSHALL	CAN	1992	2:25.67	GITTE RAAGAARD	DEN	2004	2:24.34	SANDIE EASTON	USA	2002
2:09.14	NADINE DAY	USA	2004	2:26.99	ZENA HERRMANN	USA	1992	2:25.18	NADINE DAY	USA	2004
2:09.68	TRACIE MOLL	USA	1998	2:28.77	SANDIE EASTON	USA	2002	2:26.15	NICOLA LATTY	GBR	2004
2:09.93	KARIN SEICK	GER	1994	2:28.86	KATHERINE VEALE	GBR	2000	200 M.	I.M.		
2:10.06	SANDRA NEILSON	USA	1986	2:29.22	JUDITH LALLIER	USA	1993	2:23.12	K.PIPES-NEILSEN	USA	1996
2:10.18	KIRSTEN CAMERON	NZL	2006	50 M.	BRST			2:24.12	NADINE DAY	USA	2004
2:10.27	SANDIE EASTON	USA	2002	33.84	WENKE HANSEN	USA	1999	2:25.90	WENKE HANSEN	USA	2000
400 M.	FREE			34.46	S.HORNER-SCHUCK	GER	1995	2:26.17	YVETTA HLAVACOVA	CZE	2005
4:28.76	K PIPES-NEILSEN	USA	1996	34.56	JANA HEIDEMANN	GER	2002	2:26.41	HIDEKA KOSHIMIZU	JPN	1995
4:30.12	KIRSTEN CAMERON	NZL	2006	34.70	KAREN JACKSON	GBR	2004	2:27.01	HIDEKO HIRANAKA	JPN	2003
4:30.38	BETH L KNIGHT	USA	1991	34.73	DAGMAR HILBIG	FRG	1989	2:28.27	SARAH GARRETT	GBR	1996
4:31.93	SUSAN PORTER	USA	1994	34.74	SIOBHAN HARTLEY	GBR	2000	2:28.63	JUDITH LALLIER	USA	1993
4:32.52	LISA HAZEN	USA	1995	34.93	S.SEMINATORE	ITA	1995	2:29.17	SUSAN PORTER	USA	1993
4:33.08	S.PAMELIA	USA	1986	35.04	LOUISE MARTIN	USA	1999	2:29.22	S.NEILSON-BELL	USA	1988
4:33.22	LYNN MARSHALL	CAN	1992	35.07	ANNETT REX	GER	2000	400 M.	I.M.		
4:34.04	MARY ROEBUCK	USA	1994	35.12	NADINE DAY	USA	2003	5:03.97	K.PIPES-NEILSEN	USA	1996
4:35.06	K.PARKER-MEDLIN	USA	1992	100 M.	BRST			5:05.05	HIDEKA KOSHIMIZU	JPN	1995
4:35.81	KAREN BURTON	USA	1996	1:14.53	WENKE HANSEN	USA	1999	5:09.93	NADINE DAY	USA	2004
800 M.	FREE			1:15.45	NADINE DAY	USA	2004	5:11.39	KAREN BURTON	USA	1992
9:14.82	KIRSTEN CAMERON	NZL	2006	1:15.62	KAREN JACKSON	GBR	2004	5:13.97	SUSAN PORTER	USA	1994
9:16.82	LYNN MARSHALL	CAN	1992	1:16.21	S.HORNER-SCHUCK	GER	1995	5:15.13	SANDIE EASTON	USA	2002
9:17.54	YVETTA HLAVACOVA	CZE	2005	1:16.26	M.HOHMANN	GBR	1987	5:17.33	LAUREEN WELTING	USA	1999
9:19.96	SUSAN PORTER	USA	1994	1:16.58	DAGMAR HILBIG	FRG	1989	5:17.34	KATHERINE VEALE	GBR	2000
9:20.20	BETH L KNIGHT	USA	1991	1:16.58	ANNETT REX	GER	2002	5:17.90	MIEKE SMET	BEL	2004
9:22.73	KAREN BURTON	USA	1996	1:17.04	LOUISE MARTIN	USA	1999	5:20.03	DAPHNE FUCHS	GER	1993
9:24.66	KARLYN PIPES	USA	1995	1:17.12	A.PAULA GONCALVES	BRA	1997	*****			
9:24.87	MARY ROEBUCK	USA	1994	1:17.43	CAROLINE MATHIAS	FRA	2006	*****			
9:25.74	CRISTINA SOSSI	ITA	2004	200 M.	BRST			*****			
9:26.26	K.PARKER-MEDLIN	USA	1992	2:41.51	WENKE HANSEN	USA	1999	*****			
1500 M.	FREE			2:45.80	KAREN JACKSON	GBR	2004	*****			
17:38.70	KAREN BURTON	USA	1996	2:46.81	HIDEKA KOSHIMIZU	JPN	1995	50 M.	FREE		
17:47.22	KIRSTEN CAMERON	NZL	2006	2:47.73	CAROLINE MATHIAS	FRA	2006	25.98	DARA TORRES	USA	2006
17:48.44	K.PIPES-NEILSEN	USA	1996	2:48.03	NADINE DAY	USA	2003	26.53	EDITH OTTERMANN	RSA	2004
17:48.60	LISA HAZEN	USA	1996	2:48.41	DAGMAR HILBIG	FRG	1989	26.66	TRACIE MOLL	USA	1999
17:55.58	BETH L KNIGHT	USA	1991	2:48.75	LOUISE MARTIN	USA	1999	26.68	S.NEILSON-BELL	USA	1996
18:02.01	AMY POPE	USA	1991	2:49.71	BRITT STOTT	RSA	2004	26.85	PEGGY GROSS	USA	2004
18:04.42	S.PAMELIA	USA	1986	2:50.51	SUE FAWN	GBR	2003	27.09	SHERI HART	USA	2006
18:11.40	LYNN MARSHALL	CAN	1994	2:50.58	ANNA JENSEN	SWE	2005	27.09	M DRUECKHAMMER	USA	2002
18:12.67	MARY ROEBUCK	USA	1994	50 M.	FLY			27.14	MELINDA MAROSI	HUN	2005
18:14.37	ALISON ZAMANIAN	USA	2004	27.59	ANGEL MARTINO	USA	2000	27.16	BETH KNIGHT	USA	1994
50 M.	BACK			28.49	NADINE ROLLAND	CAN	2005	27.37	YUKIKO OZAWA	JPN	2003
30.82	NAHOMI SHIRATA	JPN	2006	28.77	TRACIE MOLL	USA	1998	100 M.	FREE		
30.94	DIANE GALLAS	USA	1996	28.82	JUNKO ONISHI	JPN	2006	58.87	S.NEILSON-BELL	USA	1995
31.03	KIKKI MYHRBRO	NED	1994	29.17	PASCALE VERBAUWEN	BEL	1996	58.94	BETH KNIGHT	USA	1994
31.24	PASCALE VERBAUWEN	BEL	1996	29.19	LAURA BIANZANI	ITA	2004	59.16	SHERI HART	USA	2006
31.47	KARLYN PIPES	USA	1994	29.22	BETH HARRELL	USA	1992	59.20	TRACIE MOLL	USA	1999
31.64	GITTE RAAGAARD	DEN	2004	29.28	K PIPES-NEILSEN	USA	1996	59.21	K.PIPES-NEILSEN	USA	1997
31.69	ANGEL MARTINO	USA	1999	29.32	YUKI INOUE	JPN	2003	59.29	M DRUECKHAMMER	USA	2002
31.72	HELEN JAMESON	GBR	1995	29.37	NADINE DAY	USA	2004	59.47	MELINDA MAROSI	HUN	2005
31.76	M.RIVERA	VEN	2004	100 M.	FLY			59.48	PEGGY GROSS	USA	2004
31.79	CHIE UDA	JPN	2004	1:00.03	ANGEL MARTINO	USA	2000	59.53	SHEILA TAORMINA	USA	2006
100 M.	BACK			1:03.93	TRACIE MOLL	USA	1998	59.71	KARIN SEICK	GER	1996
								200 M.	FREE		



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

2:06.62	K PIPES-NEILSEN	USA	1998	2:23.47	JOANNA CORBEN	GBR	2005	2:26.38	LAURA B VAL	USA	1989
2:07.64	SHEILA TAORMINA	USA	2006	2:24.52	PASCALE VERBAUWEN	BEL	1998	2:27.36	ANA PAULA GRILO	POR	2006
2:08.71	TRACIE MOLL	USA	1999	2:26.32	TERRY RADAM	USA	2000	2:27.55	DEBBIE YOUNGER	CAN	2005
2:08.93	BETH KNIGHT	USA	1994	2:26.44	SILVIA PAROCCHI	ITA	2003	2:27.70	EVGENIYA OZHOGINA	RUS	2004
2:09.33	SUSAN HALFACRE	USA	1988	2:26.66	ZENA HERRMANN	USA	1994	2:28.02	NICOLA LATTY	GBR	2006
2:10.14	LAUREEN WELTING	USA	2001	2:28.37	JUDITH LALLIER	USA	1995	2:29.00	BETH BAKER	USA	2000
2:10.28	JILL HERNANDEZ	USA	1999	2:28.43	JODY SMITH	USA	2006	2:29.03	JUNE FORD	USA	1997
2:10.77	ANA PAULA GRILO	POR	2006	2:28.93	K.WULFF-HOPPE	GER	2003	2:29.08	KATHERINE VEALE	GBR	2001
2:11.08	VALERIA VERGANI	ITA	2006	50 M. BRST				200 M. I.M.			
2:11.43	JUDITH LALLIER	USA	1994	33.64	SYLVIA GERASCH	GER	2004	2:22.42	K.PIPES-NEILSEN	USA	1997
400 M. FREE				33.91	CAROLINE KRATTLI	USA	2001	2:28.07	CAROLINE KRATTLI	USA	2001
4:26.17	K.PIPES-NEILSEN	USA	1997	34.41	L.WETZEL-OSBORNE	USA	1989	2:28.83	SILVIA PAROCCHI	ITA	2004
4:31.35	BETH KNIGHT	USA	1994	34.70	S.SEMINATORE	ITA	2003	2:28.93	JUDITH LALLIER	USA	1994
4:32.57	SHEILA TAORMINA	USA	2006	34.87	DAGMAR HILBIG	GER	1993	2:28.97	KATHERINE VEALE	GBR	2001
4:33.08	SUSAN HALFACRE	USA	1988	34.88	P.BRULHART N'DULA	SUI	2003	2:29.17	KARIN SEICK	GER	1996
4:34.20	SUSAN PAMELIA	USA	1987	34.92	ANNETT REX	GER	2005	2:29.18	NADINE DAY	USA	2006
4:35.19	VALERIA VERGANI	ITA	2006	35.13	STEFANIA MONTI	ITA	2004	2:29.30	JILL HERNANDEZ	USA	1999
4:35.74	ANA PAULA GRILO	POR	2006	35.61	K PIPES-NEILSEN	USA	1999	2:30.00	DEBBIE YOUNGER	CAN	2005
4:37.09	LAUREEN WELTING	USA	2001	35.67	KIM MACKLIN	USA	2004	2:31.13	JENNIFER RIDGE	USA	2006
4:37.34	JILL HERNANDEZ	USA	1999	100 M. BRST				400 M. I.M.			
4:38.39	C PETERSEN	USA	2000	1:13.81	CAROLINE KRATTLI	USA	2001	5:02.67	K PIPES-NEILSEN	USA	1998
800 M. FREE				1:15.11	S VON DER LIPPE	USA	2004	5:15.05	LAUREEN WELTING	USA	2001
9:13.49	SHEILA TAORMINA	USA	2006	1:15.36	SYLVIA GERASCH	GER	2004	5:18.43	JILL HERNANDEZ	USA	1999
9:16.20	K.PIPES-NEILSEN	USA	1997	1:17.34	ANNETT REX	GER	2004	5:19.77	KATHERINE VEALE	GBR	2001
9:20.62	BETH KNIGHT	USA	1994	1:17.44	L.WETZEL-OSBORNE	USA	1990	5:20.25	NADINE DAY	USA	2006
9:24.54	SUSAN HALFACRE	USA	1988	1:17.84	PATRICIA BRULHART	SUI	2005	5:22.15	K.WULFF-HOPPE	GER	2003
9:25.54	PENNY BOND	AUS	1998	1:18.00	DAGMAR HILBIG	GER	1993	5:22.50	ANA PAULA GRILO	POR	2006
9:27.70	VALERIA VERGANI	ITA	2006	1:18.08	NADINE DAY	USA	2006	5:24.81	JUNE FORD	USA	1997
9:29.55	JILL HERNANDEZ	USA	1999	1:18.76	MO CHARLES	FRA	1998	5:24.93	LYNN MARSHALL	CAN	1996
9:30.91	ANA PAULA GRILO	POR	2006	1:18.85	DAGMAR FRESE	GER	1993	5:25.33	JOANNA CORBEN	GBR	2005
9:31.44	LYNN MARSHALL	CAN	1996	200 M. BRST							
9:35.04	JUNE FORD	USA	1997	2:41.76	CAROLINE KRATTLI	USA	2001	*****			
1500 M. FREE				2:47.19	SYLVIA GERASCH	GER	2004	*****	WOMEN 40-44		
17:46.58	K PIPES-NEILSEN	USA	2000	2:47.95	ANNETT REX	GER	2004	*****			
17:59.12	BETH KNIGHT	USA	1994	2:49.48	MARZENA KULIS	ITA	2002	50 M. FREE			
18:07.43	LYNN MARSHALL	CAN	1996	2:49.61	R.PESCATORI	USA	2006	26.88	EDITH OTTERMANN	RSA	2006
18:09.36	LISA HAZEN	USA	1999	2:50.66	DAGMAR HILBIG	GER	1996	26.88	MARIA DOELGER	USA	2003
18:12.11	SUSAN PAMELIA	USA	1987	2:52.25	K.PIPES-NEILSEN	USA	1997	26.97	ELIZABETH EMERY	USA	2002
18:17.10	VALERIA VERGANI	ITA	2006	2:52.40	DEA ANN JOSLIN	USA	1994	27.28	ANN WORTHINGTON	USA	2006
18:25.65	N.MUIR-COCHRANE	GBR	2000	2:52.87	H.MORRIS-BYTON	RSA	2005	27.39	S.NEILSON-BELL	USA	1996
18:29.14	PENNY BOND	AUS	1997	2:53.05	NADINE DAY	USA	2006	27.56	BARBARA GELLRICH	GER	2003
18:32.61	SUZANNE HEIM	USA	1995	50 M. FLY				27.62	K PIPES-NEILSEN	USA	2003
18:36.62	JILL GELLATLY	USA	2002	28.32	TRACIE MOLL	USA	1999	27.77	S.VON DER LIPPE	USA	2006
50 M. BACK				28.73	PASCALE VERBAUWEN	BEL	2001	27.85	DANIELA DE PONTI	ITA	2006
30.40	SHERI HART	USA	2006	29.27	SUSAN HALFACRE	USA	1988	27.90	BETH BAKER	USA	2001
31.27	PASCALE VERBAUWEN	BEL	2001	29.27	M DRUECKHAMMER	USA	2002	100 M. FREE			
31.31	K PIPES-NEILSEN	USA	1999	29.29	SILVIA PAROCCHI	ITA	2004	58.43	MARIA DOELGER	USA	2003
31.58	MARIANNE KRIEL	RSA	2006	29.38	DEBBIE YOUNGER	CAN	2005	59.13	ELIZABETH EMERY	USA	2002
31.79	JODY SMITH	USA	2006	29.42	EDITH OTTERMANN	RSA	2004	59.59	K PIPES-NEILSEN	USA	2004
32.07	CSILLA CSIKANY	HUN	2006	29.46	PEGGY GROSS	USA	2004	1:00.39	BEVERLEY MCCARNEY	RSA	2004
32.12	MONICA SORO	ITA	2005	29.56	ILARIA TOCCHINI	ITA	2004	1:00.63	S.NEILSON-BELL	USA	1996
32.26	ANDREA LUALLEN	USA	2001	29.57	S VON DER LIPPE	USA	2004	1:01.06	LAUREEN WELTING	USA	2006
32.34	H.WILLEBOORDSE	USA	2005	29.57	K PIPES-NEILSEN	USA	1999	1:01.09	ANN WORTHINGTON	USA	2006
32.34	JOANNA CORBEN	GBR	2005	100 M. FLY				1:01.09	S.REIBEL-OBERLE	GER	2004
100 M. BACK				1:03.79	TRACIE MOLL	USA	1999	1:01.17	SARAH MACDONALD	CAN	2004
1:05.41	K.PIPES-NEILSEN	USA	1997	1:04.34	K PIPES-NEILSEN	USA	1998	1:01.33	SUSAN WALSH	USA	2006
1:06.04	SHERI HART	USA	2006	1:04.91	DEBBIE YOUNGER	CAN	2005	200 M. FREE			
1:07.79	JOANNA CORBEN	GBR	2005	1:05.02	PEGGY GROSS	USA	2004	2:09.00	K PIPES-NEILSEN	USA	2003
1:08.11	MARIANNE KRIEL	RSA	2006	1:05.39	SUSAN HALFACRE	USA	1988	2:10.74	S.VON DER LIPPE	USA	2006
1:08.45	SILVIA PAROCCHI	ITA	2003	1:05.87	PASCALE VERBAUWEN	BEL	1998	2:10.94	K.PIPES-NEILSEN	USA	2006
1:08.49	ZENA HERRMANN	USA	1994	1:05.90	SILVIA PAROCCHI	ITA	2005	2:12.75	SUSANNE SIMPSON	USA	2002
1:08.98	JUDITH LALLIER	USA	1995	1:05.92	BETH BAKER	USA	2000	2:13.10	JILL HERNANDEZ	USA	2000
1:09.10	ANDREA LUALLEN	USA	2001	1:06.19	LAURA B VAL	USA	1989	2:13.38	C PETERSEN	USA	2004
1:09.32	JODY SMITH	USA	2006	1:06.63	SUSAN PAMELIA	USA	1987	2:13.55	SUSAN DOMBKOWSKI	USA	2006
1:09.37	PASCALE VERBAUWEN	BEL	1998	1:06.63	KATHERINE VEALE	GBR	2002	2:13.91	PENNY PALFREY	AUS	2002
200 M. BACK				200 M. FLY				2:14.14	S HEIM-BOWEN	USA	1999
2:18.20	K.PIPES-NEILSEN	USA	1997	2:20.21	K.PIPES-NEILSEN	USA	1997	2:14.19	S.REIBEL-OBERLE	GER	2004
2:22.92	SHERI HART	USA	2006	2:26.36	SHEILA TAORMINA	USA	2006	400 M. FREE			





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

9:47.56	ELENE KAY JONES	ITA	2005	1:22.27	SUSAN ROY	USA	1994	5:42.22	KAREN EINSIDLER	USA	2003	
9:48.77	SUSANNE SIMPSON	USA	2005	1:22.46	SARAH MACDONALD	CAN	2006	5:44.03	LYNN DE GEORGE	USA	2006	
9:51.67	MARGEE CURRAN	USA	2006	1:22.63	DAGMAR FRESE	GER	2001	5:45.61	LESLEY WILDE	GBR	2004	
9:55.42	LYNN MARSHALL	CAN	2006	1:22.80	JAN FOWLER	AUS	2003	5:45.85	DANIELLE OGIER	USA	1997	
10:01.17	LYNN DE GEORGE	USA	2006	1:22.85	COLETTE CRABBE	USA	2002	5:46.21	LAURA VAL	USA	2000	
10:01.39	ROBIN KLESTINEC	USA	2006	1:22.88	AMANDA HEATH	GBR	2004					
10:02.69	KAREN EINSIDLER	USA	2003	1:23.14	JAN CLARKSON	AUS	2006					
10:03.18	DENISE BROWN	USA	2004		200 M. BRST							
10:08.23	LAURA VAL	USA	1998	2:55.96	JENNY WHITELEY	AUS	2003					
	1500 M. FREE			2:57.24	COLETTE CRABBE	USA	2001					
17:55.83	SUZANN HEIM-BOWEN	USA	2003	2:57.38	ULRIKE URBANIAK	GER	1998	28.22	LAURA VAL	USA	2001	
18:31.35	LYNN MARSHALL	CAN	2006	2:58.57	AMANDA HEATH	GBR	2004	28.41	ANGELA ZINGLER	GER	2005	
18:36.80	ELENE KAY JONES	ITA	2006	2:59.35	JAN FOWLER	AUS	2003	28.46	JACKI HIRSTY	USA	2003	
19:13.05	C.TARANTINO	ITA	2004	3:00.55	KIM CROUCH	USA	2006	28.77	J SWAGERTY-HILL	USA	2002	
19:15.90	KAREN EINSIDLER	USA	2002	3:01.41	MELINDA MANN	USA	2001	28.99	BERGER TALOCHINO	FRA	2006	
19:25.40	DENISE BROWN	USA	2005	3:01.69	DEB WALKER	USA	1997	29.33	ARDETH MUELLER	USA	1993	
19:26.97	LAURA VAL	USA	1998	3:02.19	KATE SORENSEN	DEN	2006	29.39	JOEL FELDMANN	USA	2002	
19:28.34	BARBARA DUNBAR	USA	1994	3:02.74	JAYNE O'BRIEN	GBR	2005	29.40	HEATHER CAMPBELL	NZL	2006	
19:33.19	JENNY WHITELEY	AUS	2004		50 M. FLY			29.42	L.CRITTENDEN	USA	2006	
19:40.79	MARGUERITE MEYER	USA	2005	30.30	ANGELA ZINGLER	GER	2001	29.49	ROBIN PARISI	USA	2004	
	50 M. BACK			30.40	ROBIN PARISI	USA	2002		100 M. FREE			
	32.65	VERA CAPKOVA	BEL	2006	30.48	SHANE GOULD	AUS	2004	1:01.13	LAURA VAL	USA	2001
	32.93	LAURA VAL	USA	1997	30.55	LISA DAHL	USA	2006	1:03.58	JACKI HIRSTY	USA	2003
	33.18	KARIN SEICK	GER	2006	30.68	KARIN SEICK	GER	2006	1:04.23	HEATHER CAMPBELL	NZL	2006
	33.34	K.ANDRUS-HUGHES	USA	2006	30.73	JILL HERNANDEZ	USA	2005	1:05.02	ANGELA ZINGLER	GER	2004
	33.40	CATHY SHEEHAN	CAN	2005	30.74	ARDETH MUELLER	USA	1987	1:05.14	LYNN MORRISON	USA	2006
	33.43	PENNY NOYES	USA	2000	30.77	MARGARET LANGDON	AUS	2005	1:05.18	ROBIN PARISI	USA	2004
	33.95	SARAH BANKO	USA	2004	30.78	LAURA VAL	USA	1998	1:05.21	BERGER TALOCHINO	FRA	2006
	34.08	UTE ROMBERG	GER	2006	30.80	TRACI GRANGER	USA	2005	1:06.02	SUSAN HALFACRE	USA	2002
	34.11	SARAH MACDONALD	CAN	2005		100 M. FLY			1:06.39	MARY LIPPOLD	USA	2006
	34.21	LISA DAHL	USA	2006	1:07.30	JILL HERNANDEZ	USA	2005	1:06.40	L.CRITTENDEN	USA	2006
	100 M. BACK			1:08.02	LAURA VAL	USA	1998		200 M. FREE			
1:11.18	VERA CAPKOVA	BEL	2006	1:08.56	SUSANNE SIMPSON	USA	2005	2:15.37	LAURA VAL	USA	2001	
1:12.69	LESLEY WILDE	GBR	2004	1:08.77	ANDREA BLOCK	USA	2006	2:22.18	JACKI HIRSTY	USA	2003	
1:12.70	LAURA VAL	USA	1997	1:08.95	SHANE GOULD	JPN	2005	2:22.85	DANIELLE OGIER	USA	2002	
1:13.25	CATHY SHEEHAN	CAN	2005	1:08.96	JUDY HATTLE	GBR	2005	2:24.37	KAREN EINSIDLER	USA	2006	
1:13.67	PATTY LANDERS	USA	2001	1:09.53	CECILIA STANFORD	RSA	2006	2:24.66	CHARLENE O'BRIEN	USA	2006	
1:13.88	K ANDRUS-HUGHES	USA	2003	1:09.85	TRACI GRANGER	USA	2005	2:25.06	BARBARA DUNBAR	USA	2000	
1:14.14	UTE ROMBERG	GER	2006	1:09.95	REBECCA PERROTT	NZL	2006	2:25.94	HEATHER CAMPBELL	NZL	2006	
1:14.21	LYNN DE GEORGE	USA	2006	1:10.24	SUZANN HEIM-BOWEN	USA	2003	2:26.14	MARY LIPPOLD	USA	2006	
1:14.22	ANN KOURI	CAN	2006		200 M. FLY			2:26.27	SUSAN HALFACRE	USA	2002	
1:14.70	SUSIE ATWOOD	USA	1998	2:31.37	LAURA VAL	USA	1998	2:26.48	C.TARANTINO	ITA	2005	
	200 M. BACK			2:32.07	SUSANNE SIMPSON	USA	2006		400 M. FREE			
2:36.03	LESLEY WILDE	GBR	2004	2:33.37	LYNN MARSHALL	CAN	2006	4:47.93	LAURA VAL	USA	2002	
2:38.04	PATTY LANDERS	USA	2001	2:34.05	ANDREA BLOCK	USA	2006	4:59.43	JACKI HIRSTY	USA	2003	
2:39.01	C.TARANTINO	ITA	2003	2:35.38	ROBIN KLESTINEC	USA	2006	5:00.65	CELESTE MILLER	USA	2000	
2:39.53	NAOKO SHIDE	JPN	2006	2:37.84	COLETTE CRABBE	USA	2005	5:02.92	C.TARANTINO	ITA	2005	
2:39.67	LYNN DE GEORGE	USA	2006	2:38.75	JENNY WHITELEY	AUS	2003	5:04.00	KAREN EINSIDLER	USA	2006	
2:40.68	ROBIN KLESTINEC	USA	2006	2:38.78	BARBARA DUNBAR	USA	1994	5:04.54	DANIELLE OGIER	USA	2002	
2:40.75	KAREN EINSIDLER	USA	2001	2:40.06	JUDY HATTLE	GBR	2005	5:04.59	CHARLENE O'BRIEN	USA	2006	
2:40.89	CATHY SHEEHAN	CAN	2005	2:40.34	S HEIM-BOWEN	USA	2004	5:05.16	SUSAN HALFACRE	USA	2002	
2:41.87	JENNIFER STILL	USA	2006		200 M. I.M.			5:07.97	BARBARA DUNBAR	USA	2002	
2:42.58	TERRI MAGINNIS	USA	2006	2:32.46	JILL HERNANDEZ	USA	2005	5:08.31	LAURA VACA	PUR	2003	
	50 M. BRST			2:35.64	CECILIA STANFORD	RSA	2006		800 M. FREE			
	34.74	MAGGIE KELLY	GBR	2001	2:35.74	COLETTE CRABBE	USA	2003	9:52.55	LAURA VAL	USA	2002
	35.99	JENNY WHITELEY	AUS	2003	2:36.54	REBECCA PERROTT	NZL	2006	10:14.15	C.TARANTINO	ITA	2005
	36.67	JUDY WOODWARD	CAN	2003	2:38.13	SHANE GOULD	AUS	2003	10:17.70	CELESTE MILLER	USA	2000
	36.97	SUSAN ROY	USA	1994	2:39.67	KAREN EINSIDLER	USA	2003	10:21.14	JACKI HIRSTY	USA	2003
	37.35	MELINDA MANN	USA	2001	2:40.09	LYNN DE GEORGE	USA	2006	10:22.42	LAURA VACA	MEX	2004
	37.41	JAN FOWLER	AUS	2003	2:40.09	LESLEY WILDE	GBR	2004	10:23.66	BARBARA DUNBAR	USA	2002
	37.46	VERITY DOBBIE	GBR	2004	2:40.35	JENNY WHITELEY	AUS	2003	10:27.62	CHARLENE O'BRIEN	USA	2006
	37.52	SARAH MACDONALD	CAN	2006	2:40.54	LYNN MARSHALL	CAN	2006	10:35.50	KAREN EINSIDLER	USA	2006
	37.52	DAGMAR FRESE	GER	2001		400 M. I.M.			10:36.52	DIANNE FOSTER	CAN	1998
	37.55	BRIGITTE HEUER	USA	2006	5:27.67	JILL HERNANDEZ	USA	2005	10:39.61	DANIELLE OGIER	USA	2002
	100 M. BRST			5:33.29	REBECCA PERROTT	NZL	2006		1500 M. FREE			
1:18.19	MAGGIE KELLY	GBR	2001	5:36.38	LYNN MARSHALL	CAN	2006	19:08.69	LAURA VAL	USA	2001	
1:19.49	JENNY WHITELEY	AUS	2003	5:37.68	COLETTE CRABBE	USA	2002	19:39.40	C.TARANTINO	ITA	2005	
1:21.72	MELINDA MANN	USA	2002	5:42.02	CECILIA STANFORD	RSA	2006	19:40.24	BARBARA DUNBAR	USA	2002	



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

20:11.89	CHARLENE O'BRIEN	USA	2006	3:04.47	AVILA RHODES	CAN	2006	29.87	CHERYL GOMMERS	AUS	2003
20:30.54	CELESTE MILLER	USA	2000	3:06.11	FRANCES PENWARDEN	GBR	2005	30.03	CONNY BOER-BUIJS	NED	2005
20:32.63	K LANGTHORNE	AUS	1999	3:08.23	IRINA SHANGINA	RUS	2006	30.33	JUDY WILSON	GBR	2000
20:33.27	KATHI LINDSTROM	USA	2003	3:08.69	LO KNAPP	USA	2006	30.43	COLNY TUCKER	USA	2006
20:36.57	N.STEADMAN-MARTIN	USA	2005	3:08.74	CHRISTIANE HEEREN	GER	1999	30.56	CHARLOTTE DAVIS	USA	2006
20:43.17	SUSAN HALFACRE	USA	2002	3:09.09	SUSAN JONES-ROY	USA	2000	30.74	YOSHIKO KADOSAKA	JPN	2004
20:43.97	TERRY GAULT	USA	2000	3:10.20	DEB WALKER	USA	2003	30.83	ARDETH MUELLER	USA	1997
50 M. BACK				50 M. FLY				30.85	ROSARIO VIVANCO	PER	2004
32.87	J SWAGERTY-HILL	USA	2002	30.24	ANGELA ZINGLER	GER	2004	30.86	SANDERINA KRUGER	RSA	2004
33.67	KAREN HUMPHREYS	USA	2005	30.72	LAURA VAL	USA	2001	100 M. FREE			
33.67	LAURA VAL	USA	2002	31.50	MELINDA MANN	USA	2006	1:02.63	LAURA VAL	USA	2006
34.36	ANGELA ZINGLER	GER	2004	31.59	JOEL FELDMANN	USA	2002	1:06.80	CONNY BOER-BUIJS	NED	2005
34.87	SATOKU TAKEUJI	JPN	1992	31.69	ARDETH MUELLER	USA	1993	1:07.15	CHARLOTTE DAVIS	USA	2006
34.99	PATY LANDERS	USA	2006	31.86	SACHIKO SAITO	JPN	2006	1:08.08	SANDERINA KRUGER	RSA	2004
35.07	JOEL FELDMANN	USA	2002	32.06	HEATHER CAMPBELL	NZL	2006	1:08.71	ROSARIO VIVANCO	PER	2006
35.10	BENEDICTE DUPREZ	FRA	2001	32.24	CONNY BOER-BUYS	NED	2000	1:08.90	COLNY TUCKER	USA	2006
35.15	STEPHANIE ROLLINS	USA	2005	32.47	HEATHER CAMPBELL	RSA	2006	1:09.00	JUDY WILSON	GBR	2000
35.39	S.RAMOGER RIGAUD	FRA	2006	32.52	GUNILLA LEINSKOLD	SWE	2005	1:09.13	SUSAN HODGE	GBR	2003
35.39	EVIE LYNCH	USA	2005	100 M. FLY				1:09.15	BRIGITTE MERTEN	GER	2001
100 M. BACK				1:07.81	LAURA VAL	USA	2001	1:09.45	BARBARA DUNBAR	USA	2004
1:14.19	KAREN HUMPHREYS	USA	2005	1:11.08	MELINDA MANN	USA	2006	200 M. FREE			
1:14.44	J SWAGERTY-HILL	USA	2002	1:11.61	ANGELA ZINGLER	GER	2006	2:18.04	LAURA VAL	USA	2006
1:14.63	LAURA VAL	USA	2001	1:12.24	ROBIN PARISI	USA	2004	2:28.56	BARBARA DUNBAR	USA	2004
1:15.98	PATY LANDERS	USA	2006	1:12.94	CHARLENE O'BRIEN	USA	2006	2:31.34	ROSARIO VIVANCO	PER	2004
1:16.59	EVIE LYNCH	USA	2005	1:13.86	ARDETH MUELLER	USA	1993	2:32.90	SANDERINA KRUGER	RSA	2004
1:16.93	BARB GUNDRED	USA	2001	1:14.37	HEATHER CAMPBELL	RSA	2005	2:33.13	CONNY BOER-BUIJS	NED	2005
1:16.95	KAREN EINSIDLER	USA	2006	1:14.80	MARY LIPPOLD	USA	2006	2:33.18	F WILLIAMSON	USA	2004
1:17.23	C.TARANTINO	ITA	2005	1:14.99	CHRISTIE CIRAULO	USA	2005	2:34.31	ANNE LABORWIT	USA	2005
1:17.69	BENEDICTE DUPREZ	FRA	2001	1:15.18	SUSAN SKIFF	GER	2005	2:34.88	ARDETH MUELLER	USA	1997
1:18.30	DIANE COETZEE	RSA	2005	200 M. FLY				2:35.42	ANNE LA BORWIT	USA	2006
1:18.30	SUSAN HALFACRE	USA	2002	2:31.55	LAURA VAL	USA	2001	2:36.53	FRANCES HARE	USA	2005
200 M. BACK				2:44.93	BARBARA DUNBAR	USA	1999	400 M. FREE			
2:43.14	PATY LANDERS	USA	2006	2:49.53	ARDETH MUELLER	USA	1991	4:50.72	LAURA VAL	USA	2006
2:45.00	C.TARANTINO	ITA	2005	2:52.51	M.NEUMEISTER	GER	2004	5:08.91	BARBARA DUNBAR	USA	2004
2:46.81	LAURA VAL	USA	2002	2:52.99	LAURA VACA	MEX	2006	5:17.77	CELESTE MILLER	USA	2005
2:47.52	BARBARA GUNDRED	USA	2002	2:53.39	SUSAN SKIFF	GER	2005	5:22.65	ROSARIO VIVANCO	PER	2004
2:48.11	BENEDICTE DUPREZ	FRA	2001	2:55.20	N.STEADMAN-MARTIN	USA	2005	5:25.59	ARDETH MUELLER	USA	1997
2:48.34	KAREN HUMPHREYS	USA	2005	2:57.02	DEBBIE GLASSMAN	USA	2004	5:26.57	YOSHIKO OSAKI	JPN	1993
2:48.36	KAREN EINSIDLER	USA	2006	2:58.34	TERRY GAULT	USA	2000	5:27.30	JEN THOMASSON	AUS	1999
2:48.90	ANNE CORK	GBR	2001	2:58.47	ELAINE FINCHAM	USA	2005	5:27.95	ANNE LA BORWIT	USA	2006
2:49.19	EVIE LYNCH	USA	2006	200 M. I.M.				5:28.73	BARB GUNDRED	USA	2006
2:49.89	CLARE DAVIE	RSA	2006	2:41.31	LAURA VAL	USA	2002	5:29.54	CAROLYN ROCHE	USA	2006
50 M. BRST				2:44.30	ROBIN PARISI	USA	2004	800 M. FREE			
37.51	MELINDA MANN	USA	2006	2:45.11	DANIELLE OGIER	USA	2002	10:07.32	LAURA VAL	USA	2006
37.75	DAGMAR FRESE	GER	2006	2:45.74	HEATHER CAMPBELL	NZL	2006	10:41.10	BARBARA DUNBAR	USA	2004
37.93	PETRA SCHROER	GER	2004	2:46.69	LAURA VACA	MEX	2006	10:58.80	CELESTE MILLER	USA	2005
37.95	L.CRITTENDEN	USA	2006	2:48.50	LO KNAPP	USA	2006	11:12.25	CAROLYN ROCHE	USA	2006
38.04	JAN MACLEOD	AUS	1997	2:49.62	HEATHER CAMPBELL	RSA	2006	11:15.07	ARDETH MUELLER	USA	1997
38.47	DEB WALKER	USA	2005	2:49.88	ANNE CORK	GBR	2001	11:16.23	BARB GUNDRED	USA	2006
38.69	SUSAN JONES-ROY	USA	2000	2:50.10	Z.GRAET	PER	2002	11:19.59	MEREDITH MOORE	USA	2004
38.70	AVILA RHODES	CAN	2006	2:50.32	CELESTE MILLER	USA	2000	11:19.96	ROSARIO VIVANCO	PER	2004
38.73	REGULA STEIGER	SUI	2002	400 M. I.M.				11:20.47	FRANCES HARE	USA	2005
38.90	ULRIKE URBANIAK	GER	2004	5:42.80	LAURA VAL	USA	2002	11:24.42	TERRY SUE GAULT	USA	2006
100 M. BRST				5:49.58	DANIELLE OGIER	USA	2002	1500 M. FREE			
1:23.47	DAGMAR FRESE	GER	2006	5:53.85	LAURA VACA	MEX	2004	19:52.61	BARBARA DUNBAR	USA	2004
1:23.67	AVILA RHODES	CAN	2006	6:02.90	C.TARANTINO	ITA	2006	21:09.91	ARDETH MUELLER	USA	1997
1:24.36	MELINDA MANN	USA	2006	6:03.12	BARBARA DUNBAR	USA	1999	21:24.66	CELESTE MILLER	USA	2006
1:24.69	PETRA SCHROER	GER	2003	6:03.90	ROBIN PARISI	USA	2005	21:45.60	FRANCES HARE	USA	2005
1:25.35	ULRIKE URBANIAK	GER	2004	6:08.79	LO KNAPP	USA	2006	21:50.22	MEREDITH MOORE	USA	2004
1:26.33	JENNIFER MERRITT	GBR	2002	6:09.92	Z.GRAET	PER	2002	21:52.27	MARGARETA RAINER	SWE	2004
1:26.45	DOT MUNGER	USA	2001	6:12.08	ARDETH MUELLER	USA	1992	22:14.80	ANNE LABORWIT	USA	2005
1:26.60	L.CRITTENDEN	USA	2006	6:12.17	ELAINE FINCHAM	USA	2006	22:18.91	LAVELLE STOINOFF	USA	1988
1:26.60	SUSAN JONES-ROY	USA	2000	*****				22:29.67	JACKIE MARR	USA	2002
1:26.72	FRANCES PENWARDEN	GBR	2004	*****				22:39.06	SALLY DILLON	USA	2001
200 M. BRST				*****				50 M. BACK			
3:03.23	ULRIKE URBANIAK	GER	2004	*****				34.12	LAURA VAL	USA	2006
3:04.41	JENNIFER MERRITT	GBR	2002	50 M. FREE				35.13	BENEDICTE DUPREZ	FRA	2006
3:04.42	DAGMAR FRESE	GER	2006	29.39	LAURA VAL	USA	2006	35.55	B BARNETT-SALLEE	USA	2002



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

36.08	SATOKO TAKEUJI	JPN	1998	34.43	JOY WARD	USA	1999	1:12.09	BRIGITTE MERTEN	GER	2006
36.28	MICHIKO KIHARA	JPN	2003	34.45	DEBORAH BARTON	GBR	2006	1:12.82	LYNETTE STEVENSON	AUS	2006
36.44	PENNY STEELE	AUS	2004	34.57	JOEL FELDMANN	USA	2006	1:12.87	YOSHIKO OSAKI	JPN	2000
36.56	MARGIT OHLSSON	SWE	2002	34.63	BRIGITTE MERTEN	GER	2001	1:14.16	JACKIE MARR	USA	2003
36.77	MARGARET WILDING	GBR	1996	34.66	COLNY TUCKER	USA	2006	1:14.25	JANE ASHER	GBR	1991
36.97	DEBORAH BARTON	GBR	2006		100 M. FLY			1:14.37	JEN THOMASSON	AUS	2005
36.98	BROOKE LYNCH	USA	2004	1:12.13	LAURA VAL	USA	2006	1:14.69	JAYNE BRUNER	USA	1994
	100 M. BACK			1:13.71	JUDY WILSON	GBR	2000		200 M. FREE		
1:16.31	LAURA VAL	USA	2006	1:18.97	BARBARA DUNBAR	USA	2004	2:31.98	B.BARNETT-SALLEE	USA	2006
1:17.21	BENEDICTE DUPREZ	FRA	2006	1:19.28	BRIGITTE MERTEN	GER	2004	2:37.19	CAROLYN BOAK	USA	2006
1:17.51	B BARNETT-SALLEE	USA	2002	1:20.05	SUSANA BARKLEY	ESP	2000	2:38.99	CHRISTEL SCHULZ	GER	2002
1:19.65	SATOKO TAKEUJI	JPN	1997	1:20.26	MARIANNE PROE	GBR	2001	2:40.63	YOSHIKO OSAKI	JPN	1999
1:21.41	SILVANA ABREU	BRA	1996	1:21.91	ARDETH MUELLER	USA	1997	2:40.86	BRIGITTE MERTEN	GER	2006
1:21.42	BETSY T. JORDAN	USA	1992	1:21.98	TERRY SUE GAULT	USA	2006	2:41.27	JACKIE MARR	USA	2003
1:21.61	MARGIT OHLSSON	SWE	2002	1:22.74	BERNICE WILKINS	GBR	2002	2:41.92	JUDY WILSON	GBR	2004
1:22.30	BARB GUNDRED	USA	2006	1:22.96	CAROLYN ROCHE	USA	2006	2:42.40	CAROL FELLOWS	GBR	2006
1:22.74	BRIGITTE MERTEN	GER	2001		200 M. FLY			2:43.48	JEN THOMASSON	AUS	2003
1:22.76	MARIA BALLA	FRA	2001	2:53.74	BARBARA DUNBAR	USA	2004	2:43.83	LAVELLE STOINOFF	USA	1993
	200 M. BACK			2:58.89	JUDY WILSON	GBR	2002		400 M. FREE		
2:51.07	B BARNETT-SALLEE	USA	2002	3:00.95	SUSANA BARKLEY	ESP	2000	5:21.79	B.BARNETT-SALLEE	USA	2006
2:53.60	BENEDICTE DUPREZ	FRA	2006	3:06.20	CAROLYN ROCHE	USA	2006	5:39.72	JACKIE MARR	USA	2004
2:55.34	BARB GUNDRED	USA	2006	3:14.29	JULIE CRAYFORD	GBR	2004	5:45.68	JEN THOMASSON	AUS	2003
2:56.13	SATOKO TAKEUJI	JPN	1997	3:14.39	HANNELORE ROSE	GER	1998	5:46.79	YOSHIKO OSAKI	JPN	1998
2:57.34	MARGIT OHLSSON	SWE	2002	3:16.09	GINGER PIERSON	USA	2001	5:47.52	LAVELLE STOINOFF	USA	1993
2:57.89	MARIA BALLA	FRA	2001	3:17.36	CATHY MANCINO	USA	2005	5:48.80	HANNELORE ROSE	GER	2003
2:59.18	BETSY T. JORDAN	USA	1992	3:17.68	FLORA CONNOLLY	GBR	1989	5:52.14	CAROL FELLOWS	GBR	2006
2:59.91	JACKIE MARR	USA	2001	3:17.99	MICHIKO OTO	JPN	2006	5:52.99	SUZANNE DILLS	USA	2006
3:00.24	SILVANA ABREU	BRA	1996		200 M. I.M.			5:55.08	BRIGITTE MERTEN	GER	2006
3:00.78	ANNE LA BORWIT	USA	2006	2:53.15	CHARLOTTE DAVIS	USA	2006	5:57.07	PENNY WEBSTER	GBR	2004
	50 M. BRST			2:53.41	C.STIEFENHOFER	GER	2000		800 M. FREE		
38.30	JAN WICKS	AUS	2001	2:53.72	BRIGITTE MERTEN	GER	2003	11:33.65	JEN THOMASSON	AUS	2003
39.01	MONIKA SENFTLEBEN	GER	2001	2:56.89	JANETTE JEFFREY	AUS	2006	11:41.17	JACKIE MARR	USA	2003
39.91	JAYNE BRUNER	USA	1991	2:59.11	BARBARA DUNBAR	USA	2004	11:44.16	YOSHIKO OSAKI	JPN	1999
40.01	BONNIE PRONK	CAN	1999	2:59.15	YOSHIKO OSAKI	JPN	1995	11:47.20	HANNELORE ROSE	GER	2003
40.17	JENNIFER MERRITT	GBR	2006	3:00.27	CATHERINE IMWALLE	USA	2006	11:54.21	SUZANNE DILLS	USA	2006
40.22	YVONNE CATTRALL	CAN	2005	3:00.80	HELLA VERSVELD	CAN	2005	12:01.79	LAVELLE STOINOFF	USA	1994
40.25	HANNELORE ROSE	GER	2001	3:00.80	JEN THOMASSON	AUS	1998	12:12.38	CAROL WANNELL	AUS	2004
40.57	GINGER PIERSON	USA	2004	3:01.48	ANNE CORK	GBR	2006	12:15.57	PENNY WEBSTER	GBR	2004
40.61	BRIGITTE KUHL	GER	2006		400 M. I.M.			12:19.35	CLARA WALKER	USA	1988
40.81	ELAINE BROMWICH	GBR	1997	6:07.72	CHARLOTTE DAVIS	USA	2006	12:31.70	REIKO ISHIZAKI	JPN	1999
	100 M. BRST			6:14.40	BRIGITTE MERTEN	GER	2004		1500 M. FREE		
1:27.40	JENNIFER MERRITT	GBR	2006	6:16.14	BARBARA DUNBAR	USA	2004	22:05.65	JACKIE MARR	USA	2005
1:29.06	HANNELORE ROSE	GER	2001	6:18.94	YOSHIKO OSAKI	JPN	1993	22:32.06	JEN THOMASSON	AUS	2003
1:29.11	BONNIE PRONK	CAN	1999	6:25.02	JEN THOMASSON	AUS	1998	22:41.81	HANNELORE ROSE	GER	2004
1:29.88	JAYNE BRUNER	USA	1992	6:29.79	JANETTE JEFFREY	AUS	2006	22:50.81	LAVELLE STOINOFF	USA	1995
1:30.24	UTA HOFFMANN	GER	2004	6:31.98	CATHERINE IMWALLE	USA	2006	23:55.57	CLARA WALKER	USA	1986
1:30.30	ELAINE BROMWICH	GBR	1997	6:32.34	SUSANA BARKLEY	ESP	2001	23:58.54	BONNIE PRONK	CAN	2005
1:30.49	YVONNE CATTRALL	CAN	2005	6:32.56	JULIE CRAYFORD	GBR	2004	23:59.60	PENNY WEBSTER	GBR	2003
1:30.73	DEB WALKER	USA	2006	6:32.87	HANNELORE ROSE	GER	2000	24:10.41	E.KETELSEN	DEN	2004
1:30.97	MONIKA SENFTLEBEN	GER	1998		*****			24:10.91	RITSUKO SUGIMURA	JPN	2004
1:31.05	ROTRAUD PALMER	GBR	1996		*****			24:14.04	JANE KATZ	USA	2003
	200 M. BRST				*****				50 M. BACK		
3:09.28	JENNIFER MERRITT	GBR	2006		*****			35.79	B.BARNETT-SALLEE	USA	2006
3:13.90	BONNIE PRONK	CAN	2001		*****			36.61	SATOKO TAKEUJI	JPN	2004
3:14.40	HANNELORE ROSE	GER	1998	31.40	LYNETTE STEVENSON	AUS	2006	37.06	MARIA BALLA	HUN	2004
3:14.78	JEN THOMASSON	AUS	1998	31.55	CHRISTEL SCHULZ	GER	2004	37.12	SILVANA ABREU	BRA	2002
3:15.32	ELAINE BROMWICH	GBR	1997	31.60	CAROLYN BOAK	USA	2006	37.30	MARGIT OHLSSON	SWE	2005
3:16.00	NORMA SUTHERLAND	AUS	1998	31.66	JUDY WILSON	GBR	2004	37.35	LYNETTE STEVENSON	AUS	2006
3:18.11	FLORA CONNOLLY	GBR	1989	32.48	KAYE BEER	AUS	2006	37.56	PENNY STEELE	AUS	2005
3:18.61	ANNEGRET VOLCKER	GER	2001	32.57	JAN WICKS	AUS	2006	37.84	MARGARET WILDING	GBR	2000
3:18.69	UTA HOFFMANN	GER	2004	32.62	GEORGINA LOPEZ	CAN	2004	38.09	HIROMI SATO	JPN	2002
3:19.16	JOANN LEILICH	USA	1998	32.77	JAYNE BRUNER	USA	1995	38.76	BETSY JORDAN	USA	1997
	50 M. FLY			32.80	D.PAOLETTI	ITA	2004		100 M. BACK		
32.10	LAURA VAL	USA	2006	32.92	OLGA KREJCI	SUI	2000	1:18.91	B.BARNETT-SALLEE	USA	2006
32.24	JUDY WILSON	GBR	2000		100 M. FREE			1:20.43	SATOKO TAKEUJI	JPN	2002
32.91	CONNOR BOER-BUIJS	NED	2005	1:10.29	CHRISTEL SCHULZ	GER	2004	1:22.07	MARGARET WILDING	GBR	2000
33.26	CHARLOTTE DAVIS	USA	2006	1:10.60	CAROLYN BOAK	USA	2006	1:22.31	MARGIT OHLSSON	SWE	2005
33.88	YOSHIKO KADOSAKA	JPN	2004	1:11.24	JUDY WILSON	GBR	2004	1:22.85	MARIA BALLA	HUN	2006



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

1:24.45	BETSY JORDAN	USA	1997	1:29.24	DANIELA BARNEA	USA	2004	2:54.02	LAVELLE STOINOFF	USA	1998	
1:24.97	SILVANA ABREU	BRA	2002	1:30.14	SILVANA ABREU	BRA	2004	2:57.63	GAIL ROPER	USA	1996	
1:25.18	LYNETTE STEVENSON	AUS	2006	1:30.17	HAIKE HOLER	GER	1996	2:58.21	DIANE STOWELL	USA	2000	
1:25.79	BONNIE PRONK	CAN	2002	200 M.	FLY			3:00.29	HELGA REICH	GER	2003	
1:26.31	HIROMI SATO	JPN	2002	3:12.48	JUDY WILSON	GBR	2004	3:01.30	BETH SCHREINER	USA	2006	
	200 M.	BACK		3:12.52	SUSANA BARKLEY	ESP	2006	400 M.	FREE			
2:50.16	B.BARNETT-SALLEE	USA	2006	3:22.22	HANNELORE ROSE	GER	2003	5:46.27	YOSHIKO OSAKI	JPN	2003	
2:58.02	SATOKO TAKEUJI	JPN	2002	3:22.94	YOSHIKO OSAKI	JPN	2002	5:54.90	LAVELLE STOINOFF	USA	1998	
2:59.01	BONNIE PRONK	CAN	2002	3:26.54	DANIELA BARNEA	USA	2005	6:00.59	CHRISTEL SCHULZ	GER	2006	
3:00.06	MARGIT OHLSSON	SWE	2005	3:27.22	SILVANA ABREU	BRA	2003	6:05.22	CLARA WALKER	USA	1991	
3:01.74	MARIA BALLA	HUN	2005	3:27.54	FLORA CONNOLLY	GBR	1994	6:07.32	PAM HUTCHINGS	AUS	2002	
3:06.23	BETSY JORDAN	USA	1997	3:28.58	JUDIE OLIVER	CAN	1992	6:09.73	JANE ASHER	GBR	1996	
3:07.40	SILVANA ABREU	BRA	2002	3:29.66	HARRIET BURE	SWE	2006	6:15.47	REIKO ISHIZAKI	JPN	2003	
3:08.57	MARGARET WILDING	GBR	1999	3:31.44	JUTTA SEIDL	GER	1997	6:15.64	HELGA REICH	GER	2003	
3:10.08	PAM HUTCHINGS	AUS	1996	200 M.	I.M.			6:19.00	DIANE STOWELL	USA	2000	
3:10.75	CHRISTEL SCHULZ	GER	2004	2:58.08	BRIGITTE MERTEN	GER	2006	6:21.65	ANNE KREISEL	GER	2006	
	50 M.	BRST		3:00.52	BONNIE PRONK	CAN	2002	800 M.	FREE			
	38.48	MONIKA SENFTLEBEN	GER	2002	3:00.74	CAROLYN BOAK	USA	2006	12:06.31	YOSHIKO OSAKI	JPN	2003
	39.16	BONNIE PRONK	CAN	2002	3:02.24	HARRIET BERGER	GER	2004	12:23.32	LAVELLE STOINOFF	USA	1998
	39.25	JAN WICKS	AUS	2006	3:03.33	MARGIT OHLSSON	SWE	2006	12:27.60	CLARA WALKER	USA	1992
	40.93	HARRIET BERGER	GER	2004	3:04.36	HANNELORE ROSE	GER	2003	12:41.94	JANE ASHER	GBR	1996
	41.12	HANNELORE ROSE	GER	2002	3:05.12	CHRISTEL SCHULZ	GER	2003	12:47.62	REIKO ISHIZAKI	JPN	2003
	41.35	ELAINE BROMWICH	GBR	2004	3:05.90	YOSHIKO OSAKI	JPN	1999	12:48.10	HELGA REICH	GER	2004
	41.43	JAYNE BRUNER	USA	1998	3:06.08	SILVANA ABREU	BRA	2002	12:58.01	V.JOHANSSON	SWE	2001
	42.31	VERA SASSE	BRA	2004	3:09.34	JACKIE MARR	USA	2003	12:59.19	JUNE KRAUSER	USA	1994
	42.32	DIANE FORD	GBR	2003	400 M.	I.M.			13:03.65	PAM HUTCHINGS	AUS	2001
	42.49	EDITH BOEHM	GER	1988	6:22.61	BRIGITTE MERTEN	GER	2006	13:08.04	ANNE KREISEL	GER	2006
	100 M.	BRST		6:33.09	HANNELORE ROSE	GER	2002	1500 M.	FREE			
1:27.64	BONNIE PRONK	CAN	2002	6:34.22	JEN THOMASSON	AUS	2004	23:42.01	LAVELLE STOINOFF	USA	1998	
1:29.86	HARRIET BERGER	GER	2004	6:34.94	YOSHIKO OSAKI	JPN	2001	24:07.05	CLARA WALKER	USA	1992	
1:29.97	HANNELORE ROSE	GER	2002	6:36.99	JACKIE MARR	USA	2003	24:43.09	JANE ASHER	GBR	1996	
1:31.05	MONIKA SENFTLEBEN	GER	2002	6:38.81	CAROLYN BOAK	USA	2005	24:46.06	REIKO ISHIZAKI	JPN	2005	
1:32.18	DIANE FORD	GBR	2006	6:46.13	BONNIE PRONK	CAN	2005	25:09.69	JUNE KRAUSER	USA	1995	
1:32.37	JOANN LEILICH	USA	1999	6:48.38	SILVANA ABREU	BRA	2003	25:14.99	GAIL ROPER	USA	1996	
1:32.49	ELAINE BROMWICH	GBR	2004	6:57.33	FLORA CONNOLLY	GBR	1994	25:21.55	DIANE STOWELL	USA	2001	
1:33.66	CAROLYN BOAK	USA	2005	6:58.78	INGEBORG SEIDEL	GER	2006	25:25.52	MARGA SCHULZE	GER	2004	
1:34.12	JAYNE BRUNER	USA	1996					25:27.77	BARBARA FENTIMAN	AUS	1999	
1:34.13	NOBUKO YASUDA	JPN	2006	*****				25:35.81	PETEY SMITH	USA	1989	
	200 M.	BRST						50 M.	BACK			
3:14.49	BONNIE PRONK	CAN	2002					38.17	SILVANA ABREU	BRA	2006	
3:16.08	HANNELORE ROSE	GER	2003					38.85	PAM HUTCHINGS	AUS	2002	
3:18.05	HARRIET BERGER	GER	2004	50 M.	FREE			39.85	CLARA WALKER	USA	1992	
3:22.24	DIANE FORD	GBR	2006	32.52	CHRISTEL SCHULZ	GER	2005	40.50	MARGA BRAUN	GER	1999	
3:23.14	ELAINE BROMWICH	GBR	2004	33.38	OLGA KREJCI	SUI	2002	40.93	BETSY JORDAN	USA	2002	
3:23.62	JOANN LEILICH	USA	1999	33.47	YOSHIKO OSAKI	JPN	2004	40.99	DORIS STEADMAN	USA	1990	
3:24.38	MASAYO AZUMA	JPN	1996	33.55	JAYNE BRUNER	USA	2000	40.99	CHRISTEL SCHULZ	GER	2006	
3:25.29	FLORA CONNOLLY	GBR	1994	33.69	PAM HUTCHINGS	AUS	2002	41.58	SHOKO YONEZAWA	JPN	2002	
3:25.73	YOSHIE OGASAWARA	JPN	2006	34.17	GAIL ROPER	USA	1996	41.92	KAREN BENDTSEN	DEN	1997	
3:27.35	INGEBORG SEIDEL	GER	2006	34.18	SALLY BOLAR	USA	2005	42.30	JANE ASHER	GBR	1997	
	50 M.	FLY		34.57	BETH SCHREINER	USA	2006	100 M.	BACK			
	33.47	JUDY WILSON	GBR	2004	34.61	JANE ASHER	GBR	1996	1:27.51	PAM HUTCHINGS	AUS	2002
	35.06	CHRISTEL SCHULZ	GER	2004	34.69	JEANNE LITTLE	USA	2005	1:28.08	SILVANA ABREU	BRA	2006
	35.18	MICHIE DOI	JPN	2004	100 M.	FREE			1:30.23	CHRISTEL SCHULZ	GER	2005
	35.28	JAN WICKS	AUS	2006	1:12.00	CHRISTEL SCHULZ	GER	2005	1:30.97	CLARA WALKER	USA	1991
	35.62	JOY WARD	USA	2002	1:13.05	YOSHIKO OSAKI	JPN	2004	1:31.58	DORIS STEADMAN	USA	1990
	35.92	HARRIET BERGER	GER	2004	1:14.93	PAM HUTCHINGS	AUS	2002	1:31.68	BETSY JORDAN	USA	2006
	36.24	SARAH BROUGHNER	USA	2001	1:16.84	CLARA WALKER	USA	1992	1:34.18	V.JOHANSSON	SWE	2002
	36.46	SUSANA BARKLEY	ESP	2006	1:17.55	SALLY BOLAR	USA	2005	1:34.45	BRENDA WALKER	GBR	2004
	36.56	CLAIRE O'DWYER	IRE	2002	1:17.73	JANE ASHER	GBR	1996	1:34.72	SHOKO YONEZAWA	JPN	2001
	36.60	SILVANA ABREU	BRA	2002	1:18.00	GAIL ROPER	USA	1996	1:34.78	HAIKE HOLER	GER	2002
	100 M.	FLY		1:19.11	BETH SCHREINER	USA	2006	200 M.	BACK			
1:17.34	JUDY WILSON	GBR	2004	1:20.10	LAVELLE STOINOFF	USA	1998	3:13.06	PAM HUTCHINGS	AUS	2002	
1:21.31	HARRIET BERGER	GER	2004	1:20.17	JAYNE BRUNER	USA	2001	3:16.02	LAVELLE STOINOFF	USA	1998	
1:21.61	BRIGITTE MERTEN	GER	2006	200 M.	FREE			3:17.12	DORIS STEADMAN	USA	1990	
1:26.81	SUSANA BARKLEY	ESP	2006	2:42.91	YOSHIKO OSAKI	JPN	2004	3:17.20	CHRISTEL SCHULZ	GER	2006	
1:26.96	CLAIRE O'DWYER	IRE	2002	2:42.96	CHRISTEL SCHULZ	GER	2006	3:17.21	CLARA WALKER	USA	1991	
1:27.05	YOSHIKO OSAKI	JPN	1999	2:48.51	CLARA WALKER	USA	1992	3:20.36	SILVANA ABREU	BRA	2006	
1:27.36	HANNELORE ROSE	GER	2002	2:53.14	JANE ASHER	GBR	1996	3:21.90	GRETHE BENDTSEN	DEN	1998	
				2:53.88	PAM HUTCHINGS	AUS	2002					



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

3:24.32	FLORA CONNOLLY	GBR 2001	3:55.12	ENEDINA PEREIRA	BRA 2003	6:40.35	HISAKO SATO	JPN 2006
3:24.65	BETSY JORDAN	USA 2004	200 M. I.M.			6:42.48	DIANE STOWELL	USA 2005
3:25.30	JANET BROWN	GBR 2006	3:08.85	CHRISTEL SCHULZ	GER 2006	6:46.10	NANCY BROWN	USA 2006
50 M. BRST			3:11.94	YOSHIKO OSAKI	JPN 2003	800 M. FREE		
42.78	SHOKO YONEZAWA	JPN 2002	3:19.01	CLARA WALKER	USA 1991	12:32.21	JANE ASHER	GBR 2002
43.42	EDITH BOHM	GER 1994	3:19.32	SILVANA ABREU	BRA 2006	12:35.14	LAVELLE STOINOFF	USA 2004
43.57	JOANN LEILICH	USA 2005	3:21.70	SHOKO YONEZAWA	JPN 2001	12:59.41	HELGA REICH	GER 2006
44.03	ODETTE LUSIEN	FRA 1994	3:24.08	FLORA CONNOLLY	GBR 1998	13:15.45	JUNE KRAUSER	USA 1996
44.03	ELAINE PELLIS	BEL 2001	3:24.17	JANE ASHER	GBR 1996	13:30.28	BARBARA FENTIMAN	GBR 2004
44.07	OLGA KREJCI	SUI 2001	3:25.04	GAIL ROPER	USA 1996	13:41.60	HISAKO SATO	JPN 2005
44.60	A.LEENE-RODAHL	NZL 1998	3:27.95	KEIKO YAMADA	JPN 2004	13:45.99	V.JOHANSSON	SWE 2005
44.64	CHRISTINE PARFECT	GBR 2005	3:29.60	ELEONORE OTTO	GER 2001	13:51.53	PETEY SMITH	USA 1994
44.98	ERIKA LANGE	GER 1995	400 M. I.M.			13:52.87	NANCY BROWN	USA 2006
45.16	ROTRAUD PALMER	GBR 2006	6:46.46	YOSHIKO OSAKI	JPN 2005	14:04.35	GAIL ROPER	USA 2002
100 M. BRST			7:06.75	FLORA CONNOLLY	GBR 1998	1500 M. FREE		
1:36.41	LUISE KNOPFLE	GER 2004	7:09.21	SILVANA ABREU	BRA 2006	24:06.48	JANE ASHER	GBR 2001
1:36.94	JOANN LEILICH	USA 2004	7:09.69	CLARA WALKER	USA 1992	24:24.13	LAVELLE STOINOFF	USA 2003
1:37.06	MASAYO AZUMA	JPN 2002	7:23.20	GAIL ROPER	USA 1996	25:04.94	BARBARA FENTIMAN	AUS 2004
1:38.12	SHOKO YONEZAWA	JPN 2000	7:24.85	HELGA REICH	GER 2004	25:25.26	JUNE KRAUSER	USA 1997
1:39.20	JAYNE BRUNER	USA 2001	7:27.79	JUNE KRAUSER	USA 1991	25:40.43	CLARA WALKER	USA 1996
1:39.22	MARGIT JEBE	USA 2003	7:30.42	BETSY JORDAN	USA 2002	26:17.37	HISAKO SATO	JPN 2005
1:39.30	DIANE STOWELL	USA 2001	7:32.37	ELEONORE OTTO	GER 2001	26:42.94	GAIL ROPER	USA 2002
1:39.37	FLORA CONNOLLY	GBR 1999	7:35.08	URSULA FROHLICH	GER 2000	26:59.89	DENISE ROBERTSON	AUS 2006
1:39.51	A.LEENE-RODAHL	NZL 1998				27:01.74	NANCY BROWN	USA 2006
1:39.70	ELAINE PELLIS	BEL 2001	*****			27:05.80	PETEY SMITH	USA 1994
200 M. BRST			WOMEN 70-74			50 M. BACK		
3:26.98	JOANN LEILICH	USA 2005	*****			41.90	SHOKO YONEZAWA	JPN 2005
3:27.71	LUISE KNOPFLE	GER 2004	50 M. FREE			42.29	DORIS STEADMAN	USA 1996
3:28.43	MASAYO AZUMA	JPN 2001	34.64	JANE ASHER	GBR 2004	42.35	PAM HUTCHINGS	AUS 2006
3:30.95	FLORA CONNOLLY	GBR 1998	35.28	GAIL ROPER	USA 1999	43.49	GRETHE BENDTSEN	DEN 2001
3:33.21	YOSHIKO OSAKI	JPN 2005	36.10	HISAKO SATO	JPN 2005	43.84	JANE ASHER	GBR 2002
3:34.93	MARGIT JEBE	USA 2003	36.13	CLARA WALKER	USA 1996	43.96	V.JOHANSSON	SWE 2005
3:35.96	SHOKO YONEZAWA	JPN 2000	36.23	PAM HUTCHINGS	AUS 2006	44.18	JOAN PARNELL	CAN 1998
3:36.67	CHRISTINE PARFECT	GBR 2004	36.26	SHOKO YONEZAWA	JPN 2006	44.53	BUNNY CEDERLUND	USA 1992
3:36.89	TAYO FUJIEDA	JPN 2002	36.39	M.CUNNINGHAM	AUS 1996	44.58	NANCY BROWN	USA 2006
3:38.12	ELIANE PELLIS	BEL 1998	36.54	ODETTE LUSIEN	FRA 1998	44.83	MARY CULHANE	USA 1992
50 M. FLY			36.89	HELGA REICH	GER 2006	100 M. BACK		
35.77	CHRISTEL SCHULZ	GER 2006	36.90	LOTTIE GEURTS	NED 2006	1:33.49	SHOKO YONEZAWA	JPN 2005
37.54	YOSHIKO OSAKI	JPN 2003	100 M. FREE			1:33.61	V.JOHANSSON	SWE 2005
37.67	HARUMI SUGIMOTO	JPN 2003	1:17.94	JANE ASHER	GBR 2004	1:33.61	JANE ASHER	GBR 2002
38.07	HAIKE HOLER	GER 2002	1:19.94	GAIL ROPER	USA 1999	1:35.11	DORIS STEADMAN	USA 1995
38.16	SILVANA ABREU	BRA 2006	1:21.57	CLARA WALKER	USA 1996	1:36.34	GRETHE BENDTSEN	DEN 2001
39.07	SARAH KOPSKY	USA 2006	1:22.43	SHOKO YONEZAWA	JPN 2005	1:36.36	NANCY BROWN	USA 2006
39.18	GAIL ROPER	USA 1996	1:22.62	LOTTIE GEURTS	NED 2006	1:36.65	PAM HUTCHINGS	AUS 2006
39.45	HISAKO SATO	JPN 2001	1:22.99	NANCY BROWN	USA 2006	1:38.66	JOAN PARNELL	CAN 1998
39.85	JANE ASHER	GBR 2000	1:23.09	LAVELLE STOINOFF	USA 2003	1:39.85	B.ANDERSON	AUS 1987
40.06	ELIZABETH ROEPKE	USA 2005	1:23.99	PAM HUTCHINGS	AUS 2006	1:40.35	HAIKE HOELER	GER 2006
100 M. FLY			1:24.38	HISAKO SATO	JPN 2006	200 M. BACK		
1:27.73	YOSHIKO OSAKI	JPN 2003	1:24.57	BARBARA FENTIMAN	AUS 2004	3:22.49	V.JOHANSSON	SWE 2005
1:33.38	SILVANA ABREU	BRA 2006	200 M. FREE			3:27.58	JANE ASHER	GBR 2002
1:34.62	HAIKE HOLER	GER 2002	2:50.27	JANE ASHER	GBR 2002	3:28.69	DORIS STEADMAN	USA 1995
1:35.57	SALLY BOLAR	USA 2004	2:57.28	LAVELLE STOINOFF	USA 2003	3:29.12	GRETHE BENDTSEN	DEN 2000
1:35.77	HELGA REICH	GER 2003	3:00.28	HELGA REICH	GER 2006	3:29.72	LAVELLE STOINOFF	USA 2004
1:36.68	GAIL ROPER	USA 1996	3:01.28	GAIL ROPER	USA 1999	3:31.30	PAM HUTCHINGS	AUS 2006
1:37.88	MARCELA STASTNA	CZE 2004	3:03.86	BARBARA FENTIMAN	AUS 2004	3:32.26	NANCY BROWN	USA 2006
1:38.33	ODETTE LUSIEN	FRA 1994	3:04.56	CLARA WALKER	USA 1996	3:35.08	EVA JAROSOVA	CZE 2006
1:38.71	JAYNE BRUNER	USA 2000	3:06.75	PAM HUTCHINGS	AUS 2006	3:36.03	SHOKO YONEZAWA	JPN 2006
1:39.10	HISAKO SATO	JPN 2001	3:06.98	JUNE KRAUSER	USA 1997	3:36.32	NANCY MACBETH	USA 1999
200 M. FLY			3:09.40	HISAKO SATO	JPN 2006	50 M. BRST		
3:31.05	YOSHIKO OSAKI	JPN 2005	3:10.28	JEAN TROY	USA 1999	43.45	SHOKO YONEZAWA	JPN 2005
3:32.63	SILVANA ABREU	BRA 2006	400 M. FREE			43.98	EDITH BOEHM	GER 1999
3:33.04	FLORA CONNOLLY	GBR 1998	6:05.25	JANE ASHER	GBR 2004	45.53	ELIANE PELLIS	BEL 2004
3:33.38	HELGA REICH	GER 2002	6:11.92	LAVELLE STOINOFF	USA 2003	46.14	RUTH MULLER	GER 2006
3:36.25	JUNE KRAUSER	USA 1994	6:22.10	HELGA REICH	GER 2006	46.51	A.OBBERGHEN	BEL 2004
3:43.97	GAIL ROPER	USA 1995	6:33.15	CLARA WALKER	USA 1996	46.78	A.LEENE-RODAL	NZL 2003
3:47.12	SALLY BOLAR	USA 2004	6:33.19	JUNE KRAUSER	USA 1996	46.80	DIANE STOWELL	USA 2005
3:48.10	BETTY JANE RUSS	USA 1992	6:35.47	BARBARA FENTIMAN	GBR 2004	46.91	ODETTE LUSIEN	FRA 1998
3:52.58	SYLVIA NEUHAUSER	AUT 1997	6:36.90	GAIL ROPER	USA 1999	46.93	ERIKA LANGE	GER 1998



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

47.37 SYLVIA EISELE	CAN 2000	7:25.26 JANE ASHER	GBR 2001	15:00.30 YOSHIKO KINOSHITA	JPN 2006
100 M. BRST		7:30.91 JUNE KRAUSER	USA 1996	1500 M. FREE	
1:38.08 SHOKO YONEZAWA	JPN 2005	7:35.30 HELGA REICH	GER 2006	24:41.76 JANE ASHER	GBR 2006
1:39.15 MASAYO AZUMA	JPN 2005	7:38.56 JUDITH OLIVER	CAN 2002	27:09.75 JEAN TROY	USA 2003
1:41.04 ELIANE PELLIS	BEL 2004	7:49.98 GAIL ROPER	USA 1999	27:40.67 JUNE KRAUSER	USA 2001
1:43.86 EDITH BOEHM	GER 1999	7:52.18 NANCY BROWN	USA 2006	27:43.98 MICHIKO OKUMURA	JPN 2006
1:44.40 DIANE STOWELL	USA 2005	7:53.70 NANCY MACBETH	USA 1999	27:54.35 LIZ WALLIS	AUS 2002
1:44.91 ANN HIRSCH	USA 2001	7:57.86 URSULA FROHLICH	GER 2005	28:24.77 GAIL ROPER	USA 2005
1:45.72 A.OBBERGHEN	BEL 2004	7:58.34 ANN HIRSCH	USA 2001	28:38.34 MARGERY MEYER	USA 1998
1:46.68 I.KEUSCH-RENNER	GER 2004	8:03.09 PATRICIA LIDDY	AUS 2006	28:55.23 ANN HIRSCH	USA 2006
1:46.93 A.LEENE-RODAL	NZL 2003			28:56.44 BETTY LORENZI	USA 2003
1:47.34 JUDIE OLIVER	CAN 2002	*****		29:00.13 M. CUNNINGHAM	AUS 2002
200 M. BRST		WOMEN 75-79		50 M. BACK	
3:34.32 SHOKO YONEZAWA	JPN 2005	*****		43.93 JANE ASHER	GBR 2006
3:38.05 MASAYO AZUMA	JPN 2006	50 M. FREE		44.43 DORIS STEADMAN	USA 1999
3:45.28 ELIANE PELLIS	BEL 2004	34.85 JANE ASHER	GBR 2006	46.17 KERSTIN GJORES	SWE 2002
3:46.18 DIANE STOWELL	USA 2004	36.87 GAIL ROPER	USA 2005	46.30 JOAN PARNELL	CAN 2004
3:49.58 SYLVIA NEUHAUSER	AUT 2002	37.48 JEAN TROY	USA 2002	46.64 WILLIE VAN RYSEL	GBR 1991
3:49.84 ANN HIRSCH	USA 2001	38.28 ODETTE LUSIEN	FRA 2002	46.80 GRETHE BENDTSEN	DEN 2006
3:52.68 JUDITH OLIVER	CAN 2002	38.47 KERSTIN GJORES	SWE 2002	46.98 BUNNY CEDERLUND	USA 1997
3:52.77 A.LEENE-RODAL	NZL 2003	38.57 FLORENCE CARR	USA 2001	47.35 BETTY LORENZI	USA 2002
3:52.95 A.OBBERGHEN	BEL 2004	39.06 J. DRAKE-BROCKMAN	AUS 1995	47.60 EDITH BOHM	GER 2003
3:53.55 GAIL ROPER	USA 1999	39.10 OLGA JOHNSON	NZL 1996	48.11 KAZUKO KABASAWA	JPN 2006
50 M. FLY		39.57 M. CUNNINGHAM	AUS 2002	100 M. BACK	
39.77 JANE ASHER	GBR 2002	39.60 MARGERY MEYER	USA 1997	1:38.62 JANE ASHER	GBR 2006
40.78 HISAKO SATO	JPN 2005	100 M. FREE		1:38.78 DORIS STEADMAN	USA 2000
40.88 HAIKE HOELER	GER 2006	1:20.15 JANE ASHER	GBR 2006	1:41.44 GRETHE BENDTSEN	DEN 2006
41.26 GAIL ROPER	USA 2000	1:26.36 GAIL ROPER	USA 2005	1:42.69 BETTY LORENZI	USA 2002
41.91 HELGA REICH	GER 2006	1:28.07 JEAN TROY	USA 2002	1:42.81 JOAN PARNELL	CAN 2003
43.96 MASUMI TANI	JPN 1996	1:29.19 M. CUNNINGHAM	AUS 2001	1:46.70 BUNNY CEDERLUND	USA 1997
44.11 JUNE KRAUSER	USA 1997	1:30.16 MITSUKO KOMURO	JPN 2005	1:46.94 KERSTIN GJORES	SWE 2002
44.38 JUDITH OLIVER	CAN 2002	1:30.35 NAN BOHL	USA 2004	1:48.63 KIMIKO OOKA	JPN 2004
45.01 ODETTE LUSIEN	FRA 1998	1:30.42 J.DRAKE-BROCKMAN	AUS 1996	1:48.86 J. DRAKE-BROCKMAN	AUS 1995
45.48 LOIS NOCHMAN	USA 1995	1:30.58 BETTY RUSS	USA 2002	1:48.94 NANCY KINNEY	USA 2004
100 M. FLY		1:31.33 FLORENCE CARR	USA 2002	200 M. BACK	
1:40.85 JUNE KRAUSER	USA 1996	1:31.48 MARGERY MEYER	USA 1997	3:34.35 JANE ASHER	GBR 2006
1:41.04 HELGA REICH	GER 2006	200 M. FREE		3:37.48 DORIS STEADMAN	USA 2000
1:42.23 HAIKE HOELER	GER 2006	2:57.61 JANE ASHER	GBR 2006	3:40.21 GRETHE BENDTSEN	DEN 2006
1:42.81 JUDITH OLIVER	CAN 2002	3:13.24 GAIL ROPER	USA 2005	3:44.55 BETTY LORENZI	USA 2002
1:45.50 JANE ASHER	GBR 2001	3:17.42 JEAN TROY	USA 2003	3:49.73 JOAN PARNELL	CAN 2003
1:45.61 GAIL ROPER	USA 2001	3:19.07 MARGERY MEYER	USA 1997	3:49.80 KERSTIN GJORES	SWE 2002
1:46.04 HISAKO SATO	JPN 2006	3:19.77 JUNE KRAUSER	USA 2001	3:51.75 NANCY KINNEY	USA 2004
1:48.19 SYLVIA NEUHAUSER	AUT 2000	3:20.46 BETTY RUSS	USA 2002	3:57.14 J.DRAKE-BROCKMAN	AUS 1996
1:50.70 PATRICIA LIDDY	AUS 2006	3:22.38 M. CUNNINGHAM	AUS 2001	3:57.56 JUNE KRAUSER	USA 2001
1:52.31 LOIS NOCHMAN	USA 1995	3:23.48 MICHIKO OKUMURA	JPN 2006	3:59.73 REGAN KENNER	USA 2000
200 M. FLY		3:25.72 BRITT GRILLI	SWE 2003	50 M. BRST	
3:39.91 JUNE KRAUSER	USA 1996	3:27.06 BETTY LORENZI	USA 2002	47.59 EDITH BOHM	GER 2003
3:47.10 HELGA REICH	GER 2006	400 M. FREE		48.69 SYLVIA EISELE	USA 2005
3:52.01 SYLVIA NEUHAUSER	AUT 2001	6:13.20 JANE ASHER	GBR 2006	49.00 A.VAN OBBERGHEN	BEL 2006
3:54.39 JANE ASHER	GBR 2001	6:55.62 JEAN TROY	USA 2002	50.65 SATOKO SUZUKI	JPN 1999
3:58.81 GAIL ROPER	USA 2002	6:57.29 JUNE KRAUSER	USA 2001	50.74 SYLVIA NEUHAUSER	AUT 2004
4:01.61 JUDIE OLIVER	CAN 2004	7:07.55 MICHIKO OKUMURA	JPN 2006	51.47 JANE ASHER	GBR 2006
4:11.79 ANN HIRSCH	USA 2001	7:09.78 LIZ WALLIS	AUS 2002	51.68 ANN HIRSCH	USA 2006
4:13.06 SYLVIA EISELE	CAN 2000	7:11.47 GAIL ROPER	USA 2005	51.99 SAYOKO WATANABE	JPN 2002
4:14.13 NANCY BROWN	USA 2006	7:11.94 BRITT GRILLI	SWE 2004	52.06 BETTY CHRISTIAN	USA 1996
4:16.68 LOIS NOCHMAN	USA 1995	7:15.85 BETTY RUSS	USA 2002	52.29 OLGA KOKORINA	RUS 1999
200 M. I.M.		7:16.18 BETTY LORENZI	USA 2002	100 M. BRST	
2:59.25 JANE ASHER	GBR 2002	7:16.82 MARGERY MEYER	USA 1998	1:48.65 SYLVIA NEUHAUSER	AUT 2004
3:30.51 JUDITH OLIVER	CAN 2002	800 M. FREE		1:49.88 A.VAN OBBERGHEN	BEL 2006
3:32.07 SHOKO YONEZAWA	JPN 2006	12:58.94 JANE ASHER	GBR 2006	1:50.28 ANN HIRSCH	USA 2006
3:32.94 GAIL ROPER	USA 1999	14:10.50 JUNE KRAUSER	USA 2001	1:52.54 SATOKO SUZUKI	JPN 1999
3:35.13 JUNE KRAUSER	USA 1996	14:16.39 JEAN TROY	USA 2003	1:54.35 EDITH BOHM	GER 2003
3:36.77 HELGA REICH	GER 2006	14:17.45 LIZ WALLIS	AUS 2002	1:54.47 SYLVIA EISELE	CAN 2006
3:38.07 JUDIE OLIVER	CAN 2004	14:22.39 GAIL ROPER	USA 2005	1:55.37 GAIL ROPER	USA 2005
3:40.24 NANCY MACBETH	USA 1999	14:32.25 MARGERY MEYER	USA 1997	1:56.06 OLGA KOKORINA	RUS 1999
3:40.49 PATRICIA LIDDY	AUS 2006	14:35.61 MICHIKO OKUMURA	JPN 2006	1:57.69 JANE ASHER	GBR 2006
3:40.69 GRETHE BENDTSEN	DEN 2001	14:49.61 BRITT GRILLI	SWE 2004	1:58.61 SAYOKO WATANABE	JPN 2002
400 M. I.M.		14:56.95 BETTY LORENZI	USA 2002	200 M. BRST	



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

			WOMEN 80-84			
3:55.25	SYLVIA NEUHAUSER	AUT 2004			50 M. BACK	
3:59.30	ANN HIRSCH	USA 2006	*****		46.39	BUNNY CEDERLUND USA 2002
4:04.56	A.VAN OBBERGHEN	BEL 2006	50 M. FREE		49.40	MARGERY MEYER USA 2002
4:07.90	JANE ASHER	GBR 2006	40.45	FLORENCE CARR USA 2005	51.41	BETTY STERN AUS 2000
4:08.40	OLGA KOKORINA	RUS 1999	41.21	OLGA JOHNSON NZL 2001	53.14	YOKO KOBAYASHI JPN 2006
4:14.40	GRETHE BENDTSEN	DEN 2006	41.31	HATSUHO SUGAYA JPN 1994	53.66	DORIS STEADMAN USA 2005
4:15.89	SYLVIA EISELE	CAN 2006	42.11	M. CUNNINGHAM AUS 2005	53.73	UME WADA JPN 1991
4:16.59	JUNE KRAUSER	USA 2001	42.29	MARGERY MEYER USA 2002	53.78	OLGA JOHNSON NZL 2001
4:19.11	SAYOKO WATANABE	JPN 2002	42.98	BETTY CHRISTIAN USA 2002	53.84	MARJORIE SHARPE USA 1997
4:21.82	AGNES PLISSON	FRA 1999	44.00	OLGA KOKORINA RUS 2004	54.52	BETTY CHRISTIAN USA 2002
4:21.82	TERUKO ONO	JPN 2003	44.25	UME WADA JPN 1991	54.79	SILVIA CRAVERI ITA 2004
50 M. FLY			44.49	JOYCE FAUNCE AUS 2002	100 M. BACK	
41.99	JANE ASHER	GBR 2006	44.96	J. DRAKE-BROCKMAN AUS 2003	1:48.64	BUNNY CEDERLUND USA 2002
44.95	GAIL ROPER	USA 2004	100 M. FREE		2:00.16	SILVIA CRAVERI ITA 2003
45.44	ODETTE LUSIEN	FRA 2002	1:37.78	MARGERY MEYER USA 2002	2:00.39	EDITH THEIN ISR 1998
47.74	JEAN TROY	USA 2002	1:38.17	OLGA KOKORINA RUS 2005	2:01.67	MARJORIE SHARPE USA 1999
47.86	LOIS NOCHMAN	USA 1999	1:38.93	M. CUNNINGHAM AUS 2005	2:01.76	G.SCHOBEL-GRASS GER 2006
49.92	JUNE KRAUSER	USA 2001	1:39.30	UME WADA JPN 1991	2:01.86	DORIS STEADMAN USA 2005
51.27	M. CUNNINGHAM	AUS 2000	1:39.78	OLGA JOHNSON NZL 2001	2:02.20	BETTY STERN AUS 2001
51.52	MICHIKO OKUMURA	JPN 2006	1:40.80	FLORENCE CARR USA 2005	2:02.42	ASAKO MANINGO USA 2005
51.56	SYLVIA NEUHAUSER	AUT 2004	1:42.38	BETTY CHRISTIAN USA 2001	2:02.46	REGAN KENNER USA 2003
51.65	SYLVIA EISELE	CAN 2006	1:42.56	RITA SIMONTON USA 1999	2:03.27	MIDORI KINJO JPN 2005
100 M. FLY			1:42.79	ELSA DE LEEUW CAN 2004	200 M. BACK	
1:50.12	SYLVIA NEUHAUSER	AUT 2004	1:43.45	MARJORIE SHARPE USA 1997	3:59.73	BUNNY CEDERLUND USA 2002
1:50.99	JANE ASHER	GBR 2006	200 M. FREE		4:11.82	G.SCHOBEL-GRASS GER 2006
1:54.14	GAIL ROPER	USA 2004	3:37.14	MARGERY MEYER USA 2003	4:11.83	EDITH THEIN ISR 2000
1:56.07	JUNE KRAUSER	USA 2001	3:42.80	M. CUNNINGHAM AUS 2005	4:16.70	DORIS STEADMAN USA 2005
1:56.65	ODETTE LUSIEN	FRA 2002	3:44.00	UME WADA JPN 1992	4:19.47	REGAN KENNER USA 2003
1:56.92	LOIS NOCHMAN	USA 1999	3:44.19	RITA SIMONTON USA 1999	4:21.88	MARGERY MEYER USA 2002
1:58.51	JEAN TROY	USA 2002	3:46.57	MARJORIE SHARPE USA 1999	4:22.89	M.WRIGHT AUS 1989
1:58.90	ANN HIRSCH	USA 2006	3:50.48	ELSA DE LEEUW CAN 2004	4:23.01	MIDORI KINJO JPN 2005
2:03.90	CHIE TANI	JPN 2002	3:52.14	OLGA JOHNSON NZL 2001	4:27.39	SILVIA CRAVERI ITA 2003
2:05.72	SYLVIA EISELE	USA 2004	3:53.88	VIRGINIA KETELEER BEL 2005	4:27.45	BETTY STERN AUS 2000
200 M. FLY			3:54.76	HISAKO KOGA JPN 1998	50 M. BRST	
4:03.55	SYLVIA NEUHAUSER	AUT 2004	3:55.25	BUNNY CEDERLUND USA 2002	53.53	OLGA KOKORINA RUS 2005
4:10.69	JUNE KRAUSER	USA 2001	400 M. FREE		56.34	BETTY CHRISTIAN USA 2001
4:17.87	GAIL ROPER	USA 2004	7:30.34	MARGERY MEYER USA 2003	56.57	SHIZUE TOYAMA JPN 2004
4:19.81	LOIS NOCHMAN	USA 1999	7:42.89	M. CUNNINGHAM AUS 2005	56.99	MICHELE GUILLAIS FRA 2001
4:21.39	JANE ASHER	GBR 2006	7:53.37	RITA SIMONTON USA 1999	57.80	KIMIE KANAI JPN 2004
4:29.94	ANN HIRSCH	USA 2006	7:56.31	MARJORIE SHARPE USA 1997	57.81	EMMI PAULI GER 1993
4:38.45	SYLVIA EISELE	CAN 2004	8:06.90	BUNNY CEDERLUND USA 2002	58.63	INGEBORG FRITZE GER 2001
4:38.68	BETTY RUSS	USA 2002	8:07.31	VIRGINIA KETELEER BEL 2006	58.93	M. CUNNINGHAM AUS 2005
4:54.79	MAXINE MERLINO	USA 1988	8:08.66	ELSA DE LEEUW CAN 2004	59.60	DOROTHY WESTON GBR 1993
5:05.83	KIMIKO OOKA	JPN 2004	8:08.69	IRENE THEELEN BEL 2006	59.97	MIZZI BUTZBACH GER 1990
200 M. I.M.			8:13.88	OLGA JOHNSON NZL 2001	100 M. BRST	
3:38.46	JANE ASHER	GBR 2006	8:16.42	CANDIDA GANDOLPHO BRA 2002	2:01.21	OLGA KOKORINA RUS 2005
3:48.59	JUNE KRAUSER	USA 2001	800 M. FREE		2:09.19	EMMI PAULI GER 1993
3:53.65	GRETHE BENDTSEN	DEN 2006	15:21.62	MARGERY MEYER USA 2003	2:10.31	KIMIE KANAI JPN 2004
3:56.39	SYLVIA NEUHAUSER	AUT 2004	16:05.85	RITA SIMONTON USA 1998	2:10.41	GERTRUD MEERWALD GER 2000
4:00.19	ANN HIRSCH	USA 2006	16:25.02	VIRGINIA KETELEER BEL 2005	2:11.03	M. CUNNINGHAM AUS 2005
4:00.87	MICHIKO OKUMURA	JPN 2006	16:39.04	MARJORIE SHARPE USA 1997	2:11.63	MICHELE GUILLAIS FRA 2001
4:01.58	MITSUKO KOMURO	JPN 2006	16:53.27	GERTRUD MEERWALD GER 2000	2:14.23	BETTY CHRISTIAN USA 2002
4:03.80	NANCY KINNEY	USA 2004	16:57.96	OLGA JOHNSON NZL 2001	2:16.16	YOKO KOBAYASHI JPN 2006
4:04.43	M. CUNNINGHAM	AUS 2001	17:07.77	ELSA DE LEEUW CAN 2004	2:16.62	INGEBORG FRITZE GER 2001
4:06.73	KIMIKO OOKA	JPN 2004	17:08.50	BUNNY CEDERLUND USA 2003	2:16.90	LIZ KNUTZEN DEN 2001
400 M. I.M.			17:21.19	UME WADA JPN 1991	200 M. BRST	
7:39.98	JANE ASHER	GBR 2006	17:27.96	JEAN DURSTON USA 1995	4:26.18	OLGA KOKORINA RUS 2006
7:51.71	JUNE KRAUSER	USA 2001	1500 M. FREE		4:40.09	EMMI PAULI GER 1993
8:10.16	ANN HIRSCH	USA 2006	29:35.03	MARGERY MEYER USA 2002	4:42.75	GERTRUD MEERWALD GER 2000
8:17.70	GAIL ROPER	USA 2005	30:41.01	RITA SIMONTON USA 1999	4:46.84	HILDEGARD MESSING GER 2000
8:49.94	SYLVIA EISELE	CAN 2006	32:09.15	MARJORIE SHARPE USA 1997	4:51.40	BETTY CHRISTIAN USA 2002
8:51.98	MICHIKO OKUMURA	JPN 2006	33:00.94	JEAN DURSTON USA 1995	4:52.95	MIZZI BUTZBACH FRG 1989
8:59.25	LOIS NOCHMAN	USA 1999	33:05.83	LOIS KIVI NOCHMAN USA 2004	4:54.92	M. CUNNINGHAM AUS 2005
9:04.69	JEAN TROY	USA 2003	33:28.46	MARIA LENK ZIGLER USA 1995	4:55.24	LIZ KNUTZEN DEN 2001
9:11.23	MAXINE MERLINO	USA 1987	33:59.65	UME WADA JPN 1992	4:56.18	REGAN KENNER USA 2003
9:18.15	EVA RAUNER	GER 1994	34:49.74	PETEY H SMITH USA 2004	4:57.96	MICHELE GUILLAIS FRA 2001
*****			35:02.14	BUNNY CEDERLUND USA 2001	50 M. FLY	
*****			35:43.66	GRE SCHONBERGER NED 2001	57.43	LOIS KIVI NOCHMAN USA 2004



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

57.90	YONE MURATA	JPN	2002	100 M. FREE		2:10.44	EDITH THEIN	ISR	2004		
58.49	CHIE TANI	JPN	2006	1:47.59	OLGA JOHNSON	NZL	2006	2:12.48	WILLY VAN RYSEL	GBR	2001
58.61	M. CUNNINGHAM	AUS	2005	1:48.75	RITA SIMONTON	USA	2003	2:13.13	AILEEN SOULE	USA	1991
59.62	FLORENCE CARR	USA	2006	1:51.88	BUNNY CEDERLUND	USA	2006	2:15.09	MARIA LENK-ZIGLER	USA	2000
1:00.50	GERTRUD MEERWALD	GER	2000	1:53.28	HISAKO KOGA	JPN	2002	2:15.30	MARJORIE SHARPE	USA	2002
1:01.41	MARIA LENK	BRA	1995	1:55.46	MARJORIE SHARPE	USA	2002	2:17.44	MASA SHIGEMITSU	JPN	2000
1:02.23	NORA RONAI	BRA	2004	1:58.29	UME WADA	JPN	1996	2:18.17	MARIE WICKLUN	USA	2000
1:02.26	DORIS RUSSELL	USA	2000	1:59.18	MAXINE MERLINO	USA	1997	2:19.43	J. DRAKE-BROCKMAN	AUS	2005
1:05.05	DOROTHY WESTON	GBR	1995	2:00.68	JULIA DOLCE	USA	1995	2:19.57	HIDEKO HANADA	JPN	2004
	100 M. FLY			2:01.85	B.BURRILL	USA	2006		200 M. BACK		
2:06.55	LOIS KIVI NOCHMAN	USA	2004	2:03.90	MAURINE KORNFELD	USA	2006	4:29.16	EDITH THEIN	ISR	2003
2:21.88	GERTRUD MEERWALD	GER	2000		200 M. FREE			4:35.71	BUNNY CEDERLUND	USA	2006
2:25.65	CHIE TANI	JPN	2006	3:59.68	RITA SIMONTON	USA	2003	4:44.76	MARJORIE SHARPE	USA	2002
2:27.91	JEAN DURSTON	USA	1994	4:03.29	OLGA JOHNSON	NZL	2006	4:47.82	AILEEN SOULE	USA	1991
2:32.29	JUNE REYNOLDS	USA	2002	4:10.20	MARJORIE SHARPE	USA	2002	4:52.87	WILLY VAN RYSEL	GBR	2001
2:32.72	DOROTHY WESTON	GBR	1995	4:19.11	HISAKO KOGA	JPN	2002	4:53.05	MARIA LENK	BRA	2000
2:34.18	NORA RONAI	BRA	2004	4:24.17	CANDIDA GANDOLPHO	BRA	2006	4:55.59	MARIE WICKLUN	USA	2000
2:36.89	MAXINE MERLINO	USA	1994	4:24.59	MAURINE KORNFELD	USA	2006	4:59.07	HIDEKO HANADA	JPN	2004
2:37.96	JAE HOWELL	USA	2003	4:26.52	UME WADA	JPN	1996	5:11.39	J. DRAKE-BROCKMAN	AUS	2005
2:41.11	DORIS RUSSELL	USA	2000	4:32.21	BUNNY CEDERLUND	USA	2006	5:12.77	MAURINE KORNFELD	USA	2006
	200 M. FLY			4:35.70	B.BURRILL	USA	2006		50 M. BRST		
4:34.86	LOIS KIVI NOCHMAN	USA	2004	4:36.57	MARIA LENK	BRA	2000	1:03.16	MICHELE GUILLAIS	FRA	2006
5:24.52	JEAN DURSTON	USA	1994		400 M. FREE			1:06.48	BETTY CHRISTIAN	USA	2006
5:29.93	MAXINE MERLINO	USA	1992	8:17.82	RITA SIMONTON	USA	2003	1:06.72	LIS KNUTZEN	DEN	2005
5:34.09	JAE HOWELL	USA	2003	8:43.79	OLGA JOHNSON	NZL	2006	1:07.88	MARIA LENK	BRA	2000
6:01.22	NORA RONAI	BRA	2004	9:10.43	MARJORIE SHARPE	USA	2002	1:09.32	INGEBORG FRITZE	GER	2006
6:02.07	NORMA RUDOLPH	AUS	2003	9:19.39	MAURINE KORNFELD	USA	2006	1:09.85	MARTI GOGNIAT	USA	1996
6:02.33	GLADYS OLSEN	USA	2006	9:30.97	EDITH THEIN	ISR	2003	1:10.13	GERTRUD ZINT	USA	2002
6:05.25	JUNE REYNOLDS	USA	2003	9:31.21	UME WADA	JPN	1997	1:11.80	H.EISFELD-KOHLER	GER	2001
6:09.67	ELSA MATTILA	USA	1990	9:32.91	JEAN DURSTON	USA	1999	1:12.02	UME WADA	JPN	1996
6:22.67	JUNE KRAUSER	USA	2006	9:42.42	B.BURRILL	USA	2006	1:12.12	RITA SIMONTON	USA	2003
	200 M. I.M.			9:52.14	MAXINE MERLINO	USA	1997		100 M. BRST		
4:25.05	M. CUNNINGHAM	AUS	2005	10:01.98	MARIA LENK	BRA	2000	2:31.14	MICHELE GUILLAIS	FRA	2006
4:33.29	LOIS KIVI NOCHMAN	USA	2006		800 M. FREE			2:34.86	MARTI GOGNIAT	USA	1996
4:34.62	CHIE TANI	JPN	2006	17:14.24	RITA SIMONTON	USA	2003	2:34.97	DOROTHY WESTON	GBR	1998
4:39.22	GERTRUD MEERWALD	GER	2000	17:49.83	OLGA JOHNSON	NZL	2006	2:36.19	BETTY CHRISTIAN	USA	2006
4:40.75	ELSA DE LEEUW	CAN	2004	18:39.75	MAURINE KORNFELD	USA	2006	2:36.47	LIS KNUTZEN	DEN	2006
4:41.09	MARIA LENK ZIGLER	USA	1995	19:12.10	JEAN DURSTON	USA	1999	2:38.46	KNUTZEN LIS	DEN	2005
4:46.90	JEAN DURSTON	USA	1995	20:11.43	MAXINE MERLINO	USA	1997	2:39.45	MARIA LENK	BRA	2000
4:47.02	MAXINE MERLINO	USA	1992	21:11.56	WILLY VAN RYSEL	GBR	2002	2:40.37	UME WADA	JPN	1996
4:50.80	G.SCHOBEL-GRASS	GER	2006	21:33.20	KAY SCHIMPF	USA	2002	2:41.63	INGEBORG FRITZE	GER	2006
4:54.26	DOROTHY WESTON	GBR	1993	21:36.47	JOYCE O'FARRELL	AUS	2006	2:42.17	MICHIKO HAMURO	JPN	2004
	400 M. I.M.			21:51.57	MARIA LENK	BRA	2001		200 M. BRST		
9:43.23	LOIS KIVI NOCHMAN	USA	2006	21:54.01	JULIA DOLCE	USA	1995	5:23.25	BARBARA BOHM	GER	2006
9:45.48	GERTRUD MEERWALD	GER	2000		1500 M. FREE			5:27.60	BETTY CHRISTIAN	USA	2006
10:05.13	MAXINE MERLINO	USA	1992	32:33.60	RITA SIMONTON	USA	2003	5:35.82	MICHIKO HAMURO	JPN	2004
10:05.95	G.SCHOBEL-GRASS	GER	2006	36:42.40	JEAN DURSTON	USA	1999	5:36.62	EMMI PAULI	GER	1998
10:08.13	JEAN DURSTON	USA	1995	38:20.39	MAXINE MERLINO	USA	1997	5:38.79	UME WADA	JPN	1996
11:04.28	JAE HOWELL	USA	2004	39:09.67	WILLY VAN RYSEL	GBR	2001	5:39.91	MARIA LENK	BRA	2000
11:14.31	ELSA MATTILA	USA	1990	40:33.36	JOYCE O'FARRELL	AUS	2006	5:45.49	ALMA BRECKNOCK	AUS	2004
11:22.65	KAY SCHIMPF	USA	1997	40:59.00	KAY SCHIMPF	USA	2002	5:54.39	KNUTZEN LIS	DEN	2005
11:30.47	GLADYS OLSEN	USA	2006	43:35.59	JULIA DOLCE	USA	1995	6:00.81	RITA SIMONTON	USA	2003
11:38.68	JUNE REYNOLDS	USA	2003	45:50.12	GERTRUD ZINT	USA	2002	6:00.91	PERSIS RAE	AUS	2004
	*****			46:53.30	K.JOHNSTONE	NZL	2006		50 M. FLY		
	WOMEN 85-89			47:18.71	KIKU ONO	JPN	2005	1:11.58	JEAN DURSTON	USA	1999
	*****				50 M. BACK			1:12.00	MARIA LENK	BRA	2000
	50 M. FREE			53.44	BUNNY CEDERLUND	USA	2006	1:13.84	MAXINE MERLINO	USA	1997
44.70	OLGA JOHNSON	NZL	2006	56.57	BETTY CHRISTIAN	USA	2006	1:24.61	MICHELE GUILLAIS	FRA	2006
48.95	HISAKO KOGA	JPN	2002	58.42	AILEEN SOULE	USA	1991	1:26.39	JEWEL COOKE	USA	1996
49.08	RITA SIMONTON	USA	2003	59.56	WILLY VAN RYSEL	GBR	2002	1:27.40	GERTRUD ZINT	USA	2002
49.43	BETTY CHRISTIAN	USA	2006	59.85	NOEL MORROW	CAN	2005	1:27.44	RITA SIMONTON	USA	2005
49.84	UME WADA	JPN	1996	1:00.00	MASA SHIGEMITSU	JPN	2000	1:27.57	EDITH GLUSAC	USA	2003
49.90	HATSUHO SUGAYA	JPN	1999	1:01.02	EDITH THEIN	ISR	2003	1:31.29	EDIE GOLDMAN	USA	1996
50.14	BUNNY CEDERLUND	USA	2006	1:01.13	OLGA JOHNSON	NZL	2006	1:34.47	ELLA PECKHAM	USA	1986
50.93	JULIA DOLCE	USA	1994	1:01.37	ANNE WALKER	USA	2002		100 M. FLY		
51.18	MARJORIE SHARPE	USA	2002	1:01.39	PERSIS RAE	AUS	2004	2:39.43	JEAN DURSTON	USA	2000
51.36	JOYCE FAUNCE	AUS	2006		100 M. BACK			2:45.28	DOROTHY WESTON	GBR	1998
				2:06.41	BUNNY CEDERLUND	USA	2006	2:59.55	MAXINE MERLINO	USA	1997





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

*****					
50	M. FREE		27.09	LEONARDO GOMES	BRA 2003
22.79	A.WADDELL	AUS 1992	27.18	THORSTEN HERRMANN	GER 2003
23.49	TIM EHLKES	GER 2004	27.29	ROBERT KROLL	GER 2005
23.49	V.HAVLICEK	CZE 2000	27.39	R.ARANTES	BRA 1986
23.52	NAOKI NAGURA	JPN 2006	27.39	HANS BIJLEMANS	BEL 1998
23.55	HANS BIJLEMANS	BEL 1998	27.41	RAFAEL JAKUBIETZ	GER 2000
23.58	DANIEL SUMMERLIN	USA 1998	27.42	KEITARO KONNAI	JPN 2004
23.60	JERROD KAPPLER	USA 2005	27.42	ROBERT HAUCK	USA 1993
23.61	NICK SHACKELL	USA 2000	27.46	SHINGO SEKIGUCHI	JPN 2005
23.64	OLAF AHLERS	GER 1992	27.48	CLAY BRITT	USA 1989
23.78	DAVIDE DIAMBRI	ITA 2004	100 M. BACK		
100 M. FREE			57.45	JON WINTER	NZL 1997
50.74	NICK SHACKELL	USA 2000	58.00	JAMES CHADWICK	GBR 2004
51.63	KOHEI KAWAMOTO	JPN 2005	58.24	JOHN KEPPELER	USA 1992
51.81	TIM EHLKES	GER 2004	58.92	ROBERT HAUCK	USA 1993
51.87	SION BRINN	USA 2002	58.97	GARETH LLEWELLYN	GBR 2004
51.92	NAOKI NAGURA	JPN 2006	59.00	R.ARANTES	BRA 1986
51.92	A.WADDELL	AUS 1992	59.10	TAKUMA YAMAOKA	JPN 2006
51.94	SVEN GROSSE	GER 2003	59.24	KENTARO NAKAMURA	JPN 2002
51.96	ANDREW MANLEY	GBR 2003	59.25	THORSTEN HERRMANN	GER 2006
52.08	JOHN KEPPELER	USA 1992	59.25	RAFAEL JAKUBIETZ	GER 2000
52.17	HANS BIJLEMANS	BEL 1998	200 M. BACK		
200 M. FREE			2:07.57	JOHN KEPPELER	USA 1992
1:51.00	JOHN KEPPELER	USA 1996	2:08.23	NICOLAS GRANGER	FRA 1994
1:52.19	JOE TRISTAN	USA 2000	2:08.59	HIROSHI NISHIMURA	JPN 2001
1:53.76	MICHAEL KIEDEL	USA 2000	2:08.65	ROBERT HAUCK	USA 1993
1:53.86	STEVEN MELLOR	GBR 2001	2:09.13	JEROME FAROUZE	FRA 2003
1:54.68	BART REYMN	BEL 1998	2:09.19	DARRYL FOLLOWS	NZL 1993
1:54.87	NEIL TAIT	GBR 1996	2:10.30	SHINYA HAYASHI	JPN 2005
1:56.00	ANDREW MANLEY	GBR 2003	2:10.47	TAKUMA YAMAOKA	JPN 2005
1:56.28	MARCUS MATTIOLI	ITA 1988	2:11.52	JAY YARID	USA 1992
1:56.57	BENJAMIN WESTON	USA 2006	2:11.57	THORSTEN HERRMANN	GER 2006
1:56.61	PHILIPP GILGEN	SUI 2003	50 M. BRST		
400 M. FREE			28.68	JAMES PARRACK	GBR 1996
4:00.98	HONZA VITAZKA	USA 2002	28.98	SETH VAN NEERDEN	USA 1997
4:01.70	STEVE MELLOR	GBR 2001	29.14	CHRIS STEWART	RSA 2006
4:02.95	BART REYMN	BEL 1998	29.30	BASTIAN KAMPMANN	GER 2003
4:03.63	ALEX KOSTICH	USA 1997	29.37	ROBERT BUTCHER	USA 1997
4:05.99	CHIP HOBSON	USA 1994	29.39	TONY REZEK	USA 1999
4:06.99	MARCUS MATTIOLI	ITA 1988	29.52	JEFF COMMINGS	USA 2003
4:07.72	ROLAND LEE	GBR 1992	29.55	S.GOLOVCHENKO	URS 1990
4:07.73	CAMERON REID	USA 1987	29.60	SIMON LEIGHFIELD	AUS 2002
4:10.15	BERT VAN POUCKE	BEL 1994	29.63	PETTERI LEHTINEN	FIN 2001
4:10.62	JEFFREY UTSCH	USA 1995	100 M. BRST		
800 M. FREE			1:04.11	JAMES PARRACK	GBR 1996
8:24.67	ALEX KOSTICH	USA 1997	1:04.49	SIMON LEIGHFIELD	AUS 2002
8:29.22	NICOLAS GRANGER	FRA 1994	1:04.60	DAVID LUNDBERG	USA 1989
8:32.92	NEIL TAIT	GBR 1996	1:04.78	KAZUO SHIN	JPN 1998
8:35.91	CHIP HOBSON	USA 1994	1:05.11	GREG OWEN	USA 2006
8:36.83	JEFF ERWIN	USA 1992	1:05.67	CHRISTOPHER JONES	GBR 2006
8:36.88	JOHN PEARSON	USA 1992	1:05.72	MATTHEW CHAPPEL	GBR 2004
8:37.24	FRANK WERNER	GER 1996	1:05.76	ROBERT BUTCHER	USA 1997
8:41.43	MARCUS MATTIOLI	ITA 1988	1:05.80	JEFF COMMINGS	USA 2003
8:44.97	MATTHEW DRISCOLL	GBR 1996	1:05.89	GUILLAUME FILION	CAN 2005
8:45.39	JOHN CALNAN	CAN 2006	200 M. BRST		
1500 M. FREE			2:20.25	SIMON LEIGHFIELD	AUS 2002
16:13.89	ALEX KOSTICH	USA 1997	2:24.69	PETER ROSS	GBR 2006
16:28.63	C.HANSMANN	GER 2002	2:24.99	MICHAEL MOLONEY	AUS 1994
16:28.69	CAMERON REID	USA 1987	2:25.91	CHRISTOPHER JONES	GBR 2006
16:31.20	JOHN CALNAN	CAN 2006	2:25.99	MATTHEW CHAPPEL	GBR 2004
16:42.87	JOHN PEARSON	USA 1991	2:26.01	EITA TSUMURA	JPN 1998
16:43.36	GREGORY FUENTES	ECU 1999	2:26.32	ABRAHAM SOLANO	USA 1996
16:43.39	RON NEUGENT	USA 1987	2:26.37	SASCHA JANITZKI	GER 2004
16:46.97	MATTHEW DRISCOLL	GBR 1995	2:26.38	ROBERT BUTCHER	USA 1997
16:47.90	ANDREA MARCATO	ITA 2002	2:26.54	THOMAS NARNHOFER	AUT 2002
16:49.25	BOBBY PATTEN	USA 1989	50 M. FLY		
50 M. BACK			24.48	KOHEI KAWAMOTO	JPN 2005
			24.88	JON WINTER	NZL 1998
			25.07	V.HAVLICEK	CZE 2000
			25.16	NAOKI NAGURA	JPN 2006
			25.21	JIRI MIKULA	CZE 1997
			25.25	ARAKEN MOREIRA	BRA 2005
			25.25	A.WADDELL	AUS 1992
			25.27	FRANCIS R NASSAR	BRA 2001
			25.37	MIKE FIBBENS	GBR 1996
			25.38	MASATERU IKEDA	JPN 1997
			100 M. FLY		
			55.35	HONZA VITAZKA	USA 2002
			55.69	JASON EADDY	USA 2004
			56.00	YUSUKE ISHIGURO	JPN 2004
			56.11	MATT HAUPT	USA 2005
			56.31	FREDERIC TONUS	BEL 1998
			56.51	NAOKI NAGURA	JPN 2006
			56.57	JON WINTER	NZL 1998
			56.65	KARNEY MCNEAR	USA 1998
			56.76	ARAKEN MOREIRA	BRA 2005
			56.78	V.HAVLICEK	CZE 2000
			200 M. FLY		
			2:04.14	KIMITAKA MINOBE	JPN 2003
			2:05.26	PHILIPP GILGEN	SUI 2003
			2:05.76	JASON EADDY	USA 2002
			2:06.53	MARCUS MATTIOLI	ITA 1988
			2:07.14	HONZA VITAZKA	USA 2002
			2:07.54	MATT HAUPT	USA 2005
			2:07.56	KARNEY MCNEAR	USA 1998
			2:07.85	LOIC LEROY	FRA 2006
			2:08.18	ROBERT BAYER	GER 2001
			2:08.21	MARCIO MENEZES	BRA 2006
			200 M. I.M.		
			2:06.33	HONZA VITAZKA	USA 2002
			2:07.00	NICOLAS GRANGER	FRA 1994
			2:09.21	CAMERON REID	USA 1987
			2:10.44	KAZUYA KUROSU	JPN 2003
			2:10.50	MATTHEW CHAPPEL	GBR 2004
			2:10.70	ROLAND LEE	GBR 1992
			2:11.08	AURELIEN COQ	FRA 2005
			2:13.11	RENATO RAMALHO	BRA 1996
			2:13.28	ANDREW MANLEY	GBR 2003
			2:13.46	K.MATSUMURA	JPN 2006
			400 M. I.M.		
			4:31.47	NICOLAS GRANGER	FRA 1994
			4:32.19	HONZA VITAZKA	USA 2002
			4:32.45	DIRK ZINNOW	GER 2000
			4:32.96	ALEX KOSTICH	USA 1997
			4:34.08	CAMERON REID	USA 1987
			4:41.14	MARCUS MATTIOLI	ITA 1988
			4:42.71	TODD ROBINSON	USA 1992
			4:43.17	JOHN PEARSON	USA 1992
			4:43.60	RENATO RAMALHO	BRA 1996
			4:44.17	RON NEUGENT	USA 1987
			*****		
			M E N 30-34		
			*****		
			50 M. FREE		
			22.80	ROBERT PEEL	USA 1996
			22.91	BRIAN JACOBSON	USA 2005
			23.21	ROWDY GAINES	USA 1991
			23.27	TODD PACE	USA 1998
			23.40	DANO HALSALL	SUI 1995
			23.49	DAMIEN CUCUMEL	FRA 2004
			23.56	MARK NOETZEL	USA 1995
			23.60	M.GIALDI	ITA 2002
			23.73	MICHAEL FIBBENS	GBR 2000
			23.74	DAVIDE DIAMBRI	ITA 2005
			100 M. FREE		



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

51.50	ROWDY GAINES	USA	1991	59.16	LEONARDO GOMES	BRA	2004	56.68	MICHAEL FIBBENS	GBR	2000
52.05	MICHAEL FIBBENS	GBR	2000	59.21	JEFF COMMINGS	USA	2004	56.69	MICHAEL ARTINGER	GER	1996
52.32	JAMES MONTGOMERY	USA	1986	59.41	TAKAFUMI OISHI	JPN	2006	56.78	STEPHANE MEYER	FRA	2005
52.36	MARK NOETZEL	USA	1995	1:00.03	JAY YARID	USA	1993	56.86	PHILIPPE MEYER	SUI	2005
52.42	BRIAN JACOBSON	USA	2005	1:00.13	MARK VOGEL	DEN	2000	56.93	MICHAEL SORENSEN	USA	1999
52.47	DAVID LUNDBERG	USA	1991	1:00.17	NICOLAS DUBREUIL	FRA	2004	57.08	JAMES BELARDI	USA	1987
52.54	JOCHEN BRUHA	GER	2002	1:00.19	DAVID LUNDBERG	USA	1992	200 M. FLY			
52.61	KLAUS HUEZ	ITA	2004	1:00.25	VIKTOR AREFYEV	UKR	2005	2:03.85	BOBBY PATTEN	USA	1995
52.66	STEPHANE MEYER	FRA	2005	200 M. BACK				2:06.82	PHILIPPE MEYER	SUI	2005
52.70	STEFAN VOLERY	SUI	1994	2:02.75	ROGERIO ROMERO	BRA	2000	2:06.84	IAN BECK	GBR	1996
200 M. FREE				2:05.62	SEAN MURPHY	USA	1994	2:07.71	JAMES BELARDI	USA	1987
1:54.33	JOSH DAVIS	USA	2006	2:06.30	MARTIN HARRIS	GBR	2000	2:09.37	SEAN MURPHY	USA	1994
1:55.28	ROWDY GAINES	USA	1991	2:08.11	MARK VOGEL	DEN	2000	2:09.59	WILLIAM SPECHT	USA	1988
1:55.48	JAMES MONTGOMERY	USA	1986	2:09.47	JEROME FAROUZE	FRA	2006	2:10.33	PETER EGAN	USA	1996
1:55.71	JOCHEN BRUHA	GER	2002	2:09.81	LEONARDO GOMES	BRA	2006	2:10.49	ALBERT SUTANTO	INA	2006
1:56.21	STEVEN MELLOR	GBR	2004	2:09.84	JAY YARID	USA	1993	2:11.06	ANDREA MARCATO	ITA	2006
1:56.64	DAN STEPHENSON	USA	1988	2:09.93	NICOLAS GRANGER	FRA	2000	2:11.08	MIKE SHAFFER	USA	1996
1:57.30	ERIK HOCHSTEIN	USA	2002	2:11.63	DARRYL FELLOWS	NZL	1999	200 M. I.M.			
1:57.42	KIRK EVERIST	USA	2000	2:11.77	TOM WOLF	USA	1987	2:08.89	NICOLAS GRANGER	FRA	2000
1:57.54	KAI DITZEL	GER	1994	50 M. BRST				2:09.69	DAVID LUNDBERG	USA	1991
1:57.79	JOHN KEPPELER	USA	2000	29.01	JEFF COMMINGS	USA	2006	2:09.70	JOSH DAVIS	USA	2006
400 M. FREE				29.15	BRIAN JACOBSON	USA	2005	2:09.86	RON KARNAUGH	USA	1996
4:05.61	ERIK HOCHSTEIN	USA	2002	29.30	TIMO NOLTE	GER	2006	2:11.56	ATTILA CZENE	SWE	2004
4:07.04	ROWDY GAINES	USA	1994	29.38	HIDEAKI TOGO	JPN	2003	2:11.59	PETER BERMEL	GER	2001
4:08.53	SEBASTIAN WIESE	GER	2003	29.42	DAVID GUTHRIE	USA	1992	2:11.88	ALBERT SUTANTO	INA	2006
4:08.70	JAMES MONTGOMERY	USA	1986	29.42	DMITRI VOLKOV	RUS	1997	2:12.17	HIROYUKI KOSAKA	JPN	2006
4:10.66	ANDREA MARCATO	ITA	2004	29.54	SETH VAN NEERDEN	USA	1998	2:12.37	R. MARK SCHUMAN	USA	1988
4:11.02	JUAN C VALLEJO	ESP	1994	29.67	TYSON YOUNG	AUS	2006	2:12.87	THOMAS FRISTOE	USA	1993
4:11.81	DAN STEPHENSON	USA	1989	29.74	RICK HOFSTETTER	USA	1987	400 M. I.M.			
4:12.75	STEVEN MELLOR	GBR	2004	29.82	BRUCE HOWELL	USA	1987	4:39.92	NICOLAS GRANGER	FRA	2000
4:13.54	THOMAS FRISTOE	USA	1993	100 M. BRST				4:40.22	SEAN MURPHY	USA	1994
4:13.71	ALBERT SUTANTO	INA	2006	1:05.02	NICK GILLINGHAM	GBR	1999	4:40.44	DAVID LUNDBERG	USA	1992
800 M. FREE				1:05.64	SETH VAN NEERDEN	USA	1998	4:41.30	THOMAS FRISTOE	USA	1993
8:40.19	ROWDY GAINES	USA	1994	1:05.65	DAVID LUNDBERG	USA	1991	4:43.83	ROQUE SANTOS	USA	2001
8:40.78	ANDREA MARCATO	ITA	2004	1:05.80	DAVID GUTHRIE	USA	1993	4:43.93	PETR KOLLROS	TCH	1988
8:45.26	SEBASTIAN WIESE	GER	2004	1:05.85	TIMO NOLTE	GER	2006	4:45.33	R. MARK SCHUMAN	USA	1988
8:46.99	JAMES MONTGOMERY	USA	1986	1:06.10	JEFF COMMINGS	USA	2005	4:46.01	ALBERT SUTANTO	INA	2006
8:47.10	GLAUCO RANGEL	BRA	2004	1:06.47	RAIKO PACHEL	EST	2004	4:47.34	RON NEUGENT	USA	1991
8:47.72	MICHAEL KLEIBER	GER	1993	1:06.56	HIDEAKI TOGO	JPN	2002	4:47.63	MATT HOOPER	USA	2005
8:47.93	IAN BECK	GBR	1996	1:06.68	MARK VANDER MEY	USA	1996	*****			
8:48.38	MARIO KOCH	GER	1996	1:06.87	BRUCE HOWELL	USA	1987	M E N 35-39			
8:49.39	DAN STEPHENSON	USA	1988	200 M. BRST				*****			
8:50.33	FABIO AFFRICANO	ITA	2005	2:20.43	NICK GILLINGHAM	GBR	1999	50 M. FREE			
1500 M. FREE				2:24.06	DAVID LUNDBERG	USA	1991	22.76	MARK FOSTER	GBR	2005
16:35.67	SEBASTIAN WIESE	GER	2003	2:24.49	VALERYS KALMIKOV	LAT	2006	23.20	ROWDY GAINES	JPN	1994
16:36.06	BOBBY PATTEN	USA	1993	2:26.18	DAVID GUTHRIE	USA	1992	23.28	M.GIALDI	ITA	2004
16:38.24	JEFF ERWIN	USA	1998	2:26.26	SIMONE BATTISTON	ITA	2006	23.59	STEFAN VOLERY	SUI	1996
16:42.28	RON NEUGENT	USA	1991	2:26.61	BRUCE HOWELL	USA	1987	23.76	SVEN LODZIEWSKI	GER	2004
16:42.60	ANDREA MARCATO	ITA	2005	2:27.19	THOMAS FRISTOE	USA	1993	23.79	JANNE VIRTANEN	FIN	2001
16:51.84	FABIEN CZACHOR	FRA	2006	2:27.40	VERNES ALBAN	HUN	1988	24.02	JAMES LILLEY	USA	1998
17:01.28	ANDREW SAPPEY	USA	1991	2:27.74	RAIKO PACHEL	EST	2004	24.25	PENG SIANG ANG	SIN	2000
17:06.73	ROBERT NICHOLS	USA	1988	2:27.95	EITA TSUMURA	JPN	2002	24.25	MARCEL EKKELBOOM	GER	2002
17:06.74	JAMES MONTGOMERY	USA	1987	50 M. FLY				24.26	TODD PACE	USA	2004
17:07.41	MATT HOOPER	USA	2005	24.73	OSWALDO QUEVEDO	USA	2006	100 M. FREE			
50 M. BACK				24.91	GARY HALL	USA	2005	51.49	ROWDY GAINES	USA	1995
26.64	MARTIN HARRIS	GBR	2002	25.16	BRIAN ALDERMAN	USA	2000	51.98	SVEN LODZIEWSKI	GER	2004
26.89	VIKTOR AREFYEV	UKR	2005	25.24	CURTIS SAWIN	USA	2002	52.15	RICHARD SAEGER	USA	2001
27.09	DANIEL GOIS	BRA	2006	25.25	TAKESHI DANNO	JPN	2000	52.22	VLAD PYSHNENKO	USA	2006
27.26	SEAN MURPHY	USA	1994	25.26	DAN WEGNER	USA	2002	52.23	MICHAEL ROSS	USA	2004
27.28	LEONARDO GOMES	BRA	2004	25.31	MIKE BOTTOM	USA	1988	52.93	JOCHEN BRUHA	GER	2004
27.32	DIX OZIER	USA	1988	25.51	JON WINTER	NZL	2002	53.07	M.GIALDI	ITA	2003
27.70	JOSH DAVIS	USA	2006	25.53	MAKIO ENDO	JPN	2002	53.72	KEVIN HOOK	USA	1997
27.70	MICHAEL FIBBENS	GBR	2000	25.58	BRIAN JACOBSON	USA	2005	53.84	HENRY CLARK	USA	2003
27.76	KENTARO NAKAMURA	JPN	2006	100 M. FLY				53.85	STEFAN VOLERY	SUI	1997
27.76	JON WINTER	NZL	2002	56.25	RAZVAN PETCU	USA	2004	200 M. FREE			
100 M. BACK				56.49	ROBERTO FIUZA N	BRA	1999	1:52.84	VLAD PYSHNENKO	USA	2006
57.24	MARTIN HARRIS	GBR	2000	56.62	OSWALDO QUEVEDO	USA	2006	1:54.86	RICHARD SAEGER	USA	2001
58.66	SEAN MURPHY	USA	1994	56.64	MIKE BOTTOM	USA	1988				



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

1:55.36	ROWDY GAINES	JPN 1994	2:10.59	RICK GOULD	USA 2006	2:09.18	JAMES BELARDI	USA 1992
1:55.62	MICHAEL ROSS	USA 2006	2:13.28	JEROME FRENTSOS	USA 2000	2:09.36	DENNIS BAKER	USA 2000
1:55.68	JOCHEN BRUHA	GER 2004	2:13.48	MARK VOGEL	DEN 2006	2:09.77	HENRY CLARK	USA 2002
1:56.02	RONALD KARNAUGH	USA 2003	2:13.83	THOMAS WOLF	USA 1990	2:11.35	TOSHIYUKI IBE	JPN 2005
1:57.37	ERIK HOCHSTEIN	USA 2003	2:13.89	YOSHIIHITO NAKAHARA	JPN 2005	2:11.48	RICHARD PEASE	USA 2003
1:57.85	NICHOLAS GRANGER	FRA 2002	2:14.47	JAY YARID	USA 1998	200 M.	I.M.	
1:57.89	BERNIE ZERUHN	USA 2006	29.09	WALLY DICKS	USA 1998	2:05.64	RONALD KARNAUGH	USA 2003
1:57.95	DAN STEPHENSON	USA 1992	29.40	GERALD MORKEN	GER 1996	2:11.23	NICOLAS GRANGER	FRA 2002
4:00 M.	FREE		29.64	ANDREA AGOSTINONE	ITA 2006	2:13.02	JEROME FRENTSOS	USA 2000
4:07.64	ROWDY GAINES	USA 1995	29.80	NICK GILLINGHAM	GBR 2004	2:13.99	EDWIN VAN NORDEN	NED 2001
4:09.74	D.VERDAGUER	ESP 2006	30.05	DAVID GUTHRIE	USA 1998	2:14.94	DARIUSZ WOLNY	POL 1998
4:10.31	ERIK HOCHSTEIN	USA 2003	30.22	RON DEKKER	NED 2001	2:15.12	PETER BERMEL	GER 2003
4:10.65	DANIEL SERRA	ESP 2005	30.47	DAVID LUNDBERG	USA 1998	2:15.21	DJAN MADRUGA	BRA 1994
4:15.49	DAN STEPHENSON	USA 1992	30.51	PLAMEN ALEXANDROV	USA 2000	2:15.31	ROQUE SANTOS	USA 2006
4:15.85	NICOLAS GRANGER	FRA 2004	30.52	PEDRO HERNANDEZ	CRC 2001	2:15.37	LORENZO BENUCCI	USA 2004
4:16.20	DANIEL VEATCH	USA 2000	30.62	FRANK IBERLE	GER 1995	2:15.61	SERGEY FESENKO	UKR 1994
4:16.54	MICHAEL KLEIBER	GER 2000	100 M.	BRST		400 M.	I.M.	
4:16.69	MATT KELLER	USA 2004	1:04.73	NICK GILLINGHAM	GBR 2004	4:34.10	RON KARNAUGH	USA 2001
4:16.73	ERIC EMINENTE	FRA 1994	1:05.00	WALLY DICKS	USA 2000	4:42.45	NICOLAS GRANGER	FRA 2002
800 M.	FREE		1:05.07	ALBERTO MONTINI	ITA 2004	4:43.17	JEROME FRENTSOS	USA 2000
8:38.73	ROWDY GAINES	USA 1996	1:05.63	RONALD KARNAUGH	USA 2003	4:46.79	DARIUSZ WOLNY	POL 1998
8:41.16	D.VERDAGUER	ESP 2006	1:05.67	DAVID GUTHRIE	USA 1995	4:48.38	ROQUE SANTOS	USA 2006
8:44.77	DANIEL SERRA	ESP 2005	1:07.52	DAVID LUNDBERG	USA 1998	4:49.90	A.TIBERTI	ITA 2001
8:46.26	JIMMY FURRER	SUI 1996	1:07.54	P.MORENO	COL 1996	4:50.18	SERGEY FESENKO	UKR 1994
8:49.89	ALEJANDRO MORENO	MEX 2004	1:07.65	MICHAEL RUFFNER	USA 2001	4:50.27	JEFF STILING	USA 1995
8:52.22	DAN STEPHENSON	USA 1992	1:07.90	MARK SCHUMAN	USA 1992	4:50.35	ALEJANDRO MORENO	MEX 2004
8:54.26	JEFF STILING	USA 1995	1:08.13	PLAMEN ALEXANDROV	USA 2000	4:51.10	A.LAVEGLIA	ITA 2002
8:54.39	MIKE SHAFFER	USA 2002	200 M.	BRST		*****		
8:54.68	KIRK ANDERSON	USA 1996	2:20.29	NICK GILLINGHAM	GBR 2004	M E N 40-44		
8:55.03	CHRISTOPHER BLACK	USA 2003	2:21.87	RON KARNAUGH	USA 2001	*****		
1500 M.	FREE		2:24.26	ALBERTO MONTINI	ITA 2004	50 M.	FREE	
16:37.34	ROWDY GAINES	USA 1995	2:24.37	DAVID GUTHRIE	USA 1995	23.30	STEPHAN VOLERY	SUI 2001
16:45.04	MIKE SHAFFER	USA 2002	2:26.05	WALLY DICKS	USA 2000	24.14	DAVID BOATWRIGHT	USA 2003
16:50.83	ERIK HOCHSTEIN	USA 2003	2:27.55	ROQUE SANTOS	USA 2006	24.25	BRENT BARNES	JPN 1998
16:59.46	DANIEL VEATCH	USA 2001	2:29.20	P.MORENO	COL 1996	24.36	JANNE VIRTANEN	FIN 2004
17:08.23	MICHAEL KLEIBER	GER 2001	2:29.95	MICHAEL RUFFNER	USA 2001	24.39	JOHN SMITH	USA 2006
17:10.80	CHRISTOPHER BLACK	USA 2003	2:30.28	R.ARGUELLES	PAN 2004	24.39	RICK ABBOTT	USA 1995
17:11.82	PAUL ASMUTH	USA 1994	2:30.42	DAVID LUNDBERG	USA 1998	24.40	CHUCK PONTHER	USA 2006
17:11.89	GEOFFREY GLASER	USA 2003	50 M.	FLY		24.48	METELLO SAVINO	ITA 2005
17:15.37	BENEDIKT NOSS	GER 2003	24.75	MARK FOSTER	GBR 2005	24.54	JOAKIM SJOHOLM	SWE 2004
17:17.00	JIMMY FURRER	SUI 1997	25.00	WADE KING	USA 2002	24.57	RICH SAEGER	USA 2006
50 M.	BACK		25.31	JAN KARLSSON	SWE 2005	100 M.	FREE	
27.50	MICHAEL ROSS	USA 2004	25.49	MICHAEL ROSS	USA 2004	53.45	RICH SAEGER	USA 2006
27.60	J CLAY BRITT	USA 1999	25.62	TYLER JOURDONNAIS	USA 2000	53.66	JOAKIM SJOHOLM	SWE 2004
27.68	RICK GOULD	USA 2006	25.78	GABRIELE MAINI	ITA 2004	53.69	CYRO DELGADO	BRA 2002
27.70	EDILSON SILVA	BRA 2006	25.89	HARTMUT BERNER	GER 2004	53.78	JACK GROSELLE	USA 1998
27.73	DEREK ROBINSON	USA 2004	25.89	THOMAS REDIG	USA 1999	53.98	METELLO SAVINO	ITA 2006
28.04	ERIC ERICSON	USA 2000	25.91	RAMON VOLCAN	VEN 1993	54.03	PAUL CARTER	USA 2001
28.15	Y.NAKAHARA	JPN 2006	25.92	DAVID LAWSON	USA 2006	54.26	DAVID BOATWRIGHT	USA 2003
28.27	GIUSEPPE TIANO	ITA 2005	25.92	ARTURS YAKOVLEVS	LAT 2004	54.27	JOHN SMITH	USA 2006
28.36	BERNIE ZERUHN	USA 2006	100 M.	FLY		54.32	JAMES SORENSEN	USA 1999
28.37	MIKE MCINTYRE	USA 1989	56.07	MICHAEL ROSS	USA 2004	54.43	MARCEL EKKELEBOOM	GER 2005
100 M.	BACK		56.39	TYLER JOURDONNAIS	USA 2000	200 M.	FREE	
59.18	MICHAEL ROSS	USA 2006	56.41	BERNIE ZERUHN	USA 2006	1:55.06	RICH SAEGER	USA 2006
59.91	ERIC ERICSON	USA 2000	56.60	JEFF STUART	USA 1996	1:58.50	KAI DITZEL	GER 2004
1:00.00	RICK GOULD	USA 2006	57.10	HENRY CLARK	USA 2003	1:58.60	ROSS DAVIS	USA 2006
1:00.13	J CLAY BRITT	USA 1999	57.39	PHILIPPE MEYER	SUI 2006	1:58.61	PAUL SMITH	USA 2001
1:00.29	RICHARD SAEGER	USA 2001	57.39	WILLIAM SPECHT	USA 1994	1:58.74	JURE BUCAR	SLO 2006
1:00.44	RONALD KARNAUGH	USA 2003	57.66	MICHAEL SORENSEN	USA 2004	1:58.94	STUART CROMARTY	USA 2004
1:00.51	DEREK ROBINSON	USA 2004	58.06	MICHAEL BOTTOM	USA 1993	1:59.25	HENRY CLARK	USA 2006
1:00.72	EDILSON SILVA	BRA 2006	58.08	JAMES BELARDI	USA 1992	1:59.38	PAUL CARTER	USA 2001
1:00.72	Y.NAKAHARA	JPN 2006	200 M.	FLY		2:00.43	ALAIN BELLAGUET	FRA 2005
1:00.84	NICHOLAS GRANGER	FRA 2002	2:06.74	JEFF STUART	USA 1996	2:00.57	MARCO COLOMBO	ITA 2004
200 M.	BACK		2:07.13	BERNIE ZERUHN	USA 2006	400 M.	FREE	
2:07.16	RON KARNAUGH	USA 2001	2:08.51	WILLIAM SPECHT	USA 1994	4:11.55	DENNIS BAKER	USA 2004
2:09.26	DANIEL VEATCH	USA 2000	2:08.65	MIKE SHAFFER	USA 2002	4:13.82	JURE BUCAR	SLO 2006
2:09.65	DARRYL FOLLOWS	NZL 2002	2:09.03	PHILIPPE MEYER	SUI 2006	4:14.37	MICHAEL PRUFERT	GER 2006
2:10.38	NICHOLAS GRANGER	FRA 2002						



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

4:15.57	BRETT PHILLIPS	USA	2001	30.82	PEDER DAHLBERG	USA	1992	2:18.41	MICHAEL RUFFNER	USA	2005
4:15.71	MICHAEL KLEIBER	GER	2004	30.83	JENS LUTSCHIN	GER	2006	2:18.51	PAOLO CARMINATI	ITA	2005
4:15.78	KAI DITZEL	GER	2004	30.91	DOUG MALCOLM	USA	1997	2:18.55	A.TIBERTI	ITA	2004
4:15.86	JOSEPH RHYNE	USA	1999	30.92	WALLY DICKS	USA	2006	400 M.	I.M.		
4:17.23	STUART CROMARTY	USA	2004	30.96	ROMAN PETROV	RUS	2002	4:49.42	DENNIS BAKER	USA	2005
4:18.66	GEOFFREY GLASER	USA	2004	100 M.	BRST			4:49.62	DARIUSZ WOLNY	POL	2000
4:20.09	MIKE SHAFFER	USA	2005	1:08.01	DAVID GUTHRIE	USA	2000	4:50.74	GUNTER GOTTFRIED	GER	2000
800 M.	FREE			1:08.21	HOWARD SEIDMAN	USA	2006	4:53.03	HESS YNTEMA	USA	1995
8:41.65	JEFF ERWIN	USA	2005	1:08.28	MICHAEL RUFFNER	USA	2005	4:53.24	JENS-PETER BERNDT	USA	2004
8:46.51	MICHAEL KLEIBER	GER	2005	1:08.35	V.PYLYPCHENKO	RUS	2005	4:53.39	A.TIBERTI	ITA	2004
8:46.61	MICHAEL PRUFERT	GER	2005	1:08.40	WALLY DICKS	USA	2006	4:53.46	A.LAVEGLIA	ITA	2006
8:48.69	JOSEPH RHYNE	USA	1999	1:08.44	MARK RUTLEDGE	USA	2005	4:55.54	BRETT PHILLIPS	USA	2001
8:51.45	STUART CROMARTY	USA	2004	1:08.63	PLAMEN ALEXANDROV	USA	2001	4:57.46	RICK COLELLA	USA	1992
8:56.20	BRETT PHILLIPS	USA	2001	1:08.97	RON SCHAFFER	USA	1998	4:57.60	PAOLO CARMINATI	ITA	2004
8:57.66	HESS YNTEMA	USA	1995	1:09.12	ANDREY BARZHAK	RUS	2005				
8:57.91	MIKE SHAFFER	USA	2006	1:09.31	ANTHONY ODRISCOLL	GBR	2000				
9:01.38	DANIEL VEATCH	USA	2006	200 M.	BRST						
9:02.50	B.BORDONALI	ITA	2004	2:28.54	DAVID GUTHRIE	USA	2000				
1500 M.	FREE			2:29.77	RON SCHAFFER	USA	1998				
16:45.53	MICHAEL KLEIBER	GER	2003	2:29.99	TIMOUR PODMARER	RUS	1998	24.26	BRETT BARNES	JPN	2004
16:54.95	MICHAEL PRUFERT	GER	2006	2:31.53	V.PYLYPCHENKO	UKR	2006	24.29	PAUL SMITH	USA	2006
16:58.52	HESS YNTEMA	USA	1995	2:32.17	RICK COLELLA	USA	1992	24.74	MARCO COLOMBO	ITA	2005
17:05.53	JOSEPH RHYNE	USA	1999	2:33.80	PLAMEN ALEXANDROV	USA	2003	24.75	GARY SCHATZ	USA	2000
17:14.13	GEORGE TIDMARSH	USA	2003	2:34.57	JURGEN BRUHN	GER	1996	24.87	G.GIGLIETTI	ITA	2006
17:16.27	MIKE SHAFFER	USA	2005	2:34.96	ANTHONY ODRISCOLL	GBR	2000	24.92	JACK GROSELLE	USA	2000
17:26.47	GERRY RODRIGUES	USA	2005	2:34.97	GLEN CHRISTIANSEN	SWE	1997	24.94	LARRY FORSYTH	AUS	2004
17:32.19	KAI DITZEL	GER	2003	2:35.78	MANFRED KODER	GER	2005	24.98	DAVID BOATWRIGHT	USA	2006
17:33.33	PAOLO CARMINATI	ITA	2004	50 M.	FLY			25.02	RICK ABBOTT	USA	2002
17:35.80	STEFANO SEGUITI	ITA	2002	25.87	PAUL SMITH	USA	2000	25.06	CYRO DELGADO	BRA	2006
50 M.	BACK			25.90	HARTMUT BERNER	GER	2005	100 M.	FREE		
27.88	CLAY BRITT	USA	2002	26.01	ROBERTO TARRICONE	ITA	2004	53.77	MARCO COLOMBO	ITA	2005
28.51	BRAD COOPER	AUS	1994	26.20	STEVE HILTABIDDLE	USA	2006	53.90	JACK GROSELLE	USA	1999
28.53	RICH SAEGER	USA	2006	26.32	CHUCK PONTHER	USA	2006	54.22	JAMES MONTGOMERY	USA	2002
28.59	SEAN MURPHY	USA	2006	26.33	WILLIAM SPECHT	USA	1998	54.41	PAUL SMITH	USA	2006
28.69	PETER ROCCA	USA	1999	26.37	GABRIELE MAINI	ITA	2006	54.83	DAVID BOATWRIGHT	USA	2006
28.72	FRITZ LEHMAN	USA	2000	26.38	RAMON VOLCAN	VZL	1998	55.35	PAUL CARTER	USA	2002
28.87	CRAIG NORREY	SUI	2001	26.43	PAUL CARTER	USA	2001	55.51	GARY SCHATZ	USA	2000
28.88	WILLIAM SPECHT	USA	1999	26.52	PENG SIONG ANG	SIN	2002	55.58	STEVE WOOD	USA	2005
28.92	JOHN ENGS	USA	2006	100 M.	FLY			55.66	TERRY DOWNES	RSA	1994
29.10	CLAY EVANS	USA	1996	57.57	PAUL CARTER	USA	2001	55.67	LARRY FORSYTH	AUS	2004
100 M.	BACK			57.62	HENRY CLARK	USA	2005	200 M.	FREE		
1:00.64	RICH SAEGER	USA	2006	57.79	WILLIAM SPECHT	USA	1999	1:59.56	MARCUS MATTIOLI	BRA	2006
1:00.91	CLAY BRITT	USA	2002	57.97	DENNIS BAKER	USA	2004	2:00.33	MARCO COLOMBO	ITA	2005
1:00.95	SEAN MURPHY	USA	2006	58.64	PAUL SMITH	USA	2000	2:00.44	PAUL SMITH	USA	2006
1:02.48	WILLIAM SPECHT	USA	1998	58.68	HARTMUT BERNER	GER	2005	2:00.89	DAN STEPHENSON	USA	2002
1:02.58	ROSS DAVIS	USA	2006	58.70	MIKE SHAFFER	USA	2006	2:01.25	DANIEL MACHEK	CZE	2006
1:02.61	FRITZ LEHMAN	USA	2001	58.85	STEVE HILTABIDDLE	USA	2006	2:01.30	JACK GROSELLE	USA	2002
1:02.66	CHRIS STEVENSON	USA	2006	58.86	ALEXEY FILONOV	RUS	2004	2:01.67	JAMES MONTGOMERY	USA	2002
1:02.80	DARIUSZ WOLNY	POL	2000	59.02	HESS YNTEMA	USA	1995	2:01.99	BOB BUGG	USA	2004
1:03.39	PETER R. O'KEEFFE	USA	1990	200 M.	FLY			2:03.30	STEVE WOOD	USA	2006
1:03.45	JAMES BALLARD	USA	1998	2:05.55	DENNIS BAKER	USA	2004	2:03.49	CYRO DELGADO	BRA	2006
200 M.	BACK			2:09.47	WILLIAM SPECHT	USA	1998	400 M.	FREE		
2:13.37	SEAN MURPHY	USA	2006	2:10.20	MIKE SHAFFER	USA	2006	4:14.81	MARCUS MATTIOLI	BRA	2006
2:14.61	JOHN ENGS	USA	2006	2:11.53	JAMES BELARDI	USA	1997	4:15.16	DENNIS BAKER	USA	2006
2:14.83	DANIEL VEATCH	USA	2006	2:12.43	HESS YNTEMA	USA	1996	4:20.23	DANIEL MACHEK	CZE	2006
2:15.35	ROSS DAVIS	USA	2006	2:12.66	JOSEPH RHYNE	USA	1999	4:21.13	DAN STEPHENSON	USA	2002
2:15.49	WILLIAM SPECHT	USA	1999	2:14.10	A.LAVEGLIA	ITA	2006	4:21.16	JIM MCCONICA	USA	1999
2:16.09	SCOTT SHAKE	USA	1999	2:14.83	DAMIANO NANETTI	ITA	2002	4:22.26	FRANK CHRISTIAN	AUS	2005
2:16.58	CHRIS STEVENSON	USA	2006	2:15.14	A.TIBERTI	ITA	2003	4:23.49	GEORGE TIDMARSH	USA	2005
2:17.29	DARIUSZ WOLNY	POL	2002	2:15.91	CHRIS STEVENSON	USA	2006	4:24.37	TIM BRODERICK	USA	1996
2:17.32	JENS-PETER BERNDT	USA	2004	200 M.	I.M.			4:24.61	NEIL BROPHY	USA	2006
2:18.17	PETER R. O'KEEFFE	USA	1990	2:15.10	JENS-PETER BERNDT	USA	2004	4:25.90	GRAHAM WELBOURN	CAN	2006
50 M.	BRST			2:15.53	JAMES SORENSEN	USA	1998	800 M.	FREE		
30.51	GERHARD AMMER	GER	2000	2:16.51	DARIUSZ WOLNY	POL	2000	8:42.85	MARCUS MATTIOLI	BRA	2006
30.52	MARCO BOBBIO	ITA	2004	2:17.53	JOHN SMITH	USA	2006	8:58.84	JIM MCCONICA	USA	1999
30.54	ROBERTO TARRICONE	ITA	2004	2:17.64	HESS YNTEMA	USA	1995	9:03.54	DANIEL MACHEK	CZE	2004
30.56	GLEN CHRISTIANSEN	SWE	1998	2:17.95	BRETT PHILLIPS	USA	2001	9:07.99	GEORGE TIDMARSH	USA	2006
30.79	MARK RUTLEDGE	USA	2006	2:18.08	ANDERS RASMUSSEN	USA	2004	9:08.34	MARK DRENNEN	USA	2004



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

9:10.46	CRAIG PETERSEN	USA	2006	1:11.49	DOUG MALCOLM	USA	2006	5:08.18	JAMIE HEMMERLE	USA	2001	
9:11.94	B.BORDONALI	ITA	2006	1:11.80	JURGEN BRUHN	GER	2001					
9:13.29	TODD BRYAN	USA	1998	1:11.90	RONNY OLTNER	SWE	2005					
9:14.68	FRANK CHRISTIAN	AUS	2005		200 M. BRST							
9:14.77	JIM CALLAHAN	USA	2002	2:31.42	DAVID GUTHRIE	USA	2006					
	1500 M. FREE			2:33.74	THOMAS LIGL	GER	2006					
17:10.90	GEORGE TIDMARSH	USA	2005	2:34.32	TIMUR PODMAREV	RUS	2006	24.60	RICHARD ABRAHAMS	USA	1998	
17:31.23	TODD BRYAN	USA	1998	2:35.11	GLEN CHRISTIANSEN	SWE	2002	24.89	JACK GROSELLE	USA	2004	
17:32.81	JIMMY FURRER	SUI	2004	2:36.36	JON BLANK	USA	2006	24.94	TRIP HEDRICK	USA	2006	
17:38.94	MARK DRENNEN	USA	2004	2:37.81	RON SCHAFFER	USA	2002	25.03	GARY SCHATZ	USA	2005	
17:47.47	STEFANO SEGUITI	ITA	2004	2:37.89	PAT ALLENDER	USA	2003	25.39	JOHN FIELDS	USA	2006	
17:49.09	BRETT PHILLIPS	USA	2004	2:38.65	JURGEN BRUHN	GER	2001	25.49	V.GALAVTINE	RUS	2003	
17:59.97	TIM BRODERICK	USA	1996	2:38.95	GREGORY OXLEY	USA	2003	25.54	PAUL TREVISAN	USA	2003	
18:00.48	KEITH BERRYHILL	USA	2004	2:39.47	SERGEY MOLODIN	RUS	2005	25.60	RICK ABBOTT	USA	2006	
18:02.51	RANDY WILLIAMS	USA	1996		50 M. FLY			25.60	RICARDO S DAVIS	BRA	2001	
18:06.42	JAMIE HEMMERLE	USA	2003	25.90	PAUL SMITH	USA	2006	25.79	LARRY KRAUSER	USA	2003	
	50 M. BACK			26.12	PAUL CARTER	USA	2002	100 M. FREE				
	28.74	CLAY BRITT	USA	2006	26.64	TRIP HEDRICK	USA	2003	54.93	JACK GROSELLE	USA	2004
	28.75	STEVE WOOD	USA	2006	26.97	GREGG PRICE	RSA	2006	55.38	TRIP HEDRICK	USA	2006
	29.01	CRAIG NORREY	SUI	2006	26.97	RICK ABBOTT	USA	2000	56.37	JOHN VAN BUUREN	CAN	2004
	29.17	MARCO COLOMBO	ITA	2005	27.03	WILLIAM SPECHT	USA	2003	56.44	LEE MENCH	USA	2003
	29.18	PETER ROCCA	USA	2002	27.08	CHARLES NORELLI	USA	2000	56.47	JOHN FIELDS	USA	2006
	29.25	FRITZ LEHMAN	USA	2004	27.12	DAN THOMPSON	USA	1992	56.67	PAUL TREVISAN	USA	2003
	29.29	RAMON VOLCAN	VEN	2006	27.19	JAMES BALLARD	USA	2003	56.69	TERRY DOWNES	RSA	1999
	29.33	DIX OZIER	NZL	2002	27.24	FABIO BERNARDI	ITA	2004	56.80	JIM MONTGOMERY	USA	2006
	29.41	WILLIAM SPECHT	USA	2003		100 M. FLY			56.98	RICHARD ABRAHAMS	USA	1998
	29.75	JAMES BALLARD	USA	2003	56.42	PAUL CARTER	USA	2002	57.13	GARY SCHATZ	USA	2005
	100 M. BACK			59.03	PAUL SMITH	USA	2005	200 M. FREE				
1:01.73	STEVE WOOD	USA	2006	59.38	WILLIAM SPECHT	USA	2003	2:02.50	JIM MCCONICA	USA	2000	
1:02.07	CLAY BRITT	USA	2006	1:00.42	BRADLEY HORNER	USA	2000	2:03.66	JACK GROSELLE	USA	2004	
1:02.62	FRITZ LEHMAN	USA	2003	1:00.50	MARCUS MATTIOLI	BRA	2006	2:06.21	LARRY KRAUSER	USA	2003	
1:02.92	MARCO COLOMBO	ITA	2005	1:00.65	DENNIS BAKER	USA	2006	2:06.84	JEFFREY PEROUT	USA	2003	
1:03.56	JAMES BALLARD	USA	2003	1:00.69	JIM BELARDI	USA	2002	2:06.98	MARK DRENNEN	USA	2006	
1:03.68	TOM WOLF	USA	2000	1:00.99	FABIO BERNARDI	ITA	2004	2:07.17	FRED SCHLICHER	USA	1998	
1:03.71	SHAWN O'GORMAN	USA	2006	1:01.06	BRIAN KELCA	USA	2005	2:08.00	LEE MENCH	USA	2003	
1:03.90	PETER ROCCA	USA	2002	1:01.22	JAMES DENSMORE	USA	2000	2:08.12	JIM MONTGOMERY	USA	2006	
1:04.12	WILLIAM SPECHT	USA	2003		200 M. FLY			2:08.31	R TOD SPIEKER	USA	1998	
1:04.69	EDDIE RIACH	GBR	1998	2:06.94	DENNIS BAKER	USA	2006	2:08.72	BRADFORD GANDEE	USA	2005	
	200 M. BACK			2:08.34	MARCUS MATTIOLI	BRA	2006	400 M. FREE				
2:18.61	WIESLAW MUSIAL	CAN	2003	2:10.97	PAUL CARTER	USA	2002	4:19.47	JIM MCCONICA	USA	2000	
2:19.07	FRITZ LEHMAN	USA	2003	2:11.02	WILLIAM SPECHT	USA	2003	4:27.07	MARK DRENNEN	USA	2006	
2:19.14	SCOTT SHAKE	USA	2005	2:14.96	JIM BELARDI	USA	2002	4:32.51	TOD SPIEKER	USA	1998	
2:19.70	ROGER VON JOUANNE	USA	2006	2:17.71	JAMES DENSMORE	USA	2000	4:32.61	SANDY MAC DONALD	USA	2006	
2:20.14	WILLIAM SPECHT	USA	2003	2:19.42	BRADLEY HORNER	USA	2000	4:32.69	MICHAEL MANN	USA	2006	
2:20.17	SHAWN O'GORMAN	USA	2006	2:20.19	HUGO BREGMAN	NED	2005	4:33.78	FRED SCHLICHER	USA	1998	
2:20.34	DJAN MADRUGA	BRA	2005	2:21.01	FRANCIS CHRISTIAN	AUS	2002	4:33.86	MICHAEL SHERRILL	USA	1999	
2:21.66	TOM WOLF	USA	1999	2:21.21	DJAN MADRUGA	BRA	2005	4:34.87	LARRY KRAUSER	USA	2005	
2:22.06	CAMERON REID	USA	2006		200 M. I.M.			4:34.98	JOHN HUGHES	USA	2005	
2:22.12	STEVE WOOD	USA	2005	2:16.12	DENNIS BAKER	USA	2006	4:36.25	JIM CLEMMONS	USA	2002	
	50 M. BRST			2:18.61	SERGII FESENKO	UKR	2004	800 M. FREE				
	30.27	RICHARD SCHROEDER	USA	2006	2:19.67	SHAWN O'GORMAN	USA	2006	9:03.84	JIM MC CONICA	USA	2001
	30.41	GLEN CHRISTIANSEN	SWE	2002	2:19.69	PAUL CARTER	USA	2002	9:13.68	MARK DRENNEN	USA	2006
	31.03	JON BLANK	USA	2006	2:20.67	ROGER VON JOUANNE	USA	2006	9:14.23	LORENZO MARUGO	ITA	2004
	31.12	DOUG MALCOLM	USA	2005	2:22.06	TIM BRODERICK	USA	1996	9:17.97	MICHAEL MANN	USA	2006
	31.53	DAVID GUTHRIE	USA	2006	2:22.11	CAMERON REID	USA	2006	9:24.93	SANDY MAC DONALD	USA	2006
	31.54	C MILTENBERGER	USA	1998	2:22.21	LINCOLN DJANG	USA	2005	9:27.52	TOD SPIEKER	USA	1998
	31.70	THOMAS PAEHR	GER	2000	2:22.23	DAN STEPHENSON	USA	2002	9:30.93	MIKE SHERRIL	USA	1999
	31.76	MAGNUS FALTMAN	SWE	2004	2:22.65	PAUL SMITH	USA	2005	9:32.38	JIM CLEMMONS	USA	2002
	32.01	JURGEN BRUHN	GER	2001		400 M. I.M.			9:34.00	LARRY KRAUSER	USA	2005
	32.06	A.O'DRISCOLL	GBR	2004	4:50.73	DENNIS BAKER	USA	2006	9:34.33	J.CLAUDE CHATARD	FRA	2004
	100 M. BRST			4:59.83	DJAN MADRUGA	BRA	2004	1500 M. FREE				
1:08.92	RICHARD SCHROEDER	USA	2006	5:00.60	CAMERON REID	USA	2006	17:08.33	JIM MCCONICA	USA	2000	
1:09.38	GLEN CHRISTIANSEN	SWE	2002	5:02.54	SHAWN O'GORMAN	USA	2006	17:40.70	MARK DRENNEN	USA	2006	
1:09.67	DAVID GUTHRIE	USA	2005	5:03.38	ROGER VON JOUANNE	USA	2006	17:52.24	LORENZO MARUGO	ITA	2004	
1:10.23	JON BLANK	USA	2006	5:04.27	MICHAL BARES	CZE	2004	18:04.63	R TOD SPIEKER	USA	1998	
1:10.27	GREGORY OXLEY	USA	2003	5:04.67	LINCOLN DJANG	USA	2004	18:13.47	JIM CLEMMONS	USA	2002	
1:10.77	TIMUR PODMAREV	RUS	2004	5:06.20	KEN SHILLING	USA	2006	18:15.68	LARRY KRAUSER	USA	2005	
1:11.48	A.O'DRISCOLL	GBR	2004	5:06.32	GREGORY DOZER	USA	2002	18:16.92	JOHN HUGHES	USA	2005	



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

18:40.09	STEVEN PRESCOTT	NZL	2004	2:47.07	MARK DRENNEN	USA	2006	26.27	THOMAS WHATLEY	USA	2006
18:41.11	J.CLAUDE CHATARD	FRA	2005	50 M. FLY				26.29	GREG SHAW	USA	2006
18:45.73	NEIL WASSERMAN	USA	2005	26.23	TRIP HEDRICK	USA	2004	26.33	STEVE CLARK	USA	1998
50 M. BACK				27.13	RICHARD ABRAHAMS	USA	1998	26.57	KEEFE LODWIG	USA	1998
29.81	TOM WOLF	USA	2004	27.30	GREG SHAW	USA	2005	100 M. FREE			
29.95	JOHN VAN BUUREN	CAN	2004	27.39	JOHN VAN BUUREN	CAN	2004	57.85	ALEXANDER MILLS	NOR	2006
30.16	ANDRE STEYNBERG	RSA	2006	27.50	RICK ABBOTT	USA	2006	58.07	PAUL TREVISAN	USA	2006
30.36	CASEY CLAFLIN	USA	2003	27.58	PHILIPPE MORELLE	BEL	2006	58.23	RICHARD ABRAHAMS	USA	2002
30.37	GUY HARKER	RSA	2006	27.64	DAVID HAGUE	USA	2004	58.41	TIMOTHY GARTON	USA	1998
30.63	HUGH WILDER	USA	1997	27.69	GARY SCHATZ	USA	2005	58.43	TERRY DOWNES	RSA	2004
30.64	V.GALAVTINE	RUS	2003	27.69	STEVE BOROWSKI	USA	1998	58.43	TOM GEIMAN	USA	2004
30.82	RICK ABBOTT	USA	2006	27.74	KEEFE LODWIG	USA	1996	58.52	KEEFE LODWIG	USA	1998
30.93	JOHN SMITH	USA	1988	27.74	TOM GEIMAN	USA	2003	58.61	GREG SHAW	USA	2006
30.95	JEFFREY PEROUT	USA	2003	100 M. FLY				58.68	LEONARD BIELICZ	SWE	2006
100 M. BACK				59.49	TRIP HEDRICK	USA	2004	58.99	STEVE BOROWSKI	USA	2002
1:04.83	TOM WOLF	USA	2004	1:01.43	JOHN VAN BUUREN	CAN	2004	200 M. FREE			
1:06.36	V.GALAVTINE	RUS	2003	1:01.79	GREG SHAW	USA	2003	2:08.03	JIM MC CONICA	USA	2005
1:06.43	ROBERT SUPPLE	USA	2006	1:01.93	JOHN MCCALL	USA	2003	2:10.11	ALEXANDER MILLS	NOR	2006
1:06.91	JOHN VAN BUUREN	CAN	2004	1:01.94	LAWRENCE DAY	USA	2001	2:10.90	TERRY DOWNES	RSA	2004
1:07.03	JEFFREY LUKENS	USA	2006	1:02.04	SCOTT LAUTMAN	USA	2004	2:11.66	R TOD SPIEKER	USA	2003
1:07.09	RICK ABBOTT	USA	2006	1:02.25	RICHARD ABRAHAMS	USA	1998	2:11.99	TYRONE TOZER	RSA	2005
1:07.16	HUGH WILDER	USA	1997	1:02.73	V.GALAVTINE	RUS	2003	2:12.46	J.CHATARD	FRA	2006
1:07.42	CASEY CLAFLIN	USA	2003	1:02.81	FRED SCHLICHER	USA	1998	2:12.76	GRAHAM CROFT	AUS	2003
1:07.84	RICHARD BOBER	USA	2002	1:02.90	STEVEN WALL	GBR	2006	2:13.64	SVEN VON HOLST	SWE	2004
1:08.09	MARK PUGLIESE	USA	2003	200 M. FLY				2:13.76	GEORGE WATSON	USA	2002
200 M. BACK				2:21.40	SCOTT LAUTMAN	USA	2004	2:14.17	BILL DEVENISH	AUS	2006
2:20.51	TOM WOLF	USA	2004	2:22.29	LAWRENCE DAY	USA	2001	400 M. FREE			
2:25.70	JIM MCCONICA	USA	2000	2:25.14	JIM MC CONICA	USA	2001	4:25.34	JIM MC CONICA	USA	2005
2:26.54	RICK STRINGER	USA	2000	2:26.11	DAVE TANNER	USA	2000	4:37.94	J.CHATARD	FRA	2006
2:27.01	R TOD SPIEKER	USA	1998	2:26.17	BOB GRANER-GALLAS	USA	1997	4:38.81	R TOD SPIEKER	USA	2003
2:27.16	FRED FERROGGIARO	USA	2005	2:26.34	FRED SCHLICHER	USA	1998	4:41.12	GEORGE WATSON	USA	2002
2:27.45	PAUL FETTERS	USA	2003	2:27.03	RICK COLELLA	USA	2001	4:46.13	TODD BRYAN	USA	2006
2:27.85	GARY SCHATZ	USA	2006	2:27.97	PATRICK BERGER	FRA	2006	4:46.85	RON ARMSTRONG	CAN	2006
2:28.69	JEFFREY LUKENS	USA	2006	2:28.83	BART MC DERMOTT	USA	2006	4:46.92	TIM BIRNIE	USA	2000
2:28.85	RICHARD BOBER	USA	2001	2:30.63	JACEK KRAWCZVK	POL	1999	4:46.95	DUNCAN MCCREADIE	GBR	2001
2:29.22	JIM ADAMS	NED	2004	200 M. I.M.				4:47.89	JOHN CALVERT	USA	2001
50 M. BRST				2:23.06	LORENZO MARUGO	ITA	2004	4:47.94	JIM CLEMMONS	USA	2005
31.97	RONNY OLTNER	SWE	2006	2:23.45	RICK COLELLA	USA	2001	800 M. FREE			
32.16	ROBERT STRAND	USA	1998	2:23.86	JACK GROSELLE	USA	2005	9:06.86	JIM MCCONICA	USA	2006
32.20	JACK GROSELLE	USA	2004	2:23.88	TOM WOLF	USA	2004	9:35.87	TODD BRYAN	USA	2006
32.44	DON MC KENZIE	USA	1997	2:24.90	MICHAEL MANN	USA	2006	9:37.49	J.CHATARD	FRA	2006
32.58	TIMOTHY SHEAD	RSA	2002	2:25.77	JIM MCCONICA	USA	2000	9:40.68	R TOD SPIEKER	USA	2003
32.76	NEVILLE BARTON	GBR	2006	2:26.38	TIMOTHY SHEAD	USA	2002	9:43.93	JIM CLEMMONS	USA	2005
32.90	SPENCER ELDRED	USA	2006	2:27.16	SPENCER ELDRED	USA	2006	9:49.03	GEORGE WATSON	USA	2002
33.08	MORIHIRO WADA	JPN	2006	2:27.39	GREG SHAW	USA	2004	9:53.08	RICK WALKER	USA	2006
33.09	RICK COLELLA	USA	2001	2:27.55	SIMON VEALE	GBR	2006	9:58.62	JACK MARTIN	USA	2006
33.10	WALTER KUSCH	GER	2005	400 M. I.M.				10:00.18	D.UITENBOGAART	NED	2002
100 M. BRST				5:03.27	LORENZO MARUGO	ITA	2004	10:03.22	SANDY GALLETLY	GBR	1998
1:11.49	JACK GROSELLE	USA	2004	5:05.82	RICK COLELLA	USA	2001	1500 M. FREE			
1:11.90	ROBERT STRAND	USA	1998	5:07.52	JIM MCCONICA	USA	2002	17:40.10	JIM MC CONICA	USA	2005
1:12.32	DON MC KENZIE	USA	1997	5:10.32	MICHAEL MANN	USA	2006	18:35.85	J.CHATARD	FRA	2006
1:12.50	RICK COLELLA	USA	2001	5:10.94	MARK DRENNEN	USA	2006	18:45.20	RICK WALKER	USA	2005
1:12.94	TIMOTHY SHEAD	RSA	2002	5:17.34	ALEXANDER MILLS	NOR	2004	18:57.38	R TOD SPIEKER	USA	2004
1:13.57	RONNY OLTNER	SWE	2006	5:17.96	LAWRENCE DAY	USA	2001	19:11.76	SANDY GALLETLY	GBR	1998
1:13.62	SPENCER ELDRED	USA	2006	5:20.50	PAUL FETTERS	USA	2003	19:16.02	GEORGE WENDT	USA	2003
1:14.05	THOMAS PAHR	GER	2005	5:20.62	JIM CLEMMONS	USA	2002	19:16.10	VITTORIO ERMIRIO	ITA	2001
1:14.98	A.BATISTSEV	EST	2004	5:20.78	JOHN CALVERT	USA	1996	19:20.84	D.UIJTENBOGAART	NED	2002
1:15.25	JOHN HARKER	GBR	2004	*****				19:27.48	BILL DARBY	USA	2002
200 M. BRST				*****				19:40.64	STEVE JOHNSON	USA	2003
2:35.08	LORENZO MARUGO	ITA	2004	M E N 55-59				50 M. BACK			
2:39.08	RICK COLELLA	USA	2001	*****				30.37	GARY HALL	USA	2006
2:40.57	ROBERT STRAND	USA	1996	50 M. FREE				30.78	HUGH WILDER	USA	2004
2:42.74	SPENCER ELDRED	USA	2006	25.53	RICHARD ABRAHAMS	USA	2002	31.10	KIERAN KELLEHER	ITA	2003
2:42.88	RONNY OLTNER	SWE	2006	25.74	PAUL TREVISAN	USA	2006	31.22	RICHARD BOBER	USA	2006
2:43.15	DAVID WHITE	USA	2006	26.00	LEONARD BIELICZ	SWE	2006	31.52	ROBERT SMITH	USA	1998
2:44.60	TIMOTHY SHEAD	USA	2002	26.04	TERRY DOWNES	RSA	2004	31.71	TIM BIRNIE	USA	2000
2:45.15	STUART CORLISS	USA	2006	26.11	STEVE BOROWSKI	USA	2002	31.94	TOM GEIMAN	USA	2004
2:46.85	G.HOFFMANN	USA	2006	26.15	TOM GEIMAN	USA	2004	31.98	CHARLES WOLFF	USA	2006



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

32.02	RICHARD BURNS	USA	1999	100 M. FLY		1:02.67	CAV CAVANAUGH	USA	1999		
32.04	JIM ADAMS	NED	2006	1:01.05	GREG SHAW	USA	2006	1:02.80	DONALD HILL	USA	1992
100 M. BACK				1:03.24	LEONARD BIELICZ	SWE	2006	200 M. FREE			
1:06.16	GARY HALL	USA	2006	1:03.90	RICHARD ABRAHAMS	USA	2000	2:13.32	JAMES DE LACY	USA	2006
1:07.81	HUGH WILDER	USA	2002	1:04.15	STEVE BOROWSKI	USA	2003	2:15.35	DUNCAN MCCREADIE	FRA	2006
1:08.55	RICHARD BOBER	USA	2006	1:05.16	SHIGEO ASANO	JPN	2004	2:17.43	TOM LANDIS	USA	2002
1:09.27	TIM BIRNIE	USA	2000	1:05.58	ROBERT POILETMAN	USA	2002	2:18.52	RICHARD ABRAHAMS	USA	2006
1:09.61	JIM ADAMS	NED	2006	1:06.31	BERND SCHRODER	GER	1999	2:18.60	JOHN CALVERT	USA	2006
1:10.30	RICHARD BURNS	USA	2001	1:06.38	JOEL BURNS	USA	2001	2:18.68	CHRIS DUNN	GBR	2006
1:10.38	JIM MCCONICA	USA	2006	1:06.63	C.STARZEC	FRA	2005	2:18.84	TIM BIRNIE	USA	2006
1:10.51	CHARLES WOLFF	USA	2006	1:06.65	JOHN CALVERT	USA	2001	2:20.54	JEFF FARRELL	USA	1998
1:10.64	JOHN CALVERT	USA	2000	200 M. FLY		2:20.80	VITTORIO ERMIRIO	ITA	2002		
1:11.04	TERRY DOWNES	RSA	2004	2:25.35	GREG SHAW	USA	2006	2:20.97	JACK GEOGHEGAN	USA	2002
200 M. BACK				2:28.62	JIM MC CONICA	USA	2006	400 M. FREE			
2:25.89	JIM MC CONICA	USA	2005	2:32.29	TAKEO HIRAMOTO	JPN	2005	4:51.23	DUNCAN MCCREADIE	GBR	2005
2:30.82	R TOD SPIEKER	USA	2003	2:33.32	ROBERT POILETMAN	USA	2002	4:54.79	CHRIS DUNN	GBR	2006
2:30.84	TIM BIRNIE	USA	2000	2:34.90	PETER GILMOUR	AUS	1997	4:57.03	SANDY GALLETTY	GBR	2002
2:31.16	JIM ADAMS	NED	2006	2:37.23	DAVE TANNER	USA	2006	4:58.59	VITTORIO ERMIRIO	ITA	2002
2:32.93	JOHN CALVERT	USA	2000	2:37.59	SHIGEO ASANO	JPN	2004	4:59.08	JOHN CALVERT	USA	2006
2:34.85	RICHARD BOBER	USA	2006	2:37.86	JOHN KEYTER	RSA	2006	4:59.09	FABRIZIO MOMONI	ITA	2001
2:36.14	ALEX SHESTAKOV	USA	2006	2:38.38	GABOR CSABA	HUN	2006	5:00.66	MOSHE GERTEL	ISR	2006
2:36.23	TERRY DOWNES	RSA	2004	2:43.05	JIM CLEMMONS	USA	2005	5:01.83	JACK GEOGHEGAN	USA	2002
2:37.14	RICHARD BURNS	USA	1999	200 M. I.M.		5:04.16	TOM LANDIS	USA	2002		
2:37.16	BARRY YOUNG	NZL	1994	2:27.60	GREG SHAW	USA	2006	5:04.45	DRURY GALLAGHER	USA	1999
50 M. BRST				2:27.92	ALEXANDER MILLS	NOR	2006	800 M. FREE			
33.03	ALEXANDER MILLS	NOR	2006	2:29.02	JIM MCCONICA	USA	2005	10:02.40	DUNCAN MCCREADIE	GBR	2005
33.03	HIROSHI KOTEGAWA	JPN	1993	2:30.33	JOHN CALVERT	USA	2000	10:06.75	SANDY GALLETTY	GBR	2002
33.32	ROBERT STRAND	USA	2002	2:32.07	RONALD ARMSTRONG	CAN	2006	10:09.12	JOHN CALVERT	USA	2006
33.37	DONALD MCKENZIE	USA	2002	2:32.96	TIMOTHY GARTON	USA	1998	10:16.84	JAMES MCCLEERY	USA	2006
33.75	PETER ANDERSEN	USA	1999	2:33.23	JIM CLEMMONS	USA	2005	10:26.97	FABRIZIO MOMONI	ITA	2001
34.20	JOHN KORTHEUER	USA	1988	2:33.27	LONNY HARRISON	USA	2003	10:29.35	TOM LANDIS	USA	2002
34.28	YOSHIHIKO OSAKI	JPN	1996	2:34.65	R TOD SPIEKER	USA	2003	10:29.40	DRURY GALLAGHER	USA	1999
34.37	C.STARZEC	FRA	2005	2:34.73	ALLY MacGREGOR	GBR	2001	10:29.47	EDWARD CAZALET	USA	2002
34.42	ALBERT KOSTITSYN	FIN	1999	400 M. I.M.		10:31.40	MOSHE GERTEL	ISR	2006		
34.54	AKIO SUGIYAMA	JPN	1994	5:17.10	JIM MC CONICA	USA	2005	10:34.02	GRAHAM JOHNSTON	USA	1995
100 M. BRST				5:26.63	JOHN CALVERT	USA	2000	1500 M. FREE			
1:14.80	ROBERT STRAND	USA	2001	5:27.57	RONALD ARMSTRONG	CAN	2006	19:25.68	SANDY GALLETTY	GBR	2002
1:15.81	DONALD MCKENZIE	USA	2002	5:30.81	JIM CLEMMONS	USA	2005	19:26.67	DUNCAN MCCREADIE	GBR	2005
1:17.08	ALLEN STARK	USA	2006	5:32.64	ALEX SHESTAKOV	USA	2006	19:40.20	VITTORIO ERMIRIO	ITA	2002
1:17.16	JIM CLEMMONS	USA	2005	5:36.39	WILLIAM GONZALEZ	USA	1997	20:04.73	GRAHAM JOHNSTON	USA	1995
1:17.18	ALBERT KOSTITSYN	FIN	2000	5:36.72	TAKEO HIRAMOTO	JPN	2006	20:07.99	EDWARD CAZALET	USA	2002
1:17.42	C.STARZEC	FRA	2005	5:38.78	TOD SPIEKER	USA	2004	20:20.40	FABRIZIO MOMONI	ITA	2001
1:17.56	BOB HATHERLY	RSA	2006	5:41.81	SANDY GALLETTY	GBR	1998	20:26.33	TOM LANDIS	USA	2005
1:17.87	JOHN KORTHEUER	USA	1988	5:43.33	TIMOTHY GARTON	USA	1998	20:29.43	JOACHIM HINTZE	GER	2002
1:18.05	DANIEL ROGACKI	USA	2002	*****				20:32.74	DAVID HARRISON	USA	1999
1:18.19	MANUEL SANGUILY	USA	1988	*****				20:37.33	JEAN CLAUDE FAURE	FRA	2005
200 M. BRST				M E N 60-64				50 M. BACK			
2:46.31	ROBERT STRAND	USA	2001	*****				32.11	RICHARD BURNS	USA	2003
2:50.44	WILLIAM GONZALEZ	USA	1997	50 M. FREE				32.66	TIM BIRNIE	USA	2006
2:50.48	JIM CLEMMONS	USA	2006	25.23	RICHARD ABRAHAMS	USA	2006	32.76	J.LESTIDEAU	FRA	2006
2:51.10	GERSHON SHEFA	ISR	2001	26.70	JEFF FARRELL	USA	1998	33.00	JOZEF CSIKANY	HUN	2005
2:51.25	TAKEO HIRAMOTO	JPN	2006	26.94	JAMES ELDER	USA	2006	33.01	ROBERT SMITH	USA	2003
2:52.11	ALLEN STARK	USA	2006	27.02	JAMES DE LACY	USA	2006	33.13	YOSHI OYAKAWA	USA	1994
2:52.66	BOB HATHERLY	RSA	2006	27.38	VINUS VAN BAALEN	USA	2006	33.18	JACK GEOGHEGAN	USA	2002
2:52.94	KENNETH FROST	USA	1999	27.60	DAVID QUIGGIN	USA	2004	33.65	RICHARD ALEXANDER	USA	2004
2:54.08	JOHN DERR	USA	2004	27.62	ROBERT SMITH	USA	2003	33.68	JOHN SMITH	USA	1998
2:54.08	TEGZE HARASZTI	USA	1998	27.63	KEEFE LODWIG	USA	2003	33.76	BILL EARLEY	USA	1996
50 M. FLY				27.66	MASAMI TATEISHI	JPN	2000	100 M. BACK			
27.43	RICHARD ABRAHAMS	USA	2002	27.68	PETER ANDERSEN	USA	2003	1:11.89	RICHARD BURNS	USA	2006
27.62	GREG SHAW	USA	2006	100 M. FREE				1:12.62	JOZSEF CSIKANY	HUN	2006
27.80	STEVE BOROWSKI	USA	2003	58.61	RICHARD ABRAHAMS	USA	2005	1:12.90	TIM BIRNIE	USA	2006
28.22	KEEFE LODWIG	USA	1998	59.66	JAMES DE LACY	USA	2006	1:14.23	J.LESTIDEAU	FRA	2006
28.29	GARY HALL	USA	2006	1:00.11	JEFF FARRELL	USA	1998	1:14.38	BARRY YOUNG	NZL	2002
28.42	LEONARD BIELICZ	SWE	2006	1:00.27	DAVID QUIGGIN	USA	2004	1:14.72	YOSHI OYAKAWA	USA	1994
28.62	ALEXANDER MILLS	NOR	2006	1:01.25	KEEFE LODWIG	USA	2003	1:14.75	ALEXANDER KRYUKOV	RUS	2006
28.64	JOEL BURNS	USA	2003	1:02.08	ALAN BROWN	AUS	2006	1:15.36	WOLFRAM HAENSEL	GER	2006
28.68	DON MEHL	USA	2006	1:02.45	TONY STRAHAN	AUS	2002	1:15.59	EDWARD CAZALET	USA	2002
28.68	BERND SCHRODER	GER	1999	1:02.53	CHRIS DUNN	GBR	2006	1:15.66	DON BROWN	USA	1993



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

200 M. BACK	2:45.28 KOJI IWAMOTO JPN 2002	2:29.61 KAZUYA NISHINO JPN 2004
2:39.01 JOHN CALVERT USA 2006	2:46.06 DEREK PARR GBR 2006	400 M. FREE
2:39.50 BARRY YOUNG NZL 2002	2:49.77 JOACHIM HINTZE GER 2003	5:01.81 FABRIZIO MOMONI ITA 2003
2:41.27 RICHARD BURNS USA 2006	2:51.43 BARRY YOUNG NZL 2002	5:03.36 GRAHAM JOHNSTON USA 1996
2:41.51 EDWARD CAZALET USA 2003	2:51.72 J.LESTIDEAU FRA 2006	5:07.62 ROBERTO ALBERICHE ESP 1996
2:41.87 TIM BIRNIE USA 2006	2:52.73 GUNTER SCHOPKE GER 2000	5:15.39 RAYMOND STOKES GBR 2004
2:43.29 JOZSEF CSIKANY HUN 2006	2:53.03 VICTOR PAUL AUS 2006	5:17.62 DAVID HARRISON USA 2003
2:44.80 DONALD MCINTOSH USA 2004	2:53.53 DRURY GALLAGHER USA 1999	5:20.20 DICK STEWART USA 2006
2:45.78 LUCIEN GAUCHE FRA 2002	2:54.72 RICHARD KITCHELL USA 2002	5:21.37 WERNER SCHNABEL GER 2001
2:45.93 DON BROWN USA 1993	200 M. I.M.	5:21.75 JOHN CRISP AUS 2004
2:47.10 JAMES KING USA 2006	2:36.07 JOHN CALVERT USA 2006	5:23.97 MASATO YOSHINO JPN 2005
50 M. BRST	2:40.00 DUNCAN MCCREADIE GBR 2005	5:24.01 ERNIE LESKOVITZ USA 2001
34.04 ROBERT STRAND USA 2006	2:40.63 ROBERT STRAND USA 2006	800 M. FREE
34.42 PETER ANDERSEN USA 2003	2:40.95 EDWARD CAZALET USA 2003	10:26.60 FABRIZIO MOMONI ITA 2003
34.59 AKIO SUGIYAMA JPN 1995	2:41.47 GERSHON SHEFA ISR 2006	10:29.26 GRAHAM JOHNSTON USA 1997
34.68 HIROSHI KOTEGAWA JPN 1995	2:41.71 DRURY GALLAGHER USA 1999	10:50.84 DAVID HARRISON USA 2002
34.70 JOZEF KLUKOWSKI POL 2006	2:42.09 WILLIAM MUTER USA 2004	11:06.06 RAYMOND STOKES GBR 2004
35.03 YOSHIHIKO OSAKI JPN 2000	2:42.36 JURGEN ALTENHOFEN GER 2004	11:15.34 GAYLORD HOPKINS USA 2006
35.15 DIETER HOFEL GER 2005	2:43.81 BARRY YOUNG NZL 1999	11:15.47 JOHN CRISP AUS 2004
35.16 KENNETH FROST USA 2006	2:44.94 PAUL WYATT AUS 2006	11:15.77 ERNIE LESKOVITZ USA 2004
35.26 ALBERT KOSTITSYN FIN 2002	400 M. I.M.	11:21.66 WALLIE JEFFRIES USA 1996
35.28 DIETER HOEFEL GER 2006	5:41.07 JOHN CALVERT USA 2006	11:22.69 NIC GEERS NED 2003
100 M. BRST	5:46.05 DUNCAN MCCREADIE GBR 2005	11:23.95 MARTY MENNEN USA 2003
1:16.38 ROBERT STRAND USA 2006	5:46.59 GIAMPIERO FOSSATI ITA 2004	1500 M. FREE
1:17.89 KENNETH FROST USA 2006	5:47.21 GERSHON SHEFA ISR 2006	20:08.74 FABRIZIO MOMONI ITA 2004
1:18.28 ALBERT KOSTITSYN FIN 2002	5:49.43 EDWARD CAZALET USA 2002	20:16.54 GRAHAM JOHNSTON USA 1996
1:18.63 PETER ANDERSEN USA 2003	5:50.40 BARRY YOUNG NZL 2002	21:00.77 DAVID HARRISON USA 2003
1:19.82 DRURY GALLAGHER USA 1999	5:52.75 JURGEN ALTENHOFEN GER 2004	21:12.01 RAYMOND STOKES GBR 2004
1:20.53 DAVID GILDEA USA 2003	5:53.93 SANDY GALLETLY GBR 2002	21:38.90 JOHN CRISP AUS 2004
1:20.56 THOMAS WALKER GBR 1996	5:57.69 VICTOR PAUL AUS 2006	21:46.68 WERNER SCHNABEL GER 2001
1:20.82 DIETER HOEFEL GER 2006	5:57.77 ALLAN CARTWRIGHT USA 2002	21:49.12 ERNIE LESKOVITZ USA 2004
1:21.10 JOZEF KLUKOWSKI POL 2006	*****	21:51.84 DAVID RADCLIFF USA 2002
1:21.52 SEIKO OKAZAKI JPN 2006	M E N 65-69	21:54.85 GAYLORD HOPKINS USA 2006
200 M. BRST	*****	21:59.53 FRANK WILLIAMS USA 2005
2:51.93 ROBERT STRAND USA 2006	50 M. FREE	50 M. BACK
2:55.26 GERSHON SHEFA ISR 2004	27.15 JEFF FARRELL USA 2002	33.54 YOSHI OYAKAWA USA 1999
2:55.49 KENNETH FROST USA 2006	27.95 IAN SMITH CAN 2006	34.17 LUIZ FIGUEIREDO BRA 2006
2:58.37 THOMAS WALKER GBR 1996	28.04 RONALD JOHNSON USA 1998	34.69 FRANS VAN ENST NED 2005
2:58.78 DRURY GALLAGHER USA 1999	28.21 BOB BAILIE USA 2001	34.70 MIKLOS KOVATS HUN 2006
2:58.92 MICHAEL MOLONEY AUS 2002	28.29 CAV CAVANAUGH USA 2001	34.96 MASAO KIJIMA JPN 2006
2:58.94 JURGEN ALTENHOFEN GER 2004	28.51 PETER BERGENGREN SWE 2003	35.13 S.SEKIKAWA JPN 1998
3:00.35 ALBERT KOSTITSYN FIN 2002	28.58 TOSHIHIRO HAYASHI JPN 2002	35.16 JEFF FARRELL USA 2002
3:00.54 DAVID GILDEA USA 2004	28.61 DIETER SEIFERT GER 2004	35.22 JOHN SMITH USA 2003
3:01.15 PETER ANDERSEN USA 2003	28.69 LUIZ FIGUEIREDO BRA 2006	35.36 RONALD JOHNSON USA 1998
50 M. FLY	28.78 GEORGES KOESSLER FRA 2006	35.47 GEORGE GANDSEY USA 1989
27.92 RICHARD ABRAHAMS USA 2005	28.78 ROBERTO ALBERICHE ESP 1996	100 M. BACK
28.97 JIM DRAGON USA 2006	100 M. FREE	1:15.69 LUIZ FIGUEIREDO BRA 2006
29.22 JOSEF CLARET ESP 2004	1:02.79 JEFF FARRELL USA 2002	1:16.78 YOSHI OYAKAWA USA 1999
29.23 KEEFE LODWIG USA 2003	1:02.93 CAV CAVANAUGH USA 2001	1:17.23 BARRY YOUNG NZL 2006
29.35 JAMES DE LACY USA 2006	1:03.39 ROBERTO ALBERICHE ESP 1996	1:17.36 MIKLOS KOVATS HUN 2005
29.69 JOEL BURNS USA 2006	1:04.47 MASATO YOSHINO JPN 2004	1:18.41 TEGZE HARASZTI USA 2006
29.82 CHITOSHI KONISHI JPN 2000	1:04.54 PETER BERGENGREN SWE 2003	1:18.71 S.SEKIKAWA JPN 1998
29.83 C MUTER USA 2002	1:04.62 JERRY CLARK USA 2002	1:19.35 JOHN SMITH USA 2003
29.84 ALEXANDER KRYUKOV RUS 2006	1:05.09 GRAHAM JOHNSTON USA 1997	1:20.07 GUNTER SCHOPKE GER 2005
29.89 ROBERT POILETMAN USA 2003	1:05.09 RONALD JOHNSON USA 1999	1:20.35 DONALD BROWN USA 1999
100 M. FLY	1:05.31 TOSHIHIRO HAYASHI JPN 2002	1:20.62 BOB BARRY AUS 1996
1:03.03 RICHARD ABRAHAMS USA 2005	1:05.69 FABRIZIO MOMONI ITA 2003	200 M. BACK
1:06.63 ROBERT POILETMAN USA 2003	200 M. FREE	2:50.44 MIKLOS KOVATS HUN 2005
1:08.42 JOSEF CLARET ESP 2005	2:21.74 ROBERTO ALBERICHE ESP 1996	2:51.19 S.SEKIKAWA JPN 1998
1:09.11 JAMES DE LACY USA 2006	2:22.18 GRAHAM JOHNSTON USA 1996	2:52.34 LUIZ FIGUEIREDO BRA 2006
1:09.37 J.LESTIDEAU FRA 2006	2:22.90 JEFF FARRELL USA 2002	2:53.42 BOB BARRY AUS 1996
1:09.80 KOJI IWAMOTO JPN 2000	2:23.84 CAV CAVANAUGH USA 2001	2:54.10 TEGZE HARASZTI USA 2006
1:10.64 DEREK PARR GBR 2004	2:24.45 FABRIZIO MOMONI ITA 2003	2:55.46 ROGER FRANKS USA 1992
1:10.82 JOEL BURNS USA 2006	2:26.63 MASATO YOSHINO JPN 2004	2:56.23 IMRE NYEKI HUN 1994
1:10.85 CHITOSHI KONISHI JPN 2000	2:27.18 RAYMOND STOKES GBR 2004	2:56.36 DONALD BROWN USA 1998
1:10.88 C. WILLIAM MUTER USA 2002	2:27.51 DAVID HARRISON USA 2003	2:57.38 GUNTER SCHOPKE GER 2005
200 M. FLY	2:28.12 JERRY CLARK USA 2002	2:57.51 KARL DONOGHUE CAN 2005
2:33.72 ROBERT POILETMAN USA 2003		50 M. BRST



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

35.56	YOSHIHIKO OSAKI	JPN	2004	2:50.18	RONALD JOHNSON	USA	1998	10:45.92	GRAHAM JOHNSTON	USA	2002
36.35	HIROSHI KOTEGAWA	JPN	2001	2:51.09	GRAHAM JOHNSTON	USA	1997	10:49.02	DAVID RADCLIFF	USA	2006
36.42	MANUEL SANGUILY	USA	1998	2:51.18	JEFF FARRELL	USA	2002	11:19.41	JOHN CRISP	AUS	2005
36.75	RONALD JOHNSON	USA	1998	2:52.65	TEGZE HARASZTI	USA	2006	11:19.55	BURWELL JONES	USA	2005
36.90	ROLF TUTEPASTELL	GER	2001	2:52.66	MIKE FRESHLEY	USA	2006	11:25.71	ERNIE LESKOVITZ	USA	2006
37.16	STANLEY CLARKE	GBR	2003	2:53.19	MURRAY MC LACHLAN	USA	2006	11:33.11	WERNER SCHNABEL	GER	2006
37.32	JOHN KORTHEUER	USA	1997	2:54.70	MASAO KIJIMA	JPN	2006	11:59.59	WALLIE JEFFRIES	USA	2002
37.36	EGON HENNINGER	GER	2005	2:55.24	LAJOS VAGUJHELYI	HUN	2004	12:02.81	GERHARD HOLE	GER	2005
37.38	NICK TEMPLEMAN	CAN	1996	400 M.	I. M.			12:03.73	FRANK PIEMME	USA	1995
37.41	AKIO SUGIYAMA	JPN	2000	5:52.79	BARRY YOUNG	NZL	2004	12:06.30	WILLIAM PHILLIPS	USA	1998
100 M.	BRST			6:05.15	ROBERTO ALBERICHE	ESP	1996	1500 M.	FREE		
1:23.88	THOMAS WALKER	GBR	2002	6:08.44	GRAHAM JOHNSTON	USA	1996	20:36.56	GRAHAM JOHNSTON	USA	2001
1:23.89	YOSHIAKI AOKI	JPN	2005	6:11.78	MIKE FRESHLEY	USA	2006	21:49.74	WERNER SCHNABEL	GER	2006
1:24.07	TONY GOODWIN	AUS	2002	6:19.25	MASAO KIJIMA	JPN	2006	21:53.77	BURWELL JONES	USA	2005
1:24.08	BELA FABIAN	HUN	2002	6:20.74	TEGZE HARASZTI	USA	2006	21:54.29	DAVID RADCLIFF	USA	2005
1:24.16	MANUEL SANGUILY	USA	1998	6:24.39	DAVID MCLACHLAN	RSA	2002	22:01.12	JOHN CRISP	AUS	2005
1:24.79	BOB PATTEN	USA	1999	6:25.02	CHARLES MOSS	USA	1993	22:44.64	ERNIE LESKOVITZ	USA	2006
1:25.29	EGON HENNINGER	GER	2005	6:26.16	MURRAY MC LACHLAN	USA	2006	22:47.77	GEORGE BRUNSTAD	USA	2004
1:25.44	TETSUO NAKAMARU	JPN	2003	6:27.64	LAJOS VAGUJHELYI	HUN	2004	22:53.43	GERHARD HOLE	GER	2005
1:25.46	RONALD JOHNSON	USA	1998					22:59.14	ROGER FRANKS	USA	1998
1:25.69	MASARU SHINKAI	JPN	2005	*****				23:03.23	FRANK PIEMME	USA	1995
200 M.	BRST				M E N 70-74			50 M.	BACK		
3:02.13	MICHAEL MOLONEY	AUS	2004	*****				35.31	YOSHI OYAKAWA	USA	2003
3:04.10	YOSHIAKI AOKI	JPN	2005	50 M.	FREE			35.83	S.SEKIKAWA	JPN	2003
3:06.08	THOMAS WALKER	GBR	2002	28.46	WOLFRAM GOTTFRIED	GER	2004	37.10	PAUL HUTINGER	USA	1995
3:07.92	MIKE FRESHLEY	USA	2006	28.65	CAV CAVANAUGH	USA	2005	37.12	KEIJIROU NAKAMURA	JPN	1995
3:09.55	HANS REICHEL	GER	2003	28.66	RONALD JOHNSON	USA	2001	37.13	BURWELL JONES	USA	2003
3:09.75	TONY GOODWIN	AUS	2002	28.94	B.SCHLURIKE	GER	1991	37.21	RONALD JOHNSON	USA	2001
3:10.23	RONALD JOHNSON	USA	1998	29.43	DONALD HILL	USA	2002	37.48	CLIFF WARD	GBR	2002
3:10.76	CHRISTIAN THIESS	AUS	2005	29.68	SHINGO YAMAMOTO	JPN	2002	37.49	RAY TAFT	USA	1989
3:12.38	MASARU SHINKAI	JPN	2006	29.90	BOB BAILIE	USA	2005	37.88	CLARKE MITCHELL	USA	2002
3:12.39	BOB PATTEN	USA	2000	29.92	CHUCK BALDWIN	USA	2000	38.03	VINCENT MILLER	ESP	2005
50 M.	FLY			30.19	TAKAHIKO NOMA	JPN	1998	100 M.	BACK		
30.33	TOMOYASU IIDA	JPN	2006	30.26	DAVID RADCLIFF	USA	2004	1:19.12	YOSHI OYAKAWA	USA	2004
30.81	RONALD JOHNSON	USA	1998	100 M.	FREE			1:19.14	BURWELL JONES	USA	2003
31.08	GEORGES KOESSLER	FRA	2006	1:05.40	CAV CAVANAUGH	USA	2005	1:20.93	S.SEKIKAWA	JPN	2003
31.12	AKIRA TAKAKURA	JPN	2006	1:05.81	WOLFRAM GOTTFRIED	GER	2002	1:23.83	MAMPEI SEINO	JPN	2002
31.15	BOB BAILIE	USA	2001	1:06.18	RONALD JOHNSON	USA	2001	1:24.14	PAUL HUTINGER	USA	1995
31.41	BERT PETERSEN	USA	2003	1:06.47	DAVID RADCLIFF	USA	2005	1:24.49	ROGER FRANKS	USA	1997
31.62	HIROSHI MATSUMOTO	JPN	2001	1:07.36	GRAHAM JOHNSTON	USA	2001	1:24.55	CLARKE MITCHELL	USA	2006
31.63	IAN SMITH	CAN	2006	1:08.27	CHUCK BALDWIN	USA	2000	1:24.82	MARTY MENNEN	USA	2006
31.70	CHITOSHI KONISHI	JPN	2005	1:08.31	DONALD HILL	USA	2002	1:24.84	KEIJIROU NAKAMURA	JPN	1994
31.82	ISAO NAKAJIMA	JPN	2006	1:08.55	SHINGO YAMAMOTO	JPN	2002	1:25.24	RUDI SCHWIND	GER	2002
100 M.	FLY			1:08.57	BURWELL JONES	USA	2003	200 M.	BACK		
1:12.78	BARRY YOUNG	NZL	2004	1:09.15	BOB BAILIE	USA	2005	2:55.19	BURWELL JONES	USA	2005
1:12.93	TOMOYASU IIDA	JPN	2006	200 M.	FREE			2:58.62	S.SEKIKAWA	JPN	2003
1:13.19	AKIRA TAKAKURA	JPN	2006	2:27.27	DAVID RADCLIFF	USA	2006	2:58.88	MARTY MENNEN	USA	2006
1:13.70	CHITOSHI KONISHI	JPN	2005	2:28.37	CAV CAVANAUGH	USA	2005	3:01.26	YOSHI OYAKAWA	USA	2003
1:15.42	DICK STEWART	USA	2005	2:29.45	GRAHAM JOHNSTON	USA	2001	3:04.17	MAMPEI SEINO	JPN	2003
1:15.69	RONALD JOHNSON	MEX	1999	2:32.49	JOHN CRISP	AUS	2005	3:04.30	BOB BARRY	AUS	2002
1:15.87	GUNTER SCHOPKE	GER	2005	2:32.94	WERNER SCHNABEL	GER	2006	3:04.42	ROGER FRANKS	USA	1997
1:16.28	S.HASEGAWA	JPN	2006	2:33.16	BURWELL JONES	USA	2005	3:05.24	TOM WALKER	GBR	2003
1:16.72	RICHARD KITCHELL	USA	2006	2:36.33	DON HILL	USA	2002	3:07.59	GERHARD HOLE	GER	2005
1:16.80	TAISUKE MIYAZAKI	JPN	2004	2:37.00	WILLIAM PHILLIPS	USA	1998	3:10.07	KEIJIROU NAKAMURA	JPN	1995
200 M.	FLY			2:37.60	EROS STELLA	ITA	2002	50 M.	BRST		
2:56.00	GUNTER SCHOPKE	GER	2005	2:38.43	FRANK PIEMME	USA	1996	37.93	AKIO SUGIYAMA	JPN	2004
2:57.05	RICHARD KITCHELL	USA	2005	400 M.	FREE			37.96	CHARLES BALDWIN	USA	2000
3:01.71	TAISUKE MIYAZAKI	JPN	2004	5:12.05	GRAHAM JOHNSTON	USA	2001	37.98	JOHN KORTHEUER	USA	2001
3:03.05	DAVID MCLACHLAN	RSA	2002	5:18.48	DAVID RADCLIFF	USA	2006	38.28	HIROFUMI HOSOTANI	JPN	2005
3:05.49	DAVID CUMMING	GBR	2003	5:24.85	JOHN CRISP	AUS	2006	38.29	MANUEL SANGUILY	USA	2003
3:05.89	LUIS R. SIMI	BRA	2002	5:25.70	WERNER SCHNABEL	GER	2006	38.57	PETER BELL	CAN	2005
3:08.79	JOSEPH KURTZMAN	USA	1991	5:28.64	BURWELL JONES	USA	2005	38.68	HANS REICHEL	GER	2006
3:10.61	CHARLES MOSS	USA	1994	5:29.24	CAV CAVANAUGH	USA	2005	38.94	HARTMUT LEMCKE	GER	2005
3:11.12	WILLIAM LETCH	GBR	2006	5:40.18	ERNIE LESKOVITZ	USA	2006	39.15	TOSHIO TAJIMA	JPN	1995
3:11.72	LEN GOLDSTONE	USA	1995	5:40.41	WILLIAM PHILLIPS	USA	1998	39.22	BELA SANDOR	USA	2005
200 M.	I. M.			5:46.34	JAMES ZURCHER	USA	2006	100 M.	BRST		
2:45.17	BARRY YOUNG	NZL	2004	5:48.08	FRANK PIEMME	USA	1995	1:26.41	TETSUO NAKAMARU	JPN	2005
2:49.71	ROBERTO ALBERICHE	ESP	1996	800 M.	FREE			1:26.70	THOMAS WALKER	GBR	2005





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

3:38.76	ERICH NEUMANN	GER	2005	33.12	KEIJIRO NAKAMURA	JPN	2004	42.71	MASAKI INABA	JPN	2006
3:39.68	ESKO SALONEN	FIN	2001	33.88	WOODY BOWERSOCK	USA	1993	42.96	GORO KOBAYASHI	JPN	1998
3:40.00	FRANK PIEMME	USA	2000	34.03	SHOICHI SAKOMOTO	JPN	1998	43.10	DALE WEBSTER	USA	2006
3:42.85	ALDO DA ROSA	USA	1994	34.11	SADAYUKI WAKAI	JPN	2003	43.15	TOSHIJI SATO	JPN	1995
3:43.18	SIEGFRIED PANKOW	GER	1996	34.23	MAX VAN GELDER	NED	2004	43.34	MAX VAN GELDER	NED	2004
3:43.35	BARTON GREENBERG	USA	1999	34.24	ROGER HALIMI	FRA	2004	44.53	GORO TANIGUCHI	JPN	2002
50 M. FLY				34.39	DALE WEBSTER	USA	2006	100 M. BACK			
35.66	FRANK PIEMME	USA	2000	34.60	HIDEAKI KATO	JPN	2001	1:26.97	KEIJIRO NAKAMURA	JPN	2003
36.06	ASHLEY JONES	USA	2006	100 M. FREE				1:35.36	RAYMOND TAFT	USA	1999
37.57	RAYMOND TAFT	USA	1994	1:17.11	KEIJIRO NAKAMURA	JPN	2003	1:35.42	PAUL HUTINGER	USA	2004
38.51	CHARLES BALDWIN	USA	2005	1:17.85	KELLEY LEMMON	PUR	1993	1:36.95	GORO KOBAYASHI	JPN	1998
38.61	TOSHIO TAJIMA	JPN	2000	1:17.96	SHOICHI SHIDA	JPN	2006	1:38.13	DALE WEBSTER	USA	2006
38.95	ROBERT PFERSDORFF	GER	1999	1:18.77	FRANK PIEMME	USA	2005	1:38.34	JAN ZIEGLER	CZE	2005
39.02	ANDREW HOLDEN	USA	1995	1:19.28	HIKOJI UEKI	JPN	1995	1:38.34	SHOICHI SAKOMOTO	JPN	1998
39.13	SUEO YAMAGUCHI	JPN	2004	1:19.97	DALE WEBSTER	USA	2006	1:39.11	TOSHIJI SATO	JPN	1996
39.37	ROYSION ROMAIN	GBR	1993	1:20.27	HIDEAKI KATO	JPN	2001	1:39.21	HIKOJI UEKI	JPN	1996
39.49	CURT ZEISS	GER	2006	1:21.12	ANDREW HOLDEN	USA	1999	1:40.79	H.MIYAZAKI	JPN	2000
100 M. FLY				1:21.86	MAX VAN GELDER	NED	2004	200 M. BACK			
1:35.81	FRANK PIEMME	USA	2000	1:22.47	JOHN FLORANCE	USA	2002	3:16.82	KEIJIRO NAKAMURA	JPN	2004
1:37.03	ROBERT PFERSDORFF	GER	1999	200 M. FREE				3:30.76	PAUL HUTINGER	USA	2004
1:37.95	KARL HAUTER	GER	2002	3:03.45	HIKOJI UEKI	JPN	1995	3:31.36	RAYMOND TAFT	USA	1999
1:38.09	TOSHIMASA MINAMI	JPN	2005	3:04.65	FRANK PIEMME	USA	2005	3:33.41	JAN ZIEGLER	CZE	2005
1:38.28	WINTHROP WILSON	USA	2002	3:05.01	KEVIN VICKERY	AUS	2003	3:40.07	TOSHIJI SATO	JPN	1996
1:38.81	ROBERT MACDONALD	USA	2004	3:07.53	KARL HAUTER	GER	2006	3:41.53	G.SHIMOMOTO	JPN	2006
1:39.22	MAURICE LUSIEN	FRA	2002	3:09.70	RAYMOND TAFT	USA	1999	3:42.35	GORO KOBAYASHI	JPN	1998
1:39.54	SILVANO DANIELI	ITA	2003	3:09.91	ALDO DA ROSA	USA	1998	3:42.95	EDWARD SHEA	USA	1995
1:39.80	ANTON M. CERER	USA	1992	3:10.31	HIDEAKI KATO	JPN	2001	3:43.67	KARL HAUTER	GER	2006
1:40.33	MINORU NAGASHIMA	JPN	2002	3:10.82	JIRO KOBAYASHI	JPN	2005	3:44.70	C.SCHERER	GER	1994
200 M. FLY				3:11.36	JURGEN SCHMIDT	USA	2003	50 M. BRST			
3:34.30	MAURICE LUSIEN	FRA	2001	3:11.96	HIROSHI IMAIZUMI	JPN	2005	41.68	TOSHIO TAJIMA	JPN	2006
3:35.90	KARL HAUTER	GER	2001	400 M. FREE				43.62	Y.MIYAMOTO	JPN	1998
3:43.56	ANTON M. CERER	USA	1992	6:36.12	FRANK PIEMME	USA	2005	44.99	HORST FRITSCHE	GER	2006
3:45.15	THOMAS MAINE	USA	2004	6:39.26	KEVIN VICKERY	AUS	2003	45.38	KARL HAUTER	GER	2005
3:45.86	JAN ZIEGLER	CZE	2001	6:40.63	HIKOJI UEKI	JPN	1995	45.45	MAX VAN GELDER	NED	2004
3:50.24	MINORU NAGASHIMA	JPN	2001	6:42.86	RAYMOND TAFT	USA	1999	45.45	HIROMU YOSHIMOTO	JPN	1995
3:50.95	LEN GOLDSTONE	USA	2004	6:43.99	JAN ZIEGLER	CZE	2006	46.09	BARTON GREENBERG	USA	2004
3:53.34	MANFRED BICKEL	GER	2006	6:46.59	KARL HAUTER	GER	2006	46.32	YOSHINORI KAWABAT	JPN	2005
3:54.53	TOSHIMASA MINAMI	JPN	2005	6:49.80	DOMEI SUZUKI	JPN	2000	46.37	MAX VON ISSER	USA	1999
3:55.96	SILVANO DANIELI	ITA	2002	6:54.60	NORBERT ARTUS	CAN	1994	46.39	WATARU ASAOKA	JPN	2005
200 M. I.M.				6:56.82	JURGEN SCHMIDT	USA	2005	100 M. BRST			
3:13.53	GRAHAM JOHNSTON	USA	2006	6:58.09	HIDEAKI KATO	JPN	2001	1:41.02	TOSHIO TAJIMA	JPN	2005
3:18.35	FRANK PIEMME	USA	2000	800 M. FREE				1:43.16	JAN ZIEGLER	CZE	2005
3:20.61	KARL HAUTER	GER	2000	13:50.05	NORBERT ARTUS	CAN	1994	1:45.24	Y.MIYAMOTO	JPN	1997
3:24.38	RAY TAFT	USA	1995	14:06.39	KARL HAUTER	GER	2006	1:45.54	FRANK PIEMME	USA	2005
3:24.40	JAN ZIEGLER	CZE	2001	14:07.10	JAN ZIEGLER	CZE	2005	1:45.99	MAX VON ISSER	USA	1999
3:25.60	BOB BARRY	AUS	2006	14:12.89	FRANK PIEMME	USA	2005	1:46.64	KARL HAUTER	GER	2005
3:26.15	ASHLEY JONES	USA	2006	14:14.53	KEVIN VICKERY	AUS	2003	1:46.92	HIROMU YOSHIMOTO	JPN	1995
3:26.54	DUANE DRAVES	USA	2001	14:19.22	RAYMOND TAFT	USA	1999	1:47.02	BARTON GREENBURG	USA	2005
3:30.50	KELLEY LEMMON	USA	1987	14:19.89	JURGEN SCHMIDT	USA	2005	1:47.10	ALDO DA ROSA	USA	1998
3:30.92	HORACE KNOWLTON	USA	2005	14:20.95	HIROSHI IMAIZUMI	JPN	2005	1:47.25	MAX VAN GELDER	NED	2004
400 M. I.M.				14:36.05	DOMEI SUZUKI	JPN	2000	200 M. BRST			
7:17.61	GRAHAM JOHNSTON	USA	2006	14:55.78	HORST FRITSCHE	GER	2006	3:47.98	KARL HAUTER	GER	2005
7:18.01	KARL HAUTER	GER	2001	1500 M. FREE				3:53.23	JAN ZIEGLER	CZE	2005
7:21.75	RAYMOND TAFT	USA	1995	26:52.76	FRANK PIEMME	USA	2005	3:55.20	AUGUSTO ROMANO	ITA	1998
7:25.65	JAN ZIEGLER	CZE	2000	26:52.93	RAYMOND TAFT	USA	1999	3:58.31	ISAO FUNAMOTO	JPN	2002
7:28.11	ASHLEY JONES	USA	2006	27:09.47	HIROSHI IMAIZUMI	JPN	2005	3:58.49	MAX VAN GELDER	NED	2004
7:32.92	ALDO DA ROSA	USA	1994	27:14.31	JURGEN SCHMIDT	USA	2003	3:59.36	THOMAS MAINE	USA	2006
7:33.32	ANTON M. CERER	USA	1992	27:14.65	KARL HAUTER	GER	2006	3:59.90	Y.MIYAMOTO	JPN	1997
7:33.49	FRANK PIEMME	USA	2001	27:22.43	JAN ZIEGLER	CZE	2006	4:00.64	ALDO DA ROSA	USA	1998
7:37.91	LELAND ARTH	USA	2000	28:09.66	HORST FRITSCHE	GER	2006	4:00.73	ANTON CERER	USA	1996
7:41.10	BIRCH DAVIDSON	USA	1994	28:13.09	ALDO DA ROSA	USA	1998	4:02.12	JOHANN MORSCHER	AUT	1996
*****				28:24.37	HIDEAKI KATO	JPN	2001	50 M. FLY			
				28:43.45	SHIGEMASA OKAJIMA	JPN	2001	40.65	FRANK PIEMME	USA	2005
				50 M. BACK				40.95	TOSHIO TAJIMA	JPN	2005
				38.41	KEIJIRO NAKAMURA	JPN	2003	41.36	MAX VAN GELDER	NED	2004
				40.71	SHOICHI SAKOMOTO	JPN	1998	41.89	ANDREW HOLDEN	USA	1999
				41.40	PAUL HUTINGER	USA	2004	42.22	Y.MIYAMOTO	JPN	1998
				42.49	RAYMOND TAFT	USA	1999	42.89	RAYMOND TAFT	USA	1999
50 M. FREE											
32.73	B.SCHLURIKE	GER	2002								
33.09	FRANK PIEMME	USA	2005								



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

43.54	MAX VON ISSER	USA	1999	1:31.70	GOUGH WILLIAMS	AUS	2001	1:53.67	R.REINSTADTLER	GER	1997
43.80	JAN ZIEGLER	CZE	2006	1:34.42	TOKUSHI KOMEDA	JPN	1999	1:53.83	BELA BANKI	HUN	2006
45.78	HORST FRITSCHKE	GER	2006	1:35.84	ARTHUR THOMAS	AUS	2002	1:54.15	BELA B.HORVATH	HUN	2005
46.51	KAKUICHI YANAGAWA	JPN	2001	1:36.11	R.REINSTADTLER	GER	1997	1:54.68	H.REITEMEYER	GER	2006
100 M.	FLY			1:36.17	ISAMU TAMURA	JPN	2004	200 M.	BACK		
1:45.50	THOMAS MAINE	USA	2006	1:36.32	SABURO IWASAKI	JPN	2001	3:41.06	GORO KOBAYASHI	JPN	2002
1:45.53	JAN ZIEGLER	CZE	2006	200 M.	FREE			3:48.38	TOSHIJI SATO	JPN	2000
1:46.11	FRANK PIEMME	USA	2005	3:13.78	HIKOJI UEKI	JPN	2000	4:07.72	ALDO DA ROSA	USA	2002
1:47.86	KARL HAUTER	GER	2005	3:17.30	JIM EUBANK	USA	2001	4:08.30	BELA BANKI	HUN	2006
1:47.88	ANDREW HOLDEN	USA	1999	3:19.10	GORO KOBAYASHI	JPN	2002	4:09.97	NILS FERM	SWE	2002
1:49.38	MAX VAN GELDER	NED	2004	3:34.20	TOKUSHI KOMEDA	JPN	1999	4:10.68	R.REINSTADTLER	GER	2000
1:52.37	ANTON CERER	USA	1996	3:35.73	ALDO DA ROSA	USA	2002	4:12.93	RYUJI FUJIKAWA	JPN	2002
1:57.47	MINORU NAGASHIMA	JPN	2006	3:36.12	GOUGH WILLIAMS	AUS	2001	4:13.02	ARTHUR THOMAS	AUS	2002
1:58.01	ALDO DA ROSA	USA	1998	3:39.43	SHIGEMASA OKAJIMA	JPN	2006	4:15.72	C.SCHERER	GER	2000
1:58.76	KAKUICHI YANAGAWA	JPN	2001	3:40.38	HIROSHI SAIGO	JPN	1999	4:16.14	HIROMICHI MIYAZAKI	JPN	2005
200 M.	FLY			3:42.11	SABURO IWASAKI	JPN	2001	50 M.	BRST		
3:54.51	THOMAS MAINE	USA	2006	3:45.35	WOODROW BOWERSOCK	USA	1998	46.23	Y.MIYAMOTO	JPN	2002
4:03.00	JAN ZIEGLER	CZE	2005	400 M.	FREE			49.46	HIROMU YOSHIMOTO	JPN	2000
4:11.09	ANTON CERER	USA	1998	7:05.53	HIKOJI UEKI	JPN	2000	49.90	SEIJI TAKAHASHI	JPN	2000
4:11.48	KARL HAUTER	GER	2006	7:12.16	JIM EUBANK	USA	2001	50.74	PAUL KRUP	USA	2002
4:29.09	HIRONARI UEDA	JPN	2002	7:44.04	TOKUSHI KOMEDA	JPN	1999	51.42	H.REITEMEYER	GER	2006
4:31.05	LEE ARTH	USA	2006	7:55.43	HAROLD DODD	GBR	2004	51.52	KARL WITTENBERG	GER	1995
4:31.44	ALDO DA ROSA	USA	1998	7:59.07	ALDO DAROSA	USA	2003	52.32	ALFRED SCHULHOF	CAN	2005
4:31.96	WALTER PFEIFFER	USA	1994	7:59.28	SABURO IWASAKI	JPN	2001	52.39	ALDO DAROSA	USA	2003
4:41.28	PAUL KRUP	USA	1998	8:02.49	NILS FERM	SWE	2002	53.14	WALTER MINNICH	GER	2004
4:47.45	DON MCCULLOUGH	USA	1996	8:12.53	DICK GUIDO	USA	2004	53.22	LUDWIG GEBURZI	GER	2006
200 M.	I.M.			8:12.57	SHIGEMASA OKAJIMA	JPN	2006	100 M.	BRST		
3:32.82	JAN ZIEGLER	CZE	2005	8:12.59	ARTHUR THOMAS	AUS	2002	1:53.70	HIROMU YOSHIMOTO	JPN	2000
3:34.94	FRANK PIEMME	USA	2005	800 M.	FREE			1:54.19	Y.MIYAMOTO	JPN	2002
3:35.20	KARL HAUTER	GER	2006	15:24.45	JIM EUBANK	USA	2001	1:56.64	H.REITEMEYER	GER	2006
3:43.19	RAY TAFT	USA	2000	15:59.86	TOKUSHI KOMEDA	JPN	1999	2:00.89	ALDO DAROSA	USA	2003
3:43.82	ALDO DA ROSA	USA	1998	16:26.96	G. MAY	RSA	2002	2:03.03	SEIJI TAKAHASHI	JPN	2000
3:44.19	MAX VAN GELDER	NED	2004	16:27.23	ALDO DA ROSA	USA	2002	2:03.62	LUDWIG GEBURZI	GER	2006
3:47.18	ANTON CERER	USA	1996	16:52.07	HAROLD DODD	GBR	2004	2:03.77	FRED SCHULHOF	CAN	2004
3:52.22	HIROSHI IMAIZUMI	JPN	2005	17:06.91	NILS FERM	SWE	2002	2:03.96	PAUL KRUP	USA	2002
3:53.22	THOMAS MAINE	USA	2006	17:11.21	GUS LANGNER	USA	1988	2:06.10	REINHOLD ZOEGE	GER	1995
3:59.62	JURGEN SCHMIDT	USA	2003	17:33.95	ARTHUR THOMAS	AUS	2004	2:07.47	RAYMOND HAKOMAKI	USA	2005
400 M.	I.M.			17:47.46	DICK GUIDO	USA	2004	200 M.	BRST		
7:38.09	JAN ZIEGLER	CZE	2005	18:00.71	HEINZ SIEGEL	GER	2000	4:22.99	HIROMU YOSHIMOTO	JPN	2000
7:47.73	THOMAS MAINE	USA	2006	1500 M.	FREE			4:25.31	ALDO DAROSA	USA	2003
7:57.61	KARL HAUTER	GER	2005	29:53.88	JIM EUBANK	USA	2000	4:26.74	H.REITEMEYER	GER	2006
8:03.49	FRANK PIEMME	USA	2005	30:14.52	TOKUSHI KOMEDA	JPN	1999	4:36.86	HAROLD PERRY	USA	1996
8:05.14	RAYMOND TAFT	USA	1999	31:17.64	ALDO DA ROSA	USA	2002	4:40.05	Y.MIYAMOTO	JPN	2002
8:13.49	ANTON CERER	USA	1997	32:32.53	HAROLD DODD	GBR	2004	4:46.26	FRED SCHULHOF	CAN	2004
8:14.86	ALDO DA ROSA	USA	1998	32:56.41	NILS FERM	SWE	2002	4:59.99	RUSS WITTE	USA	2002
8:39.57	LEE ARTH	USA	2005	33:08.42	GUS LANGNER	USA	1989	5:01.02	C.SCHERER	GER	2000
8:45.17	WALTER PFEIFFER	USA	1994	33:22.61	KARL BAYERLEIN	GER	2006	5:03.81	BUD JACKSON	USA	2004
9:08.24	TED ROACH	CAN	2005	35:14.53	GARY WEISENTHAL	USA	1999	5:09.86	SYOHEI YOSHIDA	JPN	1991
35:29.09	WILLIAM DODGSON	GBR	2005	35:29.61	ARTHUR THOMAS	AUS	2004	50 M.	FLY		
35:29.61	ARTHUR THOMAS	AUS	2004	50 M.	BACK			46.48	ANDREW HOLDEN	USA	2004
*****				42.17	GORO KOBAYASHI	JPN	2001	50.64	MAX VON ISSER	USA	2006
*****				44.52	FRED VAN DYKE	USA	2006	51.12	PAUL KRUP	USA	2002
*****				45.16	TOSHIJI SATO	JPN	2000	51.81	Y.MIYAMOTO	JPN	2002
*****				45.33	SHOICHI SAKAMOTO	JPN	2004	54.00	ANTON CERER	USA	2002
*****				47.06	ALDO DA ROSA	USA	2002	54.98	WALTER PFEIFFER	USA	2000
*****				47.70	R.REINSTADTLER	GER	1997	56.19	LUDWIG GEBURZI	GER	2006
*****				49.11	GUNTHER PIRL	GER	2006	58.13	JESSE COON	USA	1996
*****				49.14	ANDREW HOLDEN	USA	2004	58.73	TOKUSHI KOMEDA	JPN	1999
*****				49.19	M.FUKUSHIMA	JPN	2001	58.75	ALDO DAROSA	USA	2003
*****				49.20	C.SCHERER	GER	1999	100 M.	FLY		
*****				100 M.	BACK			2:02.53	ANDREW HOLDEN	USA	2004
*****				1:36.34	GORO KOBAYASHI	JPN	2001	2:10.28	WALTER PFEIFFER	USA	1999
*****				1:41.25	TOSHIJI SATO	JPN	2000	2:11.44	ANTON CERER	USA	2002
*****				1:48.68	HIKOJI UEKI	JPN	2000	2:17.29	PAUL KRUP	USA	2002
*****				1:49.54	ALDO DA ROSA	USA	2002	2:24.04	ALDO CAPUTI	ITA	2000
*****				1:51.83	C.SCHERER	GER	1999	2:28.58	WILLIAM JOHNSTON	USA	2003
*****				1:53.16	NILS FERM	SWE	2002	2:30.73	JESSE COON	USA	1996
*****								2:30.75	HIRONARI UEDA	JPN	2006





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FOUNDED IN 1908

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

1:20.07	ELI BARREIRO	ECU 2001
1:20.52	TOM LANE	USA 1989
1:31.68	ETSURO YASUI	JPN 2006
1:41.72	JOHN WHITTEMORE	USA 1995
1:48.40	HANS HAHN	GER 2003
100 M.	FREE	
2:29.32	GUS LANGNER	USA 1998
2:31.44	JARING TIMMERMAN	CAN 2005
3:07.28	ELI BARREIRO	ECU 2001
3:30.27	ETSURO YASUI	JPN 2006
3:30.59	TOM LANE	USA 1992
200 M.	FREE	
5:13.23	GUS LANGNER	USA 1998
5:56.17	JARING TIMMERMAN	CAN 2005
400 M.	FREE	
11:30.53	GUS LANGNER	USA 1998
800 M.	FREE	
22:28.28	GUS LANGNER	USA 1998
1500 M.	FREE	
47:30.40	GUS LANGNER	USA 1999
50 M.	BACK	
1:10.06	NORI YAMAMOTO	JPN 2005
1:16.30	TOM LANE	USA 1989
1:23.77	ALFREDO CHERCHI	AUS 2002
1:29.26	JARING TIMMERMAN	CAN 2005
1:52.63	HANS HAHN	GER 2005
1:56.25	GUS LANGNER	USA 1998
100 M.	BACK	
2:54.90	NORI YAMAMOTO	JPN 2005
3:19.14	TOM LANE	USA 1992
3:19.24	JARING TIMMERMAN	CAN 2005
3:32.44	ALFREDO CHERCHI	AUS 2003
4:12.55	HANS HAHN	GER 2004
200 M.	BACK	
8:19.55	ALFREDO CHERCHI	AUS 2002
50 M.	BRST	
1:26.61	GUS LANGNER	USA 1998
1:36.87	TOM LANE	USA 1989
100 M.	BRST	
3:38.45	GUS LANGNER	USA 1998
200 M.	BRST	
7:37.17	GUS LANGNER	USA 1998

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M E N 100-104  
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50 M.	FREE	
1:40.46	TOM LANE	USA 1994
3:22.65	EDWIN THOMAS	USA 1994
100 M.	FREE	
4:05.98	TOM LANE	USA 1994
50 M.	BACK	
1:50.73	TOM LANE	USA 1994
100 M.	BACK	
4:13.84	TOM LANE	USA 1994
200 M.	BACK	
9:04.31	TOM LANE	USA 1994