

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

WOMEN 25-29

50 M. FREE	
25.42 ANNABEL KOSTEN	NED 2004
26.20 ALISON SHEPPARD	GBR 1998
26.61 SANDRA KAZIKOVA	CZE 2005
26.68 SARA SHAND	USA 1991
26.82 HEATHER HAGEMAN	USA 1997
26.96 MONICA BENVENUTI	ITA 2003
26.99 PETRA MARTIN	USA 2005
27.01 MIHO OKUHARA	JPN 2006
27.05 MARIA RIVERA	VEN 2002
27.06 ANNA PETTIS-SCOTT	USA 1992
100 M. FREE	
57.76 SHEILA TAORMINA	USA 1995
58.22 ALISON SHEPPARD	GBR 1998
58.23 SARA SHAND	USA 1991
58.59 HITOMI MATSUDA	JPN 2006
58.65 CAROLINE KILIAN	USA 2006
58.72 MONICA BENVENUTI	ITA 2003
58.75 KATATIN QUELENNEC	FRA 2006
58.89 SILVIA SZALAI	GER 2001
58.97 ROSEMARIE SEAMAN	USA 1987
59.24 LIESL TANER	USA 2005
200 M. FREE	
2:02.06 SHEILA TAORMINA	USA 1996
2:02.44 RACHEL KOMISARZ	USA 2001
2:06.37 KIM VAN KRUYSEN	BEL 2000
2:06.81 HITOMI MATSUDA	JPN 2005
2:07.11 SARA L SHAND	USA 1989
2:07.14 SHARRON DAVIES	GBR 1990
2:08.02 TATIANA BARBOSA	BRA 2006
2:08.44 LYNNE BLOMBERG	USA 1989
2:08.55 DIANE GRANER	USA 1989
2:09.02 BETH KNIGHT	USA 1989
400 M. FREE	
4:13.03 SHEILA TAORMINA	USA 1996
4:16.31 RACHEL KOMISARZ	USA 2001
4:24.11 SILVIA VIDA	GER 2003
4:26.63 KIM VAN KRUYSEN	BEL 2000
4:27.53 SARA L SHAND	USA 1989
4:28.30 HITOMI MATSUDA	JPN 2006
4:30.24 CRISTINA TEUSCHER	GBR 2004
4:30.54 S.PALMERWHITE	AUS 1992
4:31.02 MARY HOLMES	USA 1988
4:31.09 AMY POPE	USA 1988
800 M. FREE	
8:47.44 RACHEL KOMISARZ	USA 2001
8:53.93 K.BISHOP	AUS 1989
9:18.43 SARA L SHAND	USA 1989
9:18.74 MARY HOLMES	USA 1988
9:18.78 JUDY FORD	USA 1988
9:24.22 MARY H ROEBUCK	USA 1990
9:26.72 VIVIANE MOTTI	BRA 2000
9:28.85 KAREN CLIFTON	GBR 1996
9:29.04 LISA A JOHNS	USA 1991
9:29.23 S. PALMER WHITE	AUS 1994
1500 M. FREE	
16:39.77 RACHEL KOMISARZ	USA 2001
17:27.96 SHEILA TAORMINA	USA 1995
17:38.09 S. PALMER-WHITE	AUS 1991
17:38.78 AMY POPE	USA 1988
17:41.64 LINDA GALLO	USA 2004
17:50.23 AMY LEPPING	USA 1987
17:54.78 HITOMI MATSUDA	JPN 2005
17:55.84 EVA MORTENSEN	GBR 1996
18:01.57 DONNA JOHNSON	USA 1996

18:04.01 REBECCA PERROTT	NZL 1991
50 M. BACK	
30.52 NAHOMI ERIGUCHI	JPN 2004
30.73 KAORU ONO	JPN 1998
30.80 DIANE GRANER	USA 1989
31.05 PAMELA HANSON	USA 2005
31.14 HELEN SLATTER	GBR 1996
31.14 MARIA RIVERA	VEN 2002
31.21 C.GIBSON	CAN 1986
31.30 JUNKO ANDO	JPN 2000
31.38 KANA OHASHI	JPN 2004
31.40 CAREN MAHN	GER 1992
100 M. BACK	
1:05.02 ALISON SHEPPARD	GBR 1998
1:05.61 KANA OHASHI	JPN 2006
1:06.13 KAORU ONO	JPN 1998
1:06.37 LIA OBERSTAR	USA 2004
1:06.46 MONIQUE RODAHL	NZL 1989
1:07.13 PAMELA HANSON	USA 2005
1:07.18 LAUREN MORELLI	USA 2006
1:07.20 YUKO TAKUWA	JPN 1992
1:07.29 MARIA RIVERA	VEN 2002
1:07.32 DIANE GRANER	USA 1989
200 M. BACK	
2:17.56 KANA OHASHI	JPN 2006
2:19.97 DIANE GRANER	USA 1989
2:20.76 MONIQUE RODAHL	NZL 1989
2:20.88 ALISON SHEPPARD	GBR 1998
2:22.41 LIA OBERSTAR	USA 2004
2:24.15 PAMELA HANSON	USA 2005
2:25.98 J.ADAMS	GBR 1987
2:26.27 C.GIBSON	CAN 1986
2:26.62 MARTIE MC KINNEY	USA 1994
2:27.28 CAMILLA JOHANSSON	USA 2002
50 M. BRST	
32.01 S.SEMINATORE	ITA 1989
32.79 MANUELA NACKEL	GER 2000
33.54 SILKE HORNER	GER 1994
33.60 PETRA MARTIN	USA 2005
33.68 HITOMI MATSUDA	JPN 2006
33.88 BEATE STEINHOF	GER 1992
33.98 ALISON SHEPPARD	GBR 1998
34.08 BRIGITTE BECUE	BEL 2000
34.28 KATJA BRASCHOS	GER 2006
34.29 MARIANNE GUIRAUD	FRA 2006
100 M. BRST	
1:12.09 BRIGITTE BECUE	BEL 2000
1:12.65 HITOMI MATSUDA	JPN 2006
1:13.15 MANUELA NACKEL	GER 1999
1:14.97 KATJA BRASCHOS	GER 2006
1:15.31 CHARLOTTE MUSTARD	GBR 1996
1:15.33 WIEBKE CONRAD	GER 2006
1:15.48 HELEN SALCEDO	USA 2002
1:15.89 REBECCA BRUCH	USA 2000
1:15.95 ALLISON WAGNER	USA 2005
1:16.05 S.SEMINATORE	ITA 1990
200 M. BRST	
2:35.46 HITOMI MATSUDA	JPN 2006
2:38.22 KATJA BRASCHOS	GER 2006
2:42.02 SHARRON DAVIES	GBR 1990
2:43.89 CRISTINA TEUSCHER	GBR 2004
2:44.36 SUKI BROWNSDON	GBR 1991
2:44.80 BARBARA ARRIGO	ITA 2004
2:44.88 WIEBKE CONRAD	GER 2006
2:45.04 REBECCA BRUCH	USA 2000
2:45.09 PIA THULSTRUP	DEN 1990
2:45.70 CHARLOTTE MUSTARD	GBR 1996
50 M. FLY	

28.09 MARJA PARSSINEN	FIN 1997
28.19 JENNIFER BROOKS	USA 2003
28.30 C.SIEVERT	GER 2000
28.72 SHELLY JOHNSTON	USA 2006
28.79 ROSEMARIE SEAMAN	USA 1987
28.81 HITOMI MATSUDA	JPN 2006
28.82 ANNA PETTIS-SCOTT	USA 1992
28.87 SHARRON DAVIES	GBR 1990
28.98 LYNDSY LINKE	USA 2006
29.08 DIANE BUIDUYET	FRA 2006
100 M. FLY	
1:01.04 RACHEL KOMISARZ	USA 2001
1:03.18 SHELLY JOHNSTON	USA 2006
1:03.29 HITOMI MATSUDA	JPN 2006
1:03.67 SHEILA TAORMINA	USA 1995
1:03.89 JENNIFER BROOKS	USA 2003
1:03.91 ROSEMARIE SEAMAN	USA 1987
1:03.98 MONIQUE RODAHL	NZL 1989
1:04.17 C.SIEVERT	GER 2000
1:04.65 KIM VAN KRUYSEN	BEL 2000
1:04.67 CHIZUKO UMIGUCHI	JPN 1996
200 M. FLY	
2:16.82 KIM VAN KRUYSEN	BEL 2000
2:17.51 SHEILA TAORMINA	USA 1996
2:18.69 S.PALMERWHITE	AUS 1992
2:18.80 CHIZUKO UMIGUCHI	JPN 1997
2:20.72 HELEN SLATTER	GBR 1996
2:21.27 HITOMI MATSUDA	JPN 2006
2:22.42 JUNE FORD	USA 1987
2:24.36 SARA L SHAND	USA 1989
2:25.02 JACKIE THOMPSON	GBR 1996
2:25.54 PATRICIA BRITTO	BRA 1997
200 M. I.M.	
2:19.65 MARGOT JANDEL	GER 2003
2:20.71 HITOMI MATSUDA	JPN 2005
2:21.98 ALLISON WAGNER	USA 2005
2:22.00 SHARRON DAVIES	GBR 1990
2:22.89 MONIQUE RODAHL	NZL 1989
2:23.76 ALISON SHEPPARD	GBR 1998
2:24.99 ANDREA SIMAKOVA	CZE 2003
2:25.45 SARA L SHAND	USA 1989
2:25.64 PAMELA HANSON	USA 2005
2:26.05 ELENA VOLPI	ITA 1997
400 M. I.M.	
5:02.78 HITOMI MATSUDA	JPN 2006
5:05.29 SHARRON DAVIES	GBR 1990
5:06.34 SARA L SHAND	USA 1989
5:10.54 CRISTINA TEUSCHER	GBR 2004
5:11.02 S.PALMERWHITE	AUS 1992
5:11.68 ALLISON WAGNER	USA 2005
5:12.22 LYNNE BLOMBERG	USA 1989
5:12.46 KARLYN PIPES	USA 1987
5:13.94 CHRIS WIEGAND	GER 2000
5:14.47 MIEKE SMET	BEL 2000

WOMEN 30-34

50 M. FREE	
25.99 TONI JEFFS	NZL 2002
26.18 KATRINA RADKE	USA 2004
26.25 ANGEL MARTINO	USA 2000
26.37 S.NEILSON-BELL	USA 1988
26.38 PEGGY GROSS	USA 2002
26.59 PASCALE VERBAUWEN	BEL 1993
26.75 TRACIE MOLL	USA 1998
26.95 NADINE ROLLAND	CAN 2005
27.00 BARBARA COLORIO	ITA 2006

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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			
17:47.22 KIRSTEN CAMERON	NZL	2006	2:47.73 CAROLINE MATHIAS	FRA	2006			
17:48.44 K.PIPES-NEILSEN	USA	1996	2:48.03 NADINE DAY	USA	2003			
17:48.60 LISA HAZEN	USA	1996	2:48.41 DAGMAR HILBIG	FRG	1989			
17:55.58 BETH L KNIGHT	USA	1991	2:48.75 LOUISE MARTIN	USA	1999			
18:02.01 AMY POPE	USA	1991	2:49.71 BRITT STOTT	RSA	2004			
18:04.42 S.PAMELIA	USA	1986	2:50.51 SUE FAWN	GBR	2003			
18:11.40 LYNN MARSHALL	CAN	1994	2:50.58 ANNA JENSEN	SWE	2005			
18:12.67 MARY ROEBUCK	USA	1994	50 M. FLY					
18:14.37 ALISON ZAMANIAN	USA	2004	27.59 ANGEL MARTINO	USA	2000			
50 M. BACK			28.49 NADINE ROLLAND	CAN	2005			
30.82 NAHOMI SHIRATA	JPN	2006	28.77 TRACIE MOLL	USA	1998			
30.94 DIANE GALLAS	USA	1996	28.82 JUNKO ONISHI	JPN	2006			
31.03 KIKKI MYHRBRO	NED	1994	29.17 PASCALE VERBAUWEN	BEL	1996			
31.24 PASCALE VERBAUWEN	BEL	1996	29.19 LAURA BIANZANI	ITA	2004			
31.47 KARLYN PIPES	USA	1994	29.22 BETH HARRELL	USA	1992			
31.64 GITTE RAAGAARD	DEN	2004	29.28 K PIPES-NEILSEN	USA	1996			
31.69 ANGEL MARTINO	USA	1999	29.32 YUKI INOUE	JPN	2003			
31.72 HELEN JAMESON	GBR	1995	29.37 NADINE DAY	USA	2004			
31.76 M.RIVERA	VEN	2004	100 M. FLY					
31.79 CHIE UDA	JPN	2004	1:00.03 ANGEL MARTINO	USA	2000			
100 M. BACK			1:03.93 TRACIE MOLL	USA	1998			

WOMEN 35-39

50 M. FREE

25.98 DARA TORRES	USA	2006
26.53 EDITH OTTERMANN	RSA	2004
26.66 TRACIE MOLL	USA	1999
26.68 S.NEILSON-BELL	USA	1996
26.85 PEGGY GROSS	USA	2004
27.09 SHERI HART	USA	2006
27.09 M DRUECKHAMMER	USA	2002
27.14 MELINDA MAROSI	HUN	2005
27.16 BETH KNIGHT	USA	1994
27.37 YUKIKO OZAWA	JPN	2003
100 M. FREE		
58.87 S.NEILSON-BELL	USA	1995
58.94 BETH KNIGHT	USA	1994
59.16 SHERI HART	USA	2006
59.20 TRACIE MOLL	USA	1999
59.21 K.PIPES-NEILSEN	USA	1997
59.29 M DRUECKHAMMER	USA	2002
59.47 MELINDA MAROSI	HUN	2005
59.48 PEGGY GROSS	USA	2004
59.53 SHEILA TAORMINA	USA	2006
59.71 KARIN SEICK	GER	1996
200 M. FREE		

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-EYTON	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	STLVIA 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			

4:28.24	K PIPES-NEILSEN	USA	2002	34.20	S.SEMINATORE	ITA	2004	2:31.84	MARZENA KULIS	ITA	2006
4:34.33	SUSAN PRESTON	USA	2006	34.97	DAGMAR HILBIG	GER	2000	2:32.95	SUSAN PRESTON	USA	2006
4:35.74	PENNY PALFREY	AUS	2002	35.60	MARZENA KULIS	ITA	2005	2:33.68	S.REIBEL-OBERLE	GER	2004
4:36.26	SUSAN DOMBKOWSKI	USA	2006	35.69	MONICA CORO	ITA	2005	2:33.72	BEV MCCARNEY	RSA	2004
4:38.69	JILL HERNANDEZ	USA	2000	35.71	JENNY WHITELEY	AUS	1999	2:33.86	SILVIA PAROCCHI	ITA	2006
4:39.66	LISA HAZEN	USA	2006	35.74	K PIPES-NEILSEN	USA	2003	2:35.10	ANGELA DELISSEN	GER	2006
4:39.82	S HEIM-BOWEN	USA	1999	35.77	ELKE SCHMITZ	GER	2004	2:35.54	REBECCA PERROTT	NZL	2002
4:39.93	SUSANNE SIMPSON	USA	2004	35.88	MARIE CHARLES	FRA	2004	400 M.	I.M.		
4:40.36	C PETERSEN	USA	2004	35.88	DAGMAR FRESE	GER	1996	5:09.83	K PIPES-NEILSEN	USA	2004
4:43.05	N.MUIR-COCHRANE	GBR	2004	100 M.	BRST			5:21.32	JILL HERNANDEZ	USA	2000
800 M.	FREE			1:13.34	S.VON DER LIPPE	USA	2006	5:21.87	MARZENA KULIS	ITA	2006
9:21.75	K PIPES-NEILSEN	USA	2003	1:13.82	CAROLINE KRATTLI	USA	2002	5:26.74	CAROLINE KRATTLI	USA	2002
9:24.90	PENNY PALFREY	AUS	2002	1:14.90	MARZENA KULIS	ITA	2006	5:27.97	S.REIBEL-OBERLE	GER	2006
9:25.95	SUSAN PRESTON	USA	2006	1:16.81	DAGMAR HILBIG	GER	2000	5:28.17	REBECCA PERROTT	NZL	2002
9:25.95	SUZAN HEIM-BOWEN	USA	2001	1:17.27	S.SEMINATORE	ITA	2004	5:28.81	PENNY PALFREY	AUS	2002
9:31.64	JILL HERNANDEZ	USA	2000	1:18.57	DAGMAR FRESE	GER	1996	5:30.27	N.MUIR-COCHRANE	GBR	2004
9:34.55	N.MUIR-COCHRANE	GBR	2004	1:18.62	MARIE CHARLES	FRA	2004	5:32.44	ANGELA DELISSEN	GER	2006
9:36.13	SUSAN DOMBKOWSKI	USA	2006	1:19.82	MONICA CORO	ITA	2006	5:32.53	CYNTHIA PINCOTT	CAN	2006
9:39.53	C PETERSEN	USA	2004	1:20.20	SVETLANA SAVINO	FIN	2004				
9:41.72	LISA HAZEN	USA	2006	1:20.26	ELKE SCHMITZ	GER	2005	*****			
9:41.90	SUSANNE SIMPSON	USA	2004	200 M.	BRST			WOMEN 45-49			
1500 M.	FREE			2:38.44	S.VON DER LIPPE	USA	2006	*****			
17:56.52	K PIPES-NEILSEN	USA	2003	2:42.06	CAROLINE KRATTLI	USA	2002	50 M.	FREE		
18:14.34	SUZ HEIM-BOWEN	USA	1998	2:43.17	MARZENA KULIS	ITA	2006	27.76	BRIGITTE HEUER	USA	2006
18:15.98	N.MUIR-COCHRANE	GBR	2004	2:49.95	DAGMAR HILBIG	GER	1999	27.78	BETH LUTZ KNIGHT	USA	2005
18:25.26	JILL HERNANDEZ	USA	2000	2:53.47	MARIE CHARLES	FRA	2004	27.81	LISA DAHL	USA	2006
18:25.28	LYNN MARSHALL	CAN	2002	2:54.35	S.SEMINATORE	ITA	2005	28.07	BERGER-TALOCHINO	FRA	2002
18:44.49	LESLIE MAYES	AUS	2001	2:54.47	JAN FOWLER	AUS	2002	28.20	SARAH MACDONALD	CAN	2005
18:50.58	DENISE BROWN	USA	2003	2:55.72	ANGELA DELISSEN	GER	2006	28.30	JACKI HIRSTY	USA	1998
18:50.80	ELENE KAY JONES	ITA	2005	2:56.08	K.PIPES-NEILSEN	USA	2003	28.38	KATHY GARNIER	USA	2005
19:00.13	ANNA MARIA NUNIA	ITA	2004	2:56.17	DAGMAR FRESE	GER	1996	28.53	JENNY WHITELEY	AUS	2003
19:00.40	BARBARA G DUNBAR	USA	1992	50 M.	FLY			28.54	PENNY NOYES	USA	2000
50 M.	BACK			28.62	S.VON DER LIPPE	USA	2006	28.56	S.HEIM-BOWEN	USA	2006
31.99	BEVERLEY MCCARNEY	RSA	2004	28.97	ELIZABETH EMERY	USA	2002	100 M.	FREE		
32.19	K PIPES-NEILSEN	USA	2002	29.29	MARIA DOELGER	USA	2003	1:00.95	BETH LUTZ KNIGHT	USA	2005
32.25	LAURA VAL	USA	1994	29.35	K PIPES-NEILSEN	USA	2002	1:01.39	SARAH MACDONALD	CAN	2005
32.28	CAROLINE KRATTLI	USA	2002	29.41	EDITH OTTERMANN	RSA	2006	1:01.92	KATHY GARNIER	USA	2006
32.31	SUSAN WALSH	USA	2004	29.54	SILVIA PAROCCHI	ITA	2006	1:02.11	SUZANN HEIM-BOWEN	USA	2003
32.33	M.RODAHL-WILLIAMS	NZL	2002	29.59	BETH BAKER	USA	2001	1:02.34	BERGER-TALOCHINO	FRA	2002
32.41	VALERIE JENKINS	USA	2006	29.67	BEVERLEY MCCARNEY	RSA	2004	1:02.55	LAURA VAL	USA	2000
32.49	L VAN PELT-DILLER	USA	2002	29.79	SUSAN WALSH	USA	2006	1:02.83	JENNY WHITELEY	AUS	2003
32.66	HIROKO NOGUCHI	JPN	2005	29.79	BARBARA GELLRICH	GER	2002	1:02.86	JACKI HIRSTY	USA	1998
32.67	JOANNE BULLOCK	GBR	2003	100 M.	FLY			1:02.91	ELENE KAY JONES	ITA	2005
100 M.	BACK			1:03.38	S.VON DER LIPPE	USA	2006	1:02.98	ATIE PIJTAK	NED	2001
1:07.69	K PIPES-NEILSEN	USA	2003	1:04.74	K PIPES-NEILSEN	USA	2003	200 M.	FREE		
1:09.88	BETH BAKER	USA	2001	1:05.61	BETH BAKER	USA	2001	2:12.76	BETH LUTZ KNIGHT	USA	2005
1:10.38	L VAN PELT-DILLER	USA	2002	1:05.80	BEVERLEY MCCARNEY	RSA	2004	2:13.17	SUZANN HEIM-BOWEN	USA	2003
1:10.65	M.RODAHL-WILLIAMS	NZL	2002	1:06.27	LAURA VAL	USA	1992	2:13.85	JILL HERNANDEZ	USA	2005
1:11.00	ELLEN REYNOLDS	USA	2006	1:06.41	MARIA DOELGER	USA	2003	2:14.84	SUSANNE SIMPSON	USA	2005
1:11.03	LAURA VAL	USA	1992	1:06.73	DANIELA DE PONTI	ITA	2006	2:16.67	JENNY WHITELEY	AUS	2003
1:11.04	CAROLINE KRATTLI	USA	2002	1:06.88	BARBARA GELLRICH	GER	2003	2:16.85	REBECCA PERROTT	NZL	2006
1:11.13	UTE ROMBERG	GER	2002	1:06.91	SUSANNE SIMPSON	USA	2002	2:16.90	ELENE KAY JONES	USA	2006
1:11.21	SILVIA PAROCCHI	ITA	2006	1:07.00	SILVIA PAROCCHI	ITA	2006	2:17.12	LAURA VAL	USA	1998
1:11.22	A.LUALLEN-EGG	USA	2005	200 M.	FLY			2:18.30	LYNN MARSHALL	CAN	2006
200 M.	BACK			2:24.77	K PIPES-NEILSEN	USA	2003	2:18.81	KAREN EINSIDLER	USA	2003
2:23.64	K PIPES-NEILSEN	USA	2003	2:24.78	S.VON DER LIPPE	USA	2006	400 M.	FREE		
2:31.66	BETH BAKER	USA	2001	2:25.15	SUSAN PRESTON	USA	2006	4:39.20	SUZANN HEIM-BOWEN	USA	2003
2:31.81	SILVIA PAROCCHI	ITA	2006	2:29.37	SUSANNE SIMPSON	USA	2002	4:43.39	LYNN MARSHALL	CAN	2006
2:33.10	ELLEN REYNOLDS	USA	2006	2:29.81	BETH BAKER	USA	2001	4:44.30	SUSANNE SIMPSON	USA	2006
2:33.31	SALLY BELL	AUS	2005	2:32.14	S HEIM-BOWEN	USA	1999	4:45.57	JILL HERNANDEZ	USA	2005
2:34.18	ZENA COURTNEY	USA	1999	2:32.59	LAURA VAL	USA	1995	4:46.09	ELENE KAY JONES	ITA	2005
2:34.37	LESLEY WILDE	GBR	2000	2:33.26	ANDREA BLOCK	USA	2002	4:50.82	MARIA BRANCO	BRA	1998
2:35.83	ANGELA DELISSEN	GER	2006	2:33.51	BARBARA G DUNBAR	USA	1989	4:52.03	LAURA VAL	USA	2000
2:35.98	L VAN PELT-DILLER	USA	2001	2:33.74	CYNTHIA PINCOTT	CAN	2006	4:52.17	JENNY WHITELEY	AUS	2003
2:36.54	N.MUIR-COCHRANE	GBR	2004	200 M.	I.M.			4:53.00	ROBIN KLESTINEC	USA	2006
50 M.	BRST			2:25.38	K PIPES-NEILSEN	USA	2003	4:53.60	MARGEE CURRAN	USA	2006
33.25	S.VON DERLIPPE	USA	2006	2:29.80	CAROLINE KRATTLI	USA	2002	800 M.	FREE		
33.79	CAROLINE KRATTLI	USA	2002	2:30.96	JILL HERNANDEZ	USA	2000	9:24.53	SUZANN HEIM-BOWEN	USA	2003



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Walt Reid – FINA Masters Recorder

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	SATOKI TAKEUJI	JPN	1992	31.69	ARDETH MUELLER	USA	1993	1:07.15	CHARLOTTE DAVIS	USA	2006
34.99	PATTY 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	32.52	GUNILLA LEINSKOLD	SWE	2005	1:09.00	JUDY WILSON	GBR	2000
35.39	S.RAMOGER RIGAUD	FRA	2006	32.59	CHRISTIE CIRAULO	USA	2006	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	PATTY 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	PATTY 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	2:49.88	ANNE CORK	GBR	2001	11:15.07	ARDETH MUELLER	USA	1997
38.47	DEB WALKER	USA	2005	2:50.10	Z.GRAET	PER	2002	11:16.23	BARB GUNDRED	USA	2006
38.69	SUSAN JONES-ROY	USA	2000	2:50.32	CELESTE MILLER	USA	2000	11:19.59	MEREDITH MOORE	USA	2004
38.70	AVILA RHODES	CAN	2006	2:50.89	SUSAN SKIFF	GER	2005	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

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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 CARROL 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	50 M. FREE		37.06 MARIA BALLA	HUN 2004
3:14.78 JEN THOMASSON	AUS 1998	31.40 LYNETTE STEVENSON	AUS 2006	37.12 SILVANA ABREU	BRA 2002
3:15.32 ELAINE BROMWICH	GBR 1997	31.55 CHRISTEL SCHULZ	GER 2004	37.30 MARGIT OHLSSON	SWE 2005
3:16.00 NORMA SUTHERLAND	AUS 1998	31.60 CAROLYN BOAK	USA 2006	37.35 LYNETTE STEVENSON	AUS 2006
3:18.11 FLORA CONNOLLY	GBR 1989	31.66 JUDY WILSON	GBR 2004	37.56 PENNY STEELE	AUS 2005
3:18.61 ANNAGRET VOLCKER	GER 2001	32.48 KAYE BEER	AUS 2006	37.84 MARGARET WILDING	GBR 2000
3:18.69 UTA HOFFMANN	GER 2004	32.57 JAN WICKS	AUS 2006	38.09 HIROMI SATO	JPN 2002
3:19.16 JOANN LEILICH	USA 1998	32.62 GEORGINA LOPEZ	CAN 2004	38.76 BETSY JORDAN	USA 1997
50 M. FLY		32.77 JAYNE BRUNER	USA 1995	100 M. BACK	
32.10 LAURA VAL	USA 2006	32.80 D.PAOLETTI	ITA 2004	1:18.91 B.BARNETT-SALLEE	USA 2006
32.24 JUDY WILSON	GBR 2000	32.92 OLGA KREJCI	SUI 2000	1:20.43 SATOKO TAKEUJI	JPN 2002
32.91 CONNY BOER-BUIJS	NED 2005	100 M. FREE		1:22.07 MARGARET WILDING	GBR 2000
33.26 CHARLOTTE DAVIS	USA 2006	1:10.29 CHRISTEL SCHULZ	GER 2004	1:22.31 MARGIT OHLSSON	SWE 2005
33.88 YOSHIKO KADOSAKA	JPN 2004	1:10.60 CAROLYN BOAK	USA 2006	1:22.85 MARIA BALLA	HUN 2006
		1:11.24 JUDY WILSON	GBR 2004		

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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	PETEEY 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	50 M. FREE				38.85	PAM HUTCHINGS	AUS	2002
3:18.05	HARRIET BERGER	GER	2004	32.52	CHRISTEL SCHULZ	GER	2005	39.85	CLARA WALKER	USA	1992
3:22.24	DIANE FORD	GBR	2006	33.38	OLGA KREJCI	SUI	2002	40.50	MARGA BRAUN	GER	1999
3:23.14	ELAINE BROMWICH	GBR	2004	33.47	YOSHIKO OSAKI	JPN	2004	40.93	BETSY JORDAN	USA	2002
3:23.62	JOANN LEILICH	USA	1999	33.55	JAYNE BRUNER	USA	2000	40.99	DORIS STEADMAN	USA	1990
3:24.38	MASAYO AZUMA	JPN	1996	33.69	PAM HUTCHINGS	AUS	2002	41.58	CHRISTEL SCHULZ	GER	2006
3:25.29	FLORA CONNOLLY	GBR	1994	34.17	GAIL ROPER	USA	1996	41.92	SHOKO YONEZAWA	JPN	2002
3:25.73	YOSHIE OGASAWARA	JPN	2006	34.18	SALLY BOLAR	USA	2005	42.30	KAREN BENDTSEN	DEN	1997
3:27.35	INGEBORG SEIDEL	GER	2006	34.57	BETH SCHREINER	USA	2006	42.32	JANE ASHER	GBR	1997
50 M. FLY				34.61	JANE ASHER	GBR	1996	100 M. BACK			
33.47	JUDY WILSON	GBR	2004	34.69	JEANNE LITTLE	USA	2005	1:27.51	PAM HUTCHINGS	AUS	2002
35.06	CHRISTEL SCHULZ	GER	2004	100 M. FREE				1:28.08	SILVANA ABREU	BRA	2006
35.18	MICHIE DOI	JPN	2004	1:12.00	CHRISTEL SCHULZ	GER	2005	1:30.23	CHRISTEL SCHULZ	GER	2005
35.28	JAN WICKS	AUS	2006	1:13.05	YOSHIKO OSAKI	JPN	2004	1:30.97	CLARA WALKER	USA	1991
35.62	JOY WARD	USA	2002	1:14.93	PAM HUTCHINGS	AUS	2002	1:31.58	DORIS STEADMAN	USA	1990
35.92	HARRIET BERGER	GER	2004	1:16.84	CLARA WALKER	USA	1992	1:31.68	BETSY JORDAN	USA	2006
36.24	SARAH BROUGHNER	USA	2001	1:17.55	SALLY BOLAR	USA	2005	1:34.18	V. JOHANSSON	SWE	2002
36.46	SUSANA BARKLEY	ESP	2006	1:17.73	JANE ASHER	GBR	1996	1:34.45	BRENDA WALKER	GBR	2004
36.56	CLAIRE O'DWYER	IRE	2002	1:18.00	GAIL ROPER	USA	1996	1:34.72	SHOKO YONEZAWA	JPN	2001
36.60	SILVANA ABREU	BRA	2002	1:19.11	BETH SCHREINER	USA	2006	1:34.78	HAIKE HOLER	GER	2002
100 M. FLY				1:20.10	LAVELLE STOINOFF	USA	1998	200 M. BACK			
1:17.34	JUDY WILSON	GBR	2004	1:20.17	JAYNE BRUNER	USA	2001	3:13.06	PAM HUTCHINGS	AUS	2002
1:21.31	HARRIET BERGER	GER	2004	200 M. FREE				3:16.02	LAVELLE STOINOFF	USA	1998
1:21.61	BRIGITTE MERTEN	GER	2006	2:42.91	YOSHIKO OSAKI	JPN	2004	3:17.12	DORIS STEADMAN	USA	1990
1:26.81	SUSANA BARKLEY	ESP	2006	2:42.96	CHRISTEL SCHULZ	GER	2006	3:17.20	CHRISTEL SCHULZ	GER	2006
1:26.96	CLAIRE O'DWYER	IRE	2002	2:48.51	CLARA WALKER	USA	1992	3:17.21	CLARA WALKER	USA	1991
1:27.05	YOSHIKO OSAKI	JPN	1999	2:53.14	JANE ASHER	GBR	1996	3:20.36	SILVANA ABREU	BRA	2006
1:27.36	HANNELORE ROSE	GER	2002	2:53.88	PAM HUTCHINGS	AUS	2002	3:21.90	GRETHE BENDTSEN	DEN	1998

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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	PETEEY 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	PETEEY SMITH	USA	1994
200 M. BRST				*****				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

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

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3:55.25 SYLVIA NEUHAUSER	AUT	2004	WOMEN 80-84		50 M. BACK	
3:59.30 ANN HIRSCH	USA	2006	*****		46.39 BUNNY CEDERLUND	USA 2002
4:04.56 A.VAN OBERGHEN	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

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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			
*****				47:18.71 KIKU ONO	JPN	2005	1:11.58	JEAN DURSTON	USA	1999
*****				50 M. BACK			1:12.00	MARIA LENK	BRA	2000
*****				53.44 BUNNY CEDERLUND	USA	2006	1:13.84	MAXINE MERLINO	USA	1997
50 M. FREE				56.57 BETTY CHRISTIAN	USA	2006	1:24.61	MICHELE GUILLAIS	FRA	2006
44.70	OLGA JOHNSON	NZL	2006	58.42 AILEEN SOULE	USA	1991	1:26.39	JEWEL COOKE	USA	1996
48.95	HISAKO KOGA	JPN	2002	59.56 WILLY VAN RYSEL	GBR	2002	1:27.40	GERTRUD ZINT	USA	2002
49.08	RITA SIMONTON	USA	2003	59.85 NOEL MORROW	CAN	2005	1:27.44	RITA SIMONTON	USA	2005
49.43	BETTY CHRISTIAN	USA	2006	1:00.00 MASA SHIGEMITSU	JPN	2000	1:27.57	EDITH GLUSAC	USA	2003
49.84	UME WADA	JPN	1996	1:01.02 EDITH THEIN	ISR	2003	1:31.29	EDIE GOLDMAN	USA	1996
49.90	HATSUHO SUGAYA	JPN	1999	1:01.13 OLGA JOHNSON	NZL	2006	1:34.47	ELLA PECKHAM	USA	1986
50.14	BUNNY CEDERLUND	USA	2006	1:01.37 ANNE WALKER	USA	2002	100 M. FLY			
50.93	JULIA DOLCE	USA	1994	1:01.39 PERSIS RAE	AUS	2004	2:39.43	JEAN DURSTON	USA	2000
51.18	MARJORIE SHARPE	USA	2002	100 M. BACK			2:45.28	DOROTHY WESTON	GBR	1998
51.36	JOYCE FAUNCE	AUS	2006	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)

3:01.14 KATHERINE PELTON USA 1991	5:24.75 MARIA LENK BRA 2005	1:54.31 LUZIA CARACCILO BRA 2004
3:13.12 JEWEL COOKE USA 1996	5:36.74 EVA MULLER USA 2002	2:03.25 MARGO BATES AUS 2000
3:25.00 EDITH GLUSAC USA 2003	5:38.54 ANNE WALKER USA 2006	2:13.81 DEL ROWLEY AUS 1995
3:33.92 MARIE KELLEHER USA 2000	6:01.41 MARGO BATES AUS 2002	2:23.76 VERA ROSS NZL 2002
3:46.00 EDIE GOLDMAN USA 1996	6:45.94 MARY LATHRAM USA 2005	2:58.60 HILDA BUEL USA 2005
3:51.78 KAY SCHIMPF USA 2002	400 M. FREE	3:11.13 RINA DAVOGLIO ITA 2003
3:59.67 ELLA PECKHAM USA 1986	10:58.64 WILLY VAN RYSEL GBR 2006	100 M. BRST
200 M. FLY	11:17.74 MAXINE MERLINO USA 2002	3:12.88 MARIA LENK USA 2005
5:49.75 JEAN DURSTON USA 1999	11:19.66 MARIA LENK USA 2005	3:21.95 M.GOTTSCALK GER 1999
6:35.26 MAXINE MERLINO USA 1998	11:44.11 JULIA DOLCE USA 1999	3:49.99 EVA MULLER USA 2003
7:18.41 KATHERINE PELTON USA 1990	11:45.66 AILEEN SOULE USA 1997	4:38.15 LUZIA CARACCILO BRA 2004
13:47.11 SALLY SCOTT USA 1994	13:36.32 CLARICE ARTIS AUS 2005	5:06.09 DEL ROWLEY AUS 1996
15:09.25 MARTHA KELLER USA 1986	13:43.50 MADELEINE MILLER USA 2002	5:10.63 MADELEINE MILLER USA 2000
15:37.46 ELFIE STEVENIN USA 2006	13:49.96 MARY LATHRAM USA 2005	6:12.82 HILDA BUEL USA 2004
200 M. I.M.	14:00.38 BERNARDA ANGULO ESP 2002	200 M. BRST
5:16.68 JEAN DURSTON USA 1999	15:01.48 MASAKO MATSUNO JPN 2006	6:57.76 MARIA LENK USA 2005
5:25.65 RITA SIMONTON USA 2004	800 M. FREE	8:30.18 EVA MULLER USA 2002
5:27.56 MAXINE MERLINO USA 1997	22:42.50 WILLY VAN RYSEL GBR 2006	10:39.50 DEL ROWLEY AUS 1995
5:39.68 MARIA LENK BRA 2000	23:01.12 MARIA LENK BRA 2005	11:42.20 MADELEINE MILLER USA 2000
5:48.87 MICHELE GUILLAIS FRA 2006	23:04.42 MAXINE MERLINO USA 2002	50 M. FLY
5:51.75 MICHICO HAMURO JPN 2004	28:07.33 JULIA DOLCE USA 2001	4:42.00 HILDA BUEL USA 2006
6:08.67 GERTRUD ZINT USA 2002	29:48.74 CLARICE ARTIS AUS 2006	4:57.25 ANNA BAUSCHER USA 1994
6:17.06 JEWEL COOKE USA 1996	30:55.09 ANNA BAUSCHER USA 1994	200 M. I.M.
6:22.22 KAY SCHIMPF USA 2002	31:29.80 MASAKO MATSUNO JPN 2006	6:35.70 MAXINE MERLINO USA 2003
6:26.81 EVA MULLER USA 1999	33:09.44 BERNARDA ANGULO ESP 2004	12:03.55 HILDA BUEL USA 2004
400 M. I.M.	1500 M. FREE	12:10.93 ANNA BAUSCHER USA 1994
11:10.37 JEAN DURSTON USA 1999	42:30.27 WILLY VAN RYSEL GBR 2006	*****
11:21.06 MAXINE MERLINO USA 1997	44:46.30 MAXINE MERLINO USA 2002	WOMEN 95-99
13:15.87 JEWEL COOKE USA 1996	50:26.49 JULIA DOLCE USA 1999	*****
13:38.34 GERTRUDE ZINT USA 2003	52:51.69 MARY LATHRAM USA 2005	50 M. FREE
13:49.14 KAY SCHIMPF USA 2002	50 M. BACK	1:14.38 SHIZUE SHIMIZU JPN 2006
14:02.65 KATHERINE PELTON USA 1990	1:03.49 AILEEN SOULE USA 1996	1:17.53 JULIA DOLCE USA 2005
14:57.79 EVA MULLER USA 2001	1:05.08 WILLY VAN RYSEL GBR 2006	1:18.07 MARGO BATES AUS 2005
17:32.14 SUSAN HANSON USA 2000	1:10.29 AUDREY ETIENNE USA 2006	1:47.25 BETTY JONES AUS 2004
19:48.28 MARTHA KELLER USA 1986	1:13.42 M.GOTTSCALK GER 1999	1:55.57 MARGE ANDERSON CAN 1998
20:01.56 HILDA BUEL USA 2000	1:17.68 EVA MULLER USA 2003	1:59.22 ROSA SELLARES ESP 2005
*****	1:19.05 ANNE WALKER USA 2006	2:31.31 ELLEN TAIT USA 2006
WOMEN 90-94	1:19.42 MARIA LENK BRA 2005	100 M. FREE
*****	1:19.87 MIEKO NAGAOKA JPN 2006	3:08.43 JULIA DOLCE USA 2005
50 M. FREE	1:20.22 RITA DAVOGLIO ITA 2003	3:09.64 MARGO BATES AUS 2006
55.76 AILEEN SOULE USA 1996	1:22.62 MARY LATHRAM USA 2005	4:06.70 MARGE ANDERSON CAN 1998
58.80 JULIA DOLCE USA 1999	100 M. BACK	4:14.70 M.DE FROMONT FRA 2006
1:02.28 AUDREY ETIENNE USA 2006	2:23.23 AILEEN SOULE USA 1996	200 M. FREE
1:05.14 MARIA LENK-ZIGLER USA 2005	2:25.93 WILLY VAN RYSEL GBR 2006	7:34.27 MARGO BATES AUS 2005
1:06.11 WILLY VAN RYSEL GBR 2006	2:47.05 MARIA LENK BRA 2005	8:57.26 M.DE FROMONT FRA 2006
1:08.13 TOSHI KUBO JPN 2006	2:49.46 M.GOTTSCALK GER 1999	400 M. FREE
1:08.20 MARGO BATES AUS 2002	2:53.84 JULIA DOLCE USA 2000	18:32.26 M.DE FROMONT FRA 2006
1:11.55 SHIZUE SHIMIZU JPN 2005	2:57.98 MIEKO NAGAOKA JPN 2006	50 M. BACK
1:12.10 MAXINE MERLINO USA 2002	2:58.18 AUDREY ETIENNE USA 2006	1:42.07 JULIA DOLCE USA 2005
1:14.61 ANNE WALKER USA 2006	2:58.31 EVA MULLER USA 2002	1:57.79 MARGE ANDERSON CAN 1998
100 M. FREE	3:01.74 RITA DAVOGLIO ITA 2002	2:00.33 ROSA SELLARES ESP 2005
2:19.14 AUDREY ETIENNE USA 2006	3:05.85 ANNE WALKER USA 2006	2:10.58 MARGO BATES AUS 2006
2:19.62 AILEEN SOULE USA 1996	200 M. BACK	100 M. BACK
2:19.87 JULIA DOLCE USA 2000	5:17.36 WILLY VAN RYSEL GBR 2006	4:16.79 MARGE ANDERSON CAN 1998
2:30.82 MARIA LENK USA 2005	5:29.07 AILEEN SOULE USA 1997	4:18.07 ROSA SELLARES ESP 2005
2:31.17 WILLY VAN RYSEL GBR 2006	5:41.35 MARIA LENK BRA 2005	4:48.93 MARGO BATES AUS 2005
2:35.50 MAXINE MERLINO USA 2002	5:56.93 JULIA DOLCE USA 2000	50 M. BRST
2:40.77 MARGO BATES AUS 2002	6:24.72 CLARICE ARTIS AUS 2005	4:20.32 ROSA SELLARES ESP 2005
2:51.03 ANNE WALKER USA 2006	6:28.70 EVA MULLER USA 2003	*****
3:12.76 BETH HANKS USA 2006	6:28.71 RITA DAVOGLIO ITA 2002	WOMEN 100-104
3:16.22 MARY LATHRAM USA 2005	6:28.75 MIEKO NAGAOKA JPN 2006	*****
200 M. FREE	6:37.65 ANNE WALKER USA 2006	50 M. FREE
5:06.38 AUDREY ETIENNE USA 2006	6:54.20 MARY LATHRAM USA 2005	5:10.84 MARY MAINA AUS 1994
5:16.84 WILLY VAN RYSEL GBR 2006	50 M. BRST	*****
5:19.36 JULIA DOLCE USA 1999	1:25.91 MARIA LENK BRA 2005	M E N 25-29
5:21.55 AILEEN SOULE USA 1996	1:26.57 M.GOTTSCALK GER 1999	
5:22.49 MAXINE MERLINO USA 2002	1:35.23 YOSHI KUCHIBA JPN 1998	
	1:43.58 MADELEINE MILLER USA 2000	

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

50 M. FREE	
22.79 A.WADDELL	AUS 1992
23.49 TIM EHLKES	GER 2004
23.49 V.HAVLICEK	CZE 2000
23.52 NAOKI NAGURA	JPN 2006
23.55 HANS BIJLEMANS	BEL 1998
23.58 DANIEL SUMMERLIN	USA 1998
23.60 JERROD KAPPLER	USA 2005
23.61 NICK SHACKELL	USA 2000
23.64 OLAF AHLERS	GER 1992
23.78 DAVIDE DIAMBRI	ITA 2004
100 M. FREE	
50.74 NICK SHACKELL	USA 2000
51.63 KOHEI KAWAMOTO	JPN 2005
51.81 TIM EHLKES	GER 2004
51.87 SION BRINN	USA 2002
51.92 NAOKI NAGURA	JPN 2006
51.92 A.WADDELL	AUS 1992
51.94 SVEN GROSSE	GER 2003
51.96 ANDREW MANLEY	GBR 2003
52.08 JOHN KEPPELER	USA 1992
52.17 HANS BIJLEMANS	BEL 1998
200 M. FREE	
1:51.00 JOHN KEPPELER	USA 1996
1:52.19 JOE TRISTAN	USA 2000
1:53.76 MICHAEL KIEDEL	USA 2000
1:53.86 STEVEN MELLOR	GBR 2001
1:54.68 BART REYMER	BEL 1998
1:54.87 NEIL TAIT	GBR 1996
1:56.00 ANDREW MANLEY	GBR 2003
1:56.28 MARCUS MATTIOLI	ITA 1988
1:56.57 BENJAMIN WESTON	USA 2006
1:56.61 PHILIPP GILGEN	SUI 2003
400 M. FREE	
4:00.98 HONZA VITAZKA	USA 2002
4:01.70 STEVE MELLOR	GBR 2001
4:02.95 BART REYMER	BEL 1998
4:03.63 ALEX KOSTICH	USA 1997
4:05.99 CHIP HOBSON	USA 1994
4:06.99 MARCUS MATTIOLI	ITA 1988
4:07.72 ROLAND LEE	GBR 1992
4:07.73 CAMERON REID	USA 1987
4:10.15 BERT VAN POUCKE	BEL 1994
4:10.62 JEFFREY UTSCH	USA 1995
800 M. FREE	
8:24.67 ALEX KOSTICH	USA 1997
8:29.22 NICOLAS GRANGER	FRA 1994
8:32.92 NEIL TAIT	GBR 1996
8:35.91 CHIP HOBSON	USA 1994
8:36.83 JEFF ERWIN	USA 1992
8:36.88 JOHN PEARSON	USA 1992
8:37.24 FRANK WERNER	GER 1996
8:41.43 MARCUS MATTIOLI	ITA 1988
8:44.97 MATTHEW DRISCOLL	GBR 1996
8:45.39 JOHN CALNAN	CAN 2006
1500 M. FREE	
16:13.89 ALEX KOSTICH	USA 1997
16:28.63 C.HANSMANN	GER 2002
16:28.69 CAMERON REID	USA 1987
16:31.20 JOHN CALNAN	CAN 2006
16:42.87 JOHN PEARSON	USA 1991
16:43.36 GREGORY FUENTES	ECU 1999
16:43.39 RON NEUGENT	USA 1987
16:46.97 MATTHEW DRISCOLL	GBR 1995
16:47.90 ANDREA MARCATO	ITA 2002
16:49.25 BOBBY PATTEN	USA 1989
50 M. BACK	

27.09 LEONARDO GOMES	BRA 2003
27.18 THORSTEN HERRMANN	GER 2003
27.29 ROBERT KROLL	GER 2005
27.39 R.ARANTES	BRA 1986
27.39 HANS BIJLEMANS	BEL 1998
27.41 RAFAEL JAKUBIETZ	GER 2000
27.42 KEITARO KONNAI	JPN 2004
27.42 ROBERT HAUCK	USA 1993
27.46 SHINGO SEKIGUCHI	JPN 2005
27.48 CLAY BRITT	USA 1989
100 M. BACK	
57.45 JON WINTER	NZL 1997
58.00 JAMES CHADWICK	GBR 2004
58.24 JOHN KEPPELER	USA 1992
58.92 ROBERT HAUCK	USA 1993
58.97 GARETH LLEWELLYN	GBR 2004
59.00 R.ARANTES	BRA 1986
59.10 TAKUMA YAMAOKA	JPN 2006
59.24 KENTARO NAKAMURA	JPN 2002
59.25 THORSTEN HERRMANN	GER 2006
59.25 RAFAEL JAKUBIETZ	GER 2000
200 M. BACK	
2:07.57 JOHN KEPPELER	USA 1992
2:08.23 NICOLAS GRANGER	FRA 1994
2:08.59 HIROSHI NISHIMURA	JPN 2001
2:08.65 ROBERT HAUCK	USA 1993
2:09.13 JEROME FAROUZE	FRA 2003
2:09.19 DARRYL FOLLOWS	NZL 1993
2:10.30 SHINYA HAYASHI	JPN 2005
2:10.47 TAKUMA YAMAOKA	JPN 2005
2:11.52 JAY YARID	USA 1992
2:11.57 THORSTEN HERRMANN	GER 2006
50 M. BRST	
28.68 JAMES PARRACK	GBR 1996
28.98 SETH VAN NEERDEN	USA 1997
29.14 CHRIS STEWART	RSA 2006
29.30 BASTIAN KAMPMANN	GER 2003
29.37 ROBERT BUTCHER	USA 1997
29.39 TONY REZEK	USA 1999
29.52 JEFF COMMINGS	USA 2003
29.55 S.GOLOVCHENKO	URS 1990
29.60 SIMON LEIGHFIELD	AUS 2002
29.63 PETTERI LEHTINEN	FIN 2001
100 M. BRST	
1:04.11 JAMES PARRACK	GBR 1996
1:04.49 SIMON LEIGHFIELD	AUS 2002
1:04.60 DAVID LUNDBERG	USA 1989
1:04.78 KAZUO SHIN	JPN 1998
1:05.11 GREG OWEN	USA 2006
1:05.67 CHRISTOPHER JONES	GBR 2006
1:05.72 MATTHEW CHAPPEL	GBR 2004
1:05.76 ROBERT BUTCHER	USA 1997
1:05.80 JEFF COMMINGS	USA 2003
1:05.89 GUILLAUME FILION	CAN 2005
200 M. BRST	
2:20.25 SIMON LEIGHFIELD	AUS 2002
2:24.69 PETER ROSS	GBR 2006
2:24.99 MICHAEL MOLONEY	AUS 1994
2:25.91 CHRISTOPHER JONES	GBR 2006
2:25.99 MATTHEW CHAPPEL	GBR 2004
2:26.01 EITA TSUMURA	JPN 1998
2:26.32 ABRAHAM SOLANO	USA 1996
2:26.37 SASCHA JANITZKI	GER 2004
2:26.38 ROBERT BUTCHER	USA 1997
2:26.54 THOMAS NARNHOFER	AUT 2002
50 M. FLY	
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 HAUT	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 HAUT	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

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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 SIONG 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	YOSHIHITO 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
400 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				
8:55.03	CHRISTOPHER BLACK	USA	2003	2:21.87	RON KARNAUGH	USA	2001				
1500 M. FREE				2:24.26	ALBERTO MONTINI	ITA	2004				
16:37.34	ROWDY GAINES	USA	1995	2:24.37	DAVID GUTHRIE	USA	1995	50 M. FREE			
16:45.04	MIKE SHAFFER	USA	2002	2:26.05	WALLY DICKS	USA	2000	23.30	STEPHAN VOLERY	SUI	2001
16:50.83	ERIK HOCHSTEIN	USA	2003	2:27.55	ROQUE SANTOS	USA	2006	24.14	DAVID BOATWRIGHT	USA	2003
16:59.46	DANIEL VEATCH	USA	2001	2:29.20	P.MORENO	COL	1996	24.25	BRENT BARNES	JPN	1998
17:08.23	MICHAEL KLEIBER	GER	2001	2:29.95	MICHAEL RUFFNER	USA	2001	24.36	JANNE VIRTANEN	FIN	2004
17:10.80	CHRISTOPHER BLACK	USA	2003	2:30.28	R.ARGUELLES	PAN	2004	24.39	JOHN SMITH	USA	2006
17:11.82	PAUL ASMUTH	USA	1994	2:30.42	DAVID LUNDBERG	USA	1998	24.39	RICK ABBOTT	USA	1995
17:11.89	GEOFFREY GLASER	USA	2003	50 M. FLY				24.40	CHUCK PONTHER	USA	2006
17:15.37	BENEDIKT NOSS	GER	2003	24.75	MARK FOSTER	GBR	2005	24.48	METELLO SAVINO	ITA	2005
17:17.00	JIMMY FURRER	SUI	1997	25.00	WADE KING	USA	2002	24.54	JOAKIM SJOHOLM	SWE	2004
50 M. BACK				25.31	JAN KARLSSON	SWE	2005	24.57	RICH SAEGER	USA	2006
27.50	MICHAEL ROSS	USA	2004	25.49	MICHAEL ROSS	USA	2004	100 M. FREE			
27.60	J CLAY BRITT	USA	1999	25.62	TYLER JOURDONNAIS	USA	2000	53.45	RICH SAEGER	USA	2006
27.68	RICK GOULD	USA	2006	25.78	GABRIELE MAINI	ITA	2004	53.66	JOAKIM SJOHOLM	SWE	2004
27.70	EDILSON SILVA	BRA	2006	25.89	HARTMUT BERNER	GER	2004	53.69	CYRO DELGADO	BRA	2002
27.73	DEREK ROBINSON	USA	2004	25.89	THOMAS REDIG	USA	1999	53.78	JACK GROSELLE	USA	1998
28.04	ERIC ERICSON	USA	2000	25.91	RAMON VOLCAN	VEN	1993	53.98	METELLO SAVINO	ITA	2006
28.15	Y.NAKAHARA	JPN	2006	25.92	DAVID LAWSON	USA	2006	54.03	PAUL CARTER	USA	2001
28.27	GIUSEPPE TIANO	ITA	2005	25.92	ARTURS YAKOVLEVS	LAT	2004	54.26	DAVID BOATWRIGHT	USA	2003
28.36	BERNIE ZERUHN	USA	2006	100 M. FLY				54.27	JOHN SMITH	USA	2006
28.37	MIKE MCINTYRE	USA	1989	56.07	MICHAEL ROSS	USA	2004	54.32	JAMES SORENSEN	USA	1999
100 M. BACK				56.39	TYLER JOURDONNAIS	USA	2000	54.43	MARCEL EKKELBOOM	GER	2005
59.18	MICHAEL ROSS	USA	2006	56.41	BERNIE ZERUHN	USA	2006	200 M. FREE			
59.91	ERIC ERICSON	USA	2000	56.60	JEFF STUART	USA	1996	1:55.06	RICH SAEGER	USA	2006
1:00.00	RICK GOULD	USA	2006	57.10	HENRY CLARK	USA	2003	1:58.50	KAI DITZEL	GER	2004
1:00.13	J CLAY BRITT	USA	1999	57.39	PHILIPPE MEYER	SUI	2006	1:58.60	ROSS DAVIS	USA	2006
1:00.29	RICHARD SAEGER	USA	2001	57.39	WILLIAM SPECHT	USA	1994	1:58.61	PAUL SMITH	USA	2001
1:00.44	RONALD KARNAUGH	USA	2003	57.66	MICHAEL SORENSEN	USA	2004	1:58.74	JURE BUCAR	SLO	2006
1:00.51	DEREK ROBINSON	USA	2004	58.06	MICHAEL BOTTOM	USA	1993	1:58.94	STUART CROMARTY	USA	2004
1:00.72	EDILSON SILVA	BRA	2006	58.08	JAMES BELARDI	USA	1992	1:59.25	HENRY CLARK	USA	2006
1:00.72	Y.NAKAHARA	JPN	2006	200 M. FLY				1:59.38	PAUL CARTER	USA	2001
1:00.84	NICHOLAS GRANGER	FRA	2002	2:06.74	JEFF STUART	USA	1996	2:00.43	ALAIN BELLAGUET	FRA	2005
200 M. BACK				2:07.13	BERNIE ZERUHN	USA	2006	2:00.57	MARCO COLOMBO	ITA	2004
2:07.16	RON KARNAUGH	USA	2001	2:08.51	WILLIAM SPECHT	USA	1994	400 M. FREE			
2:09.26	DANIEL VEATCH	USA	2000	2:08.65	MIKE SHAFFER	USA	2002	4:11.55	DENNIS BAKER	USA	2004
2:09.65	DARRYL FOLLOWS	NZL	2002	2:09.03	PHILIPPE MEYER	SUI	2006	4:13.82	JURE BUCAR	SLO	2006
2:10.38	NICHOLAS GRANGER	FRA	2002					4:14.37	MICHAEL PRUFERT	GER	2006

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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	50 M. FREE			
16:54.95	MICHAEL PRUFERT	GER	2006	2:31.53	V.PYLYPCHENKO	UKR	2006	24.26	BRENT BARNES	JPN	2004
16:58.52	HESS YNTEMA	USA	1995	2:32.17	RICK COLELLA	USA	1992	24.29	PAUL SMITH	USA	2006
17:05.53	JOSEPH RHYNE	USA	1999	2:33.80	PLAMEN ALEXANDROV	USA	2003	24.74	MARCO COLOMBO	ITA	2005
17:14.13	GEORGE TIDMARSH	USA	2003	2:34.57	JURGEN BRUHN	GER	1996	24.75	GARY SCHATZ	USA	2000
17:16.27	MIKE SHAFFER	USA	2005	2:34.96	ANTHONY ODRISCOLL	GBR	2000	24.87	G.GIGLIETTI	ITA	2006
17:26.47	GERRY RODRIGUES	USA	2005	2:34.97	GLEN CHRISTIANSEN	SWE	1997	24.92	JACK GROSELLE	USA	2000
17:32.19	KAI DITZEL	GER	2003	2:35.78	MANFRED KODER	GER	2005	24.94	LARRY FORSYTH	AUS	2004
17:33.33	PAOLO CARMINATI	ITA	2004	50 M. FLY				24.98	DAVID BOATWRIGHT	USA	2006
17:35.80	STEFANO SEGUIITI	ITA	2002	25.87	PAUL SMITH	USA	2000	25.02	RICK ABBOTT	USA	2002
50 M. BACK				25.90	HARTMUT BERNER	GER	2005	25.06	CYRO DELGADO	BRA	2006
27.88	CLAY BRITT	USA	2002	26.01	ROBERTO TARRICONE	ITA	2004	100 M. FREE			
28.51	BRAD COOPER	AUS	1994	26.20	STEVE HILTABIDDLE	USA	2006	53.77	MARCO COLOMBO	ITA	2005
28.53	RICH SAEGER	USA	2006	26.32	CHUCK PONTHER	USA	2006	53.90	JACK GROSELLE	USA	1999
28.59	SEAN MURPHY	USA	2006	26.33	WILLIAM SPECHT	USA	1998	54.22	JAMES MONTGOMERY	USA	2002
28.69	PETER ROCCA	USA	1999	26.37	GABRIELE MAINI	ITA	2006	54.41	PAUL SMITH	USA	2006
28.72	FRITZ LEHMAN	USA	2000	26.38	RAMON VOLCAN	VZL	1998	54.83	DAVID BOATWRIGHT	USA	2006
28.87	CRAIG NORREY	SUI	2001	26.43	PAUL CARTER	USA	2001	55.35	PAUL CARTER	USA	2002
28.88	WILLIAM SPECHT	USA	1999	26.52	PENG SIONG ANG	SIN	2002	55.51	GARY SCHATZ	USA	2000
28.92	JOHN ENGS	USA	2006	100 M. FLY				55.58	STEVE WOOD	USA	2005
29.10	CLAY EVANS	USA	1996	57.57	PAUL CARTER	USA	2001	55.66	TERRY DOWNES	RSA	1994
100 M. BACK				57.62	HENRY CLARK	USA	2005	55.67	LARRY FORSYTH	AUS	2004
1:00.64	RICH SAEGER	USA	2006	57.79	WILLIAM SPECHT	USA	1999	200 M. FREE			
1:00.91	CLAY BRITT	USA	2002	57.97	DENNIS BAKER	USA	2004	1:59.56	MARCUS MATTIOLI	BRA	2006
1:00.95	SEAN MURPHY	USA	2006	58.64	PAUL SMITH	USA	2000	2:00.33	MARCO COLOMBO	ITA	2005
1:02.48	WILLIAM SPECHT	USA	1998	58.68	HARTMUT BERNER	GER	2005	2:00.44	PAUL SMITH	USA	2006
1:02.58	ROSS DAVIS	USA	2006	58.70	MIKE SHAFFER	USA	2006	2:00.89	DAN STEPHENSON	USA	2002
1:02.61	FRITZ LEHMAN	USA	2001	58.85	STEVE HILTABIDDLE	USA	2006	2:01.25	DANIEL MACHEK	CZE	2006
1:02.66	CHRIS STEVENSON	USA	2006	58.86	ALEXEY FILONOV	RUS	2004	2:01.30	JACK GROSELLE	USA	2002
1:02.80	DARIUSZ WOLNY	POL	2000	59.02	HESS YNTEMA	USA	1995	2:01.67	JAMES MONTGOMERY	USA	2002
1:03.39	PETER R. O'KEEFFE	USA	1990	200 M. FLY				2:01.99	BOB BUGG	USA	2004
1:03.45	JAMES BALLARD	USA	1998	2:05.55	DENNIS BAKER	USA	2004	2:03.30	STEVE WOOD	USA	2006
200 M. BACK				2:09.47	WILLIAM SPECHT	USA	1998	2:03.49	CYRO DELGADO	BRA	2006
2:13.37	SEAN MURPHY	USA	2006	2:10.20	MIKE SHAFFER	USA	2006	400 M. FREE			
2:14.61	JOHN ENGS	USA	2006	2:11.53	JAMES BELARDI	USA	1997	4:14.81	MARCUS MATTIOLI	BRA	2006
2:14.83	DANIEL VEATCH	USA	2006	2:12.43	HESS YNTEMA	USA	1996	4:15.16	DENNIS BAKER	USA	2006
2:15.35	ROSS DAVIS	USA	2006	2:12.66	JOSEPH RHYNE	USA	1999	4:20.23	DANIEL MACHEK	CZE	2006
2:15.49	WILLIAM SPECHT	USA	1999	2:14.10	A.LAVEGLIA	ITA	2006	4:21.13	DAN STEPHENSON	USA	2002
2:16.09	SCOTT SHAKE	USA	1999	2:14.83	DAMIANO NANETTI	ITA	2002	4:21.16	JIM MCCONICA	USA	1999
2:16.58	CHRIS STEVENSON	USA	2006	2:15.14	A.TIBERTI	ITA	2003	4:22.26	FRANK CHRISTIAN	AUS	2005
2:17.29	DARIUSZ WOLNY	POL	2002	2:15.91	CHRIS STEVENSON	USA	2006	4:23.49	GEORGE TIDMARSH	USA	2005
2:17.32	JENS-PETER BERNDT	USA	2004	200 M. I.M.				4:24.37	TIM BRODERICK	USA	1996
2:18.17	PETER R. O'KEEFFE	USA	1990	2:15.10	JENS-PETER BERNDT	USA	2004	4:24.61	NEIL BROPHY	USA	2006
50 M. BRST				2:15.53	JAMES SORENSEN	USA	1998	4:25.90	GRAHAM WELBOURN	CAN	2006
30.51	GERHARD AMMER	GER	2000	2:16.51	DARIUSZ WOLNY	POL	2000	800 M. FREE			
30.52	MARCO BOBBIO	ITA	2004	2:17.53	JOHN SMITH	USA	2006	8:42.85	MARCUS MATTIOLI	BRA	2006
30.54	ROBERTO TARRICONE	ITA	2004	2:17.64	HESS YNTEMA	USA	1995	8:58.84	JIM MCCONICA	USA	1999
30.56	GLEN CHRISTIANSEN	SWE	1998	2:17.95	BRETT PHILLIPS	USA	2001	9:03.54	DANIEL MACHEK	CZE	2004
30.79	MARK RUTLEDGE	USA	2006	2:18.08	ANDERS RASMUSSEN	USA	2004	9:07.99	GEORGE TIDMARSH	USA	2006
								9:08.34	MARK DRENNEN	USA	2004

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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			M E N 50-54		
9:14.77 JIM CALLAHAN	USA	2002	2:31.42 DAVID GUTHRIE	USA	2006	*****		
1500 M. FREE			2:33.74 THOMAS LIGL	GER	2006	50 M. FREE		
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 SCHAFER	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

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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 BOO 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 GALLETTY 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 GALLETTY 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 PAEHR 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	M E N 55-59	19:40.64 STEVE JOHNSON USA 2003
2:35.08 LORENZO MARUGO ITA 2004	*****	50 M. BACK
2:39.08 RICK COLELLA USA 2001	50 M. FREE	30.37 GARY HALL USA 2006
2:40.57 ROBERT STRAND USA 1996	25.53 RICHARD ABRAHAMS USA 2002	30.78 HUGH WILDER USA 2004
2:42.74 SPENCER ELDRED USA 2006	25.74 PAUL TREVISAN USA 2006	31.10 KIERAN KELLEHER ITA 2003
2:42.88 RONNY OLTNER SWE 2006	26.00 LEONARD BIELICZ SWE 2006	31.22 RICHARD BOBER USA 2006
2:43.15 DAVID WHITE USA 2006	26.04 TERRY DOWNES RSA 2004	31.52 ROBERT SMITH USA 1998
2:44.60 TIMOTHY SHEAD USA 2002	26.11 STEVE BOROWSKI USA 2002	31.71 TIM BIRNIE USA 2000
2:45.15 STUART CORLISS USA 2006	26.15 TOM GEIMAN USA 2004	31.94 TOM GEIMAN USA 2004
2:46.85 G.HOFFMANN USA 2006		31.98 CHARLES WOLFF USA 2006

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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 GALLETLY	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 GALLETLY	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 GALLETLY	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 GALLETLY	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	M E N 60-64		20:37.33 JEAN CLAUDE FAURE	FRA 2005
200 M. BRST		*****		50 M. BACK	
2:46.31 ROBERT STRAND	USA 2001	50 M. FREE		32.11 RICHARD BURNS	USA 2003
2:50.44 WILLIAM GONZALEZ	USA 1997	25.23 RICHARD ABRAHAMS	USA 2006	32.66 TIM BIRNIE	USA 2006
2:50.48 JIM CLEMMONS	USA 2006	26.70 JEFF FARRELL	USA 1998	32.76 J.LESTIDEAU	FRA 2006
2:51.10 GERSHON SHEFA	ISR 2001	26.94 JAMES ELDER	USA 2006	33.00 JOZEF CSIKANY	HUN 2005
2:51.25 TAKEO HIRAMOTO	JPN 2006	27.02 JAMES DE LACY	USA 2006	33.01 ROBERT SMITH	USA 2003
2:52.11 ALLEN STARK	USA 2006	27.38 VINUS VAN BAALEN	USA 2006	33.13 YOSHI OYAKAWA	USA 1994
2:52.66 BOB HATHERLY	RSA 2006	27.60 DAVID QUIGGIN	USA 2004	33.18 JACK GEOGHEGAN	USA 2002
2:52.94 KENNETH FROST	USA 1999	27.62 ROBERT SMITH	USA 2003	33.65 RICHARD ALEXANDER	USA 2004
2:54.08 JOHN DERR	USA 2004	27.63 KEEFE LODWIG	USA 2003	33.68 JOHN SMITH	USA 1998
2:54.08 TEGZE HARASZTI	USA 1998	27.66 MASAMI TATEISHI	JPN 2000	33.76 BILL EARLEY	USA 1996
50 M. FLY		27.68 PETER ANDERSEN	USA 2003	100 M. BACK	
27.43 RICHARD ABRAHAMS	USA 2002	100 M. FREE		1:11.89 RICHARD BURNS	USA 2006
27.62 GREG SHAW	USA 2006	58.61 RICHARD ABRAHAMS	USA 2005	1:12.62 JOZSEF CSIKANY	HUN 2006
27.80 STEVE BOROWSKI	USA 2003	59.66 JAMES DE LACY	USA 2006	1:12.90 TIM BIRNIE	USA 2006
28.22 KEEFE LODWIG	USA 1998	1:00.11 JEFF FARRELL	USA 1998	1:14.23 J.LESTIDEAU	FRA 2006
28.29 GARY HALL	USA 2006	1:00.27 DAVID QUIGGIN	USA 2004	1:14.38 BARRY YOUNG	NZL 2002
28.42 LEONARD BIELICZ	SWE 2006	1:01.25 KEEFE LODWIG	USA 2003	1:14.72 YOSHI OYAKAWA	USA 1994
28.62 ALEXANDER MILLS	NOR 2006	1:02.08 ALAN BROWN	AUS 2006	1:14.75 ALEXANDER KRYUKOV	RUS 2006
28.64 JOEL BURNS	USA 2003	1:02.45 TONY STRAHAN	AUS 2002	1:15.36 WOLFRAM HAENSEL	GER 2006
28.68 DON MEHL	USA 2006	1:02.53 CHRIS DUNN	GBR 2006	1:15.59 EDWARD CAZALET	USA 2002
28.68 BERND SCHRODER	GER 1999			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 JOSEP 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 JOSEP 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 2003	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	

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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 REICHELT	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	100 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 REICHELT	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)

1:27.70	CLAUDIO NEGRI	ITA	2006	6:53.78	ANRI VESHCHAGIN	RUS	2006	24:34.77	ROGER FRANKS	USA	2002
1:28.27	PETER BELL	CAN	2005	6:55.30	THOMAS WALKER	GBR	2005	24:49.56	FRANK PIEMME	USA	2000
1:28.63	HANS REICHELT	GER	2006	6:55.41	CLAUDIO NEGRI	ITA	2006	24:51.78	DOMEI SUZUKI	JPN	1995
1:29.19	WERNER MULLER	GER	2003	6:56.35	VALENTIN WEBER	GER	1997	24:53.76	RAYMOND TAFT	USA	1995
1:29.47	JOHN KORTHEUER	USA	2001	6:57.96	DIETER LOELIGER	AUS	2004	25:27.88	MAURICE LUSIEN	FRA	2002
1:29.51	BOB PATTEN	USA	2004	6:58.47	HERB KERN	USA	2002	25:41.55	HERBERT HOWE	USA	1987
1:29.52	MANUEL SANGUILY	USA	2003					25:57.77	ROBERT BEACH	USA	2005
1:30.21	CLAUDE SIBBILLE	FRA	2005	*****				26:00.48	JURGEN SCHMIDT	USA	1998
200 M. BRST				M E N 75-79				50 M. BACK			
3:11.67	CLAUDIO NEGRI	ITA	2006	*****				37.51	KEIJIRO NAKAMURA	JPN	1998
3:14.47	HANS REICHELT	GER	2006	50 M. FREE				39.24	PAUL HUTINGER	USA	2000
3:14.76	THOMAS WALKER	GBR	2006	31.05	SHINGO YAMAMOTO	JPN	2006	39.49	RAY TAFT	USA	1994
3:18.11	PETER BELL	CAN	2005	31.14	ALDO EMINENTE	FRA	2006	39.61	CHARLES BALDWIN	USA	2005
3:18.20	BOB PATTEN	USA	2004	31.19	FRANK PIEMME	USA	2000	40.42	SHOICHI SHIDA	JPN	2003
3:19.82	TSUTOMU KAJIHARA	JPN	2003	32.04	MAX VAN GELDER	AUS	2005	40.58	HORACE KNOWLTON	USA	2004
3:20.55	TETSUO NAKAMARU	JPN	2005	32.07	KEIJIRO NAKAMURA	JPN	1998	40.70	CLIFF WARD	GBR	2006
3:20.72	CLAUDE SIBBILLE	FRA	2005	32.28	SHOICHI SHIDA	JPN	2001	40.72	MINORU UEMURA	JPN	2006
3:22.80	HARTMUT LEMCKE	GER	2005	32.33	HIDEAKI KATO	JPN	1996	40.73	MASAKI INABA	JPN	1998
3:24.61	WERNER MULLER	GER	2003	32.47	C.BRUNELLESCHI	ITA	1998	40.88	SHOICHI SAKAMOTO	JPN	1996
50 M. FLY				32.52	JOHN MILLS	AUS	2002	100 M. BACK			
31.84	HIROSHI MATSUMOTO	JPN	2006	32.77	JOHN FLORANCE	USA	1998	1:26.00	KEIJIRO NAKAMURA	JPN	1998
32.11	RONALD JOHNSON	USA	2001	100 M. FREE				1:29.47	ROGER FRANKS	USA	2002
32.90	BOB BAILIE	USA	2005	1:10.38	GRAHAM JOHNSTON	USA	2006	1:29.52	RAYMOND TAFT	USA	1995
33.61	J. LOUIS LE DALL	FRA	2003	1:11.40	SHINGO YAMAMOTO	JPN	2006	1:29.93	PAUL HUTINGER	USA	2000
33.79	FRANK PIEMME	USA	1996	1:13.84	RAYMOND TAFT	USA	1995	1:31.27	HORACE KNOWLTON	USA	2004
33.91	CHUCK BALDWIN	USA	2000	1:14.00	SHOICHI SHIDA	JPN	2001	1:31.50	DUANE DRAVES	USA	2001
34.59	JENO ATS	CAN	2006	1:14.24	FRANK PIEMME	USA	2001	1:31.93	H. MIYAZAKI	JPN	1995
34.65	WOLFRAM GOTTFRIED	GER	2002	1:14.82	ALDO EMINENTE	FRA	2006	1:32.36	SHOICHI SAKAMOTO	JPN	1996
34.98	WERNER MULLER	GER	2003	1:14.86	KELLEY LEMMON	USA	1987	1:32.40	GORO TANIGUCHI	JPN	1997
35.13	JACK HALE	GBR	1992	1:14.94	MAX VAN GELDER	AUS	2005	1:32.44	FLOYD ELIOTT	USA	2001
100 M. FLY				1:15.11	HIDEAKI KATO	JPN	1996	200 M. BACK			
1:19.44	WOLFRAM GOTTFRIED	GER	2002	1:15.19	ROD BAKER	AUS	2003	3:10.25	ROGER FRANKS	USA	2002
1:21.64	RONALD JOHNSON	USA	2001	200 M. FREE				3:10.64	KEIJIRO NAKAMURA	JPN	1998
1:22.45	TAKASHI HAYASHI	JPN	2005	2:36.30	GRAHAM JOHNSTON	USA	2006	3:15.00	RAY TAFT	USA	1995
1:22.55	WERNER MULLER	GER	2003	2:46.28	HIROSHI YOSHIMURA	JPN	2003	3:17.54	BOB MILLER	USA	2006
1:23.69	ERNIE LESKOVITZ	USA	2006	2:49.91	FUMIO EGAMI	JPN	2005	3:21.34	ROGER BURRELL	GBR	2006
1:23.69	SEYMOUR BANNING	GBR	2003	2:50.01	FRANK PIEMME	USA	2000	3:22.94	PAUL HUTINGER	USA	2000
1:24.84	JOSEPH KURTZMAN	USA	1996	2:50.25	DAVE ANDERSON	USA	2006	3:23.38	BOB BARRY	AUS	2006
1:25.93	JESUS DOMINGUEZ	ESP	1996	2:51.62	RAYMOND TAFT	USA	1995	3:24.99	DUANE DRAVES	USA	2001
1:26.39	ANTONIO SOUZA	BRA	2004	2:52.50	BOB BARRY	AUS	2006	3:25.52	KARL HAUTER	GER	2000
1:26.93	WILLIAM LAUER	USA	2004	2:53.73	KELLEY LEMMON	USA	1987	3:25.93	EDWARD SHEA	USA	1991
200 M. FLY				2:53.87	JOHN MILLS	AUS	2002	50 M. BRST			
3:16.06	WERNER MULLER	GER	2003	2:54.11	ROD BAKER	AUS	2003	40.38	TOSHIO TAJIMA	JPN	2000
3:16.61	TAKASHI HAYASHI	JPN	2004	400 M. FREE				40.82	JOHN KORTHEUER	USA	2006
3:20.84	RONALD JOHNSON	USA	2001	5:32.06	GRAHAM JOHNSTON	USA	2006	41.22	E. ORLANDO	ARG	2000
3:21.84	SEYMOUR BANNING	GBR	2003	5:54.36	HIROSHI YOSHIMURA	JPN	2004	41.69	CHARLES URSTADT	USA	2003
3:22.01	VALENTIN WEBER	GER	1997	6:09.64	BOB BARRY	AUS	2006	41.71	ROBERT PFERSDORFF	GER	1999
3:23.07	CLAUDIO NEGRI	ITA	2006	6:11.51	ARAM BOGHOSSIAN	BRA	2004	42.03	HORST FRITSCH	GER	2004
3:25.16	SILVANO DANIELI	ITA	1997	6:13.05	ROGER FRANKS	USA	2002	42.12	GERHARD GIERA	GER	2003
3:26.05	JOSEPH KURTZMAN	USA	1996	6:13.41	DAVID LAWLER	AUS	2004	42.18	WALTER MINNICH	GER	1994
3:28.08	KARL-HEINZ KNOPS	GER	1995	6:13.91	FRANK PIEMME	USA	2002	42.26	ZENJI NAKAHARI	JPN	2003
3:30.03	WILLIAM LAUER	USA	2004	6:17.36	DOMEI SUZUKI	JPN	1996	42.48	CHARLES BALDWIN	USA	2005
200 M. I.M.				6:17.76	BOB MILLER	USA	2006	100 M. BRST			
2:58.06	BURWELL JONES	USA	2003	6:18.29	SEBASTIAO ROSA	BRA	2003	1:34.93	JOHN KORTHEUER	USA	2006
2:59.90	RONALD JOHNSON	USA	2001	800 M. FREE				1:35.55	ROBERT MACDONALD	USA	2004
3:01.56	GRAHAM JOHNSTON	USA	2002	11:25.95	GRAHAM JOHNSTON	USA	2006	1:35.70	ROBERT PFERSDORFF	GER	1999
3:01.60	JOHN CRISP	AUS	2005	12:33.78	HIROSHI YOSHIMURA	JPN	2006	1:36.35	GERHARD GIERA	GER	2003
3:06.35	GERHARD HOLE	GER	2005	12:46.62	ROGER FRANKS	USA	2002	1:36.58	KARL HAUTER	GER	2003
3:06.43	JESUS DOMINGUEZ	ESP	1996	12:52.31	FRANK PIEMME	USA	2000	1:37.91	AUGUSTO ROMANO	ITA	1994
3:07.92	WERNER MULLER	GER	2003	12:53.11	DAVID LAWLER	AUS	2004	1:38.11	BARTON GREENBERG	USA	1999
3:08.99	FRANK PIEMME	USA	1996	12:56.97	BOB MILLER	USA	2006	1:38.21	ASHLEY JONES	USA	2006
3:09.74	CLAUDIO NEGRI	ITA	2006	12:58.14	RAYMOND TAFT	USA	1995	1:38.62	E. ORLANDO	ARG	2000
3:11.34	CHUCK BALDWIN	USA	2000	12:58.84	DOMEI SUZUKI	JPN	1995	1:38.78	TOSHIO TAJIMA	JPN	2000
400 M. I.M.				13:00.53	DAVE ANDERSON	USA	2006	200 M. BRST			
6:32.11	BURWELL JONES	USA	2003	13:03.06	THOMAS TAYLOR	USA	2006	3:32.60	ROBERT MACDONALD	USA	2004
6:34.43	GRAHAM JOHNSTON	USA	2001	1500 M. FREE				3:33.08	KARL HAUTER	GER	2000
6:47.83	JOHN CRISP	AUS	2005	23:02.25	GRAHAM JOHNSTON	USA	2006	3:34.86	AUGUSTO ROMANO	ITA	1994
6:52.07	FRANK PIEMME	USA	1995	23:34.20	HIROSHI YOSHIMURA	JPN	2005	3:37.64	ASHLEY JONES	USA	2006

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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 FRITSCHKE	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 FRITSCHKE	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 FRITSCHKE	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			
M E N 80-84				28:43.45	SHIGEMASA OKAJIMA	JPN	2001	40.65	FRANK PIEMME	USA	2005
*****				50 M. BACK				40.95	TOSHIO TAJIMA	JPN	2005
50 M. FREE				38.41	KEIJIRO NAKAMURA	JPN	2003	41.36	MAX VAN GELDER	NED	2004
32.73	B.SCHLURIKE	GER	2002	40.71	SHOICHI SAKOMOTO	JPN	1998	41.89	ANDREW HOLDEN	USA	1999
33.09	FRANK PIEMME	USA	2005	41.40	PAUL HUTINGER	USA	2004	42.22	Y.MIYAMOTO	JPN	1998
				42.49	RAYMOND TAFT	USA	1999	42.89	RAYMOND TAFT	USA	1999

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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	50 M. FLY			
*****				35:29.61	ARTHUR THOMAS	AUS	2004	46.48	ANDREW HOLDEN	USA	2004
M E N 85-89				50 M. BACK				50.64	MAX VON ISSER	USA	2006
*****				42.17	GORO KOBAYASHI	JPN	2001	51.12	PAUL KRUP	USA	2002
50 M. FREE				44.52	FRED VAN DYKE	USA	2006	51.81	Y.MIYAMOTO	JPN	2002
35.77	WOODROW BOWERSOCK	USA	1998	45.16	TOSHIJI SATO	JPN	2000	54.00	ANTON CERER	USA	2002
36.40	JAMES EUBANK	USA	2000	45.33	SHOICHI SAKAMOTO	JPN	2004	54.98	WALTER PFEIFFER	USA	2000
36.41	GORO KOBAYASHI	JPN	2002	47.06	ALDO DA ROSA	USA	2002	56.19	LUDWIG GEBURZI	GER	2006
37.21	ANDREW HOLDEN	USA	2004	47.70	R.REINSTADTLER	GER	1997	58.13	JESSE COON	USA	1996
37.67	SHOICHI SAKAMOTO	JPN	2004	49.11	GUNTHER PIRL	GER	2006	58.73	TOKUSHI KOMEDA	JPN	1999
38.73	GOUGH WILLIAMS	AUS	2001	49.14	ANDREW HOLDEN	USA	2004	58.75	ALDO DAROSA	USA	2003
39.00	AKIHIKO NAKAMURA	JPN	1998	49.19	M.FUKUSHIMA	JPN	2001	100 M. FLY			
39.03	ARTHUR THOMAS	AUS	2002	49.20	C.SCHERER	GER	1999	2:02.53	ANDREW HOLDEN	USA	2004
39.09	HIDEYA FUJII	JPN	2003	100 M. BACK				2:10.28	WALTER PFEIFFER	USA	1999
39.56	M.FUKUSHIMA	JPN	2001	1:36.34	GORO KOBAYASHI	JPN	2001	2:11.44	ANTON CERER	USA	2002
100 M. FREE				1:41.25	TOSHIJI SATO	JPN	2000	2:17.29	PAUL KRUP	USA	2002
1:23.87	JIM EUBANK	USA	2001	1:48.68	HIKOJI UEKI	JPN	2000	2:24.04	ALDO CAPUTI	ITA	2000
1:26.48	GORO KOBAYASHI	JPN	2002	1:49.54	ALDO DA ROSA	USA	2002	2:28.58	WILLIAM JOHNSTON	USA	2003
1:26.71	HIKOJI UEKI	JPN	2000	1:51.83	C.SCHERER	GER	1999	2:30.73	JESSE COON	USA	1996
1:27.61	WOODROW BOWERSOCK	USA	1998	1:53.16	NILS FERM	SWE	2002	2:30.75	HIRONARI UEDA	JPN	2006

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

2:33.63 FRANK GRIFFITHS	AUS 1993	4:44.26 JOHN HARRISON	GBR 2004	1:07.83 MASAHISA KANEKO	JPN 2002
2:36.05 R.REINSTADTLER	GER 1997	4:52.92 GASTAO FIGUEIREDO	BRA 2000	1:08.25 HEINZ SIEGEL	GER 2004
200 M. FLY		5:02.19 HEINZ SIEGEL	GER 2004	1:08.82 KAZUNAGA AKUTSU	JPN 2002
4:47.63 ANDREW HOLDEN	USA 2004	5:03.02 JARING TIMMERMAN	CAN 2000	1:08.90 HANS PAUL	GER 1999
4:57.41 ANTON CERER	USA 2002	400 M. FREE		1:09.80 JIM PENFIELD	USA 1998
5:06.00 WALTER PFEIFFER	USA 1999	8:13.45 TOKUSHI KOMEDA	JPN 2004	1:10.10 DERRICK DAVEY	GBR 2004
5:07.93 PAUL KRUP	USA 2002	9:39.37 WOODY BOWERSOCK	USA 2003	100 M. BRST	
5:25.02 ALDO CAPUTI	ITA 2001	9:40.04 ALFREDO CHERCHI	AUS 1997	2:15.43 HIROMU YOSHIMOTO	JPN 2005
5:42.31 HIRONARI UEDA	JPN 2006	9:44.11 GUS LANGNER	USA 1993	2:31.40 MASAHISA KANEKO	JPN 2002
5:54.28 FRANK GRIFFITHS	AUS 1993	9:48.38 JOHN HARRISON	GBR 2004	2:39.02 HANS PAUL	GER 1998
6:11.68 JESSE COON	USA 1996	9:55.55 HEINZ SIEGEL	GER 2004	2:44.14 DERRICK DAVEY	GBR 2004
6:19.15 WILLIAM JOHNSTON	USA 2003	10:47.11 R.REINSTADTLER	GER 2003	2:46.78 WALTER PFEIFER	USA 2003
7:01.72 EARL MCCULLOUGH	USA 2000	11:03.26 NOBUO USHIMI	JPN 2003	2:48.32 HEINZ SIEGEL	GER 2005
200 M. I.M.		11:14.94 L CROSSETT	USA 2003	2:50.24 ROMAN JEZEK	CAN 2004
4:13.14 ANTON CERER	USA 2001	11:28.75 JARING TIMMERMAN	CAN 2000	2:51.73 JIM PANTON	CAN 2004
4:15.59 ANDREW HOLDEN	USA 2004	800 M. FREE		2:52.53 R.REINSTADTLER	GER 2002
4:16.31 ALDO DAROSA	USA 2003	17:54.42 TOKUSHI KOMEDA	JPN 2005	2:54.43 NED SMITH	USA 2005
4:30.49 TOKUSHI KOMEDA	JPN 1999	20:09.22 JOHN HARRISON	GBR 2004	200 M. BRST	
4:33.24 WALTER PFEIFFER	USA 2000	20:13.74 GUS LANGNER	USA 1993	5:17.47 HIROMU YOSHIMOTO	JPN 2005
4:39.05 LUDWIG GEBURZI	GER 2006	21:07.17 WOODY BOWERSOCK	USA 2003	5:35.18 MASAHISA KANEKO	JPN 2002
4:40.15 FRANK GRIFFITHS	AUS 1993	24:19.62 GENE CROSSETT	USA 2004	6:18.26 ROMAN JEZEK	CAN 2004
4:49.53 HEINZ SIEGEL	GER 1999	24:43.31 GARY WEISENTHAL	USA 2005	6:24.54 GUS LANGNER	USA 1993
5:00.14 R.REINSTADTLER	GER 1997	27:10.53 ROMAN JEZEK	CAN 2004	6:25.92 JIM PANTON	CAN 2004
5:03.54 RICHARD SMITH	USA 2005	30:22.00 FRANK TILLOTSON	USA 2004	6:26.72 WALTER PFEIFER	USA 2003
400 M. I.M.		1500 M. FREE		6:53.87 ANDREW KALLUNKI	USA 1995
9:21.90 ANTON CERER	USA 2001	36:47.02 GUS LANGNER	USA 1993	8:06.28 R.BEON	CUB 2004
9:42.77 WALTER PFEIFFER	USA 1999	38:56.19 JOHN HARRISON	GBR 2004	8:23.34 ARTHUR EVANS	AUS 2005
10:28.43 FRANK GRIFFITHS	AUS 1994	39:36.67 WALTER PFEIFFER	USA 2004	11:07.86 GEORGE BATKI	USA 2002
10:57.84 HIRONARI UEDA	JPN 2006	51:09.50 GARY WEISENTHAL	USA 2003	50 M. FLY	
11:23.79 WILLIAM JOHNSTON	USA 2003	52:41.53 PAUL E. SPANGLER	USA 1990	1:00.30 WALTER PFEIFER	USA 2003
11:52.88 ALDO CAPUTI	ITA 2000	50 M. BACK		1:10.34 HEINZ SIEGEL	GER 2004
11:59.54 JESSE COON	USA 1997	46.82 GORO KOBAYASHI	JPN 2006	1:11.54 R.REINSTADTLER	GER 2002
12:21.70 AL ALVAREZ	AUS 2001	53.26 KAZUNAGA AKUTSU	JPN 2002	1:11.57 TOKUSHI KOMEDA	JPN 2004
12:27.27 ABE OLANOFF	USA 1991	53.99 R.REINSTADTLER	GER 2002	1:12.66 ALDO CAPUTI	ITA 2005
12:47.66 EARL MCCULLOUGH	USA 2000	54.07 TOSHIJI SATO	JPN 2005	1:21.55 JOHN HARRISON	GBR 2004
		54.41 MASAHISA KANEKO	JPN 2003	1:23.87 JESSE COON	USA 2000
*****		56.43 WOODY BOWERSOCK	USA 2003	1:26.07 JIM PENFIELD	USA 1998
M E N 90-94		57.73 SHOGORO AZUMA	JPN 2002	2:06.54 EUGENE LEHMAN	CAN 2006
*****		59.88 HEINZ HILLIGER	GER 2003	100 M. FLY	
50 M. FREE		1:00.20 HEINZ SIEGEL	GER 2004	2:31.03 WALTER PFEIFER	USA 2003
39.19 WOODY BOWERSOCK	USA 2003	1:00.90 JEAN LEEMPUT	FRA 2006	2:46.91 ALDO CAPUTI	ITA 2005
43.03 TOKUSHI KOMEDA	JPN 2004	100 M. BACK		3:29.53 JESSE COON	USA 2000
43.78 KAZUNAGA AKUTSU	JPN 2002	1:45.46 GORO KOBAYASHI	JPN 2006	200 M. FLY	
44.71 GORO KOBAYASHI	JPN 2006	2:04.48 TOSHIJI SATO	JPN 2006	5:51.79 WALTER PFEIFER	USA 2003
45.31 MASAHISA KANEKO	JPN 2002	2:04.94 R.REINSTADTLER	GER 2002	6:05.42 ALDO CAPUTI	ITA 2005
45.87 MASAO UEDA	JPN 2002	2:10.36 WOODY BOWERSOCK	USA 2003	8:22.48 JESSE COON	USA 2000
46.14 NED SMITH	USA 2005	2:11.19 MASAHISA KANEKO	JPN 2003	200 M. I.M.	
46.24 GASTAO FIGUEIREDO	BRA 2000	2:18.51 NORI YAMAMOTO	JPN 1999	5:02.64 TOKUSHI KOMEDA	JPN 2004
46.50 R.REINSTADTLER	GER 2002	2:19.73 JOHN HARRISON	GBR 2005	5:12.11 WALTER PFEIFER	USA 2003
48.70 GUS LANGNER	USA 1993	2:24.12 DICK WESTERFIELD	USA 2005	5:43.35 ALDO CAPUTI	ITA 2005
100 M. FREE		2:26.01 GASTAO FIGUEIREDO	BRA 2000	6:10.88 JOHN HARRISON	GBR 2005
1:38.05 GORO KOBAYASHI	JPN 2006	2:30.11 JIM PENFIELD	USA 1998	6:25.78 JESSE COON	USA 2000
1:40.54 TOKUSHI KOMEDA	JPN 2004	200 M. BACK		7:02.80 JIM PENFIELD	USA 1998
1:43.22 WOODY BOWERSOCK	USA 2003	4:34.60 R.REINSTADTLER	GER 2002	7:08.31 PETER JURCZYK	USA 1996
1:50.30 KAZUNAGA AKUTSU	JPN 2002	4:41.28 TOSHIJI SATO	JPN 2005	7:23.22 ANDREW KALLUNKI	USA 1995
1:51.07 MASAHISA KANEKO	JPN 2002	4:42.14 JOHN HARRISON	GBR 2004	7:25.47 HARUO ENDO	JPN 2002
1:56.10 HEINZ SIEGEL	GER 2004	4:58.86 WOODY BOWERSOCK	USA 2003	400 M. I.M.	
1:56.60 GASTAO FIGUEIREDO	BRA 2000	5:06.10 GASTAO FIGUEIREDO	BRA 2000	11:19.91 WALTER PFEIFER	USA 2003
1:57.91 GUS LANGNER	USA 1993	5:10.78 DICK WESTERFIELD	USA 2005	13:52.72 JESSE COON	USA 2000
1:58.36 R.REINSTADTLER	GER 2003	5:15.47 HEINZ SIEGEL	GER 2004	*****	
2:07.43 JIM TRIOLO	USA 2004	5:20.35 JIM TRIOLO	USA 2004	M E N 95-99	
200 M. FREE		5:24.44 NORI YAMAMOTO	JPN 2000	*****	
3:54.89 TOKUSHI KOMEDA	JPN 2004	5:43.96 JOE KAUFMAN	USA 1995	50 M. FREE	
4:10.40 WOODY BOWERSOCK	USA 2003	50 M. BRST		55.88 GUS LANGNER	USA 1998
4:19.52 MASAHISA KANEKO	JPN 2002	57.20 HIROMU YOSHIMOTO	JPN 2005	1:03.14 JARING TIMMERMAN	CAN 2005
4:28.34 GUS LANGNER	USA 1993	1:00.75 SEIJI TAKAHASHI	JPN 2005	1:06.06 COLLISTER WHEELER	USA 1988
4:32.78 ALFREDO CHERCHI	AUS 1997	1:05.84 MITSUO SHIMO	JPN 1999	1:06.93 ALFREDO CHERCHI	AUS 2003
4:38.25 JIM TRIOLO	USA 2004	1:06.22 R.REINSTADTLER	GER 2002		



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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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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