

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

*****		32.13	BRANKA SUSTIC	USA	1:06.78	GIORGIA SALA	ITA	2:13.20	DEBBIE YOUNGER	CAN
WOMEN 25-29		32.29	SUSANA MENDEZ	ESP	200 M. FLY			2:13.38	JACQUI ROBINSON	AUS
*****		100 M. BACK			2:21.46	LIA OBERSTAR	USA	2:13.40	JENNIFER KOBI	CAN
50 M. FREE		1:05.79	LIA OBERSTAR	USA	2:25.89	HITOMI MATSUDA	JPN	2:13.69	MONICA SORO	ITA
26.13 NADINE ROLLAND	CAN	1:06.20	NAHOMI ERIGUCHI	AUS	2:26.70	KANA OHASHI	JPN	400 M. FREE		
26.90 SANDRA THIEME	GER	1:06.40	TARA HUTT	GBR	2:27.75	SOPHIE EMOND	CAN	4:30.40	ASA NEIJ	SWE
26.95 SOPHIA SKOU	DEN	1:07.91	JANE SOLOMON	GBR	2:31.00	EBONY CURRELL	AUS	4:38.38	LAURA BIANZANI	ITA
26.97 TARA HUTT	GBR	1:07.98	JENNY MOONEY	USA	2:32.09	SAMANTHA HERRIDGE	GBR	4:39.52	GRITH SIGSGAARD	DEN
27.04 MIHO OKUHARA	JPN	1:08.30	JENNY SLINN	CAN	2:32.56	S BAUSHER-GRYBOS	USA	4:40.11	SUSAN HILL	GBR
27.12 TAMARA VAN GORKOM	NED	1:08.35	BRANKA SUSTIC	USA	2:33.22	JENNIFER CAMPBELL	CAN	4:40.38	NADINE DAY	USA
27.13 HITOMI MATSUDA	JPN	1:08.43	EBONY CURRELL	AUS	2:33.23	GIORGIA SALA	ITA	4:41.34	JENNIFER KOBI	CAN
27.14 PAULA HILL	AUS	1:09.03	VALERIE HADD	CAN	2:34.87	JULIA VOITOVITSCH	USA	4:41.73	BARBARA GRILLO	ITA
27.25 CINDY BERTELINK	CAN	1:09.30	SUSANA MENDEZ	ESP	100 M. I.M.			4:43.02	KIRSTEN CAMERON	NZL
27.28 AKIKO SUZUKI	JPN	200 M. BACK			1:04.77	NADINE ROLLAND	CAN	4:43.59	SARA QUAN	USA
100 M. FREE		2:19.05	PAMELA HANSON	USA	1:06.73	RILEY WEST	CAN	4:44.43	LAURA VOLPI	ITA
57.65 TARA HUTT	GBR	2:25.46	JANE SOLOMON	GBR	1:06.99	ALLISON WAGNER	USA	800 M. FREE		
59.14 SANDRA THIEME	GER	2:25.50	JENNY SLINN	CAN	1:08.01	TARA HUTT	GBR	9:14.03	ASA NEIJ	SWE
59.16 CINDY BERTELINK	CAN	2:25.79	EBONY CURRELL	AUS	1:08.11	KANA OHASHI	JPN	9:33.23	GRITH SIGSGAARD	DEN
59.19 NADINE ROLLAND	CAN	2:27.01	JENNY MOONEY	USA	1:08.61	SUZANNE HAMPSON	GBR	9:34.56	KIRSTEN CAMERON	NZL
59.40 RILEY WEST	CAN	2:27.56	NAHOMI ERIGUCHI	AUS	1:08.83	KAZUMI MURAYAMA	JPN	9:37.57	NADINE DAY	USA
59.62 M.D'AMBOISE	CAN	2:29.00	HITOMI MATSUDA	JPN	1:08.86	TAMARA VAN GORKOM	NED	9:47.90	SARA QUAN	USA
59.70 MARTINA KERSJES	GER	2:31.15	MELISSA THOMAS	CAN	1:08.90	ANU RAIKKONEN	FIN	9:52.53	LAURA VOLPI	ITA
59.75 VICTORIA NAESS	CAN	2:31.48	NADJA PFUHL	GER	1:08.91	ALFONSINA IRACE	ITA	9:53.68	WIEKE HOOGZAAD	DEN
1:00.24 SILKE LUBBERT	GER	2:31.86	HEATHER BEYNON	CAN	200 M. I.M.			9:54.38	PIA NEUMERKEL	GER
1:00.26 SUZANNE HAMPSON	GBR	50 M. BRST			2:22.47	KANA OHASHI	JPN	9:55.62	BECKY CROWE-HILL	USA
200 M. FREE		32.80	RILEY WEST	CAN	2:24.03	CINDY BERTELINK	CAN	9:56.00	LAURA BIANZANI	ITA
2:06.51 TARA HUTT	GBR	33.47	HITOMI MATSUDA	JPN	2:25.10	TARA HUTT	GBR	1500 M. FREE		
2:08.57 TAMARA VAN GORKOM	NED	33.70	TAMARA VAN GORKOM	NED	2:28.32	EBONY CURRELL	AUS	17:44.19	ALISON ZAMANIAN	USA
2:09.47 CINDY BERTELINK	CAN	34.35	HANNA JOKINEN	FIN	2:28.44	CHRISSE MILLER	USA	18:05.29	KIRSTEN CAMERON	NZL
2:11.88 RACHEL JOYCE	GBR	34.52	FIONA MARSHALL	GBR	2:28.46	AKIKO TAKIGAMI	JPN	18:11.54	NADINE DAY	USA
2:12.22 YUKO MINAGAWA	JPN	34.96	KANA OHASHI	JPN	2:30.65	ALFONSINA IRACE	ITA	18:13.40	GRITH SIGSGAARD	DEN
2:12.98 M.D'AMBOISE	CAN	35.40	MARIANNE GUIRAUD	FRA	2:30.97	JUDY KOONSTRA	CAN	18:41.90	LAURA VOLPI	ITA
2:13.46 OLGA KROO	GER	35.45	MARIT BREITFELD	GER	2:31.31	YUKO MINAGAWA	JPN	18:43.17	WIEKE HOOGZAAD	DEN
2:13.68 SOPHIE EMOND	CAN	35.57	ALEXANDRA CADENE	FRA	2:31.39	VICTORIA NAESS	CAN	18:45.11	NATHALIE BELAND	CAN
2:13.89 MARTINA KERSJES	GER	35.60	CORNELIA HELLER	GER	400 M. I.M.			18:58.15	JENNIFER KOBI	CAN
2:13.96 A.MARQUES GOMES	FRA	100 M. BRST			4:57.93	KANA OHASHI	JPN	19:13.38	ABIGAIL WROE	GBR
400 M. FREE		1:11.80	RILEY WEST	CAN	5:02.47	CINDY BERTELINK	CAN	19:15.77	LAURIE DODD	USA
4:28.01 CINDY BERTELINK	CAN	1:15.23	HANNA JOKINEN	FIN	5:09.97	EBONY CURRELL	AUS	50 M. BACK		
4:35.25 DANIELA BAUMGARDT	GER	1:16.63	FIONA MARSHALL	GBR	5:11.83	HITOMI MATSUDA	JPN	31.02	BERIT PUGGAARD	DEN
4:35.81 KANA OHASHI	JPN	1:16.89	KATJA WACHTER	GER	5:13.38	YUKO MINAGAWA	JPN	31.03	GITTE RAAGAARD	DEN
4:39.75 ANU RAIKKONEN	FIN	1:17.30	BARBARA ARRIGO	ITA	5:15.27	CHRISSE MILLER	USA	31.13	CAMILLA JOHANSSON	USA
4:40.11 LISELOTTE JOLING	NED	1:17.46	CAROLE EYLES	GBR	5:17.46	S BAUSHER-GRYBOS	USA	31.26	JANET MAYVILLE	CAN
4:40.74 SAMANTHA HERRIDGE	GBR	1:17.57	ALEXANDRA CADENE	FRA	5:17.77	CORINNA MIEDE	GER	31.56	YUKI WAKUI	JPN
4:42.63 RACHEL JOYCE	GBR	1:17.85	MARIT BREITFELD	GER	5:20.52	RACHEL JOYCE	GBR	31.82	JULIAN THOMLINSON	GBR
4:45.18 PAM KALAS	CAN	1:18.08	CORINNA JUNG	GER	5:25.25	LAURA KOCH	USA	31.94	NORIKO YOKOI	JPN
4:47.25 MELISSA THOMAS	CAN	1:18.33	LUCIA PAOLINI	ITA				31.94	HELENA ABERG	SWE
4:47.97 S BAUSHER-GRYBOS	USA	200 M. BRST			*****			32.16	L.HUTTERMAN	NED
800 M. FREE		2:32.73	RILEY WEST	CAN	*****	WOMEN 30-34		32.18	C.AMESTOY	FRA
9:27.96 DANIELA BAUMGARDT	GER	2:44.31	CAROLE EYLES	GBR	*****			100 M. BACK		
9:37.24 A VON REKOWSKI	GER	2:45.24	EBONY CURRELL	AUS	50 M. FREE			1:04.30	CAMILLA JOHANSSON	SWE
9:37.38 KANA OHASHI	JPN	2:45.27	ALLISON WAGNER	USA	25.98	KATRINA RADKE	USA	1:05.99	JOANNA CORBEN	GBR
9:45.50 MARCI HERZOG	USA	2:45.80	TAMARA VAN GORKOM	NED	26.81	HELENA ABERG	SWE	1:06.41	GITTE RAAGAARD	DEN
9:48.80 JANE SOLOMON	GBR	2:47.16	KANA OHASHI	JPN	27.19	JANET MAYVILLE	CAN	1:08.05	BERIT PUGGAARD	DEN
9:51.05 BARBARA ARRIGO	ITA	2:47.40	KATJA WACHTER	GER	27.26	YUKI WAKUI	JPN	1:08.13	HELENA ABERG	SWE
9:55.03 PAM KALAS	CAN	2:48.24	FIONA MARSHALL	GBR	27.36	SUSAN HILL	GBR	1:08.33	SONIA FITTERER	FRA
9:56.69 MELANIE WILLIAMS	USA	2:48.92	ALEXANDRA CADENE	FRA	27.67	ASA NEIJ	SWE	1:08.56	ASA NEIJ	SWE
9:59.50 DANIELA BRUNNER	GER	2:49.23	LAURA KOCH	USA	27.71	HIDEKO HIRANAKA	JPN	1:08.61	C.AMESTOY	FRA
10:04.64 CHIARA GIOVANNINI	ITA	50 M. FLY			27.76	MONICA SORO	ITA	1:08.74	JANET MAYVILLE	CAN
1500 M. FREE		27.88	NADINE ROLLAND	CAN	27.77	JENNIFER KOBI	CAN	1:08.87	LAURA BIANZANI	ITA
17:57.46 EBONY CURRELL	AUS	28.16	SOPHIA SKOU	DEN	27.84	MIYAKO AOKI	JPN	200 M. BACK		
18:45.30 MELANIE WILLIAMS	USA	28.35	ALEXA WHITE	GBR	100 M. FREE			2:18.99	JOANNA CORBEN	GBR
19:01.53 JANE SOLOMON	GBR	28.74	ALFONSINA IRACE	ITA	57.80	JANET MAYVILLE	CAN	2:29.16	ALISON USHER	GBR
19:02.52 PAM KALAS	CAN	28.76	JENNIFER BROOKS	USA	59.09	HELENA ABERG	SWE	2:29.24	CAMILLA JOHANSSON	USA
19:07.91 HEATHER BEYNON	CAN	28.91	HITOMI MATSUDA	JPN	59.28	MONICA SORO	ITA	2:29.95	JANET MAYVILLE	CAN
19:11.57 JOY STOVER	USA	29.12	MIHO OKUHARA	JPN	59.47	ASA NEIJ	SWE	2:30.15	C.AMESTOY	FRA
19:12.27 CAROLA MEHLERT	GER	29.35	E.BELLINGER	GBR	1:00.08	SUSAN HILL	GBR	2:31.40	RAPHAELA RICHTER	GER
19:13.98 ELISABETH YANESKE	GBR	29.82	YAYOI SAKAMOTO	JPN	1:00.64	JENNIFER KOBI	CAN	2:31.56	JENNIFER KOBI	CAN
19:19.55 GITTE ROMER	DEN	29.85	JULIA VOITOVITSCH	USA	1:00.93	NADINE DAY	USA	2:32.18	NADINE DAY	USA
19:20.52 ALICIA MARKEY	USA	100 M. FLY			1:01.09	K.BEINHAUER	GER	2:32.29	DEBBIE YOUNGER	CAN
50 M. BACK		1:01.97	SOPHIA SKOU	DEN	1:01.17	LARA CLARKE	GBR	2:33.14	PIA NEUMERKEL	GER
30.22 NAHOMI ERIGUCHI	AUS	1:04.10	ALEXA WHITE	GBR	1:01.20	EMMA HULLS	GBR	50 M. BRST		
31.04 SARA POMPEI	ITA	1:05.11	ANU RAIKKONEN	FIN	200 M. FREE			34.79	KAREN JACKSON	GBR
31.09 NAKO KOKUBUN	JPN	1:05.54	E.BELLINGER	GBR	2:09.08	JANET MAYVILLE	CAN	34.80	JOANNA HOCKING	GBR
31.38 KANA OHASHI	JPN	1:05.64	LIA OBERSTAR	USA	2:09.69	NADINE DAY	USA	35.06	A.SACCHIERO	ITA
31.64 JENNY MOONEY	USA	1:05.98	MARJOONA TELJO	FIN	2:10.96	SUSAN HILL	GBR	35.09	JANET MAYVILLE	CAN
31.72 JENNY SLINN	CAN	1:06.13	ALFONSINA IRACE	ITA	2:12.52	LAURA BIANZANI	ITA	35.13	KATJA SEEGER-BOSE	GER
31.86 JANE SOLOMON	GBR	1:06.58	CINDY BERTELINK	CAN	2:13.14	CAMILLA JOHANSSON	USA	35.26	NADINE DAY	USA
32.00 MIHO KURASAWA	JPN	1:06.74	JUDY KOONSTRA	CAN	2:13.16	ASA NEIJ	SWE	35.86	CAROL LEIGH-WOOD	USA

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35.87 SHEELAH TURNER	GBR	2:32.07	LARA CLARKE	GBR	19:59.51	ANNELLE HARMER	CAN	30.48	MARJA HAGLUND	SWE
35.96 LUCY RYAN	GBR	2:33.29	MONICA SORO	ITA	20:07.40	LINDA FINLEY	USA	30.70	LENKA NEMECKOVA	CZE
36.10 CRISTIN GRANT	ESP	400 M. I.M.			20:32.90	A.ABDU-HAFKE	CAN	30.80	EMI OGA	JPN
100 M. BRST		4:51.33	HIDEKO HIRANAKA	JPN	20:40.79	ILKA LOWENSTEYN	CAN	30.86	MARISA PASUDETTI	ITA
1:14.31 KAREN JACKSON	GBR	5:09.75	NADINE DAY	USA	21:00.04	KERRY DUVALL	CAN	100 M. FLY		
1:15.54 KATJA SEEGER-BOSE	GER	5:13.92	DEBBIE YOUNGER	CAN	50 M. BACK			1:06.07	BIRGIT LOHBERG	USA
1:16.43 JOANNA HOCKING	GBR	5:16.01	JOANNA CORBEN	GBR	31.95	QUINELDA DEARDS	GBR	1:06.42	MIKI TAKAYAMA	JPN
1:16.50 GRITH SIGSGAARD	DEN	5:19.02	CAMILLA JOHANSSON	USA	32.06	ANNETT REX	GER	1:07.11	DANIELA DE PONTI	ITA
1:16.60 LUCY RYAN	GBR	5:19.70	LAURA BIANZANI	ITA	32.09	SILVIA PAROCCHI	ITA	1:07.30	JOLANDA OUDKERK	GER
1:16.63 NADINE DAY	USA	5:21.15	ALISON ZAMANIAN	USA	32.30	LENKA NEMECKOVA	CZE	1:07.74	JENNIFER RIDGE	USA
1:16.85 ANNA JENSEN	SWE	5:23.43	NICOLA LATTY	GBR	32.33	A LUALL-EGG	USA	1:08.06	BEATE SCHOLTYSEK	GER
1:17.25 NAMI OKAMOTO	JPN	5:23.91	LARA CLARKE	GBR	32.50	CAROLINE LINDBORG	SWE	1:08.28	KATHERINE VEALE	GBR
1:18.34 JANET MAYVILLE	CAN	5:29.86	PIA NEUMERKEL	GER	32.64	HIROKO NOGUCHI	JPN	1:08.95	ANA PAULA GRILO	POR
1:18.97 SHEELAH TURNER	GBR				32.65	ANA PAULA GRILO	POR	1:09.40	STEFANIA PETRONI	ITA
200 M. BRST		*****			32.85	MIKI NAMAI	JPN	1:09.95	ANETTE PHILIPSSON	SWE
2:41.63 KAREN JACKSON	GBR		WOMEN 35-39		32.88	HELEN WHITFORD	AUS	200 M. FLY		
2:44.41 JOANNA HOCKING	GBR	*****			100 M. BACK			2:26.79	BIRGIT LOHBERG	USA
2:44.41 KATJA SEEGER-BOSE	GER	50 M. FREE			1:07.24	SILVIA PAROCCHI	ITA	2:30.48	BEATE SCHOLTYSEK	GER
2:46.42 LUCY RYAN	GBR	27.25	E OTTERMANN	RSA	1:08.66	A LUALL-EGG	USA	2:30.50	KATHERINE VEALE	GBR
2:47.11 NADINE DAY	USA	27.32	YUKIKO OZAWA	JPN	1:09.20	QUINELDA DEARDS	GBR	2:33.71	HEIKE RUCKER	GER
2:50.49 DEBBIE YOUNGER	CAN	27.47	DELIA DEMATTI	ITA	1:09.29	ANNETT REX	GER	2:35.89	LAURIE HUG	USA
2:50.64 NAMI OKAMOTO	JPN	27.63	ANA PAULA GRILO	POR	1:09.44	KRISTIN GARY	USA	2:38.26	SABRINA SPIGA	ITA
2:52.57 KAJA PISTEL	GER	27.77	JUNKO NAKANO	JPN	1:09.60	LENKA NEMECKOVA	CZE	2:38.33	DORIT GIERKE	GER
2:53.93 LINDA HEGERBERG	USA	27.86	DANIELA DE PONTI	ITA	1:10.15	K.WULFF-HOPPE	GER	2:38.49	MIYUKI YAMAGUCHI	JPN
2:54.02 JANET MAYVILLE	CAN	28.23	JENNIFER RIDGE	USA	1:10.20	HELEN WHITFORD	AUS	2:38.80	NANCY NORTH	USA
50 M. FLY		28.28	SILVIA PAROCCHI	ITA	1:10.51	C.ESCATLLAR	ESP	2:40.27	ILKA LOWENSTEYN	CAN
28.05 KATRINA RADKE	USA	28.30	V.GASTALDELLO	FRA	1:10.56	CAROLINE LINDBORG	SWE	100 M. I.M.		
28.72 YUKI WAKUI	JPN	28.33	MARJA HAGLUND	SWE	200 M. BACK			1:09.58	SILVIA PAROCCHI	ITA
29.06 HELENA ABERG	SWE	100 M. FREE			2:31.61	GILLIAN INNES	GBR	1:09.70	ANNETT REX	GER
29.32 NADINE DAY	USA	59.37	ANA PAULA GRILO	POR	2:28.90	K.WULFF-HOPPE	GER	1:09.83	DANIELA DE PONTI	ITA
29.53 LAURA BIANZANI	ITA	1:00.06	SILVIA PAROCCHI	ITA	2:29.35	KRISTIN GARY	USA	1:10.31	KATHERINE VEALE	GBR
29.67 MIYAKO AOKI	JPN	1:00.36	YUKIKO OZAWA	JPN	2:30.54	C.ESCATLLAR	ESP	1:10.58	BEATE SCHOLTYSEK	GER
29.69 JANET MAYVILLE	CAN	1:00.69	DELIA DEMATTI	ITA	2:30.96	HELEN WHITFORD	AUS	1:10.62	ANA PAULA GRILO	POR
29.88 BECKY CROWE-HILL	USA	1:00.83	JENNIFER RIDGE	USA	2:31.46	A LUALL-EGG	USA	1:12.03	AMANDA PICARD	SUI
29.95 EMMA HULLS	GBR	1:01.01	S.BURNERT THUMM	FRA	2:31.90	ANNETT REX	GER	1:12.36	MARISA PASUDETTI	ITA
30.10 HANNAH PAULL	GBR	1:01.12	MARIE ROYAL	GBR	2:32.78	BIRGIT LOHBERG	USA	1:12.42	A LUALL-EGG	USA
100 M. FLY		1:01.56	BEATE SCHOLTYSEK	GER	2:34.28	MIKI NAMAI	JPN	1:12.56	MICHELLE FOLLOWS	NZL
1:02.65 BERIT PUGGAARD	DEN	1:01.71	DANIELA DE PONTI	ITA	2:36.68	ANNE COUSINEAU	CAN	200 M. I.M.		
1:03.96 LAURA BIANZANI	ITA	1:02.37	HEATHER HAGADORN	USA	50 M. BRST			2:28.41	SILVIA PAROCCHI	ITA
1:05.56 NADINE DAY	USA	200 M. FREE			34.64	ANNETT REX	GER	2:29.22	BIRGIT LOHBERG	USA
1:06.19 DEBBIE YOUNGER	CAN	2:07.69	ANA PAULA GRILO	POR	35.45	QUINELDA DEARDS	GBR	2:29.44	JENNIFER RIDGE	USA
1:06.72 JANET MAYVILLE	CAN	2:11.29	AMANDA PICARD	SUI	35.45	ELKE SCHMITZ	GER	2:32.37	KATHERINE VEALE	GBR
1:06.87 LARA CLARKE	GBR	2:12.44	MARIE ROYAL	GBR	35.53	DANIELA DE PONTI	ITA	2:33.25	ANETTE PHILIPSSON	SWE
1:07.03 KARINE JANNOY	FRA	2:12.61	JENNIFER RIDGE	USA	35.66	MARJO GOELEMA	NED	2:33.98	MIKI AIHARA	JPN
1:07.56 MONICA SORO	ITA	2:12.94	HEATHER HAGADORN	USA	36.25	STEFANIA MONTI	ITA	2:35.74	HELEN WHITFORD	AUS
1:07.66 YOKO YAMAGUCHI	JPN	2:14.74	PAOLA RODIGHIERO	ITA	36.51	LOUISE KEOGH	USA	2:36.44	E.MCMENEMY	GBR
1:07.70 KATHRYN OWENS	GBR	2:15.56	MIKI AIHARA	JPN	36.60	TOMOMI MIYAZONO	JPN	2:36.69	A LUALL-EGG	USA
200 M. FLY		2:15.97	S.BURNERT THUMM	FRA	36.62	HAYLEY BIRD	GBR	2:36.73	PAOLA RODIGHIERO	ITA
2:19.34 LAURA BIANZANI	ITA	2:16.00	E.MCMENEMY	GBR	36.74	HOFMANN-SCHIEDLER	GER	400 M. I.M.		
2:24.91 NADINE DAY	USA	2:16.82	DANA WOODY	USA	100 M. BRST			5:12.75	ANA PAULA GRILO	POR
2:25.48 NICOLA LATTY	GBR	400 M. FREE			1:14.55	ANNETT REX	GER	5:14.35	BIRGIT LOHBERG	USA
2:26.14 DEBBIE YOUNGER	CAN	4:30.30	ANA PAULA GRILO	POR	1:15.56	STEFANIA MONTI	ITA	5:22.48	BEATE SCHOLTYSEK	GER
2:27.74 BECKY CROWE-HILL	USA	4:41.17	LAURIE HUG	USA	1:18.28	ELKE SCHMITZ	GER	5:22.90	KATHERINE VEALE	GBR
2:29.10 GEA TMMER	NED	4:41.23	BIRGIT LOHBERG	USA	1:18.37	BEATE SCHOLTYSEK	GER	5:26.72	MIKI AIHARA	JPN
2:29.30 KARINE JANNOY	FRA	4:43.46	SILVIA PAROCCHI	ITA	1:19.27	JENNIFER RIDGE	USA	5:28.06	LAURIE HUG	USA
2:30.11 JACQUI ROBINSON	AUS	4:45.36	HEATHER HAGADORN	USA	1:19.49	CHERYL CONLIN	USA	5:31.70	ANNETT REX	GER
2:32.63 NATHALIE BELAND	CAN	4:45.44	MICHELE SHINN	USA	1:19.90	LOUISE KEOGH	USA	5:32.14	DANA WOODY	USA
2:32.96 BRANDY HUGO	USA	4:46.80	C.ESCATLLAR	ESP	1:19.94	QUINELDA DEARDS	GBR	5:38.81	A LUALL-EGG	USA
100 M. I.M.		4:48.91	ELKE HAGEDORN	GER	1:19.99	HAYLEY BIRD	GBR	5:39.62	ANITA SMITS	NED
1:05.58 HIDEKO HIRANAKA	JPN	4:50.33	NANCY NORTH	USA	1:20.30	YOKO OZAKI	JPN			
1:07.26 JANET MAYVILLE	CAN	4:50.70	E.MCMENEMY	GBR	200 M. BRST			*****		
1:07.55 NADINE DAY	USA	800 M. FREE			2:50.97	ANNETT REX	GER		WOMEN 40-44	
1:07.93 ASA NEIJ	SWE	9:38.08	LAURIE HUG	USA	2:51.12	H MORRIS-EYTON	RSA	*****		
1:08.25 DEBBIE YOUNGER	CAN	9:41.93	MICHELE SHINN	USA	2:52.56	LOUISE KEOGH	USA	50 M. FREE		
1:08.73 MONICA SORO	ITA	9:46.94	HEATHER HAGADORN	USA	2:52.86	CHERYL CONLIN	USA	27.18	SARAH MACDONALD	CAN
1:09.23 AKEMI TOYAMA	JPN	9:51.48	ELKE HAGEDORN	GER	2:53.84	BEATE SCHOLTYSEK	GER	27.55	K PIPES-NEILSEN	USA
1:10.27 JENNIFER KOBI	CAN	9:58.31	DANA WOODY	USA	2:56.62	STEFANIA MONTI	ITA	27.64	JILL HERNANDEZ	USA
1:10.55 YUKI WAKUI	JPN	10:08.29	MIMI COOK	USA	2:57.27	HOFMANN-SCHIEDLER	GER	27.91	STEFFI NIEMITZ	GER
1:10.56 KARINE JANNOY	FRA	10:16.80	A LUALL-EGG	USA	2:57.62	F.HEIJDEMAN	NED	27.96	GIORGIO LAI	ITA
200 M. I.M.		10:17.89	MICHELE FOX	USA	2:59.85	LINDA HAWORTH	CAN	28.11	MARJA BLOEMZAAD	NED
2:26.97 JANET MAYVILLE	CAN	10:20.79	KIRSTEN PURSELL	USA	3:00.37	CLAIRE SWEENEY	GBR	28.12	KARIN SEICK	GER
2:27.46 NADINE DAY	USA	10:24.28	ANNELLE HARMER	CAN	50 M. FLY			28.25	HAYLEY BETTINSON	GBR
2:27.82 CAMILLA JOHANSSON	USA	1500 M. FREE			29.54	SILVIA PAROCCHI	ITA	28.27	S.REIBEL-OBERLE	GER
2:28.19 DEBBIE YOUNGER	CAN	18:09.67	LAURIE HUG	USA	29.79	MIKI TAKAYAMA	JPN	28.38	BETH MCGEE	USA
2:29.17 JOANNA CORBEN	GBR	18:32.48	ELKE HAGEDORN	GER	30.14	E OTTERMANN	RSA	100 M. FREE		
2:29.90 KAREN JACKSON	GBR	19:00.48	HEATHER HAGADORN	USA	30.14	DANIELA DE PONTI	ITA	58.86	K PIPES-NEILSEN	USA
2:31.35 JENNIFER KOBI	CAN	19:26.40	NANCY NORTH	USA	30.36	IZUMI NAKAGAWA	JPN	1:01.44	KARIN SEICK	GER
2:31.66 SARAH WOODWORTH	CAN	19:31.91	MARGARET REILLY	USA	30.46	DELIA DEMATTI	ITA	1:01.74	SARAH MACDONALD	CAN

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1:01.92 S.REIBEL-OBERLE GER	2:37.40 LYNN MARSHALL CAN	1:11.14 MARZENA KULIS ITA	10:21.47 JEANNE CARLSEN CAN
1:02.10 BETH MCGEE USA	2:37.70 KARIN SEICK GER	1:11.21 KARIN SEICK GER	10:26.40 MARGUERITE MEYER USA
1:02.49 SYBILLE ERMISCH GER	2:37.85 ANN KOURI GER	1:11.50 S.REIBEL-OBERLE GER	10:28.99 VERITY DOBBIE GBR
1:02.55 B MCCARNEY RSA	2:40.53 A DRESSELAAR RSA	1:12.21 MARIKA MCCUE USA	10:35.91 JOY LEUTNER USA
1:02.65 KATHY RENARD CAN	2:43.62 AVRIL JENNINGS GBR	1:12.22 SHIZUKO HIRAISHI JPN	10:39.25 HEIDI CHRISTENSEN USA
1:02.71 LYNN MARSHALL CAN	2:44.00 SARAH MACDONALD CAN	200 M. I.M.	10:41.11 TRACY GRILLI USA
1:03.12 MARJA BLOEMZAAD NED	50 M. BRST	2:26.95 K PIPES-NEILSEN USA	10:42.73 DONNA GADSBY AUS
2:05.64 K PIPES-NEILSEN USA	35.60 JUDY GARAY CAN	2:34.35 CYNTHIA PINCOTT CAN	10:42.78 CELIA DEVANNEY USA
2:12.59 LYNN MARSHALL CAN	35.79 KATHY RENARD CAN	2:35.37 LYNN MARSHALL CAN	1500 M. FREE
2:15.39 REBECCA KALIBAT USA	36.12 K PIPES-NEILSEN USA	2:35.58 REBECCA KALIBAT USA	17:50.64 SUZANN HEIM-BOWEN USA
2:16.20 N.MUIR-COCHRANE GBR	36.15 ELKE SCHMITZ GER	2:36.28 ANN KOURI CAN	19:06.85 JENNY WHITELEY AUS
2:18.18 CLAUDIA KERN GER	36.17 SATOKO TOKITA JPN	2:36.30 VIBEKE SWANSON USA	19:39.23 JEANNE CARLSEN CAN
2:18.51 B MCCARNEY RSA	36.19 SVETLANA SAVINO FIN	2:36.35 SARAH MACDONALD CAN	19:49.05 MARY SWEAT USA
2:18.92 SARAH MACDONALD CAN	36.51 JILL HERNANDEZ USA	2:36.47 JUDY BROWN GBR	20:02.31 JOY LEUTNER USA
2:19.25 S.REIBEL-OBERLE GER	36.59 E.HAKANSSON CAN	2:36.95 SHIZUKO HIRAISHI JPN	20:14.12 VERITY DOBBIE GBR
2:19.66 SHIZUKO HIRAISHI JPN	36.68 M.ODILE CHARLES FRA	2:37.34 REBECCA PERROTT NZL	20:21.25 DONNA GADSBY AUS
2:19.68 MARZENA KULIS ITA	36.81 CAROLA OEN GER	400 M. I.M.	20:21.30 MARGUERITE MEYER USA
4:24.94 K PIPES-NEILSEN USA	100 M. BRST	5:02.65 K PIPES-NEILSEN USA	20:27.19 CORY FERRARA USA
4:36.53 LYNN MARSHALL CAN	1:17.87 MARZENA KULIS ITA	5:20.13 VIBEKE SWANSON USA	20:29.81 SHARON SALZMAN USA
4:39.98 N.MUIR-COCHRANE GBR	1:17.88 K PIPES-NEILSEN USA	5:22.12 LYNN MARSHALL CAN	50 M. BACK
4:42.15 REBECCA KALIBAT USA	1:18.06 KATHY RENARD CAN	5:25.18 N.MUIR-COCHRANE GBR	32.93 K ANDRUS-HUGHES USA
4:49.20 CLAUDIA KERN GER	1:18.29 SVETLANA SAVINO FIN	5:26.58 CYNTHIA PINCOTT CAN	33.84 LESLEY WILDE GBR
4:50.84 ANNA MARIA NUNIA ITA	1:18.30 S.SEMINATORE ITA	5:27.08 REBECCA KALIBAT USA	34.09 AROMA MARTORELL BRA
4:53.19 NAOMI TANAKA JPN	1:19.09 M.ODILE CHARLES FRA	5:37.72 ANNA MARIA NUNIA ITA	34.22 JENNY WHITELEY AUS
4:53.95 ANNETTES KRAUS GER	1:20.79 JANET COOVER USA	5:39.82 NATALIE DESCHAMPS CAN	34.94 MARGARET LANGDON AUS
4:57.09 C STANFORD RSA	1:21.06 ELKE SCHMITZ GER	5:40.65 C STANFORD RSA	35.05 SOPHIE RAMOGER FRA
4:57.58 KATHY RENARD CAN	1:21.20 KATE SORENSEN DEN	5:40.92 SHIZUKO HIRAISHI JPN	35.38 RAMONA GUILLEN ESP
800 M. FREE	1:21.23 REBECCA KALIBAT USA	*****	35.48 C.TARANTINO ITA
9:26.96 N.MUIR-COCHRANE GBR	200 M. BRST	*****	35.65 D COETZEE RSA
9:36.51 K PIPES-NEILSEN USA	2:47.00 S.SEMINATORE ITA	WOMEN 45-49	35.67 M.LUDOVICA ALLEVI ITA
9:39.63 LYNN MARSHALL CAN	2:50.00 KATHY RENARD CAN	*****	100 M. BACK
9:44.07 REBECCA KALIBAT USA	2:50.27 K PIPES-NEILSEN USA	50 M. FREE	1:10.64 LESLEY WILDE GBR
9:49.33 CLAUDIA KERN GER	2:52.29 M.ODILE CHARLES FRA	28.50 JENNY WHITELEY AUS	1:10.90 K ANDRUS-HUGHES USA
9:57.32 ANNA MARIA NUNIA ITA	2:53.38 JUDY HATTLE GBR	28.77 K ANDRUS-HUGHES USA	1:13.93 BONNIE BILICH USA
10:11.10 NAOMI TANAKA JPN	2:55.20 REBECCA KALIBAT USA	28.85 LEIANN CRITTENDEN USA	1:14.19 E.BEUCHER FEZARD FRA
10:11.89 CYNTHIA PINCOTT CAN	2:55.58 CYNTHIA PINCOTT CAN	28.87 JUDY WOODWARD CAN	1:14.48 JENNY WHITELEY AUS
10:12.75 JANA MATENA USA	2:56.66 NATALIE DESCHAMPS CAN	28.94 TRACI GRANGER USA	1:15.61 AROMA MARTORELL BRA
10:14.37 C STANFORD RSA	2:57.03 KATE SORENSEN DEN	29.06 LAURA GORGERINO ITA	1:16.22 BIRGIT HEINIG GER
1500 M. FREE	2:57.43 ANN WALLING CAN	29.35 LINSDEY GOWLAND GBR	1:16.50 D COETZEE RSA
17:52.93 N.MUIR-COCHRANE GBR	50 M. FLY	29.54 YVONNE ERIKSSON SWE	1:16.74 UTE CIMDINS GER
17:55.36 K PIPES-NEILSEN USA	30.02 JILL HERNANDEZ USA	29.63 MAGGIE SMITH GBR	1:16.82 RAMONA GUILLEN ESP
18:06.82 LYNN MARSHALL CAN	30.45 CHIHRO SAITO JPN	29.66 FERNANDA PRADO BRA	200 M. BACK
18:33.31 REBECCA KALIBAT USA	30.62 LESLEY NORTON GBR	100 M. FREE	2:34.50 LESLEY WILDE GBR
18:38.10 ANNA MARIA NUNIA ITA	30.70 K PIPES-NEILSEN USA	1:03.00 K ANDRUS-HUGHES USA	2:38.51 K ANDRUS-HUGHES USA
18:50.13 S.REIBEL-OBERLE GER	30.73 SHIZUKO HIRAISHI JPN	1:03.84 SUZANN HEIM-BOWEN USA	2:42.18 BONNIE BILICH USA
18:55.12 CLAUDIA KERN GER	30.77 SARAH MACDONALD CAN	1:03.87 MARGARET SMITH GBR	2:42.84 JENNY WHITELEY AUS
19:34.91 JANA MATENA USA	30.80 JUDY HATTLE GBR	1:04.09 TRACI GRANGER USA	2:44.12 BIRGIT HEINIG GER
20:01.52 CATHY SHONKWILER USA	30.84 DEBBIE HART GBR	1:04.31 LEIANN CRITTENDEN USA	2:44.66 AROMA MARTORELL BRA
20:16.26 LIANE VEZINA CAN	31.14 HAYLEY BETTINSON GBR	1:04.81 FERNANDO PRADO BRA	2:44.84 JUDIT HAJDU AUT
50 M. BACK	31.26 MARJA BLOEMZAAD NED	1:05.62 LINSDEY GOWLAND GBR	2:47.03 RAMONA GUILLEN ESP
32.78 B MCCARNEY RSA	100 M. FLY	1:06.00 D COETZEE RSA	2:47.59 PATTY LANDERS USA
32.87 ANN KOURI CAN	1:05.22 K PIPES-NEILSEN USA	1:06.18 SUE KEARNEY AUS	2:48.04 L HASSELQUIST USA
32.90 K PIPES-NEILSEN USA	1:08.05 SHIZUKO HIRAISHI JPN	1:06.68 CORY FERRARA USA	50 M. BRST
32.92 MARIKA MCCUE USA	1:08.74 CHIHRO SAITO JPN	200 M. FREE	36.50 JENNY WHITELEY AUS
32.93 JILL HERNANDEZ USA	1:08.76 LESLEY NORTON GBR	2:20.37 MARGARET SMITH GBR	37.00 PATRICIA WARREN GBR
32.94 VALERIE JENKINS USA	1:08.77 CYNTHIA PINCOTT CAN	2:20.80 K ANDRUS-HUGHES USA	37.07 KAREN MELICK USA
33.36 SHIZUKO HIRAISHI JPN	1:08.81 MARZENA KULIS ITA	2:23.15 VERITY DOBBIE GBR	37.11 JAN FOWLER AUS
33.38 MASAMI HIGURASHI JPN	1:09.75 DEBBIE HART GBR	2:23.51 SUE KEARNEY AUS	37.32 LEIANN CRITTENDEN USA
33.41 SARAH MACDONALD CAN	1:09.75 RENATE CHRIST GER	2:25.40 VALENTINA SALVIA ITA	37.48 URSULA RICHTER GER
33.44 VIBEKE SWANSON USA	1:10.13 LYNN MARSHALL CAN	2:25.78 JEANNE CARLSEN CAN	37.73 ALISON NYE GBR
100 M. BACK	1:10.81 MARJA BLOEMZAAD NED	2:26.36 TRACY GRILLI USA	37.95 VERITY DOBBIE GBR
1:07.19 K PIPES-NEILSEN USA	200 M. FLY	2:26.51 JOY LEUTNER USA	38.13 COLETTE CRABBE USA
1:09.93 VIBEKE SWANSON USA	2:22.58 K PIPES-NEILSEN USA	2:27.96 FERNANDO PRADO BRA	38.18 KAREN MAREB USA
1:10.83 B MCCARNEY RSA	2:28.50 LYNN MARSHALL CAN	2:28.08 TRACI GRANGER USA	100 M. BRST
1:11.50 ANN KOURI CAN	2:33.72 JUDY BROWN GBR	400 M. FREE	1:18.90 JENNY WHITELEY AUS
1:11.53 SARAH MACDONALD CAN	2:34.06 SHIZUKO HIRAISHI JPN	4:56.50 VERITY DOBBIE GBR	1:20.53 JAN FOWLER AUS
1:11.66 KARIN SEICK GER	2:37.04 REBECCA KALIBAT USA	5:02.19 JEANNE CARLSEN CAN	1:22.76 KAREN MAREB USA
1:11.73 MARIKA MCCUE USA	2:37.08 CYNTHIA PINCOTT CAN	5:02.43 MARGARET SMITH GBR	1:23.32 URSULA RICHTER GER
1:11.89 MASAMI HIGURASHI JPN	2:40.03 ARLENE DELMAGE USA	5:06.74 TRACY GRILLI USA	1:23.36 LEIANN CRITTENDEN USA
1:13.58 CLAUDIA LIPSKI GER	2:41.70 PAT CRAISSATI USA	5:08.81 JOY LEUTNER USA	1:23.37 VERITY DOBBIE GBR
1:13.95 JOLANDA DE ROVER NED	2:42.28 S. PALMER-WHITE AUS	5:10.52 CELIA DEVANNEY USA	1:23.77 AMANDA HEATH GBR
200 M. BACK	2:42.64 LESLEY NORTON GBR	5:15.09 DONNA GADSBY AUS	1:24.40 JAYNE O'BRIEN GBR
2:25.16 K PIPES-NEILSEN USA	100 M. I.M.	5:15.41 LOLI BALBUENA ESP	1:24.72 LINSDEY GOWLAND GBR
2:32.53 VIBEKE SWANSON USA	1:06.91 K PIPES-NEILSEN USA	5:16.80 KARIN MILGER GER	1:24.97 LOLI BALBUENA ESP
2:33.13 N.MUIR-COCHRANE GBR	1:08.91 JILL HERNANDEZ USA	5:17.65 CHARLENE O'BRIEN USA	200 M. BRST
2:33.82 MASAMI HIGURASHI JPN	1:10.04 KATHY RENARD CAN	800 M. FREE	2:57.19 KAREN MELICK USA
	1:10.05 SARAH MACDONALD CAN	9:27.44 SUZANN HEIM-BOWEN USA	2:57.92 COLETTE CRABBE USA
	1:11.10 UTE ROMBERG GER	10:01.60 C.TARANTINO ITA	3:00.67 VERITY DOBBIE GBR

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3:01.09	AMANDA HEATH	GBR	28.58	JACKI HIRSTY	USA	1:15.00	LAURA VAL	USA	2:55.80	CHRISTIE CIRAULO	USA
3:02.75	DONNA GADSBY	AUS	29.11	ANGELA ZINGLER	GER	1:18.86	JOEL FELDMANN	USA	2:57.11	M. NEUMEISTER	GER
3:04.22	URSULA RICHTER	GER	29.23	LAURA VAL	USA	1:19.20	BARBARA STUBBE	GER	2:58.36	FRANCES PENWARDEN	GBR
3:04.84	KEIKO UTSUMI	JPN	29.29	M. RICHTHOFEN	GER	1:19.31	KARLEN TREBESINER	USA	2:58.76	DEBBIE GLASSMAN	USA
3:04.80	AVILA RHODES	CAN	29.56	JOEL FELDMANN	USA	1:19.59	BENEDICTE DUPREZ	FRA	3:02.65	MIDORI NAKAYAMA	JPN
3:05.49	JAYNE O'BRIEN	GBR	29.74	REGULA STEIGER	SUI	1:19.71	MARILYN FINK	USA	3:11.54	YURI SUETSUGU	JPN
3:08.56	LEIANN CRITTENDEN	USA	29.75	JILL QUIRK	CAN	1:19.99	PILAR AVRITH	CAN	3:14.90	MIRA GUGLIELMI	ITA
50 M. FLY			29.96	SUE HODGE	GBR	1:20.17	N STEADMAN-MARTIN	USA	3:17.51	M. HILLENBRAND	GER
30.74	TRACI GRANGER	USA	30.01	KARLEN TREBESINER	USA	1:20.53	LINDA HUNT	CAN	100 M. I.M.		
31.01	MARGARET KELLY	GBR	30.04	CONNY BOER-BUYS	NED	200 M. BACK			1:14.28	LAURA VAL	USA
31.17	JENNY WHITELEY	AUS	100 M. FREE			2:46.66	EVIE LYNCH	USA	1:15.26	ANGELA ZINGLER	GER
31.23	SACHIKO SAITO	JPN	1:02.60	LAURA VAL	USA	2:53.59	CHRISTIE CIRAULO	USA	1:17.63	EVIE LYNCH	USA
31.28	HARUMI SUGINUMA	JPN	1:04.31	JACKI HIRSTY	USA	2:55.04	KARLEN TREBESINER	USA	1:18.36	CATHY MERRITT	CAN
31.84	MARGARET LANGDON	AUS	1:05.86	JILL QUIRK	CAN	2:56.45	PILAR AVRITH	CAN	1:19.25	CYNTHIA MALTRY	USA
31.92	MARGARET SMITH	GBR	1:06.73	CONNY BOER-BUYS	NED	2:57.09	LINDA HUNT	CAN	1:20.12	BARBARA STUBBE	GER
32.16	JANE MCCALL	USA	1:07.16	JOEL FELDMANN	USA	2:57.78	SKIPPY MATTSON	USA	1:20.52	PILAR AVRITH	CAN
32.45	G MCCARNEY	RSA	1:07.40	K TREBESINER	USA	2:59.50	KATHY HEENAN	AUS	1:20.52	JANETTE JEFFREY	AUS
32.60	LOLI BALBUENA	ESP	1:07.76	H. REICHEL	GER	3:00.53	MIRA GUGLIELMI	ITA	1:20.65	MIDORI NAKAYAMA	JPN
100 M. FLY			1:07.85	CATHY MERRITT	CAN	3:00.58	LOUISE CLEARY	USA	1:20.68	SUSAN SKIFF	ITA
1:10.40	MARGARET SMITH	GBR	1:08.11	N STEADMAN-MARTIN	USA	3:01.60	CLAUDIA KOCH	GER	200 M. I.M.		
1:10.47	TRACI GRANGER	USA	1:08.17	SUE HODGE	GBR	50 M. BRST			2:49.29	EVIE LYNCH	USA
1:11.86	HARUMI SUGINUMA	JPN	200 M. FREE			37.10	PETRA SCHROER	GER	2:51.86	KATHI LINDSTROM	USA
1:12.24	JENNY WHITELEY	AUS	2:16.55	LAURA VAL	USA	38.94	REGULA STEIGER	SUI	2:52.08	PILAR AVRITH	CAN
1:12.49	SACHIKO SAITO	JPN	2:22.97	JACKI HIRSTY	USA	39.28	JENNIFER MERRITT	GBR	2:53.90	JAYNE BALL	GBR
1:12.66	JANE MCCALL	USA	2:26.52	KATHI LINDSTROM	USA	39.95	FRANCES PENWARDEN	GBR	2:54.35	M. HILLENBRAND	GER
1:13.14	MARGARET LANGDON	AUS	2:26.52	SUSAN SKIFF	ITA	39.99	ULRIKE URBANIAK	GER	2:54.58	FRANCES PENWARDEN	GBR
1:13.22	FERNANDA PRADO	BRA	2:27.07	MIDORI NAKAYAMA	JPN	40.16	MERRY FINCH	USA	2:56.31	MIDORI NAKAYAMA	JPN
1:14.22	G MCCARNEY	RSA	2:27.26	JILL QUIRK	CAN	40.28	A-L BRYNGELSSON	SWE	2:57.87	CHRISTIE CIRAULO	USA
1:15.24	AMANDA HEATH	GBR	2:28.88	EVIE LYNCH	USA	40.30	BARBARA HUMMEL	USA	2:58.35	PAT SARGEANT	USA
200 M. FLY			2:28.98	JAYNE BALL	GBR	40.62	CATHY MERRITT	CAN	2:58.91	MIRA GUGLIELMI	ITA
2:38.18	MARGARET SMITH	GBR	2:29.11	CHRISTIE CIRAULO	USA	40.75	M CARMEN CORRES	ESP	400 M. I.M.		
2:43.58	HARUMI SUGINUMA	JPN	2:31.32	KARLEN TREBESINER	USA	100 M. BRST			6:06.07	KATHI LINDSTROM	USA
2:47.40	TRACI GRANGER	USA	400 M. FREE			1:23.42	ULRIKE URBANIAK	GER	6:08.96	ULRIKE URBANIAK	GER
2:48.30	DEBBIE SWIGERT	USA	5:05.80	N STEADMAN-MARTIN	USA	1:23.80	PETRA SCHROER	GER	6:13.36	JAYNE BALL	GBR
2:49.07	LAURIE ALIOTO	USA	5:07.57	SUSAN SKIFF	GER	1:25.33	FRANCES PENWARDEN	GBR	6:16.17	CATHY MERRITT	CAN
2:51.26	JEANNE CARLSEN	CAN	5:07.83	JACKI HIRSTY	USA	1:25.34	JENNIFER MERRITT	GBR	6:16.24	M. HILLENBRAND	GER
2:54.04	JOY LEUTNER	USA	5:09.91	CHRISTIE CIRAULO	USA	1:26.46	REGULA STEIGER	SUI	6:16.82	PILAR AVRITH	CAN
2:55.06	MARGUERITE MEYER	USA	5:11.50	KATHI LINDSTROM	USA	1:28.35	A-L BRYNGELSSON	SWE	6:17.16	CHRISTIE CIRAULO	USA
2:57.52	ROBIN BATCHELOR	USA	5:16.88	EVIE LYNCH	USA	1:28.97	BARBARA HUMMEL	USA	6:21.36	MIDORI NAKAYAMA	JPN
3:02.41	MAYUMI TSUDA	JPN	5:17.34	JAYNE BALL	GBR	1:29.37	SUSANNE OSTGATHE	GER	6:23.03	AUDREY COOPER	GBR
100 M. I.M.			5:18.71	K TREBESINER	USA	1:29.90	ANNETTE THATCHER	GBR	6:23.79	SKIPPY MATTSON	USA
1:13.29	COLETTE CRABBE	USA	5:19.60	MIDORI NAKAYAMA	JPN	1:30.01	MASAKO DAUTREY	JPN			
1:14.26	E. BEUCHER FEZARD	FRA	5:25.94	PILAR AVRITH	CAN	200 M. BRST			*****		
1:14.96	LEIANN CRITTENDEN	USA	800 M. FREE			2:58.85	ULRIKE URBANIAK	GER	*****		
1:15.05	K ANDRUS-HUGHES	USA	10:28.63	CHRISTIE CIRAULO	USA	3:02.66	JENNIFER MERRITT	GBR	*****		
1:15.31	LOLI BALBUENA	ESP	10:32.91	N STEADMAN-MARTIN	USA	3:05.10	FRANCES PENWARDEN	GBR	50 M. FREE		
1:15.37	RAMONA GUILLEN	ESP	10:36.00	SUSAN SKIFF	GER	3:10.61	PETRA SCHROER	GER	30.93	YOSHIKO KADOSAKA	JPN
1:15.75	LAURA GORGERINO	ITA	10:56.21	MIDORI NAKAYAMA	JPN	3:12.46	SUSANNE OSTGATHE	GER	31.50	DEBORAH BARTON	GBR
1:15.99	BONNIE BILICH	USA	11:02.68	JAYNE BALL	GBR	3:14.51	BARBARA HUMMEL	USA	31.72	MAGARETA RAINER	SWE
1:16.15	JANE MCCALL	USA	11:11.59	HEIDI ERNST	USA	3:15.47	SKIPPY MATTSON	USA	32.09	AKIO IWAMIZU	JPN
1:16.20	VALENTINA SALVIA	ITA	11:19.86	ANNE LABORWIT	USA	3:15.73	INEKE WEEKERS	NED	32.22	LYNETTE STEVENSON	AUS
200 M. I.M.			11:28.11	AUDREY COOPER	GBR	3:16.50	CATHERINE KOHN	USA	32.78	RUTH SHAPS	USA
2:39.76	LESLEY WILDE	GBR	11:31.62	PILAR AVRITH	CAN	3:16.52	MIRA GUGLIELMI	ITA	32.89	JUDY ALDEN	GBR
2:44.03	BONNIE BILICH	USA	11:31.67	J BREWIS	RSA	50 M. FLY			32.96	TRACY CLARKSON	AUS
2:44.77	JANE MCCALL	USA	1500 M. FREE			31.15	ANGELA ZINGLER	GER	33.06	CHRISTIE ALTMAN	USA
2:45.08	JAYNE O'BRIEN	GBR	19:56.25	CHRISTIE CIRAULO	USA	32.40	LAURA VAL	USA	33.25	YUMIKO YAMAZAKI	JPN
2:45.38	AMANDA HEATH	GBR	20:09.61	KATHI LINDSTROM	USA	32.95	CHRISTIE CIRAULO	USA	100 M. FREE		
2:46.73	CORY FERRARA	USA	20:22.62	N STEADMAN-MARTIN	USA	33.13	JOEL FELDMANN	USA	1:07.59	BARBARA DUNBAR	USA
2:47.15	JEANNE CARLSEN	CAN	20:38.45	MIDORI NAKAYAMA	JPN	34.06	KATHY HEENAN	AUS	1:09.45	BRIGITTE MERTEN	GER
2:47.40	JAN FOWLER	AUS	20:55.91	JAYNE BALL	GBR	34.13	CYNTHIA MALTRY	USA	1:09.74	MAGARETA RAINER	SWE
2:47.41	TRACI GRANGER	USA	21:14.78	DEBBIE WILSON	USA	34.34	SUSAN SKIFF	ITA	1:10.38	DEBORAH BARTON	GBR
2:47.62	RAMONA GUILLEN	ESP	21:46.09	PILAR AVRITH	CAN	34.53	KARLEN TREBESINER	USA	1:10.57	AKIO IWAMIZU	JPN
400 M. I.M.			21:55.91	JOAN BYRNE	USA	35.12	C. NIEUWENHUIS	NED	1:13.17	MARGARETA BRASK	SWE
5:54.42	TRACI GRANGER	USA	21:56.36	MARIAN BELSTEN	GBR	35.38	HISAMI NAKAO	JPN	1:13.38	JUDY ALDEN	GBR
5:54.77	VERITY DOBBIE	GBR	22:07.44	SALLY GUTHRIE	USA	100 M. FLY			1:14.32	JULIE CRAYFORD	GBR
5:55.63	BIRGIT HEINIG	GER	50 M. BACK			1:10.02	LAURA VAL	USA	1:14.32	MIEKO ISHIDA	JPN
5:57.81	MARGUERITE MEYER	USA	33.10	LAURA VAL	USA	1:14.18	ANGELA ZINGLER	GER	1:14.43	ANGELIKA RADAU	GER
6:00.22	JAY LEUTNER	USA	34.39	EVIE LYNCH	USA	1:15.96	SUSAN SKIFF	ITA	200 M. FREE		
6:02.41	CHARLENE O'BRIEN	USA	34.53	ANGELA ZINGLER	GER	1:16.40	CHRISTIE CIRAULO	USA	2:27.59	BARBARA DUNBAR	USA
6:03.58	LESLIE HENSHAW	USA	34.86	JOEL FELDMANN	USA	1:17.83	JILL QUIRK	CAN	2:35.30	BRIGITTE MERTEN	GER
6:04.77	DONNA GADSBY	AUS	35.86	PILAR AVRITH	CAN	1:18.08	M. NEUMEISTER	GER	2:39.36	SUSAN YEOMANS	USA
6:06.47	ROBIN BATCHELOR	USA	36.37	BARBARA STUBBE	GER	1:18.66	EVIE LYNCH	USA	2:39.91	MARGARETA RAINER	SWE
6:07.60	C DAVIE	RSA	36.50	JANETTE JEFFREY	AUS	1:20.84	MIDORI NAKAYAMA	JPN	2:42.48	RACHEL BARTON	GBR
*****			36.51	CARLA YOUNG	CAN	1:22.22	M. HILLENBRAND	GER	2:43.09	AKIO IWAMIZU	JPN
*****			36.71	KARLEN TREBESINER	USA	1:22.66	CLAUDIA KOCH	GER	2:44.75	ANN LYTTLE	USA
*****			36.94	ANN GUINS	USA	200 M. FLY			2:45.08	TRACY CLARKSON	AUS
*****			100 M. BACK			2:53.24	SUSAN SKIFF	ITA	2:45.38	ESTHER HOLDSHTEN	ISR
50 M. FREE			1:13.63	EVIE LYNCH	USA	2:53.29	N STEADMAN-MARTIN	USA	2:45.39	MARCIA BARRY	USA

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

400	M.	FREE		1:30.08	UTA HOFFMANN	GER	6:10.67	BRIGITTE MERTEN	GER	26:33.61	SUSAN MEYERS	USA
5:01.53	BARBARA DUNBAR	USA	1:30.11	GINGER PIERSON	USA	6:30.41	JULIE CRAYFORD	GBR	50	M.	BACK	
5:25.22	MARGARETA RAINER	SWE	1:31.05	ELISABETH REINEKE	GER	6:43.43	INGEBORG SEIDEL	GER	37.36	HIROMI SATO	JPN	
5:40.54	MEREDITH MOORE	USA	1:32.91	BEA POOL	NED	6:46.04	RITSUKO KUROSAWA	JPN	37.89	SATOKO TAKEUJI	JPN	
5:42.26	MARCIA BARRY	USA	1:34.13	MARGOT PETTIJOHN	USA	6:48.64	CAROLYN BOAK	USA	39.68	JEN THOMASSON	AUS	
5:49.38	ANN LYTLE	USA	1:34.32	YVONNE CATTRALL	CAN	6:53.71	ELISABETH REINEKE	GER	40.15	E. KETELSEN	DEN	
5:50.26	MARGARETA BRASK	SWE	1:34.33	KAYAKO HIROSE	JPN	7:00.42	SUSAN YEOMANS	USA	40.21	BONNIE PRONK	CAN	
5:52.40	LINDA SHOENBERGER	USA	1:34.53	HELEN JENKINS	GBR	7:01.94	GINGER PIERSON	USA	40.54	CHRISTEL SCHULZ	GER	
5:52.89	JULIE CRAYFORD	GBR	1:34.66	INGE EICHNER	GER	7:04.98	PATRICIA JACKSON	GBR	40.93	RENATE ZSCHOCKELT	GER	
5:56.06	JOANNE MENARD	USA	1:34.86	YOSHIE OGASAWARA	JPN				41.14	JANET BROWN	GBR	
5:57.73	ROSE MONTAGUE	AUS	200	M. BRST		*****			41.19	INGRID MOLLEROP	NOR	
800	M.	FREE	3:20.49	YOSHIE OGASAWARA	JPN		WOMEN 60-64		41.50	GISELA CSEKO	AUT	
10:17.86	BARBARA DUNBAR	USA	3:20.84	GINGER PIERSON	USA	*****			100	M.	BACK	
11:11.12	MARGARETA RAINER	SWE	3:21.72	JULIE CRAYFORD	GBR	50	M. FREE		1:26.52	BONNIE PRONK	CAN	
11:30.15	MEREDITH MOORE	USA	3:22.22	ELISABETH REINEKE	GER	31.84	JUDY WILSON	GBR	1:28.10	CHRISTEL SCHULZ	GER	
11:41.16	UTA HOFFMANN	GER	3:24.25	MARGOT PETTIJOHN	USA	32.20	CHRISTEL SCHULZ	GER	1:28.94	E. KETELSEN	DEN	
11:49.08	JULIE CRAYFORD	GBR	3:24.51	INGEBORG SEIDEL	GER	33.33	NANCY RIDOUT	USA	1:30.44	NORIKO YOSHIDA	JPN	
11:59.18	LINDA SHOENBERGER	USA	3:25.25	YVONNE CATTRALL	CAN	33.51	GISELA CSEKO	AUT	1:31.01	JANET BROWN	GBR	
12:06.93	MIREILLE RICHTER	SUI	3:26.37	RITSUKO KUROSAWA	JPN	33.58	D. PAOLETTI	ITA	1:31.96	KAZUKO ITO	JPN	
12:15.95	JUNKO IDE	JPN	3:26.78	MARGARET BAKISH	CAN	33.59	ARDETH MUELLER	USA	1:33.65	GISELA CSEKO	AUT	
12:18.85	JOANNE MENARD	USA	3:27.02	HELEN JENKINS	GBR	33.60	JEN THOMASSON	AUS	1:34.18	JENNIFER MCLEAN	AUS	
12:20.29	COLLEEN NELSON	CAN	50	M. FLY		33.71	GEORGINA LOPEZ	CAN	1:34.53	HEIDI GUHL	GER	
1500	M.	FREE	33.76	YOSHIO KADOSAKA	JPN	33.96	HARRIET BERGER	GER	1:34.63	TAKAKO KAJITA	JPN	
19:24.70	BARBARA DUNBAR	USA	34.36	DEBORAH BARTON	GBR	34.00	JEAN HOWARD-JONES	GBR	200	M.	BACK	
22:50.15	LINDA SHOENBERGER	USA	34.48	BARBARA DUNBAR	USA	100	M. FREE		3:05.07	BONNIE PRONK	CAN	
23:09.91	JUNKO IDE	JPN	34.64	YVONNE LEONOV	ISR	1:10.53	JUDY WILSON	GBR	3:05.82	CHRISTEL SCHULZ	GER	
23:23.87	PHYLLIS SPRINGER	USA	35.74	YASUKO SOGA	JPN	1:12.06	JEN THOMASSON	AUS	3:11.15	JEN THOMASSON	AUS	
23:24.73	M ELAINE BLOWER	GBR	35.96	SUSANA BARKLEY	ESP	1:15.36	JACKIE MARR	USA	3:15.69	KAZUKO ITO	JPN	
23:27.78	JANE LESLIE	GBR	36.40	JAN WICKS	AUS	1:16.32	E. KETELSEN	DEN	3:16.72	JOY WARD	USA	
23:39.10	SUSAN GUSTAVISON	CAN	36.91	A SUSAN TYLER	USA	1:17.54	GEORGINA LOPEZ	CAN	3:17.52	JANE KATZ	USA	
23:52.58	RITSUKO KUROSAWA	JPN	37.08	JANET GETTLING	USA	1:17.90	LEA HILL	AUS	3:17.75	GISELA CSEKO	AUT	
24:04.57	REIKO INOUE	JPN	37.19	LYNNE TANNER	GBR	1:18.10	NANCY RIDOUT	USA	3:18.75	JACKIE MARR	USA	
24:07.74	KATHRINE CASEY	USA	100	M. FLY		1:18.34	RITSUKO SUGIMURA	JPN	3:22.34	JANET BROWN	GBR	
50	M.	BACK	1:16.31	BARBARA DUNBAR	USA	1:18.68	CAROLYN FLEMING	AUS	3:26.39	LYNNE LUND	USA	
35.00	DEBORAH BARTON	GBR	1:22.05	SUSANA BARKLEY	ESP	1:18.84	JEAN HOWARD-JONES	GBR	50	M.	BRST	
36.55	MARGIT OHLSSON	SWE	1:26.33	JULIE CRAYFORD	GBR	200	M. FREE		41.03	BONNIE PRONK	CAN	
36.80	YOKO NAKAMURA	JPN	1:26.45	SUSAN TYLER	USA	2:38.37	JUDY WILSON	GBR	41.35	ELAINE BROMWICH	GBR	
36.91	PENNY STEELE	AUS	1:27.25	LYNNE TANNER	GBR	2:46.55	ARDETH MUELLER	USA	41.99	HARRIET BERGER	GER	
37.62	YVONNE LEONOV	ISR	1:29.09	CHRISTIE ALTMAN	USA	2:48.78	HANNELORE ROSE	GER	42.38	DTANE FORD	GBR	
37.80	TAKAKO NAKAHARA	JPN	1:29.60	RITSUKO KUROSAWA	JPN	2:49.90	LEA HILL	AUS	42.95	VERA SASSE	BRA	
38.01	LYNETTE STEVENSON	AUS	1:30.07	HARRIET BURE	SWE	2:51.11	JACKIE MARR	USA	42.97	ROTRAUD PALMER	GBR	
38.62	LYNNE TANNER	GBR	1:31.17	ATSUKO TSUZUKI	JPN	2:54.07	BONNIE PRONK	CAN	43.77	JEN THOMASSON	AUS	
39.28	RUTH SHAPS	USA	1:31.19	GINGER PIERSON	USA	2:54.91	NORIKI YOSHIDA	JPN	44.30	DANA MALONOVA	CZE	
39.30	TRACY CLARKSON	AUS	200	M. FLY		2:55.20	PENNY WEBSTER	GBR	44.68	M. VAN DER VEEN	GBR	
100	M.	BACK	2:47.18	BARBARA DUNBAR	USA	2:55.39	NANCY RIDOUT	USA	44.80	SEIKO HASEBE	JPN	
1:20.05	DEBORAH BARTON	GBR	3:08.77	JULIE CRAYFORD	GBR	2:56.27	GISELA CSEKO	AUT	100	M.	BRST	
1:20.44	MARGIT OHLSSON	SWE	3:09.40	SUSANA BARKLEY	ESP	400	M. FREE		1:28.18	HANNELORE ROSE	GER	
1:23.32	PENNY STEELE	AUS	3:20.77	GINGER PIERSON	USA	5:38.72	ARDETH MUELLER	USA	1:30.25	BONNIE PRONK	CAN	
1:23.55	YVONNE LEONOV	ISR	3:21.20	RITSUKO KUROSAWA	JPN	5:50.14	JUDY WILSON	GBR	1:30.65	MONIKA SENFTLEBEN	GER	
1:25.30	KENNIE OLSSON	SWE	3:24.01	PATRICIA JACKSON	GBR	5:51.07	CHRISTEL SCHULZ	GER	1:31.50	DTANE FORD	GBR	
1:25.43	LYNETTE STEVENSON	AUS	3:33.75	ELISABETH REINEKE	GER	5:52.69	HANNELORE ROSE	GER	1:32.23	ELAINE BROMWICH	GBR	
1:25.97	SUSIE BRESLIN	GBR	3:37.76	BARBARA LARSEN	USA	5:58.51	PENNY WEBSTER	GBR	1:35.34	MONIKA WARNUSZ	GER	
1:26.33	BARBARA DUNBAR	USA	3:42.24	ELZA ADOLPHO	BRA	6:00.64	BONNIE PRONK	CAN	1:36.62	ROTRAUD PALMER	GBR	
1:27.03	LYNNE TANNER	GBR	3:44.73	MARY POHLMANN	USA	6:03.34	E. KETELSEN	DEN	1:38.93	M. VAN DER VEEN	GBR	
1:27.25	MATILDE MAAL	BRA	100	M. I. M.		6:09.50	KAZUKO ITO	JPN	1:38.93	ABIHSSIRA TOMASI	FRA	
200	M.	BACK	1:21.12	MARGARETA RAINER	SWE	6:10.99	LYNNE LUND	USA	1:39.56	DANIELA BARNEA	USA	
3:01.07	DEBORAH BARTON	GBR	1:21.56	DEBORAH BARTON	GBR	6:12.15	NANCY RIDOUT	USA	200	M.	BRST	
3:01.60	BARBARA DUNBAR	USA	1:23.95	MARGIT OHLSSON	SWE	800	M. FREE		3:14.43	HANNELORE ROSE	GER	
3:05.89	JULIE GUNTTHORP	NZL	1:24.86	RUTH SHAPS	USA	11:24.28	ARDETH MUELLER	USA	3:15.00	BONNIE PRONK	CAN	
3:06.21	MEREDITH MOORE	USA	1:25.47	JAN WICKS	AUS	11:34.09	JACKIE MARR	USA	3:22.16	ELAINE BROMWICH	GBR	
3:08.89	RUTH SHAPS	USA	1:25.80	JULIE CRAYFORD	GBR	12:06.45	HANNELORE ROSE	GER	3:23.22	DIANE FORD	GBR	
3:09.02	SUSIE BRESLIN	GBR	1:25.80	YVONNE LEONOV	ISR	12:20.06	BONNIE PRONK	CAN	3:28.10	MONIKA WARNUSZ	GER	
3:09.79	TRACY CLARKSON	AUS	1:25.94	LYNETTE STEVENSON	AUS	12:23.68	RITSUKO SUGIMURA	JPN	3:32.72	SILVANA ABREU	BRA	
3:10.85	PENNY STEELE	AUS	1:26.36	KATHY SLIFER	USA	12:26.70	PENNY WEBSTER	GBR	3:33.55	INGRID LUNING	GER	
3:11.42	MARY POHLMANN	USA	1:26.76	JANET GETTLING	USA	12:41.92	JANE KATZ	USA	3:34.85	DANIELA BARNEA	USA	
3:13.46	JULIA KEMP	GBR	200	M. I. M.		12:42.42	KAZUKO ITO	JPN	3:35.54	M. VAN DER VEEN	GBR	
50	M.	BRST	2:51.08	BRIGITTE MERTEN	GER	13:03.94	E. KETELSEN	DEN	3:37.98	HEATHER MORGAN	AUS	
38.57	JAN WICKS	AUS	2:56.12	BARBARA DUNBAR	USA	13:07.26	SUE CALNEK-MORRIS	USA	50	M.	FLY	
39.18	YVONNE CATTRALL	CAN	3:00.51	MARGARETA RAINER	SWE	1500	M. FREE		33.38	JUDY WILSON	GBR	
40.86	GINGER PIERSON	USA	3:02.82	JULIE CRAYFORD	GBR	23:14.66	BONNIE PRONK	CAN	35.71	MICHIE DOI	JPN	
41.16	JUDY ALDEN	GBR	3:04.70	MARGIT OHLSSON	SWE	23:42.50	RITSUKO SUGIMURA	JPN	36.00	HARRIET BERGER	GER	
41.42	BEA POOL	NED	3:10.33	NOBUKO YASUDA	JPN	24:26.09	SILVANA ABREU	BRA	36.72	ARDETH MUELLER	USA	
41.86	KAYAKO HIROSE	JPN	3:11.19	LYNNE TANNER	GBR	25:04.33	ERDA DILLINGER	CAN	36.72	CHRISTEL SCHULZ	GER	
41.91	ELISABETH REINEKE	GER	3:12.28	MICHIKO MOTEGI	JPN	25:04.81	LYNNE LUND	USA	37.96	SILVANA ABREU	BRA	
42.12	YVONNE LEONOV	ISR	3:12.68	RITSUKO KUROSAWA	JPN	25:37.07	E. KETELSEN	DEN	38.28	BONNIE PRONK	CAN	
42.25	HELEN JENKINS	GBR	3:14.40	CHRISTIE ALTMAN	USA	25:45.30	SUE CALNEK-MORRIS	USA	38.36	GISELA CSEKO	AUT	
42.32	IMMA GIER	GER	400	M. I. M.		26:07.91	KATSUE NOMURA	JPN	39.13	JOY WARD	USA	
100	M.	BRST	6:04.58	BARBARA DUNBAR	USA	26:26.00	PAT DAVIS	CAN	39.67	LYNNE LUND	USA	

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100 M. FLY		1:23.94 TAYO FUJIEDA	JPN	3:36.93 TAKEKO MUROMOTO	JPN	1:37.83 LINDA MACPHERSON	CAN
1:16.41 JUDY WILSON	GBR	1:24.04 RITA ANDROSONI	ITA	3:37.28 UTE REMENYI	AUT	200 M. I.M.	
1:21.87 HARRIET BERGER	GER	1:24.47 LINDA MACPHERSON	CAN	50 M. BRST		3:06.37 YOSHIKO OSAKI	JPN
1:29.52 CHRISTEL SCHULZ	GER	200 M. FREE		43.16 JOANN LEILICH	USA	3:25.95 HELGA REICH	GER
1:30.81 JEN THOMASSON	AUS	2:42.05 YOSHIKO OSAKI	JPN	43.50 SHOKO YONEZAWA	JPN	3:30.63 TAYO FUJIEDA	JPN
1:31.46 SILVANA ABREU	BRA	2:55.27 LINDA MACPHERSON	CAN	44.57 LUISE KNOPFLE	GER	3:31.68 BETSY JORDAN	USA
1:34.29 LYNNE LUND	USA	2:57.35 HELGA REICH	GER	44.90 MARCELA STASTNA	CZE	3:32.97 KEIKO YAMADA	JPN
1:34.37 JACKIE MARR	USA	2:58.47 SALLY BOLAR	USA	45.62 KAZUKO KAJIWARA	JPN	3:33.40 HIROKO OTSUBO	JPN
1:35.78 BONNIE PRONK	CAN	3:03.02 TAYO FUJIEDA	JPN	45.71 MASAYO AZUMA	JPN	3:40.79 GABRIELLA TUCCI	ITA
1:35.90 DANIELA BARNEA	USA	3:04.65 SUSAN MUNN	USA	46.25 ROSA-MARIA HOFFT	GER	3:41.75 TRICIA LIDDY	AUS
1:36.11 JOY WARD	USA	3:07.37 MARIA PENNA	BRA	46.48 MURIEL HITCHCOCK	GBR	3:42.51 BRENDAN HALLARD	GBR
200 M. FLY		3:07.44 KIYOKO IKEUCHI	JPN	46.51 TAYO FUJIEDA	JPN	3:43.64 SUSAN LIVINGSTON	USA
3:07.04 JUDY WILSON	GBR	3:08.56 KAZU KOYAMA	JPN	46.55 TERUKO NISHISAKO	JPN	400 M. I.M.	
3:13.71 ARDETH MUELLER	USA	3:09.82 LOTTIE GEURTS	NED	100 M. BRST		7:18.00 HELGA REICH	GER
3:25.59 BONNIE PRONK	CAN	400 M. FREE		1:32.37 JOANN LEILICH	USA	7:27.33 BETSY JORDAN	USA
3:26.26 JACKIE MARR	USA	5:48.34 YOSHIKO OSAKI	JPN	1:33.89 LUISE KNOPFLE	GER	7:41.14 KAZU KOYAMA	JPN
3:27.26 SILVANA ABREU	BRA	6:16.65 TAYO FUJIEDA	JPN	1:36.99 SHOKO YONEZAWA	JPN	7:51.68 SACHIKO HASEGAWA	JPN
3:31.45 DANIELA BARNEA	USA	6:24.53 MARIA PENNA	BRA	1:37.33 MASAYO AZUMA	JPN	7:52.48 URSULA FROHLICH	GER
3:37.03 GEORGIE HAMILTON	GBR	6:24.71 V. JOHANSSON	SWE	1:38.74 CHRISTINE PERFECT	GBR	7:54.08 SUSAN LIVINGSTON	USA
3:37.99 LYNNE LUND	USA	6:28.04 SALLY BOLAR	USA	1:40.76 TAYO FUJIEDA	JPN	8:02.45 MITSUKO ENDO	JPN
3:42.40 REIKO NAGASAKU	JPN	6:40.48 BETSY JORDAN	USA	1:42.15 KUMIE TOKUDA	JPN	8:11.31 HELI PAALOSALO	FIN
3:45.94 MARIA COSTA	BRA	6:42.32 ANN GRANTHAM	GBR	1:42.27 KEIKO YAMADA	JPN	8:15.85 TERUKO MURAKAMI	JPN
100 M. I.M.		6:42.96 KIYOKO IKEUCHI	JPN	1:43.41 GABRIELLA TUCCI	ITA	8:19.52 BARBARA ZAREMSKI	USA
1:21.20 HARRIET BERGER	GER	6:47.14 LOTTIE GEURTS	NED	1:43.61 HIROKO OTANI	JPN	*****	
1:25.00 BONNIE PRONK	CAN	6:47.73 LENORE SONNTAG	NZL	200 M. BRST		*****	
1:26.19 JEN THOMASSON	AUS	800 M. FREE		3:17.44 JOANN LEILICH	USA	*****	
1:26.27 SILVANA ABREU	BRA	12:51.68 HELGA REICH	GER	3:20.83 LUISE KNOPFLE	GER	*****	
1:29.64 JACKIE MARR	USA	13:04.46 REIKO ISHIZAKI	JPN	3:26.55 YOSHIKO OSAKI	JPN	50 M. FREE	
1:29.79 MONIKA SENFTLEBEN	GER	13:07.02 TAYO FUJIEDA	JPN	3:29.34 MASAYO AZUMA	JPN	33.86 JANE ASHER	GBR
1:30.01 RENATE ZSCHOCKELT	GER	13:25.07 BETSY JORDAN	USA	3:32.53 TAYO FUJIEDA	JPN	38.33 RONNIE KAMPHAUSEN	USA
1:30.80 GISELA CSEKO	AUT	13:29.84 MARGA SCHULZE	GER	3:36.72 CHRISTINE PERFECT	GBR	39.41 KIMIKO YOSHINAGA	JPN
1:31.60 ROTRAUD PALMER	GBR	13:32.50 SALLY BOLAR	USA	3:38.21 KEIKO YAMADA	JPN	39.57 MITSUKO KOMURO	JPN
1:32.23 KAZUKO ITO	JPN	13:57.85 SUSAN BRADLEY-COX	USA	3:40.80 HIROKO OTANI	JPN	40.18 MICHIKO OKUMURA	JPN
200 M. I.M.		14:17.06 HIROKO OTSUBO	JPN	3:43.18 GLORIA HARDY	AUS	40.37 GRETHE BENDTSEN	DEN
2:57.46 HARRIET BERGER	GER	14:23.91 DENISE ROBERTSON	AUS	3:47.53 GABRIELLA TUCCI	ITA	40.45 ANN KAY	USA
3:07.82 BONNIE PRONK	CAN	14:29.11 JENNY BALL	GBR	50 M. FLY		40.70 MASAE KURATA	JPN
3:10.56 SILVANA ABREU	BRA	1500 M. FREE		37.12 YOSHIKO OSAKI	JPN	40.72 SACHIKO MINETA	JPN
3:16.73 JACKIE MARR	USA	22:35.98 YOSHIKO OSAKI	JPN	38.46 HAIKE HOLER	GER	40.86 KEIKO FUJIMOTO	JPN
3:19.56 KAZUKO ITO	JPN	24:59.97 REIKO ISHIZAKI	JPN	39.59 HARUMI SUGIMOTO	JPN	100 M. FREE	
3:20.59 ROTRAUD PALMER	GBR	25:46.47 BETSY JORDAN	USA	40.70 CHRISTINE PERFECT	GBR	1:16.45 JANE ASHER	GBR
3:23.24 LYNNE LUND	USA	26:17.71 SUSAN BRADLEY-COX	USA	40.75 HISAKO SATO	JPN	1:24.69 BARBARA FENTIMAN	GBR
3:23.37 DIANE FORD	GBR	26:41.20 HIROKO OTSUBO	JPN	41.38 HISAKO KITAYAMA	JPN	1:28.78 RONNIE KAMPHAUSEN	USA
3:25.90 JOY WARD	USA	27:11.54 BARBARA ZAREMSKI	USA	41.50 MARCELA STASTNA	CZE	1:30.47 MITSUKO KOMURO	JPN
3:26.13 GEORGIE HAMILTON	GBR	27:14.47 JENNY BALL	GBR	42.41 SALLY BOLAR	USA	1:31.53 ANN KAY	USA
400 M. I.M.		27:35.78 TERUKO MURAKAMI	JPN	43.13 HELGA REICH	GER	1:31.66 JEAN KITSON	GBR
6:35.80 HANNELORE ROSE	GER	27:36.04 AKEMI KISHIBE	JPN	43.30 GABRIELLA TUCCI	ITA	1:32.11 INGRID ROTHE-DAY	GER
6:38.87 BONNIE PRONK	CAN	27:53.32 DENISE ROBERTSON	AUS	100 M. FLY		1:32.94 PAT NIBLETT	CAN
6:57.77 JACKIE MARR	USA	50 M. BACK		1:33.07 CHRISTINE PERFECT	GBR	1:32.99 ADRIENNE PIPES	USA
7:08.95 GEORGIE HAMILTON	GBR	42.36 BETSY JORDAN	USA	1:36.84 HAIKE HOLER	GER	1:33.08 MICHIKO OKUMURA	JPN
7:14.51 LYNNE LUND	USA	42.42 SHOKO YONEZAWA	JPN	1:37.78 SALLY BOLAR	USA	200 M. FREE	
7:17.47 KAZUKO ITO	JPN	42.46 V. JOHANSSON	SWE	1:39.77 MARCELA STASTNA	CZE	2:50.34 JANE ASHER	GBR
7:24.95 M.VAN DER VEEN	GBR	42.61 KEIKO YAMADA	JPN	1:40.49 HIROKO OTSUBO	JPN	3:06.44 RONNIE KAMPHAUSEN	USA
7:27.09 SEIKO HASEBE	JPN	42.78 ALICE KINNAIRD	AUS	1:42.96 HISAKO SATO	JPN	3:07.46 BARBARA FENTIMAN	GBR
7:28.44 SUSAN MEYERS	USA	43.26 HAIKE HOLER	GER	1:44.84 GABRIELLA TUCCI	ITA	3:14.55 DIANE STOWELL	USA
7:42.30 HIROKO IKEDA	JPN	43.82 TSUNEO YONEKURA	JPN	1:45.07 BETSY JORDAN	USA	3:17.09 ADRIENNE PIPES	USA
*****		44.24 GEY KNUDSEN	NOR	1:46.55 B.HJALMARSON	SWE	3:22.59 MICHIKO OKUMURA	JPN
*****		44.89 EVA JAROSOVA	CZE	1:47.46 SACHIKO HASEGAWA	JPN	3:25.87 INGRID ROTHE-DAY	GER
*****		45.05 LUISE KNOPFLE	GER	200 M. FLY		3:26.00 MARCIA RIBEIRO	BRA
*****		100 M. BACK		3:48.28 SALLY BOLAR	USA	3:28.44 PAT NIBLETT	CAN
50 M. FREE		1:31.66 V. JOHANSSON	SWE	3:52.92 ENEDINA PEREIRA	BRA	3:30.10 ANN HIRSCH	USA
31.91 HEIDE LORBERG	GER	1:32.53 BETSY JORDAN	USA	3:53.46 BETSY JORDAN	USA	400 M. FREE	
33.43 YOSHIKO OSAKI	JPN	1:34.63 KEIKO YAMADA	JPN	4:08.88 SUSAN LIVINGSTON	USA	6:01.97 JANE ASHER	GBR
34.44 BJORK GISNERVIK	NOR	1:35.79 BRENDA WALKER	GBR	4:12.46 MASUNO MASUDA	JPN	6:24.11 BARBARA FENTIMAN	GBR
35.28 TERUKO NISHISAKO	JPN	1:36.53 SHOKO YONEZAWA	JPN	4:17.90 BARBARA LOVE	USA	6:32.39 RONNIE KAMPHAUSEN	USA
35.35 OLGA KREJCI	SUI	1:36.73 MISAO MATSUMOTO	JPN	4:22.94 TEIKO KUBOTA	JPN	6:41.64 DIANE STOWELL	USA
35.65 HELI PAALOSALO	FIN	1:38.21 HAIKE HOLER	GER	4:28.58 HISAKO SAKAMOTO	JPN	6:51.32 ADRIENNE PIPES	USA
35.66 FUSAKO HIROOKA	JPN	1:38.24 Y. PICCIGUELLI	BRA	4:29.77 TOSHIO KATO	JPN	6:56.87 MICHIKO OKUMURA	JPN
36.15 SALLY BOLAR	USA	1:39.26 TSUNEO YONEKURA	JPN	4:36.71 INGRID STINE	USA	7:02.51 JEAN KITSON	GBR
36.27 KEIKO YAMADA	JPN	1:39.29 TAKEKO MUROMOTO	JPN	100 M. I.M.		7:17.80 LIDA GASCHKE	USA
36.69 V. JOHANSSON	SWE	200 M. BACK		1:25.39 YOSHIKO OSAKI	JPN	7:19.55 ANN HIRSCH	USA
100 M. FREE		3:18.68 BETSY JORDAN	USA	1:33.25 KEIKO YAMADA	JPN	7:21.86 MARCIA RIBEIRO	BRA
1:13.48 YOSHIKO OSAKI	JPN	3:22.90 BRENDA WALKER	GBR	1:33.95 SHOKO YONEZAWA	JPN	800 M. FREE	
1:20.49 HELGA REICH	GER	3:26.81 HARUMI SUGIMOTO	JPN	1:34.89 V. JOHANSSON	SWE	12:30.00 JANE ASHER	GBR
1:20.95 V. JOHANSSON	SWE	3:33.09 MISAO MATSUMOTO	JPN	1:35.44 HELI PAALOSALO	FIN	13:00.04 BARBARA FENTIMAN	GBR
1:22.61 DONNA RYMAN	USA	3:34.99 KEIKO YAMADA	JPN	1:35.79 TAYO FUJIEDA	JPN	14:23.05 JEAN KITSON	GBR
1:22.92 SALLY BOLAR	USA	3:35.32 DORIS HANNESSEN	GER	1:37.13 HAIKE HOLER	GER	14:26.92 MICHIKO OKUMURA	JPN
1:23.24 JEANNE LITTLE	USA	3:36.48 RITA ANDROSONI	ITA	1:37.31 HELGA REICH	GER	14:57.67 ANN HIRSCH	USA
1:23.29 KEIKO YAMADA	JPN	3:36.75 SALLY NEWELL	USA	1:37.53 SACHIKO HASEGAWA	JPN	15:24.29 GRETHE BENDTSEN	DEN

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

15:29.53	YOSHIKO KINOSHITA	JPN	4:13.12	SETSUKO OKUBO	JPN	41.50	KERSTIN GJORES	SWE	1:51.10	KERSTIN GJORES	SWE
15:34.21	PAT NIBLETT	CAN	4:13.26	M. WILKINSON	GBR	41.51	M. CUNNINGHAM	AUS	1:57.70	ERIKA LANGE	GER
15:37.91	DONNA MONROE	USA	4:16.21	MAREN PISKORA	GBR	41.64	NAN BOHL	USA	1:58.36	SYLVIA EISELE	CAN
15:49.27	FRANCES MCINTOSH	CAN	50 M. FLY			42.17	CLARA WALKER	USA	1:58.88	RUZENA VYMAZALOVA	CZE
1500 M. FREE			39.44	JANE ASHER	GBR	43.00	KIMIKO RI	JPN	1:59.42	SHIMAYO SASSA	JPN
23:54.74	JANE ASHER	GBR	45.76	JUDIE OLIVER	CAN	43.02	FLORENCE CARR	USA	200 M. BACK		
24:56.47	BARBARA FENTIMAN	GBR	47.11	HIROKO KATANO	JPN	100 M. FREE			3:48.62	KIMIKO OOKA	JPN
27:02.47	JEAN KITSON	GBR	47.39	ANN KAY	USA	1:25.39	GAIL ROPER	USA	3:51.89	NANCY KINNEY	USA
27:49.09	MICHIKO OKUMURA	JPN	49.28	RONNIE KAMPHAUSEN	USA	1:32.49	JOAN PARNELL	CAN	3:56.05	JOAN PARNELL	CAN
29:13.35	YOSHIKO KINOSHITA	JPN	49.60	KII SAITO	JPN	1:33.69	JEAN TROY	USA	3:58.36	CLARA WALKER	USA
29:15.44	GRETHE BENDTSEN	DEN	49.82	ADRIENNE PIPES	USA	1:34.57	NAN BOHL	USA	4:13.01	SYLVIA EISELE	CAN
29:58.41	DONNA MONROE	USA	49.83	KATSUKO KAGEYAMA	JPN	1:34.82	BETTY RUSS	USA	4:18.88	JOAN KIDD	GBR
30:01.09	JOAN CAMPBELL	USA	49.85	HIROKO OGAWA	JPN	1:36.00	CLARA WALKER	USA	4:27.81	STEFANENA KYSOR	USA
30:07.96	AGNES PORASZ	CAN	50.46	BARBARA CALLISON	USA	1:37.98	CHIE TANI	JPN	4:31.78	PEGGY SANBORN	USA
30:13.78	FRANCES MCINTOSH	CAN	100 M. FLY			1:38.14	BRITT GRILLI	SWE	4:38.35	CHIEKO MORIKANE	JPN
50 M. BACK			1:40.40	JANE ASHER	GBR	1:39.55	M. CUNNINGHAM	AUS	4:40.37	BERNICE PHILLIPS	USA
44.48	JANE ASHER	GBR	1:52.75	RONNIE KAMPHAUSEN	USA	1:40.59	KERSTIN GJORES	SWE	50 M. BRST		
44.80	GRETHE BENDTSEN	DEN	1:54.53	KII SAITO	JPN	200 M. FREE			49.97	EDITH BOHM	GER
46.74	ANN KAY	USA	1:54.65	JUDIE OLIVER	CAN	3:09.71	GAIL ROPER	USA	50.38	MARIA CARVALHO	BRA
48.83	KEIKO FUJIMOTO	JPN	1:54.68	ANN HIRSCH	USA	3:21.38	JEAN TROY	USA	50.52	SYLVIA EISELE	CAN
48.91	RONNIE KAMPHAUSEN	USA	1:59.68	HIROKO KATANO	JPN	3:31.08	BETTY RUSS	USA	50.57	SILVIA NEUHAUSER	AUT
49.14	LORNA HARDING	GBR	2:03.00	ILZA ETEROVIK	BRA	3:36.09	CLARA WALKER	USA	51.32	CAROL TAYLOR	USA
49.29	MARCIA RIBEIRO	BRA	2:03.25	YASUKO TSUCHIYA	JPN	3:40.77	TSURUYO TANAKA	JPN	54.21	ERIKA LANGE	GER
49.79	TAKAKO SATO	JPN	2:08.76	CHIYO FUKUSHIMA	JPN	3:45.50	M. CUNNINGHAM	AUS	54.74	HIDEKO NAKADA	JPN
50.06	MARLENE MENDES	BRA	2:09.97	B. MOLLER JENSEN	DEN	3:47.39	CHIE TANI	JPN	54.83	SAYOKO WATANABE	JPN
50.09	I. KEUSCH-RENNER	GER	200 M. FLY			3:50.65	JOYCE WILLS	AUS	55.03	ATI DERKSE	NED
100 M. BACK			3:55.59	JUDIE OLIVER	CAN	3:54.44	CAROL TAYLOR	USA	55.70	TERUKO ONO	JPN
1:41.28	ANN KAY	USA	4:25.92	ANN HIRSCH	USA	3:55.70	BETTY MC MILLAN	USA	100 M. BRST		
1:41.34	JANE ASHER	GBR	4:31.76	AYA HIRANO	JPN	400 M. FREE			1:47.80	SILVIA NEUHAUSER	AUT
1:41.52	GRETHE BENDTSEN	DEN	4:57.99	CHIYO FUKUSHIMA	JPN	6:54.68	GAIL ROPER	USA	1:52.35	GAIL ROPER	USA
1:47.53	I. KEUSCH-RENNER	GER	4:59.91	ANNIE DE VOS	NED	7:04.73	JEAN TROY	USA	1:56.82	SYLVIA EISELE	CAN
1:48.46	CONNY STAMHUIS	CAN	5:10.97	KAYO OKADA	JPN	7:23.77	BETTY RUSS	USA	1:57.13	CAROL TAYLOR	USA
1:48.93	RONNIE KAMPHAUSEN	USA	5:13.07	JANET MOELLER	USA	7:28.17	BRITT GRILLI	SWE	2:04.55	NAN BOHL	USA
1:49.08	MARCIA RIBEIRO	BRA	5:17.13	NADIR TAUBERT	BRA	7:55.61	CHIE TANI	JPN	2:06.20	EIKO MORI	JPN
1:49.28	MARLENE MENDES	BRA	5:22.58	AILSA DUNCAN	AUS	8:04.05	CAROL TAYLOR	USA	2:06.28	SAYOKO WATANABE	JPN
1:50.41	LORNA HARDING	GBR	5:24.28	HARUKO SASAKI	JPN	8:08.58	EDIE GRUENDER	USA	2:06.76	ATI DERKSE	NED
1:50.99	SUMIKO SUMITA	JPN	100 M. I.M.			8:21.57	M. MCMAHON-COLLINS	NZL	2:07.04	ERIKA LANGE	GER
200 M. BACK			1:33.76	JANE ASHER	GBR	8:30.72	JEANNE MEREDITH	USA	2:08.86	JOAN KIDD	GBR
3:37.34	JANE ASHER	GBR	1:44.26	ANN HIRSCH	USA	8:33.82	BETTY MC MILLAN	USA	200 M. BRST		
3:43.63	MARLENE MENDES	BRA	1:44.26	ANN KAY	USA	800 M. FREE			3:54.55	SILVIA NEUHAUSER	AUT
3:45.79	ANN KAY	USA	1:44.42	RONNIE KAMPHAUSEN	USA	14:27.37	GAIL ROPER	USA	4:03.79	GAIL ROPER	USA
3:51.27	RONNIE KAMPHAUSEN	USA	1:45.14	GRETHE BENDTSEN	DEN	15:24.03	BETTY RUSS	USA	4:10.22	SYLVIA EISELE	CAN
4:07.25	GRACE ISAAC	GBR	1:47.45	JUDIE OLIVER	CAN	15:58.98	CAROL TAYLOR	USA	4:14.09	CAROL TAYLOR	USA
4:07.69	ERIKA WUNSCH	GER	1:48.06	MICHIKO OKUMURA	JPN	16:15.11	M. CUNNINGHAM	AUS	4:22.89	EIKO MORI	JPN
4:09.11	MICHIKO TOKANO	JPN	1:49.67	NORMA POWELL	CAN	17:17.97	BETTY MC MILLAN	USA	4:31.36	NAN BOHL	USA
4:09.59	TAKAKO SATO	JPN	1:50.19	REIKO YAMAGUCHI	JPN	17:26.84	M. MCMAHON-COLLINS	NZL	4:34.14	ATI DERKSE	NED
4:09.60	ANNIE DE VOS	NED	1:51.12	KIKUKO YAMADA	JPN	18:17.80	NANCY REED	USA	4:37.65	ERIKA LANGE	GER
4:09.98	AIKO GOTO	JPN	200 M. I.M.			19:00.22	NOBUKO NAKAJIMA	JPN	4:39.89	JOAN KIDD	GBR
50 M. BRST			3:29.55	JANE ASHER	GBR	19:04.86	PEGGY SANBORN	USA	4:40.42	SAYOKO WATANABE	JPN
47.69	I. KEUSCH-RENNER	GER	3:34.91	JUDIE OLIVER	CAN	19:05.64	CHIEKO MORIKANE	JPN	50 M. FLY		
48.83	MATHILDE LAURITO	BRA	3:48.34	RONNIE KAMPHAUSEN	USA	1500 M. FREE			44.18	GAIL ROPER	USA
49.59	ANN HIRSCH	USA	3:49.22	ANN HIRSCH	USA	27:02.62	GAIL ROPER	USA	49.26	SILVIA NEUHAUSER	AUT
49.82	MYRNA TAYLOR	GBR	3:56.76	MICHIKO OKUMURA	JPN	29:46.02	BETTY RUSS	USA	52.47	EDITH BOHM	GER
51.63	L. MOTSCHIEDLER	GER	3:58.92	ANN KAY	USA	31:46.80	EDIE GRUENDER	USA	52.78	CAROL TAYLOR	USA
51.64	SETSUKO OKUBO	JPN	4:00.71	MARCIA RIBEIRO	BRA	34:20.15	M. MCMAHON-COLLINS	NZL	55.28	SYLVIA EISELE	CAN
52.14	M. WILKINSON	GBR	4:03.21	JEAN KITSON	GBR	35:20.47	JOYCE WILLS	AUS	55.71	JEAN TROY	USA
52.28	CONNY STAMHUIS	CAN	4:06.02	BARBARA CALLISON	USA	35:40.17	CHIEKO MORIKANE	JPN	55.99	BETTY RUSS	USA
52.51	LILLY KRON	USA	4:13.08	LILLY KRON	USA	35:46.65	PEGGY SANBORN	USA	56.05	CHIE TANI	JPN
52.69	MIYAKO UCHIDA	JPN	400 M. I.M.			37:02.69	NANCY REED	USA	58.41	AKIKO ONOHARA	JPN
100 M. BRST			8:16.32	ANN HIRSCH	USA	38:44.80	JANET STOBIE	GBR	59.49	NORIKO NISHIKAWA	JPN
1:44.18	ELIANE PELLIS	BEL	8:43.95	LILLY KRON	USA	38:55.86	TOSHIKO AMANO	JPN	100 M. FLY		
1:44.73	DIANE STOWELL	USA	8:56.07	ANNIE DE VOS	NED	50 M. BACK			1:50.72	GAIL ROPER	USA
1:46.87	GRETHE BENDTSEN	DEN	9:18.65	EULAH VARTY	CAN	45.28	JOAN PARNELL	CAN	1:51.03	SILVIA NEUHAUSER	AUT
1:47.73	ANN HIRSCH	USA	9:24.78	TOSHIE YOSHIDA	JPN	48.09	KERSTIN GJORES	SWE	2:02.44	SYLVIA EISELE	CAN
1:50.23	JUDIE OLIVER	CAN	9:30.28	AYA HIRANO	JPN	48.97	NANCY KINNEY	USA	2:07.15	CAROL TAYLOR	USA
1:51.10	MATHILDE LAURITO	BRA	9:45.80	CHIYO FUKUSHIMA	JPN	49.37	KIMIKO OOKA	JPN	2:11.21	CHIE TANI	JPN
1:53.10	MIYAKO UCHIDA	JPN	9:50.71	JANET MOELLER	USA	49.63	EDITH BOHM	GER	2:11.56	BETTY RUSS	USA
1:54.35	LILLY KRON	USA	9:58.28	JOAN CAMPBELL	USA	50.10	SILVIA NEUHAUSER	AUT	2:11.67	JEAN TROY	USA
1:54.73	M. WILKINSON	GBR	10:12.82	MICHIKO TOKANO	JPN	50.25	BARBARA JACKSON	USA	2:12.62	Y. KAPLAN BADER	FRA
1:55.11	NORIKO KIMURA	JPN	*****			53.35	RUZENA VYMAZALOVA	CZE	2:13.83	TSURUYO TANAKA	JPN
200 M. BRST			*****			53.77	MITSUKO KURASHIGE	JPN	2:28.57	EDIE GRUENDER	USA
3:44.57	ELIANE PELLIS	BEL	*****			53.89	KAZUKO TAGUCHI	JPN	200 M. FLY		
3:52.29	ANN HIRSCH	USA	*****			100 M. BACK			4:09.28	GAIL ROPER	USA
4:02.74	LILLY KRON	USA	50 M. FREE			1:44.36	JOAN PARNELL	CAN	4:33.31	BETTY RUSS	USA
4:02.79	MIYAKO UCHIDA	JPN	37.24	GAIL ROPER	USA	1:46.88	KIMIKO OOKA	JPN	4:33.81	SYLVIA EISELE	CAN
4:04.03	MATHILDE LAURITO	BRA	39.84	BETTY RUSS	USA	1:47.77	BARBARA JACKSON	USA	5:13.15	EDIE GRUENDER	USA
4:09.22	GRETHE BENDTSEN	DEN	41.00	BRITT GRILLI	SWE	1:49.83	NANCY KINNEY	USA	5:54.86	GLADYS OLSEN	USA
4:09.48	NORIKO KIMURA	JPN	41.28	JOAN PARNELL	CAN	1:50.72	SILVIA NEUHAUSER	AUT	7:55.45	MARIAN WOLLE	USA

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10:41.18 GLORIA STUFFEL	USA	9:19.82 KALIS RASMUSSEN	CAN	5:11.29 MURIEL FLYNN	USA	2:22.11 LILLIAN WARREN	CAN
100 M. I.M.		9:38.21 LIZ KNUTZEN	DEN	5:14.62 LIZ KNUTZEN	DEN	2:24.57 ANNE WALKER	USA
1:38.11 GAIL ROPER	USA	10:09.19 CHIYOKO TAKIZAWA	JPN	5:14.77 LOIS KIVI NOCHMAN	USA	2:33.45 KIKU ONO	JPN
1:45.44 SILVIA NEUHAUSER	AUT	10:15.65 JUNE REYNOLDS	USA	5:21.00 REGAN KENNER	USA	2:45.88 ANNIE SZUIS	USA
1:49.54 JOAN PARNELL	CAN	800 M. FREE		5:25.26 FUMI MURATA	JPN	2:47.57 KAY SCHIMPF	USA
1:50.69 NANCY KINNEY	USA	16:03.95 MARGERY MEYER	USA	5:30.21 JAE HOWELL	USA	2:52.62 MARY LATHRAM	USA
1:52.18 JEAN TROY	USA	17:28.85 LOIS KIVI NOCHMAN	USA	5:44.89 JUNE REYNOLDS	USA	200 M. FREE	
1:52.54 KIMIKO OOKA	JPN	18:14.55 MAURINE KORNFIELD	USA	6:25.13 CORNELIA JOHNSON	USA	4:10.13 RITA SIMONTON	USA
1:54.49 EDITH BOHM	GER	19:09.77 KALIS RASMUSSEN	CAN	7:16.69 MARY WIXTED	USA	4:32.73 URSULA OEHMKE	GER
1:55.27 CAROL TAYLOR	USA	21:33.99 CHIYOKO TAKIZAWA	JPN	50 M. FLY		4:37.43 EDITH THEIN	ISR
1:55.58 SYLVIA EISELE	CAN	21:37.54 JUNE REYNOLDS	USA	55.65 LOIS NOCHMAN	USA	5:01.26 LILLIAN WARREN	CAN
2:01.33 M. CUNNINGHAM	AUS	21:44.21 SIMONE BENOIT	FRA	1:04.52 NORA RONAI	BRA	5:06.29 AUDREY ETIENNE	USA
200 M. I.M.		26:28.66 MARION CHADWICK	USA	1:04.92 YONE MURATA	JPN	5:06.32 YOSHIKO WATANABE	JPN
3:44.32 GAIL ROPER	USA	1500 M. FREE		1:06.47 DIANA SILVA	USA	5:13.96 ANNE WALKER	USA
4:04.85 KIMIKO OOKA	JPN	31:45.05 LOIS KIVI NOCHMAN	USA	1:08.28 ELISA DE LEEUW	CAN	5:31.11 KIKU ONO	JPN
4:10.35 JEAN TROY	USA	33:55.61 FUMI MURATA	JPN	1:09.10 MARGERY MEYER	USA	5:36.33 ANNIE SZUIS	USA
4:19.00 SYLVIA EISELE	CAN	36:39.49 KALIS RASMUSSEN	CAN	1:09.83 JUNE REYNOLDS	USA	5:39.09 JOAN GODSALL	AUS
4:30.67 TSURUYO TANAKA	JPN	37:06.27 BUNNY CEDERLUND	USA	1:14.76 SARAH ALLNUTT	USA	400 M. FREE	
4:31.25 NORIKO NISHIKAWA	JPN	40:47.27 CHIYOKO TAKIZAWA	JPN	1:14.98 KALIS RASMUSSEN	CAN	8:37.39 RITA SIMONTON	USA
4:45.02 BARBARA OWENS	USA	41:07.16 JOYCE FAUNCE	AUS	1:17.56 GRACE ALTUS	USA	10:20.28 LILLIAN WARREN	CAN
4:46.47 JUNE KRAUSER	USA	44:45.00 MARY SLATER	GBR	100 M. FLY		11:43.85 KIKU ONO	JPN
4:50.49 RUTH AARON	USA	50 M. BACK		2:02.63 LOIS NOCHMAN	USA	11:48.22 ANNIE SZUIS	USA
5:10.76 DIXIE GERMOLUS	USA	52.24 DORIS STEADMAN	USA	2:37.70 NORA RONAI	BRA	12:30.84 INGER ANDERSEN	DEN
400 M. I.M.		54.02 MIDORI KINJO	JPN	2:39.06 DIANA SILVA	USA	14:03.14 JEANNE TURGEON	CAN
8:38.09 SYLVIA EISELE	CAN	55.05 SILVIA CRAVERI	ITA	2:40.66 JAE HOWELL	USA	14:56.08 MASAKO MATSUNO	JPN
8:38.74 KIMIKO OOKA	JPN	55.33 DORIS MCEWAN	CAN	2:46.74 JUNE REYNOLDS	USA	800 M. FREE	
8:58.33 JEAN TROY	USA	55.36 BUNNY CEDERLUND	USA	3:30.99 KALIS RASMUSSEN	CAN	17:20.31 RITA SIMONTON	USA
9:05.41 NANCY KINNEY	USA	56.16 SARAH ALLNUTT	USA	4:22.45 KIYOMI KITAMURA	JPN	21:38.16 LILLIAN WARREN	CAN
9:20.41 BETTY RUSS	USA	57.40 MASAKO HOTEHAMA	JPN	6:09.54 ELFIE STEVENIN	USA	25:39.04 JOAN GODSALL	AUS
9:46.93 EDIE GRUENDER	USA	57.57 REGAN KENNER	USA	200 M. FLY		1500 M. FREE	
10:00.87 JUNE KRAUSER	USA	58.09 JEANNE MERRYMAN	USA	4:36.80 LOIS NOCHMAN	USA	32:44.05 RITA SIMONTON	USA
11:19.02 MARIANNA HAGAN	USA	58.25 LOIS KIVI NOCHMAN	USA	5:52.09 JAE HOWELL	USA	43:26.67 KIKU ONO	JPN
11:41.05 FUMIKO TSUJITANI	JPN	100 M. BACK		6:15.52 JUNE REYNOLDS	USA	50 M. BACK	
11:42.38 GLADYS OLSEN	USA	1:57.07 DORIS STEADMAN	USA	100 M. I.M.		58.02 NOEL MORROW	CAN
*****		1:57.77 BUNNY CEDERLUND	USA	2:02.30 DORIS MCEWAN	CAN	1:04.23 MARJORIE SHARPE	USA
WOMEN 80-84		1:58.72 MIDORI KINJO	JPN	2:02.67 LOIS KIVI NOCHMAN	USA	1:05.43 MICHIKO HAMURO	JPN
*****		2:03.18 DORIS MCEWAN	CAN	2:07.67 ELISA DE LEEUW	CAN	1:06.35 HIDEKO HANADA	JPN
50 M. FREE		2:04.50 REGAN KENNER	USA	2:13.27 SATOKO SUZUKI	JPN	1:06.58 EDITH THEIN	ISR
44.01 OLGA JOHNSON	NZL	2:06.38 LOIS KIVI NOCHMAN	USA	2:24.55 JEANNE MERRYMAN	USA	1:07.68 TERU USHIKI	JPN
46.18 ELISA DE LEEUW	CAN	2:07.67 DOROTHY WILLIAMS	GBR	2:25.72 KALIS RASMUSSEN	CAN	1:08.97 CHARLOTTE THIEL	GER
46.45 DORIS MCEWAN	CAN	2:10.56 SARAH ALLNUTT	USA	2:26.57 FUMI MURATA	JPN	1:11.02 EDITH GLUSAC	USA
49.44 JOYCE FAUNCE	AUS	2:11.98 JEANNE MERRYMAN	USA	2:27.91 JUNE REYNOLDS	USA	1:11.17 JEANNE TURGEON	CAN
49.64 SUGAKO KUWAYAMA	JPN	2:15.75 LISA FRIIS	DEN	2:29.16 LIZ KNUTZEN	DEN	1:11.82 LILLIAN WARREN	CAN
49.89 BUNNY CEDERLUND	USA	200 M. BACK		2:42.06 KATH CLAPP	GBR	100 M. BACK	
50.02 MASAKO MUKAO	JPN	4:09.07 DORIS STEADMAN	USA	200 M. I.M.		2:13.95 NOEL MORROW	CAN
50.25 LOIS KIVI NOCHMAN	USA	4:26.52 REGAN KENNER	USA	4:30.06 LOIS NOCHMAN	USA	2:23.95 EDITH THEIN	ISR
51.95 YONE MURATA	JPN	4:30.66 LOIS KIVI NOCHMAN	USA	4:44.14 ELISA DE LEEUW	CAN	2:25.46 HIDEKO HANADA	JPN
52.13 RUTH BAAR	USA	4:37.48 BUNNY CEDERLUND	USA	4:54.33 MARGERY MEYER	USA	2:33.93 LILLIAN WARREN	CAN
100 M. FREE		4:46.53 ELINOR WRIGHT	USA	5:12.36 JAE HOWELL	USA	2:37.39 EDITH GLUSAC	USA
1:39.76 ELISA DE LEEUW	CAN	4:47.83 JEANNE MERRYMAN	USA	5:15.64 KALIS RASMUSSEN	CAN	2:37.71 YOSHIKO WATANABE	JPN
1:46.54 SHIZUE TOYAMA	JPN	4:55.04 DIANA SILVA	USA	5:28.79 JUNE REYNOLDS	USA	2:38.88 ANNE WALKER	USA
1:46.92 OLGA JOHNSON	NZL	4:56.76 KALIS RASMUSSEN	CAN	7:02.18 MARY WIXTED	USA	2:42.06 JEANNE TURGEON	CAN
1:50.54 PETEY SMITH	USA	4:58.17 MAURINE KORNFIELD	USA	9:29.32 ELFIE STEVENIN	USA	2:46.87 INGER ANDERSEN	DEN
1:53.01 RUTH BAAR	USA	5:10.37 JAN ALLPORT	AUS	400 M. I.M.		2:55.52 MARY LATHRAM	USA
1:53.02 LOIS NOCHMAN	USA	50 M. BRST		9:31.73 LOIS NOCHMAN	USA	200 M. BACK	
1:54.53 BUNNY CEDERLUND	USA	56.36 SHIZUE TOYAMA	JPN	11:20.23 JAE HOWELL	USA	5:00.12 HIDEKO HANADA	JPN
1:55.94 BILLIE BURRILL	USA	57.11 KIMIE KANAI	JPN	11:29.78 JUNE REYNOLDS	USA	5:36.77 ANNE WALKER	USA
1:57.47 JOYCE FAUNCE	AUS	58.53 MICHELE GUILLAIS	FRA	18:56.32 ELFIE STEVENIN	USA	5:53.20 LILLIAN WARREN	CAN
1:58.26 GRACE ALTUS	USA	58.93 SATOKO SUZUKI	JPN	*****		5:59.15 EDITH GLUSAC	USA
200 M. FREE		1:00.32 ELISA DE LEEUW	CAN	WOMEN 85-89		6:08.90 MARY LATHRAM	USA
3:44.72 ELISA DE LEEUW	CAN	1:01.27 NORA RONAI	BRA	*****		6:11.94 JEANNE TURGEON	CAN
4:01.27 LOIS NOCHMAN	USA	1:01.64 DOROTHY WILLIAMS	GBR	50 M. FREE		6:20.07 GERTRUD ZINT	USA
4:05.59 OLGA JOHNSON	NZL	1:03.40 FANNY LARSEN	DEN	51.03 FUSAKO YAMANAKA	JPN	6:41.39 E BUCK	RSA
4:09.88 PETEY SMITH	USA	1:03.46 DORIS MCEWAN	CAN	54.76 URSULA OEHMKE	GER	6:50.51 KAY SCHIMPF	USA
4:19.26 MARY MCCONNELL	NZL	1:04.15 LIS KNUTZEN	DEN	55.88 NOEL MORROW	CAN	7:53.74 HILDA LINDFIELD	AUS
4:21.37 BILLIE BURRILL	USA	100 M. BRST		56.02 MARJORIE SHARPE	USA	50 M. BRST	
4:22.22 MAURINE KORNFIELD	USA	2:10.09 DOROTHY WILLIAMS	GBR	57.13 TERU USHIKI	JPN	1:08.15 FUSAKO TOMINARI	JPN
4:22.41 CANDIDA GANDOLPHO	BRA	2:10.31 KIMIE KANAI	JPN	57.31 RITA SIMONTON	USA	1:10.83 MICHIKO HAMURO	JPN
4:22.62 VAL LINCOLN	AUS	2:12.69 MICHELE GUILLAIS	FRA	1:00.64 AUDREY ETIENNE	USA	1:16.94 EDITH GLUSAC	USA
4:23.69 BUNNY CEDERLUND	USA	2:18.63 ELISA DE LEEUW	CAN	1:02.02 LILLIAN WARREN	CAN	1:17.70 CHARLOTTE THIEL	GER
400 M. FREE		2:20.12 MURIEL FLYNN	USA	1:03.44 EDITH THEIN	ISR	1:18.69 EDITH THEIN	ISR
7:59.87 ELISA DE LEEUW	CAN	2:20.64 LOIS NOCHMAN	USA	1:04.43 CHARLOTTE THIEL	GER	1:20.30 MARION DEVITT	CAN
8:38.31 OLGA JOHNSON	NZL	2:21.37 DORIS MCEWAN	CAN	100 M. FREE		1:24.59 GERTRUD ZINT	USA
8:38.38 LOIS KIVI NOCHMAN	USA	2:25.15 REGAN KENNER	USA	1:54.85 RITA SIMONTON	USA	1:26.34 JEANNE TURGEON	CAN
8:48.48 PATEY SMITH	USA	2:28.62 MARGERY MEYER	USA	2:04.10 TERU USHIKI	JPN	1:33.43 E BUCK	RSA
8:52.19 BUNNY CEDERLUND	USA	2:29.78 SUMIKO YANAGISAWA	JPN	2:06.95 URSULA OEHMKE	GER	1:34.40 CARRIE HATSWELL	AUS
8:52.23 MAURINE KORNFIELD	USA	200 M. BRST		2:17.60 EDITH THEIN	ISR	100 M. BRST	
		5:09.82 SUMIKO YANAGISAWA	JPN			2:37.57 MICHIKO HAMURO	JPN

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

3:00.72 EDITH GLUSAC	USA	4:47.02 MARGO BATES	AUS	9:06.65 BORIS DUTHOY	FRA	2:26.33 SIMONE BATTISTON	ITA
3:16.74 JEANNE TURGEON	CAN	5:13.35 OSCARINA SANTOS	BRA	9:07.26 DIRK JANSSEN	GER	2:26.34 LUDOVIC DUBOIS	FRA
3:20.47 GERTRUD ZINT	USA	5:30.05 HILDA BUEL	USA	9:12.53 BILL MAY	CAN	2:26.98 HENRI BAVIERE	FRA
3:44.44 EMILY GODSALL	GBR	200 M. BACK		9:12.77 SYLVAIN GOULESQUE	FRA	2:27.43 CLAUDE NEMURAT	FRA
3:45.70 LAURA OLIVEIRA	BRA	7:08.44 MIEKO NAGAOKA	JPN	9:13.07 TOSHIMOTO KATAOKA	JPN	2:28.05 TAKUYA OKAMOTO	JPN
200 M. BRST		8:29.01 BERNARDA ANGULO	ESP	9:15.17 ROBERT SCHMELZER	GER	2:29.53 ANDRES PERALES	ESP
5:33.41 MICHIO HAMURO	JPN	50 M. BRST		9:15.48 FABIO COSTA	BRA	50 M. FLY	
6:34.55 RITA SIMONTON	USA	1:46.02 LUZIA CARACCILO	BRA	1500 M. FREE		24.29 STEFAN HERBST	GER
7:02.74 JEANNE TURGEON	CAN	2:24.11 DOROTHY RIORDAN	USA	16:43.46 FABIO AFFRICANO	ITA	25.44 KEITARU KONNAI	JPN
7:28.81 GERTRUD ZINT	USA	2:30.41 SUSAN HANSON	USA	17:08.55 ANDY NONAKA	USA	25.46 ANDREW MANLEY	GBR
7:56.37 KAY SCHIMPF	USA	2:36.88 HILDA BUEL	USA	17:16.05 BILL MAY	CAN	25.50 TERO RATY	FIN
50 M. FLY		2:40.42 CARMELINA PAULINO	BRA	17:34.29 JAMES LOARING	CAN	25.78 DAVIDE AMBROSI	ITA
1:31.71 EDITH GLUSAC	USA	100 M. BRST		17:35.56 NICO KOCH	GER	25.89 FUMINORI YASAKA	JPN
1:57.16 GERTRUD ZINT	USA	3:33.64 DOROTHY WESTON	GBR	17:41.48 SCOTT AYER	USA	26.00 STUART NOTMAN	GBR
1:57.17 PAT MATTHIESEN	USA	6:29.98 HILDA BUEL	USA	17:43.71 FABIO COSTA	BRA	26.00 RUSSELL PAGE-DOVE	GBR
2:07.97 JEANNE TURGEON	CAN	200 M. BRST		17:44.10 M.MICHAELSEN	GER	26.04 P.VAN VEGCHELEN	NED
3:19.20 GERDA VOSS	CAN	14:53.20 HILDA BUEL	USA	17:44.48 ALEXANDER KRENN	AUT	26.06 S.SCHUNEMANN	GER
100 M. FLY		50 M. FLY		18:00.32 STEVENS REGNIER	FRA	100 M. FLY	
3:30.47 EDITH GLUSAC	USA	1:42.81 MAXINE MERLINO	USA	50 M. BACK		53.93 STEFAN HERBST	GER
7:29.71 GERDA VOSS	CAN	4:00.74 HILDA BUEL	USA	25.05 STEV THELOKE	GER	57.49 DAVIDE AMBROSI	ITA
200 M. FLY		100 M. I.M.		25.22 TERO RATY	FIN	57.73 FUMINORI YASAKA	JPN
16:41.57 GERDA VOSS	CAN	3:06.87 MAXINE MERLINO	USA	26.22 KEITARU KONNAI	JPN	58.00 RUSSELL PAGE-DOVE	GBR
100 M. I.M.		4:43.61 DOROTHY RIORDAN	USA	26.47 KEISUKE NAGATO	JPN	58.03 EDWARD CLAYTON	GBR
2:34.00 MICHIO HAMURO	JPN	5:08.94 BERNARDA ANGULO	ESP	26.60 KENTARO NAKAMURA	JPN	58.14 HIROSHI MURAKAMI	JPN
2:59.31 EDITH GLUSAC	USA	200 M. I.M.		26.70 GREG PLANK	USA	58.20 TIM SPIWOKS	GER
3:10.81 GERTRUD ZINT	USA	11:57.44 HILDA BUEL	USA	26.82 BO WEST	CAN	58.25 FRANK BYSKOV	USA
3:20.56 JEANNE TURGEON	CAN	*****		26.91 TAKUMA YAMAOKA	JPN	58.26 MORTEN NORGAAARD	DEN
5:27.90 GERDA VOSS	CAN	M E N 25-29		26.98 SHINGO SEKIGUCHI	JPN	58.43 YANN HECKEL	FRA
200 M. I.M.		*****		27.26 S.DE BATTISTI	FRA	200 M. FLY	
5:26.90 RITA SIMONTON	USA	50 M. FREE		100 M. BACK		2:08.81 MOHAMED BELHIMER	ALG
6:51.16 EDITH GLUSAC	USA	23.01 ALEXANDER KAHL	GER	55.15 TERO RATY	FIN	2:09.35 BORIS DUTHOY	FRA
7:29.75 JEANNE TURGEON	CAN	23.20 STEV THELOKE	GER	56.94 TAKUMA YAMAOKA	JPN	2:10.27 CHRIS MALPASS	GBR
10:55.85 GERDA VOSS	CAN	23.47 ISSEI NAKANISHI	JPN	57.02 ALEXANDER KAHL	GER	2:10.56 YANN HECKEL	FRA
400 M. I.M.		23.48 BO WEST	CAN	57.05 BO WEST	CAN	2:12.39 DAN ABEL	NZL
21:51.74 GERDA VOSS	CAN	23.52 DAVIDE DIAMBRI	ITA	57.68 KENTARO NAKAMURA	JPN	2:12.49 NICHOLAS JACKSON	GBR
*****		23.59 ROBERT KROLL	GER	57.84 S.DE BATTISTI	FRA	2:13.75 SEIJI SUGIMOTO	JPN
WOMEN 90-94		23.65 SHIN SHOJI	JPN	57.85 GREG PLANK	USA	2:16.50 RAFFAELLO CLAVARI	ITA
*****		23.87 M.MICHAELSEN	GER	58.06 SHINGO SEKIGUCHI	JPN	2:16.86 NICO KOCH	GER
50 M. FREE		23.89 P.VAN VEGCHELEN	NED	58.53 ARNE FRANK	GER	2:16.97 MARCO PELLEGRINI	ITA
1:11.80 DOROTHY WESTON	GBR	23.89 TROY JOHNSON	USA	59.17 SCOTT AYER	USA	100 M. I.M.	
1:12.60 SHIZUE SHIMIZU	JPN	100 M. FREE		200 M. BACK		55.20 STEFAN HERBST	GER
1:14.25 SUMI SHIMOI	JPN	50.17 ANDREW MANLEY	GBR	2:06.13 AURELIEN COQ	FRA	57.33 TERO RATY	FIN
1:22.84 MARGO BATES	AUS	51.41 BO WEST	CAN	2:06.20 ALEXANDER KAHL	GER	57.87 DENNIS OTZEN	DEN
1:32.39 DOROTHY RIORDAN	USA	52.01 MATHIAS SEIGNEUR	FRA	2:06.55 BO WEST	CAN	58.55 AURELIEN COQ	FRA
1:35.93 LUZIA CARACCILO	BRA	52.63 TIM SPIWOKS	GER	2:06.60 S.DE BATTISTI	FRA	59.32 SCOTT AYER	USA
1:56.11 HILDA BUEL	USA	52.68 MICHAEL KIEDEL	USA	2:09.26 MICHAEL HECKER	GER	59.50 BO WEST	CAN
1:56.23 CARMELINA PAULINO	BRA	52.73 PIERRE CHAMBON	FRA	2:09.49 RYOHEI YASUI	JPN	59.66 SUGURO TOYAMA	JPN
1:56.38 AGNES ROMAYKO	USA	52.73 TROY JOHNSON	USA	2:10.26 FABIO AFFRICANO	ITA	59.87 SHINGO SEKIGUCHI	JPN
1:59.88 BERNARDA ANGULO	ESP	52.76 EDWARD CLAYTON	GBR	2:10.34 GREG PLANK	USA	59.94 J.POULIN	CAN
100 M. FREE		52.82 M.MICHAELSEN	GER	2:10.78 SCOTT AYER	USA	1:00.12 YANN NICOLAS	FRA
3:03.47 MARGO BATES	AUS	53.01 BORG MARCUS	SWE	2:11.39 CHRISTIAN COWIE	GBR	200 M. I.M.	
4:15.10 BERNARDA ANGULO	ESP	200 M. FREE		50 M. BRST		2:03.28 AURELIEN COQ	FRA
4:23.06 CARMELINA PAULINO	BRA	1:51.87 AURELIEN COQ	FRA	28.28 NICOLAS CANIVET	FRA	2:05.66 ANDREW MANLEY	GBR
5:12.26 HILDA BUEL	USA	1:53.55 BO WEST	CAN	29.10 MATTHIAS RUMPF	GER	2:06.96 EDUARDO SCHIESARI	BRA
5:59.02 OSCARINA SANTOS	BRA	1:55.26 MATHIAS SEIGNEUR	FRA	29.48 SATORU UMEZAKI	JPN	2:09.83 KEISUKE KUGA	JPN
200 M. FREE		1:55.26 MOHAMED BELHIMER	ALG	29.59 MATTHEW CHAPPEL	GBR	2:11.32 SHINYA HAYASHI	JPN
6:42.90 SUMI SHIMOI	JPN	1:55.75 GORDON REEVES	GBR	29.68 YASUNOBU KUSUDA	JPN	2:11.41 SCOTT AYER	USA
7:06.00 SUSAN HANSON	USA	1:55.98 HIROFUMI NAKAGAWA	JPN	29.94 FABIO SILVA	BRA	2:11.51 YANN NICOLAS	FRA
8:50.39 BERNARDA ANGULO	ESP	1:56.78 MICHAEL KIEDEL	USA	29.95 ENNIO FRANCO	ITA	2:11.64 JOHAN LE BIHAN	FRA
400 M. FREE		1:57.03 HIROSHI MURAKAMI	JPN	30.04 M.MICHAELSEN	GER	2:12.00 CHRISTIAN COWIE	GBR
17:59.61 BERNARDA ANGULO	ESP	1:57.54 MATTHEW CHAPPEL	GBR	30.05 GREGORY MAZERIS	FRA	2:12.26 FRANK BYSKOV	USA
50 M. BACK		1:57.58 MICHAEL MELLEY	USA	30.19 TINO CUSTANCE	SWE	400 M. I.M.	
1:30.84 LUZIA CARACCILO	BRA	400 M. FREE		100 M. BRST		4:39.50 KEISUKE KUGA	JPN
1:33.62 MIEKO NAGAOKA	JPN	3:56.66 AURELIEN COQ	FRA	1:02.51 NICOLAS CANIVET	FRA	4:44.50 MICHAEL MELLEY	USA
1:40.12 SHIZUE SHIMIZU	JPN	4:08.22 MICHAEL KIEDEL	USA	1:03.26 MATTHIAS RUMPF	GER	4:44.69 SUGURO TOYAMA	JPN
1:41.83 DOROTHY WESTON	GBR	4:11.15 S.DE BATTISTI	FRA	1:04.56 STUART NOTMAN	GBR	4:46.00 CHRIS MALPASS	GBR
1:44.56 DOROTHY RIORDAN	USA	4:14.16 YANN HECKEL	FRA	1:04.82 GREGORY MAZERIS	FRA	4:47.32 STEPHEN JOE	USA
1:45.75 SUSAN HANSON	USA	4:14.27 KEISUKE KUGA	JPN	1:05.04 M.MICHAELSEN	GER	4:47.41 SCOTT AYER	USA
2:00.67 CARMELINA PAULINO	BRA	4:14.42 FABIO AFFRICANO	ITA	1:05.57 KUNIHIRO SASAYAMA	JPN	4:48.46 FABIO AFFRICANO	ITA
2:07.52 BERNARDA ANGULO	ESP	4:14.85 MICHAEL MELLEY	USA	1:05.79 TINO CUSTANCE	SWE	4:48.66 DAN ABEL	NZL
2:13.95 OSCARINA SANTOS	BRA	4:15.56 ADAM DAWKINS	USA	1:06.31 MORTEN FRUELUND	DEN	4:51.03 TIM SPIWOKS	GER
2:21.97 MARGO BATES	AUS	4:17.94 FRANK BYSKOV	USA	1:06.34 STEPHEN JOE	USA	4:53.00 B.SZERBAKOWSKI	GER
100 M. BACK		4:18.35 MICHAEL HECKER	GER	1:06.57 HENRI BAVIERE	FRA	*****	
3:23.57 MIEKO NAGAOKA	JPN	800 M. FREE		200 M. BRST		M E N 30-34	
3:41.36 SUSAN HANSON	USA	8:41.96 NILS-OLE JANSHON	SUI	2:18.49 FABIO SILVA	BRA	*****	
4:10.74 CARMELINA PAULINO	BRA	8:41.99 S.DE BATTISTI	FRA	2:20.40 STUART NOTMAN	GBR	50 M. FREE	
4:14.98 BERNARDA ANGULO	ESP	8:59.46 ANDY NONAKA	USA	2:21.26 GREGORY MAZERIS	FRA	23.24 CHRISTOPH BUHLER	SUI
				2:23.21 STEPHEN JOE	USA		

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

23.45 DEAN KONZDZIOLKA	CAN	59.08 CHRIS JONES	GBR	2:12.74 JOHN TOMLIN	GBR	400 M. FREE	
23.51 KLAUS HUEZ	ITA	59.45 C.BATTISTINI	ITA	2:13.32 JUSTIN WELBOURN	CAN	4:08.45 DANIEL SERRA	ESP
23.62 DAMIEN CHAMRON	FRA	59.61 MARK VOGEL	DEN	2:13.89 FREDRIK ISAKSSON	SWE	4:09.02 COLIN OVINGTON	GBR
23.72 AUSTYN SHORTMAN	GBR	59.76 TOSHIKI MIURA	JPN	2:15.59 FUMIO AMANO	JPN	4:09.28 MIKE SHAFFER	USA
23.88 MAKIO ENDO	JPN	59.79 HENDRIK FRITZ	GER	2:16.88 DAVIDE FERRARA	ITA	4:13.69 MARK MAGEE	USA
23.98 ROBERT MACKENZIE	USA	1:00.14 PHILIPPE MEYER	SUI	2:17.17 DARIO CAPPIELLO	ITA	4:14.03 JOCHEN BRUHA	GER
24.18 KENICHI KAWASHO	JPN	1:00.21 R.LOCOCCIOLO	ITA	2:17.42 DONAL HORGAN	ITA	4:15.10 PAUL LEMMON	AUS
24.20 STEFANO SBLANO	ITA	1:00.61 Y.FUNAMOTO	JPN	100 M. I.M.		4:15.23 SANDRO HEREK	BRA
24.32 TIMOTHY BOYD	USA	200 M. BACK		56.36 ATTILA CZENE	SWE	4:17.60 MARCO TENDERINI	ITA
100 M. FREE		2:08.07 CHRIS JONES	GBR	57.68 JEFF COMMINGS	USA	4:18.72 ROSS DAVIS	USA
50.53 KLAUS HUEZ	ITA	2:11.98 EMILIANO ASSANDRI	ITA	59.99 KLAUS HUEZ	ITA	4:19.82 RANDY EICKHOFF	USA
52.66 REDA BOUTAGHON	FRA	2:12.00 C.BATTISTINI	ITA	1:00.36 R.LOCOCCIOLO	ITA	800 M. FREE	
52.80 R.LOCOCCIOLO	ITA	2:12.43 R.LOCOCCIOLO	ITA	1:00.50 DOUG MCKAY	CAN	8:37.82 MIKE SHAFFER	USA
53.01 TIMOTHY BOYD	USA	2:12.92 MARCEL RINZLER	USA	1:00.54 JAY HUDACIN	CAN	8:39.00 COLIN OVINGTON	GBR
53.14 DARIO CAPPIELLO	ITA	2:13.14 CHRYSITIAN GAUVIN	CAN	1:00.55 CHRYSITIAN GAUVIN	CAN	9:02.80 YUJI HAYAKAWA	JPN
53.20 JEROME JARRY	FRA	2:13.91 SCOTT REED	USA	1:00.66 NICK POLKINGHORNE	GBR	9:07.13 FRANCIS MAGNAN	FRA
53.32 HASSE NILSSON	SWE	2:15.56 DAVIDE POMPELE	ITA	1:00.73 BRIAN FEHLAU	USA	9:08.64 WAYNE MCGREGOR	AUS
53.33 ROBERT MACKENZIE	USA	2:16.21 K.SEKIGUCHI	JPN	1:00.82 Y.NAKAHARA	JPN	9:11.30 KURT DICKSON	USA
53.34 PHILIPPE MEYER	SUI	2:16.73 PATRICK BALDELLI	FRA	200 M. I.M.		9:17.67 JOOST KUIJLAARS	NED
53.47 DAVID HOUILLON	FRA	50 M. BRST		2:04.01 ATTILA CZENE	SWE	9:21.44 DANNY FINCH	CAN
200 M. FREE		28.91 JEFF COMMINGS	USA	2:10.26 TOMOHIRO MUSA	JPN	9:23.56 P.ALLEGRI	SUI
1:55.10 KLAUS HUEZ	ITA	29.00 NICK POLKINGHORNE	GBR	2:10.48 KLAUS HUEZ	ITA	9:23.86 DALE MERCKER	USA
1:56.31 C.BATTISTINI	ITA	29.77 NIKOLA SAVCIC	USA	2:10.73 JAY HUDACIN	CAN	1500 M. FREE	
1:56.43 TADAO INEYAMA	JPN	29.89 EITA TSUMURA	JPN	2:13.01 CHRYSITIAN GAUVIN	CAN	16:36.00 COLIN OVINGTON	GBR
1:57.29 BERNIE ZERUHN	USA	29.92 JONATHAN BANVILLE	USA	2:13.20 Y.NAKAHARA	JPN	16:37.67 MIKE SHAFFER	USA
1:58.16 ANDREA MARCATO	ITA	30.25 YASUSHI WATANABE	JPN	2:13.31 R.LOCOCCIOLO	ITA	17:26.28 RAUL JUNIOR	BRA
1:58.34 MARCUS SIMPKINS	GBR	30.35 YASUHIRO KOMORI	JPN	2:13.49 MARCUS SIMPKINS	GBR	17:37.26 JOOST KUIJLAARS	NED
1:58.58 FLORENT VILLETTE	FRA	30.44 FABIEN GIANNONE	FRA	2:13.68 SHIGEO SHIRAISHI	JPN	17:45.64 JORDI VAN ENGELEN	BEL
1:58.66 ANDREA BORSARI	ITA	30.54 DENNIS RICHTER	GER	2:13.77 C.BATTISTINI	ITA	17:47.42 DALE MERCKER	USA
1:58.71 R.LOCOCCIOLO	ITA	30.56 NIGEL MASTERS	GBR	400 M. I.M.		17:50.06 VOLKER MARTINS	GER
1:58.98 DARIO CAPPIELLO	ITA	100 M. BRST		4:44.49 Y.NAKAHARA	JPN	17:51.80 DANNY FINCH	CAN
400 M. FREE		1:02.85 NICK POLKINGHORNE	GBR	4:53.41 ERIK SCOLLON	USA	17:54.06 STEFAN KAMLAKE	GER
4:00.26 SEBASTIAN WIESE	GER	1:05.23 EITA TSUMURA	JPN	4:53.57 LUDOVIC HOUOT	FRA	18:10.41 RICK VAN DYKE	USA
4:07.40 ANDREA MARCATO	ITA	1:05.59 MORTEN HANSEN	DEN	4:55.43 DONAL HORGAN	ITA	50 M. BACK	
4:13.76 FUMIO AMANO	JPN	1:05.90 JONATHAN BANVILLE	USA	4:58.51 DANIELE BUZZETTI	ITA	25.86 MICHAEL ROSS	USA
4:14.02 SHIGEO SHIRAISHI	JPN	1:06.02 NIGEL MASTERS	GBR	4:58.56 R.LOCOCCIOLO	ITA	27.14 DEREK ROBINSON	USA
4:15.53 SCOTT REED	USA	1:06.17 FABIEN GIANNONE	FRA	5:01.41 JOHN TOMLIN	GBR	27.38 MARCO ORSINI	ITA
4:15.70 PETR VESELY	CZE	1:06.42 YASUSHI WATANABE	JPN	5:02.69 PETR VESELY	CZE	27.89 TAKURO KOJIMA	JPN
4:15.91 IGNACIO DIEZ	ESP	1:06.88 TAKASHI HIRAKAWA	JPN	5:05.16 JEFFREY HALBERT	USA	28.07 SHUJI AZUMA	JPN
4:16.44 MATTEO AMMANNATI	ITA	1:06.90 TETSUO IWAKI	JPN	5:06.01 JEAN-LUC BERNIER	CAN	28.08 SERGE DINANE	FRA
4:17.85 R.LOCOCCIOLO	ITA	1:07.72 KENICHIRO TSUKUI	JPN			28.17 BRUNO ESPOSITO	ITA
4:18.73 HIROYUKI NAKAMURA	JPN	200 M. BRST		*****		28.30 H.MAETOUGE	JPN
800 M. FREE		2:22.03 JONATHAN BANVILLE	USA	M E N 35-39		28.38 SHINTARO NAGASAKI	JPN
8:19.13 SEBASTIAN WIESE	GER	2:25.00 NIGEL MASTERS	GBR	*****		28.42 DEREK MURCHIE	CAN
8:39.61 FUMIO AMANO	JPN	2:28.14 NARIHITO WAKUI	JPN	50 M. FREE		100 M. BACK	
8:39.76 GLAUCO RANGEL	BRA	2:29.88 HIROTAKA EDA	JPN	23.04 M.GIALDI	ITA	55.95 MICHAEL ROSS	USA
8:42.70 ANDREA MARCATO	ITA	2:30.26 KENICHIRO TSUKUI	JPN	23.44 MICHAEL ROSS	USA	58.88 MARCO ORSINI	ITA
8:54.80 ROBERTO VENIER	ITA	2:31.89 JARED WALKENHORST	USA	23.90 JARMIL PRONEK	CZE	59.19 NICOLAS GRANGER	FRA
8:58.24 CHRYSITIAN GAUVIN	CAN	2:32.22 TAKANORI KURIMOTO	JPN	23.90 ANDREA CORSO	ITA	59.62 H.MAETOUGE	JPN
8:59.42 MATTEO AMMANNATI	ITA	2:33.66 DANIELE PIATTO	ITA	24.06 CRISTIANO BALDINI	ITA	1:00.43 DEREK ROBINSON	USA
9:00.42 DAIZO FUKUDA	JPN	2:34.13 TAKEYUKI KASAGI	JPN	24.21 IAIN TEAZ	GBR	1:01.25 SHUJI AZUMA	JPN
9:03.58 FLORENT VILLETTE	FRA	2:34.46 CHRIS ROY	USA	24.21 JOCHEN BRUHA	GER	1:01.42 JOCHEN BRUHA	GER
9:12.21 JEFFREY HALBERT	USA	50 M. FLY		24.27 HARTMUT BERNER	GER	1:01.49 BARRY SARETSKY	CAN
1500 M. FREE		25.38 MAKIO ENDO	JPN	24.34 JEAN MARC DUBOIS	FRA	1:01.66 GIUSEPPE TIANO	ITA
16:11.71 ANDREA MARCATO	ITA	25.48 MASATERU IKEDA	JPN	24.41 NORIYUKI WAKAHOI	JPN	1:01.67 ANDREA TOJA	ITA
16:39.54 FUMIO AMANO	JPN	25.56 ANTONIO OSSORIO	ESP	100 M. FREE		200 M. BACK	
17:35.42 BENJAMIN MARTIN	GBR	25.74 CHRISTOPH BUHLER	SUI	51.31 MICHAEL ROSS	USA	2:13.92 KURT DICKSON	USA
17:39.00 MATTEO AMMANNATI	ITA	25.78 HIDEYUKI CHIGIRA	JPN	51.43 JOCHEN BRUHA	GER	2:14.82 A.LAVEGLIA	ITA
17:51.62 FRANK BRAUN	AUS	25.87 TOMOHIRO NAKANO	JPN	52.10 M.GIALDI	ITA	2:15.42 GIUSEPPE TIANO	ITA
17:51.70 TODD MENZEL	USA	25.93 KLAUS HUEZ	ITA	52.85 HASSE NILSSON	SWE	2:15.82 RICK HAMILTON	USA
18:00.80 R.LOCOCCIOLO	ITA	26.14 FERNANDO SAEZ	BRA	53.07 ROSS DAVIS	USA	2:16.47 MIKE SHAFFER	USA
18:02.34 GUNTER STROTTER	GER	26.21 BERNIE ZERUHN	USA	53.15 JEAN MARC DUBOIS	FRA	2:16.58 MAURO TORRI	ITA
18:20.74 ERIK SCOLLON	USA	26.28 DARIO CAPPIELLO	ITA	53.16 DANIEL SERRA	ESP	2:16.89 WOJTECH BLECHAR	GER
18:24.02 LUIS PORTELLA	ESP	100 M. FLY		53.65 KAZUHIKO YAMAKAWA	JPN	2:17.81 SHUJI AZUMA	JPN
50 M. BACK		56.53 PHILIPPE MEYER	SUI	54.05 IAIN TEAZ	GBR	2:19.61 SILVIO TEIXEIRA	BRA
27.12 TOSHIKI MIURA	JPN	56.78 HIROYUKI NAKAMURA	JPN	54.14 SANDRO HEREK	BRA	2:19.72 C.VINCENT	FRA
27.26 Y.NAKAHARA	JPN	57.13 KLAUS HUEZ	ITA	54.14 HARTMUT BERNER	GER	50 M. BRST	
27.34 HENDRIK FRITZ	GER	57.39 DARIO CAPPIELLO	ITA	200 M. FREE		29.37 NICK GILLINGHAM	GBR
27.40 CHRYSITIAN GAUVIN	CAN	57.93 P.POMINVILLE	CAN	1:51.47 JOCHEN BRUHA	GER	29.89 HAJIME MORIMOTO	JPN
27.71 Y.FUNAMOTO	JPN	57.96 HIDEYUKI CHIGIRA	JPN	1:51.54 MICHAEL ROSS	USA	30.05 ANDREA AGOSTINONE	ITA
27.99 PHILIPPE MEYER	SUI	58.23 DAVID HOUILLON	FRA	1:57.17 DANIEL SERRA	ESP	30.10 ALBERTO MONTINI	ITA
28.05 PETER MOORE	USA	58.92 DOUG MCKAY	CAN	1:57.85 ROSS DAVIS	USA	30.49 CICERO TORTELLI	BRA
28.14 TAKASHI SASAKI	JPN	58.97 ANDREA MARCATO	ITA	1:58.06 SANDRO HEREK	BRA	30.49 MITSUGU HIRANO	JPN
28.35 MATTHEW O'CONNOR	ESP	59.07 HASSE NILSSON	SWE	1:58.72 MARK MAGEE	USA	30.52 TSUYOSHI KATO	JPN
28.46 DOUG MCKAY	CAN	200 M. FLY		1:58.82 MIKE SHAFFER	USA	30.62 LUCA NATALE	ITA
100 M. BACK		2:09.50 HIROYUKI NAKAMURA	JPN	1:58.96 JEFF PRIOR	USA	30.87 SILIO FABBRI	ITA
58.18 Y.NAKAHARA	JPN	2:11.29 P.POMINVILLE	CAN	1:59.01 M.GIALDI	ITA	30.91 EMMANUEL FOUCART	FRA
58.69 CHRYSITIAN GAUVIN	CAN	2:11.37 GIUSEPPE BANDINU	ITA	2:00.05 ANDREA CORSO	ITA	100 M. BRST	

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

1:02.62 NICK GILLINGHAM GBR	4:45.98 ALBERTO MONTINI ITA	17:38.98 JUAN C VALLEJO ESP	27.20 DAVID HOLMES USA
1:04.38 HAJIME MORIMOTO JPN	4:46.03 ROSS DAVIS USA	17:45.19 ALAIN BELLAGUET FRA	27.22 PAOLO FELOTTI ITA
1:05.07 ALBERTO MONTINI ITA	4:47.79 MARK MAGEE USA	18:00.92 ANDREW GRISTWOOD GBR	100 M. FLY
1:07.88 ANDREA AGOSTINONE ITA	4:47.94 WOJTECH BLECHAR GER	50 M. BACK	56.82 TAIHEI SAKA JPN
1:08.38 SILIO FABBRINI ITA	4:51.05 MIKE SHAFFER USA	28.09 CRAIG NORREY SUI	58.05 ROBERTO CLAUSI JR BRA
1:08.41 FABIO CAVALLI ITA	4:53.65 MARCO TENDERINI ITA	28.34 STEVE WOOD USA	58.70 MARCEL EKKELBOOM GER
1:08.63 NEWTON KAMINSKI BRA	4:54.10 DANNY FINCH CAN	28.47 PETER MCKINNON CAN	59.77 HENRY STEWART USA
1:08.85 SHUJI AZUMA JPN	4:55.16 DARRYL FELLOWS NZL	28.69 JANNE VIRTANEN FIN	59.77 STEVE STOTHERS CAN
1:09.40 ABRAHAM SOLANO USA	4:58.07 JEFF PRIOR USA	28.86 MARKUS FOLLMANN GER	1:00.03 ROSTISLAV SLECHTA CZE
1:09.48 ATSUSHI KANEKO JPN	4:59.44 HARUNORI UCHIBORI JPN	28.95 PAOLO FELOTTI ITA	1:00.49 BRIAN CASEY USA
1:09.48 MICHAEL HEIMSOTH GER		28.96 YASUSHI MAKINO JPN	1:00.57 J. ANDRE MELLADO FRA
200 M. BRST	*****	29.07 ANDERS RASMUSSEN USA	1:00.58 TORBJORN WOLFFRAM SWE
2:16.49 NICK GILLINGHAM GBR	M E N 40-44	29.13 ROBIN SCHUIJT ESP	1:01.38 ALAIN BELLAGUET FRA
2:21.01 ALBERTO MONTINI ITA	*****	29.16 LEN GUSHE CAN	200 M. FLY
2:31.69 ABRAHAM SOLANO USA	50 M. FREE	100 M. BACK	2:12.65 A. TIBERTI ITA
2:32.43 MARCEL SCHOLTEN GBR	23.90 JANNE VIRTANEN FIN	1:00.91 PETER MCKINNON CAN	2:14.34 MARCUS VIEIRA BRA
2:33.06 MICHAEL HEIMSOTH GER	24.06 JOAKIM SJOHOLM SWE	1:01.96 STEVE WOOD USA	2:14.42 DAMIANO NANETTI ITA
2:34.02 SVEN GRUNERT GER	24.19 ROBERTO TARRICONE ITA	1:02.06 LEN GUSHE CAN	2:16.70 STEVE STOTHERS CAN
2:34.16 JEAN PASCAL FAGOT FRA	24.34 MARK NOETZEL USA	1:02.17 ROBIN SCHUIJT ESP	2:17.77 ROBERTO CLAUSI JR BRA
2:35.22 HARALD BUCK GER	24.49 ROBERTO CLAUSI JR BRA	1:02.48 N. LECHEVALIER FRA	2:17.80 DETLEV MAAS GER
2:35.62 GUY LACONTAL FRA	24.56 TAIHEI SAKA JPN	1:02.49 PAOLO FELOTTI ITA	2:20.03 BRIAN CASEY USA
2:36.12 TREVOR COOK NZL	24.59 DAVID BOATWRIGHT USA	1:03.08 CRAIG NORREY SUI	2:21.29 ALAIN BELLAGUET FRA
50 M. FLY	24.62 FRANCESC COLL ESP	1:03.13 EDWIN VAN NORDEN NED	2:22.42 PAOLO CARMINATI ITA
25.29 MICHAEL ROSS USA	24.62 FABIO MARCHESI ITA	1:03.46 DAVE TOWN CAN	2:24.13 F. PECCARISI ITA
25.55 KAZUHIKO YAMAKAWA JPN	24.71 G. FRANCESCHI ITA	1:03.77 MARTIN FENNER GBR	100 M. I.M.
25.66 HARTMUT BERNER GER	100 M. FREE	200 M. BACK	59.99 ROBERTO TARRICONE ITA
25.75 STEVE HILTABIDDLE USA	52.07 KAI DITZEL GER	2:10.51 EDWIN VAN NORDEN NED	1:00.43 JOAKIM SJOHOLM SWE
25.88 BARRY SARETSKY CAN	52.39 JOAKIM SJOHOLM SWE	2:11.44 LEN GUSHE CAN	1:00.96 EDWIN VAN NORDEN NED
26.14 NICK GILLINGHAM GBR	53.58 DAVID BOATWRIGHT USA	2:14.36 DAVE TOWN CAN	1:01.14 ROBERTO CLAUSI JR BRA
26.16 JOCHEN BRUHA GER	53.90 MARK NOETZEL USA	2:14.67 N. LECHEVALIER FRA	1:01.81 BRIAN JOHNSON CAN
26.22 AMON EMEKA USA	53.95 MARK REYNOLDS GBR	2:17.03 ROBIN SCHUIJT ESP	1:02.07 ANDERS RASMUSSEN USA
26.28 GABRIELE MAINI ITA	54.06 MARCEL EKKELBOOM GER	2:18.45 MARTIN FENNER GBR	1:02.41 MARCEL EKKELBOOM GER
26.51 ANDREA TOJA ITA	54.25 STEVE WOOD USA	2:20.08 GLENN BATTLE USA	1:02.47 DAVE TOWN CAN
100 M. FLY	54.30 ZOHAR WEISS ISR	2:20.22 MARCO COLOMBO ITA	1:02.75 PAOLO FELOTTI ITA
56.32 MICHAEL ROSS USA	54.32 JEROME LAUDOUAR FRA	2:21.73 STEVE WOOD USA	1:02.89 CHRIS WEISSMAN USA
56.86 JOCHEN BRUHA GER	54.34 PETER MCKINNON CAN	2:21.84 PAOLO CARMINATI ITA	200 M. I.M.
57.29 ANDREA TOJA ITA	200 M. FREE	50 M. BRST	2:15.01 ANDERS RASMUSSEN USA
57.53 HARTMUT BERNER GER	1:53.03 KAI DITZEL GER	30.14 MARCO BOBBIO ITA	2:15.78 PAOLO CARMINATI ITA
57.76 ROSS DAVIS USA	1:57.76 BRADLEY HOWE USA	30.15 ROBERTO TARRICONE ITA	2:16.25 ROBERTO CLAUSI JR BRA
58.32 ANDREA CORSO ITA	1:58.85 MICHAEL PRUFERT GER	30.47 PER NORLIN SWE	2:16.75 LEN GUSHE CAN
58.40 JEFF PRIOR USA	1:59.75 GRAHAM WELBOURN CAN	30.65 JORG NEUMULLER GER	2:16.83 J. ANDRE MELLADO FRA
58.47 AMON EMEKA USA	1:59.77 ZOHAR WEISS ISR	31.01 CHRIS WEISSMAN USA	2:17.53 BRIAN JOHNSON CAN
58.75 MIKE SHAFFER USA	1:59.87 ALAIN BELLAGUET FRA	31.19 MASAOKI OTSUKI JPN	2:19.51 TOSHIYUKI SAKA JPN
58.79 ALBERTO MONTINI ITA	2:00.47 MICHAEL KLEIBER GER	31.39 TADASHI FUJIMOTO JPN	2:20.00 ROLAND LEE GBR
200 M. FLY	2:00.80 LUDEK BURIAN CZE	31.39 JENS LUTSCHIN GER	2:20.57 TSUYOSHI KOBARA JPN
2:08.91 MIKE SHAFFER USA	2:01.02 B. BORDONALI ITA	31.46 DEAN PUTTERMAN USA	2:20.68 KLAUS SPRANZ GER
2:10.30 A. LAVEGLIA ITA	2:01.10 ROLAND LEE GBR	31.54 M. WILLIAMSON CAN	400 M. I.M.
2:12.17 MARK MAGEE USA	2:01.10 JEROME LAUDOUAR FRA	100 M. BRST	4:48.09 LEN GUSHE CAN
2:13.93 ROSS DAVIS USA	400 M. FREE	1:06.76 CHRIS WEISSMAN USA	4:50.21 DAVE TOWN CAN
2:15.07 JEFF PRIOR USA	4:00.67 KAI DITZEL GER	1:07.81 MARCO BOBBIO ITA	4:50.62 A. TIBERTI ITA
2:16.61 BARRY SARETSKY CAN	4:12.14 MICHAEL KLEIBER GER	1:08.42 PER NORLIN SWE	4:56.74 J. ANDRE MELLADO FRA
2:18.06 MARCELO CRUZ BRA	4:12.32 MICHAEL PRUFERT GER	1:09.10 BRIAN CASEY USA	4:57.34 BRIAN CASEY USA
2:18.22 DANNY FINCH CAN	4:13.84 GEOFF GLASER USA	1:09.27 BRIAN HASEGAWA CAN	4:57.60 PAOLO CARMINATI ITA
2:18.63 MARCO TENDERINI ITA	4:14.50 GRAHAM WELBOURN CAN	1:09.31 J. ANDRE MELLADO FRA	4:58.31 ANDERS RASMUSSEN USA
2:18.80 FABRIZIO BORRELLI ITA	4:15.32 B. BORDONALI ITA	1:09.75 M. WILLIAMSON CAN	4:58.58 MARTIN FENNER GBR
100 M. I.M.	4:18.21 ZOHAR WEISS ISR	1:09.94 STEVEN CRYER GBR	4:59.34 B. BORDONALI ITA
59.24 NICOLAS GRANGER FRA	4:18.59 GERRY RODRIGUES USA	1:10.03 PHILIPPE MOREAU FRA	5:00.06 TOSHIYUKI SAKA JPN
59.43 HASSE NILSSON SWE	4:18.80 PAOLO CARMINATI ITA	1:10.07 PREBEN WARGA SUI	
1:00.26 ALBERTO MONTINI ITA	4:21.63 LEN GUSHE CAN	200 M. BRST	*****
1:00.33 KAZUHIKO YAMAKAWA JPN	800 M. FREE	2:30.09 J. ANDRE MELLADO FRA	M E N 45-49
1:00.35 AMON EMEKA USA	8:31.70 KAI DITZEL GER	2:33.27 STEVEN CRYER GBR	*****
1:00.43 HAJIME MORIMOTO JPN	8:38.31 MICHAEL PRUFERT GER	2:33.41 BRIAN CASEY USA	50 M. FREE
1:01.01 BARRY SARETSKY CAN	8:39.29 MICHAEL KLEIBER GER	2:33.88 THOMAS LIGL GER	24.44 PAUL SMITH USA
1:01.17 MARCO ORSINI ITA	8:46.71 DENNIS BAKER USA	2:34.25 PAOLO CARMINATI ITA	24.63 BRENT BARNES JPN
1:01.19 NICK GILLINGHAM GBR	8:50.30 B. BORDONALI ITA	2:34.42 KAZUNORI UEMURA JPN	25.31 BRUNO SOULAS FRA
1:01.31 HARTMUT BERNER GER	8:57.22 GRAHAM WELBOURN CAN	2:34.83 PHILIPPE MOREAU FRA	25.54 KIRK KOZLOWSKI USA
200 M. I.M.	8:58.38 GEOFF GLASER USA	2:34.91 YASUO NARUSHIMA JPN	25.57 FRITZ LEHMAN USA
2:07.31 NICOLAS GRANGER FRA	8:59.70 PAOLO CARMINATI ITA	2:35.54 M. WILLIAMSON CAN	25.66 KENTH STENBACK SWE
2:12.31 HAJIME MORIMOTO JPN	9:02.43 LEN GUSHE CAN	2:35.70 DAVID CARTLEDGE GBR	25.69 ALBERT BOONSTRA NED
2:13.57 HASSE NILSSON SWE	9:10.03 MICHAEL SCHMIDT USA	50 M. FLY	25.69 BILL SHERMAN USA
2:14.02 JEFF PRIOR USA	1500 M. FREE	25.43 ROBERTO TARRICONE ITA	25.71 BOB BUGG USA
2:14.86 BARRY SARETSKY CAN	16:59.58 KAI DITZEL GER	25.88 TAIHEI SAKA JPN	25.73 M. GUARDUCCI ITA
2:15.72 MARK MAGEE USA	17:00.78 GEORGE TIDMARSH USA	26.16 JOAKIM SJOHOLM SWE	100 M. FREE
2:16.87 DANNY FINCH CAN	17:24.75 LEN GUSHE CAN	26.47 MARK NOETZEL USA	54.50 PAUL SMITH USA
2:16.88 ALBERTO MONTINI ITA	17:25.00 B. BORDONALI ITA	26.63 ROBERTO CLAUSI JR BRA	54.94 BOB BUGG USA
2:17.00 COLIN OVINGTON GBR	17:29.86 TIM HEDRICK USA	26.72 JANNE VIRTANEN FIN	55.85 LARRY FORSYTH AUS
2:17.24 CHRISTIAN GEBNER GER	17:32.87 BOBBY PATTEN USA	27.15 DAVID EMERSON GBR	56.22 GREGORY OXLEY USA
400 M. I.M.	17:34.20 LYLE NALLI USA	27.17 HENRY STEWART USA	56.42 MICHAL BARES CZE

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

56.44 BRUNO SOULAS	FRA	2:26.49 JOHN RITTENHOUSE	GBR	1:04.65 MARIO LLORET	ESP	9:32.43 LARRY KRAUSER	USA
56.61 KEITH BERRYHILL	USA	2:26.78 BERNARD PROUX	FRA	1:04.77 PAUL MORRIS	GBR	9:39.10 G. SCARAMEL	ITA
56.76 ALEXEI ZVEREV	GER	2:26.80 VINCENT MORALES	USA	1:04.80 RONNY OLTNER	SWE	9:46.96 SCOTT LAUTMAN	USA
56.85 MAGNUS FALTMAN	SWE	2:27.60 STEPHANE HUGOT	FRA	1:04.87 SIMON VEALE	GBR	9:47.00 J. CLAUDE CHATARD	FRA
57.20 SERGE GUERIN	FRA	50 M. BRST		200 M. I.M.		9:50.09 JOHN NEEDHAM	USA
200 M. FREE		30.26 GLEN CHRISTIANSEN	SWE	2:16.56 PAUL SMITH	USA	9:52.79 RICHARD PHILLIPS	USA
1:57.99 PAUL SMITH	USA	30.48 FALTMAN MAGNUS	SWE	2:19.26 SIMON VEALE	GBR	9:54.02 JAMES RYAN	USA
2:01.47 BOB BUGG	USA	31.33 OLIVIER BORIOS	FRA	2:23.19 RONNY OLTNER	SWE	1500 M. FREE	
2:02.92 ERIC EMINENTE	FRA	32.06 RONNY OLTNER	SWE	2:23.30 MARK DRENNEN	USA	17:45.97 JIM MCCONICA	USA
2:03.21 SIMON VEALE	GBR	32.08 GREGORY OXLEY	USA	2:25.60 RICK ABBOTT	USA	17:58.01 LARRY WOOD	USA
2:03.59 HARALD TEEGE	GER	32.24 ALAN THOMSON	GBR	2:26.05 PAT ALLENDER	USA	18:04.37 STEVEN PRESCOTT	NZL
2:05.44 A BLADES	RSA	32.39 A.O'DRISCOLL	GBR	2:26.15 MATTHEW KANZLER	USA	18:06.28 JIM CLEMMONS	USA
2:05.46 WILLIAM HEMPEL	GBR	32.42 DOUG VANDERBY	CAN	2:26.32 DJAN MADRUGA	BRA	18:36.57 EDDIE RIACH	GBR
2:06.40 RICK ABBOTT	USA	32.53 CRAIG SHEFFER	USA	2:26.69 VOLKER MENDE	GER	18:37.09 JOHN NEEDHAM	USA
2:06.61 KEITH BERRYHILL	USA	32.57 ALBERT BOONSTRA	NED	2:26.95 UWE KUSSATZ	GER	18:40.93 RICHARD PHILLIPS	USA
2:06.69 SERGE GUERIN	FRA	32.57 YUJIRO YOSHIDA	JPN	400 M. I.M.		18:53.85 BILL PENN	USA
400 M. FREE		100 M. BRST		4:48.97 LINCOLN DJANG	USA	18:54.04 LEE MENCH	USA
4:18.03 JIMMY FURRER	SUI	1:06.48 GLEN CHRISTIANSEN	SWE	4:54.89 SIMON VEALE	GBR	19:04.73 BOB DITOLLA	USA
4:20.92 MARK DRENNEN	USA	1:09.20 GREGORY OXLEY	USA	4:56.40 PAUL CARTER	USA	50 M. BACK	
4:22.17 WILLIAM SPECHT	USA	1:09.23 MAGNUS FALTMAN	SWE	5:00.62 MARK DRENNEN	USA	28.96 V.GALAVTINE	FRA
4:22.91 BOB BUGG	USA	1:09.40 A.O'DRISCOLL	GBR	5:02.51 WILLIAM SPECHT	USA	29.20 MIKE MCINTYRE	CAN
4:23.28 ERIC EMINENTE	FRA	1:09.73 RONNY OLTNER	SWE	5:08.23 VOLKER MENDE	GER	29.23 JOHN VAN BUUREN	CAN
4:23.90 SIMON VEALE	GBR	1:10.83 BARRY O'BRIEN	GBR	5:09.34 MATTHEW KANZLER	USA	29.30 TOM WOLF	USA
4:27.73 STEFANO SEGUITI	ITA	1:11.13 OLIVIER BORIOS	FRA	5:16.25 ROBERT GOLDBLOOM	USA	30.28 JACK ALTDORFFER	USA
4:28.82 KEITH BERRYHILL	USA	1:11.65 TODD DIMSDALE	USA	5:17.53 A BLADES	RSA	30.68 DONALD GRAHAM	USA
4:28.84 WILLIAM HEMPEL	GBR	1:11.77 DOUG VANDERBY	CAN	5:18.36 SALVATORE NANIA	ITA	30.74 CHRISTOPHER BROWN	GBR
4:32.88 A BLADES	RSA	1:11.90 HAJIME SHIMURA	JPN	*****		31.12 SHUNJI NAGAHAMA	JPN
800 M. FREE		200 M. BRST		M E N 50-54		31.18 TAKEO HIRAMOTO	JPN
9:01.57 JIMMY FURRER	SUI	2:33.67 A.O'DRISCOLL	GBR	*****		31.32 JOHN MARCH	CAN
9:02.47 MARK DRENNEN	USA	2:35.47 GREGORY OXLEY	USA	50 M. FREE		100 M. BACK	
9:08.20 SIMON VEALE	GBR	2:35.69 BARRY O'BRIEN	GBR	25.23 PAUL TREVISAN	USA	1:01.48 TOM WOLF	USA
9:17.85 ERIC EMINENTE	FRA	2:36.67 DOUG VANDERBY	CAN	25.42 MIKE MCINTYRE	CAN	1:02.39 V.GALAVTINE	FRA
9:25.68 WILLIAM SPECHT	USA	2:36.99 HAJIME SHIMURA	JPN	25.75 ERIC VAN BOER	USA	1:04.74 JOHN VAN BUUREN	CAN
9:33.26 GLENN CARLSEN	CAN	2:37.91 BENN DOYLE	USA	25.79 JOHN VAN BUUREN	CAN	1:05.14 MIKE MCINTYRE	CAN
9:35.00 WILLIAM HEMPEL	GBR	2:38.89 MARK DRENNEN	USA	25.81 LARRY KRAUSER	USA	1:06.31 PHILIPP DJANG	USA
9:35.91 TIM BUCKLEY	USA	2:39.87 PAT ALLENDER	USA	25.90 GREG SHAW	USA	1:06.32 JACK ALTDORFFER	USA
9:36.86 MATT KANZLER	USA	2:41.00 DAN FILGIANO	CAN	26.00 HIROYUKI AMAZAKI	JPN	1:06.76 EDDIE RIACH	GBR
9:42.18 TONY MORRIS	IRE	2:41.81 MATTHEW KANZLER	USA	26.04 THOMAS WHATLEY	USA	1:06.98 CHRISTOPHER BROWN	GBR
1500 M. FREE		50 M. FLY		26.08 FREDERICK EHMKE	USA	1:07.79 DONALD GRAHAM	USA
16:56.31 MARK DRENNEN	USA	26.29 PAUL SMITH	USA	26.44 DONALD GRAHAM	USA	1:08.05 T SHEAD	RSA
17:00.23 JIMMY FURRER	SUI	26.72 PAUL CARTER	USA	26.44 DONALD GRAHAM	USA	200 M. BACK	
17:27.04 FRANCIS CHRISTIAN	AUS	26.84 MARIO LLORET	ESP	100 M. FREE		2:14.03 TOM WOLF	USA
17:32.60 STEFANO SEGUITI	ITA	27.00 PAUL MORRIS	GBR	55.88 PAUL TREVISAN	USA	2:21.69 PHILIPP DJANG	USA
18:01.19 MATTHEW KANZLER	USA	27.00 ROBERT GOLDBLOOM	USA	56.55 LARRY KRAUSER	USA	2:22.12 MIKE MCINTYRE	CAN
18:26.06 GLENN CARLSEN	CAN	27.05 WILLIAM SPECHT	USA	56.66 JOHN VAN BUUREN	CAN	2:22.59 V.GALAVTINE	FRA
18:30.34 JIM STITES	USA	27.75 BOB BUGG	USA	56.89 GREG SHAW	USA	2:24.54 EDDIE RIACH	GBR
18:40.06 LIONEL PAILLEZ	FRA	27.76 ISAMU SHIBAZAKI	JPN	57.37 DAVE DICKSON	CAN	2:26.75 THOMAS BLISS	USA
18:40.29 SHIGEO ARAI	JPN	27.83 GLEN CHRISTIANSEN	SWE	57.49 LEE MENCH	USA	2:27.05 JOHN MARCH	CAN
18:40.81 JOHN MORALES	USA	27.85 CHRIS DIXON	USA	57.64 ERIC VAN BOER	USA	2:27.70 JIM MCCONICA	USA
50 M. BACK		100 M. FLY		57.83 NEVILLE BARTON	GBR	2:29.86 ETTORE BOSCHETTI	ITA
28.83 FRITZ LEHMAN	USA	58.10 WILLIAM SPECHT	USA	57.97 HIROYUKI AMAZAKI	JPN	2:32.23 DONALD GRAHAM	USA
28.94 WILLIAM SPECHT	USA	59.63 PAUL MORRIS	GBR	58.24 MIKE MCINTYRE	CAN	50 M. BRST	
29.76 MARIO LLORET	ESP	1:01.56 CAMERON GREEN	USA	200 M. FREE		33.24 NEVILLE BARTON	GBR
29.77 THIERRY CHANOINE	FRA	1:01.74 SIMON VEALE	GBR	2:05.49 GREG SHAW	USA	33.55 ROB WEYHENKE	NED
29.91 ALBERT BOONSTRA	NED	1:02.00 PAUL SMITH	USA	2:07.22 LARRY KRAUSER	USA	33.55 CHRIS NICOL	CAN
30.03 G.STEFANO BERTOLI	ITA	1:02.48 ALEXEI ZVEREV	GER	2:07.94 LEE MENCH	USA	33.63 HARTMUT HUMMEL	GER
30.30 WIESLAW MUSIAL	CAN	1:02.68 KLAUS DAHLINGER	GER	2:08.17 V.GALAVTINE	FRA	33.67 KENJI TANAKA	JPN
30.52 STEVE BURCHAM	GBR	1:02.72 GLEN CHRISTIANSEN	SWE	2:09.15 DAVE DICKSON	CAN	33.93 KEN HOLMES	USA
30.52 ROBERT GOLDBLOOM	USA	1:03.47 MICHAL BARES	CZE	2:09.16 JIM MCCONICA	USA	34.05 DAVID ELLWANGER	USA
30.56 GRAHAM POWELL	GBR	1:03.58 HUGO BREGMAN	NED	2:09.46 G.SCARAMEL	ITA	34.08 JOHN PEARSON	GBR
100 M. BACK		200 M. FLY		2:09.73 CELSO JUGEND	BRA	34.09 C. STARZEC	FRA
1:03.31 WIESLAW MUSIAL	CAN	2:11.23 WILLIAM SPECHT	USA	2:09.94 LARRY WOOD	USA	34.23 T SHEAD	RSA
1:03.52 G.STEFANO BERTOLI	ITA	2:16.09 HUGO BREGMAN	NED	2:10.43 JIM CLEMMONS	USA	100 M. BRST	
1:04.13 WILLIAM SPECHT	USA	2:17.30 PAUL MORRIS	GBR	400 M. FREE		1:13.93 NEVILLE BARTON	GBR
1:04.80 MARIO LLORET	ESP	2:23.79 MATTHEW KANZLER	USA	4:22.90 JIM MCCONICA	USA	1:14.16 C.STARZEC	FRA
1:04.83 BOB BUGG	USA	2:25.14 FRANCIS CHRISTIAN	AUS	4:29.76 LARRY KRAUSER	USA	1:14.42 JOHN PEARSON	GBR
1:04.86 RICK ABBOTT	USA	2:25.27 VOLKER MENDE	GER	4:33.14 JIM CLEMMONS	USA	1:14.42 TOM REUDY	USA
1:05.40 PAUL SMITH	USA	2:26.10 DONALD WALKER	USA	4:36.26 LEE MENCH	USA	1:14.70 LORENZO MARUGO	ITA
1:06.08 STEVE BURCHAM	GBR	2:26.14 PETER KAUCH	GER	4:36.61 EDDIE RIACH	GBR	1:15.69 FRANCO ARALDI	ITA
1:06.40 K.FUKIDOME	JPN	2:28.66 DAN ROBINSON	USA	4:37.74 G.SCARAMEL	ITA	1:16.34 ROBERT BROWN	USA
1:06.87 IGOR KRAKOV	ISR	2:29.13 JOHN MORALES	USA	4:38.57 LARRY WOOD	USA	1:16.44 T SHEAD	RSA
200 M. BACK		100 M. I.M.		4:39.24 STEVEN PRESCOTT	NZL	1:16.54 DAVID ELLWANGER	USA
2:15.69 DJAN MADRUGA	BRA	1:03.09 ROBERT GOLDBLOOM	USA	4:40.71 RICHARD PHILLIPS	USA	1:16.64 TAKEO HIRAMOTO	JPN
2:16.39 WILLIAM SPECHT	USA	1:03.58 FRITZ LEHMAN	USA	4:41.02 J.CLAUDE CHATARD	FRA	200 M. BRST	
2:17.22 WIESLAW MUSIAL	CAN	1:03.62 GLEN CHRISTIANSEN	SWE	800 M. FREE		2:33.71 LORENZO MARUGO	ITA
2:20.52 BOB BUGG	USA	1:03.81 MAGNUS FALTMAN	SWE	9:11.91 JIM MCCONICA	USA	2:44.28 JOHN PEARSON	GBR
2:21.96 G.STEFANO BERTOLI	ITA	1:04.31 PAUL CARTER	USA	9:27.71 JIM CLEMMONS	USA	2:44.76 FRANCO ARALDI	ITA
2:26.07 RICK ABBOTT	USA	1:04.54 MICHAL BARES	CZE	9:30.09 EDDIE RIACH	GBR	2:45.49 JIM CLEMMONS	USA

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

2:46.15 C.STARZEC FRA	25.87 TOM GEIMAN USA	1:10.86 STEVE HECK USA	2:48.75 BRUCE SUTHERLAND CAN
2:48.43 ROBERT BROWN USA	26.59 T DOWNES RSA	1:11.41 T DOWNES RSA	2:51.23 PATRICK CARTON FRA
2:49.30 W.FICKENSCHER GER	26.62 HOMER LANE USA	1:11.83 J.CLAUDE LESTIDEA FRA	2:52.30 J KEYTER RSA
2:49.90 HIDEHIKO HASEGAWA JPN	27.00 THOMAS PEEK USA	1:12.28 R TOD SPIEKER USA	2:53.41 FRED BAIRD USA
2:49.94 DAVID KING AUS	27.01 STEVE HECK USA	1:13.77 JAMES KING USA	2:54.83 TSUTOMU TANAKA JPN
2:50.17 K.NOTTRODT GER	27.03 GLENN WOODSUM USA	1:13.84 IVAN MYALL GBR	2:55.72 PAULO MOTTA BRA
50 M. FLY	27.10 JOHN LIRON GBR	1:15.06 DICK THOMAS USA	2:56.74 GERRY TUCKER AUS
27.23 GREG SHAW USA	27.16 JOSE FERRAZ BRA	1:15.80 STEPHEN LAMY AUS	100 M. I.M.
27.30 JOHN VAN BUUREN CAN	27.23 JON SHASTID USA	200 M. BACK	1:08.60 STEVE HECK USA
27.49 FREDERICK EHMKE USA	100 M. FREE	2:27.86 TOD SPIEKER USA	1:09.13 TOM GEIMAN USA
27.63 ROBERT HANSEN USA	58.25 TOM GEIMAN USA	2:29.64 HUGH WILDER USA	1:09.18 JOHN DERR USA
27.78 DONALD GRAHAM USA	59.00 HOMER LANE USA	2:33.86 IVAN MYALL GBR	1:10.51 DANIEL ROGACKI USA
28.06 IAN WALLWORK GBR	59.13 T DOWNES RSA	2:37.53 T DOWNES RSA	1:10.66 ROBERT STRAND USA
28.16 ERNST DENZER GER	59.27 GRAHAM CROFT AUS	2:40.74 STEVE HECK USA	1:10.80 HOMER LANE USA
28.46 JOHN MCCALL USA	1:00.27 GLENN WOODSUM USA	2:41.46 PETER O'BRIEN CAN	1:11.32 WALDYR RAMOS BRA
28.54 JOHN CRAIG USA	1:00.35 STEVE HECK USA	2:42.83 JOSE LORO BRA	1:11.63 T DOWNES RSA
28.68 RUBEN ROCHA BRA	1:00.49 RICH ABRAHAMS USA	2:43.86 DANIEL ROGACKI USA	1:12.01 BRUCE MOHL USA
100 M. FLY	1:01.12 H.HARBRECHT GER	2:46.42 BOB KOLONKOWSKI USA	1:12.01 BRUCE SUTHERLAND CAN
1:00.59 GREG SHAW USA	1:01.40 FRANK HESBACHER GER	2:47.68 D.UIJTENBOGAART NED	200 M. I.M.
1:00.90 JOHN VAN BUUREN CAN	1:01.62 GLENN GRUBER USA	50 M. BRST	2:32.42 STEVE HECK USA
1:01.40 ROBERT HANSEN USA	200 M. FREE	33.60 ROBERT STRAND USA	2:35.12 R TOD SPIEKER USA
1:02.46 V.GALAVTINE FRA	2:12.55 R TOD SPIEKER USA	33.97 ALLEN STARK USA	2:39.18 DANIEL ROGACKI USA
1:02.46 JOHN MCCALL USA	2:12.88 HOMER LANE USA	34.03 JOHN LIRON GBR	2:39.65 GLENN GRUBER USA
1:02.70 SCOTT LAUTMAN USA	2:15.06 T DOWNES RSA	34.72 JOHN DERR USA	2:40.07 DUNCAN MCCREADIE GBR
1:02.79 DONALD GRAHAM USA	2:16.28 STEVE HECK USA	35.00 DIETER HOFEL GER	2:40.38 TED LEVICH USA
1:03.04 ERNST DENZER GER	2:17.90 GLENN GRUBER USA	35.05 SATOSHI HAYASHI JPN	2:40.96 BRUCE MOHL USA
1:04.29 DAVE DICKSON CAN	2:18.33 IVAN MYALL GBR	35.33 YOSHITADA MAEDA JPN	2:41.98 WALDYR RAMOS BRA
1:04.97 KEVIN MCCORMACK USA	2:18.33 FRANK HESBACHER GER	35.48 LEO TANAKA USA	2:42.68 D.UIJTENBOGAART NED
200 M. FLY	2:18.56 GRAHAM CROFT AUS	35.51 JACQUES SICOT FRA	2:43.09 GLENN STOREY USA
2:18.02 SCOTT LAUTMAN USA	2:19.97 BRUCE MOHL USA	35.72 CELIO AMARAL BRA	400 M. I.M.
2:18.88 JOHN CRAIG USA	2:20.00 GLENN WOODSUM USA	100 M. BRST	5:32.08 STEVE HECK USA
2:28.67 TAKEO HIRAMOTO JPN	400 M. FREE	1:13.94 ROBERT STRAND USA	5:39.01 R TOD SPIEKER USA
2:29.49 THOMAS BLISS USA	4:40.29 R TOD SPIEKER USA	1:15.69 ALLEN STARK USA	5:45.98 J.CLAUDE LESTIDEA FRA
2:29.78 STEVEN PRESCOTT NZL	4:49.71 D.UIJTENBOGAART NED	1:15.80 JOHN DERR USA	5:46.21 TED LEVICH USA
2:30.35 DAVE DICKSON CAN	4:51.50 T DOWNES RSA	1:17.50 SATOSHI HAYASHI JPN	5:48.10 D.UIJTENBOGAART NED
2:31.91 BOB DITOLLA USA	4:55.43 GLENN GRUBER USA	1:17.99 STEVE HECK USA	5:50.13 DOUG MILLER USA
2:35.60 HUNTER YOST USA	4:56.48 ANDY WILSON GBR	1:19.11 DANIEL ROGACKI USA	5:58.03 PATRICK DEVINE AUS
2:36.23 JIM CLEMMONS USA	4:56.48 STEVE HECK USA	1:20.12 SEIKO OKAZAKI JPN	5:58.30 GUNTER PACKENIUS GER
2:38.33 DONALD GRAHAM USA	4:58.32 IVAN MYALL GBR	1:20.13 MANFRED ZEHR GER	5:58.86 ANDY WILSON GBR
100 M. I.M.	5:00.31 JEAN CLAUDE FAURE FRA	1:20.38 ALBERTO SICA ITA	6:00.38 KURT FREI SUI
1:03.57 TOM WOLF USA	5:00.52 JAY PLATT USA	1:21.04 TOSHIO HAYASHI JPN	
1:04.35 JOHN VAN BUUREN CAN	5:01.66 TIM MORSE USA	200 M. BRST	*****
1:04.64 ROB WEYHENKE NED	800 M. FREE	2:43.40 ROBERT STRAND USA	M E N 60-64
1:05.05 DONALD GRAHAM USA	9:48.40 R TOD SPIEKER USA	2:47.88 ALLEN STARK USA	*****
1:05.19 TOM REUDY USA	10:22.17 JEAN CLAUDE FAURE FRA	2:48.28 JOHN DERR USA	50 M. FREE
1:06.15 T SHEAD RSA	10:25.48 TIM MORSE USA	2:49.63 STEVE HECK USA	27.53 VINUS VAN BAALEN CAN
1:06.25 ROD CARMICHAEL CAN	10:26.89 ANDY WILSON GBR	2:54.17 DANIEL ROGACKI USA	27.78 DAVID QUIGGIN USA
1:06.61 JURGEN KONNEKER GER	10:29.30 GLENN GRUBER USA	2:54.50 SHINJI OMIGAWA JPN	27.78 RUDOLF SMERDA CZE
1:07.65 TAKEO HIRAMOTO JPN	10:40.39 BIERING-SORENSEN DEN	2:55.29 D.UIJTENBOGAART NED	27.84 TONY CHERRINGTON GBR
1:08.05 TREVOR CLARK GBR	10:44.68 WILLIAM CERNY USA	2:57.27 SEIKO OKAZAKI JPN	27.86 JIM DRAGON USA
200 M. I.M.	10:50.00 JAY PLATT USA	2:57.61 ALBERTO SICA ITA	27.94 ROBERT SMITH USA
2:19.27 TOM WOLF USA	10:51.82 DANIEL ROGACKI USA	2:58.57 MANFRED ZEHR GER	28.16 GEORGES KOESSLER FRA
2:25.24 THOMAS BLISS USA	10:52.26 MICHAEL MCCOLLY USA	50 M. FLY	28.75 ALAIN CARDONA FRA
2:27.09 JOHN VAN BUUREN CAN	1500 M. FREE	28.31 TOM GEIMAN USA	28.79 PETER ANDERSEN USA
2:27.98 TOM EICHE USA	18:16.00 R TOD SPIEKER USA	28.61 RICH ABRAHAMS USA	28.80 FRANTISEK POKORNY CZE
2:28.16 JIM CLEMMONS USA	19:56.94 ANDY WILSON GBR	28.94 SHIGEO ASANO JPN	100 M. FREE
2:28.44 LORENZO MARUGO ITA	20:18.45 WILLIAM CERNY USA	29.68 JOHN DERR USA	59.90 DAVID QUIGGIN USA
2:29.13 CELSO JUGEND BRA	20:48.21 RICHARD SMITH USA	29.69 JON SHASTID USA	1:01.97 KUNIHIRO IWASAKI JPN
2:29.60 DONALD GRAHAM USA	20:50.64 LEONARD PHOENIX GBR	29.78 STEVE HECK USA	1:02.71 TONY CHERRINGTON GBR
2:30.34 JIM MCCONICA USA	20:51.81 FRED BAIRD USA	29.85 KIERAN KELLEHER ITA	1:02.84 RICHARD BURNS USA
2:30.53 EDDIE RIACH GBR	20:58.75 MARKKU MAKKONEN FIN	30.00 FRED BAIRD USA	1:02.89 RUDOLF SMERDA CZE
400 M. I.M.	21:05.68 TONY CATTERALL GBR	30.08 J.CLAUDE LESTIDEA FRA	1:02.94 VINUS VAN BAALEN USA
4:57.52 LORENZO MARUGO ITA	21:06.85 JOHN GAIR USA	30.19 HUGH WILDER USA	1:03.15 SUETAKA SAWADA JPN
5:10.40 JIM CLEMMONS USA	21:07.21 HOP BAILEY USA	100 M. FLY	1:03.84 KOJI IWAMOTO JPN
5:16.42 THOMAS BLISS USA	50 M. BACK	1:03.72 SHIGEO ASANO JPN	1:04.09 INGVAR ERIKSSON SWE
5:19.80 JIM MCCONICA USA	30.63 HUGH WILDER USA	1:04.15 RICH ABRAHAMS USA	1:04.13 VITTORIO ERMIRIO ITA
5:23.91 DAVE DICKSON CAN	31.57 J.CLAUDE LESTIDEA FRA	1:06.63 TOM GEIMAN USA	200 M. FREE
5:26.83 T SHEAD RSA	32.36 STEVE HECK USA	1:07.00 JOSEF CLARET ESP	2:18.84 RICHARD BURNS USA
5:28.08 JOHN MCCALL USA	32.48 PETER O'BRIEN CAN	1:07.78 J.CLAUDE LESTIDEA FRA	2:19.51 KUNIHIRO IWASAKI JPN
5:29.34 BOB DITOLLA USA	32.54 DICK THOMAS USA	1:08.56 HORST LEHMANN GER	2:20.04 DON DAVIS USA
5:29.96 G.SCARAMEL ITA	32.69 JOSE LORO BRA	1:08.73 ERIC HENDERSON GBR	2:21.04 TONY CHERRINGTON GBR
5:32.97 DONALD GRAHAM USA	33.41 T DOWNES RSA	1:08.90 FRED BAIRD USA	2:22.01 SUETAKA SAWADA JPN
	34.16 JOHN MATHIESON GBR	1:08.91 JON SHASTID USA	2:22.21 VITTORIO ERMIRIO ITA
	34.21 GIUSEPPE MONTALDO ITA	1:10.10 TED LEVICH USA	2:22.36 RUDOLF SMERDA CZE
	34.23 JOSEPH JACKSON GBR	200 M. FLY	2:24.43 JOACHIM HINTZE GER
	100 M. BACK	2:43.59 JEAN CLAUDE FAURE FRA	2:25.64 LARRY RAFFAELLI USA
50 M. FREE	1:07.08 HUGH WILDER USA	2:48.16 D.UIJTENBOGAART NED	2:25.75 KOJI IWAMOTO JPN
25.47 RICH ABRAHAMS USA	1:10.46 PETER O'BRIEN CAN	2:48.65 BOB KOLONKOWSKI USA	400 M. FREE

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

5:01.57 VITTORIO ERMIRIO	ITA	1:18.93 PETER ANDERSEN	USA	6:06.80 ROB HANOU	NED	50 M. BACK	
5:02.99 SUETAKA SAWADA	JPN	1:19.03 GERSHON SHEFA	ISR	6:10.96 HELMUT BEER	GER	35.11 PETER BERGENGREN	SWE
5:03.84 DAVID QUIGGIN	USA	1:19.56 OSAMU MAEDA	JPN	6:20.56 DAVID QUIGGIN	USA	36.17 DAVID MCINTYRE	USA
5:03.91 JOACHIM HINTZE	GER	1:20.49 DAVID GILDEA	USA	6:21.49 BRYAN FINLAY	CAN	36.18 KOICHI SATO	JPN
5:05.10 RUDOLF SMERDA	CZE	1:20.71 SYLVIO RIBEIRO	BRA	6:25.03 KARL ODKOLEK	GER	36.44 ERIC FORSLUND	SWE
5:05.50 LARRY RAFFAELLI	USA	1:20.85 KIM BERNARD	USA	6:26.31 ALBERTO MURILLO	ESP	36.49 HELMUT RICHTER	GER
5:07.11 DON DAVIS	USA	1:21.12 ROB HANOU	NED	6:26.82 BOB BOURASSA	USA	36.73 JEFF FARRELL	USA
5:08.16 SANDY GALLETTY	GBR	1:21.12 ALBERT KOSTITSIN	FIN	6:35.47 HANNU VAAHTORANTA	FIN	37.19 HIROMASA MASUTANI	JPN
5:10.62 LUCIANO CAMELLI	ITA	1:21.61 RAINER OPITZ	GER	*****		37.22 TOM VERTH	CAN
5:12.97 JACK GEOGHEGAN	USA	200 M. BRST		*****		37.29 PETER BAUCH	GER
800 M. FREE		2:53.45 KENNETH FROST	USA	M E N 65-69		37.34 PETER WEDLER	GER
10:21.45 SANDY GALLETTY	GBR	2:58.36 PETER ANDERSEN	USA	*****		100 M. BACK	
10:23.16 JOACHIM HINTZE	GER	2:59.42 ROB HANOU	NED	50 M. FREE		1:14.04 BARRY YOUNG	NZL
10:31.00 LARRY RAFFAELLI	USA	3:00.20 RAINER OPITZ	GER	27.90 JEFF FARRELL	USA	1:19.88 ALAN JACKSON	GBR
10:38.35 DON DAVIS	USA	3:00.60 MIKE FRESHLEY	USA	27.99 PETER BERGENGREN	SWE	1:20.20 KLAUS SCHAFER	GER
10:46.11 DAVID QUIGGIN	USA	3:00.85 ERIK HAITES	CAN	28.04 KATSUKI ISHIHARA	JPN	1:21.45 PETER WEDLER	GER
11:05.48 TOM LANDIS	USA	3:00.93 KOJI IWAMOTO	JPN	28.94 HELMUT RICHTER	GER	1:22.22 E.NODENSCHNEIDER	FRA
11:07.04 DAVID CHERRIMAN	GBR	3:04.59 HELMUT BEER	GER	29.14 STANLEY CLARKE	GBR	1:22.57 TOM VERTH	CAN
11:13.13 BILL DAWSON	USA	3:05.21 BRYAN FINLAY	CAN	29.53 MASATO YOSHINO	JPN	1:22.87 HELMUT RICHTER	GER
11:14.80 GUIDO BAUDI	ITA	3:06.36 MASARU SHINKAI	JPN	29.54 JOHN TENNANT	GBR	1:24.04 PETER BERGENGREN	SWE
11:15.17 RON BURNS	CAN	50 M. FLY		29.84 LUC AUZANNEAU	FRA	1:24.85 PETER BAUCH	GER
1500 M. FREE		29.13 JOSEP CLARET	ESP	29.85 DAVID MCINTYRE	USA	1:25.00 ERIC FORSLUND	SWE
19:31.50 SANDY GALLETTY	GBR	29.87 JIM DRAGON	USA	30.00 T.WATANABE	JPN	200 M. BACK	
19:35.62 VITTORIO ERMIRIO	ITA	29.88 DAVID QUIGGIN	USA	100 M. FREE		2:52.12 ALAN JACKSON	GBR
20:11.11 LARRY RAFFAELLI	USA	30.50 KOJI IWAMOTO	JPN	1:02.05 JEFF FARRELL	USA	2:57.08 E.NODENSCHNEIDER	FRA
20:34.15 VICTOR PAUL	AUS	30.62 KOSUKE SATO	JPN	1:03.57 PETER BERGENGREN	SWE	3:04.09 PETER WEDLER	GER
21:20.01 TOM LANDIS	USA	30.70 RUDOLF SMERDA	CZE	1:04.76 MASATO YOSHINO	JPN	3:09.09 ISAO NAKAMOTO	JPN
21:20.84 ROB HANOU	NED	30.80 SCOTT GUTHRIE	USA	1:06.40 KAZUYA NISHINO	JPN	3:09.12 THOMAS WALKER	GBR
21:21.39 BILL DAWSON	USA	30.82 MIKE FRESHLEY	USA	1:06.79 JERRY CLARK	USA	3:09.44 NIC GEERS	NED
21:38.00 GUIDO BAUDI	ITA	30.86 ROBERT SMITH	USA	1:07.01 JOHN TENNANT	GBR	3:11.02 GUNTER BEILSTEIN	GER
21:43.42 PETER ATKINSON	GBR	30.90 FRANTISEK POKORNY	CZE	1:07.30 RAYMOND STOKES	GBR	3:11.60 HELMUT RICHTER	GER
21:47.51 RON BURNS	CAN	100 M. FLY		1:08.26 YOSHIAKI AOKI	JPN	3:12.44 SHUMPEI AKUTAGAWA	JPN
50 M. BACK		1:07.00 JOSEP CLARET	ESP	1:08.46 HELMUT RICHTER	GER	3:15.14 BRENT LAKE	USA
31.31 ROBERT SMITH	USA	1:07.23 ROBERT POILETMAN	USA	1:08.55 NIC GEERS	NED	50 M. BRST	
32.88 VINUS VAN BAALEN	CAN	1:08.64 KOJI IWAMOTO	JPN	200 M. FREE		37.35 STANLEY CLARKE	GBR
32.91 RICHARD BURNS	USA	1:10.72 DEREK PARR	GBR	2:25.08 JEFF FARRELL	USA	37.50 MASATERU ISA	JPN
33.07 RICHARD ALEXANDER	USA	1:11.44 RICHARD BURNS	USA	2:27.77 RAYMOND STOKES	GBR	37.92 TONY GOODWIN	AUS
33.14 LUIZ FIGUEIREDO	BRA	1:12.26 TOMOYASU IIDA	JPN	2:27.98 KAZUYA NISHINO	JPN	37.95 LOTHAR SCHUH	GER
33.16 LUCIEN GAUCHE	FRA	1:13.13 BERND SCHRODER	GER	2:28.00 MASATO YOSHINO	JPN	38.09 GUNTER SCHMAH	GER
34.43 TONY CHERRINGTON	GBR	1:13.43 INGVAR ERIKSSON	SWE	2:30.86 HELMUT RICHTER	GER	38.18 RINALDO FERREIRA	BRA
34.43 JACK GEOGHEGAN	USA	1:14.01 CHITOSHI KONISHI	JPN	2:31.21 NIC GEERS	NED	38.30 HIROSHI KOTEGAWA	JPN
34.48 DAVID QUIGGIN	USA	1:14.62 RUDOLF SMERDA	CZE	2:33.05 RAFAEL PEREZ	ESP	38.33 KLAUS FELLNER	SUI
34.71 KOJI IWAMOTO	JPN	200 M. FLY		2:33.48 YASUSHI YAMAGUCHI	JPN	38.40 YOSHIAKI AOKI	JPN
100 M. BACK		2:37.01 ROBERT POILETMAN	USA	2:33.80 G FREELING	RSA	38.46 BILL MOORE	GBR
1:09.20 ROBERT SMITH	USA	2:41.86 KOJI IWAMOTO	JPN	2:35.39 N.MIYAMOTO	JPN	100 M. BRST	
1:12.99 RICHARD BURNS	USA	2:42.80 DEREK PARR	GBR	400 M. FREE		1:22.10 HANS REICHEL	GER
1:13.98 LUCIEN GAUCHE	FRA	2:47.61 RICHARD KITCHELL	USA	5:09.96 RAYMOND STOKES	GBR	1:24.00 TETSUO NAKAMARU	JPN
1:15.96 GERSHON SHEFA	ISR	2:52.17 YASUTAKA KOIKE	JPN	5:16.00 RAFAEL PEREZ	ESP	1:24.03 TONY GOODWIN	AUS
1:17.14 YOSHIKATSU SAWADA	JPN	2:57.45 VIC PAUL	AUS	5:23.60 NIC GEERS	NED	1:24.19 YOSHIAKI AOKI	JPN
1:17.25 BERND HORSTMANN	GER	3:01.51 ROB HANOU	NED	5:28.41 HELMUT RICHTER	GER	1:25.36 GUNTER SCHMAH	GER
1:17.60 FRANS VAN ENST	NED	3:02.00 MIKE FRESHLEY	USA	5:30.59 G FREELING	RSA	1:25.53 MICHAEL MOLONEY	AUS
1:17.62 TONY CHERRINGTON	GBR	3:03.00 DICK PITMAN	USA	5:30.98 JERRY CLARK	USA	1:26.67 RICHARD GOTZ	GER
1:17.79 LUIZ FIGUEIREDO	BRA	3:06.63 HENRI VIDIL	FRA	5:32.65 YASUSHI YAMAGUCHI	JPN	1:26.68 H.TAKEMASA	JPN
1:18.57 DAVID LANGLEY	GBR	100 M. I.M.		5:34.69 ERNIE LESKOVITZ	USA	1:27.24 W.BURKOWSKY	GER
200 M. BACK		1:11.68 KOJI IWAMOTO	JPN	5:39.77 ISAO NAKAMOTO	JPN	1:27.24 JURGEN LOWAG	GER
2:43.78 RICHARD BURNS	USA	1:11.69 GERSHON SHEFA	ISR	5:40.77 N.MIYAMOTO	JPN	200 M. BRST	
2:47.46 LUCIEN GAUCHE	FRA	1:12.36 ROBERT SMITH	USA	800 M. FREE		3:00.27 MICHAEL MOLONEY	AUS
2:51.12 BERND HORSTMANN	GER	1:13.24 RICHARD BURNS	USA	10:50.08 RAYMOND STOKES	GBR	3:02.15 HANS REICHEL	GER
2:51.23 LUIZ FIGUEIREDO	BRA	1:13.96 MIKE FRESHLEY	USA	11:35.85 ERNIE LESKOVITZ	USA	3:02.27 YOSHIAKI AOKI	JPN
2:52.03 BRUCE ALLENDER	AUS	1:14.13 BERND SCHRODER	GER	11:36.70 YASUSHI YAMAGUCHI	JPN	3:09.56 TONY GOODWIN	AUS
2:52.99 MASAO KIJIMA	JPN	1:14.78 PETER ANDERSEN	USA	11:37.54 ISAO NAKAMOTO	JPN	3:09.76 P.WERMELSKIRCHEN	GER
2:53.39 DAVID LANGLEY	GBR	1:15.01 HIROSHI NONAKA	JPN	11:41.07 NIC GEERS	NED	3:09.86 PETER BELL	CAN
2:53.62 BILL RUPERT	USA	1:15.19 E.KIRJAVAINEN	FIN	11:50.37 HANS LINDSTROM	SWE	3:10.82 THOMAS WALKER	GBR
2:53.72 KARL DONOGHUE	CAN	1:15.30 RUDOLF SMERDA	CZE	11:58.98 KLAUS FELLNER	SUI	3:11.49 CHRISTIAN THIESS	AUS
2:55.82 LARRY RAFFAELLI	USA	200 M. I.M.		12:08.00 T.KUNITOMI	JPN	3:13.20 GUNTER SCHMAH	GER
50 M. BRST		2:41.87 MIKE FRESHLEY	USA	12:25.20 HERMAN HAGG	GER	3:13.98 KARL WIEDAMANN	USA
34.20 PETER ANDERSEN	USA	2:46.88 KUNIHIO IWASAKI	JPN	12:27.10 OTTO CHRISTENSEN	DEN	50 M. FLY	
34.89 OSAMU MAEDA	JPN	2:47.26 VITTORIO ERMIRIO	ITA	1500 M. FREE		32.38 HELMUT RICHTER	GER
34.91 SCOTT GUTHRIE	USA	2:47.93 RICHARD BURNS	USA	21:29.45 JOHN CRISP	AUS	32.57 JOHN TENNANT	GBR
35.67 KENNETH FROST	USA	2:49.14 VIC PAUL	AUS	21:57.38 ISAO NAKAMOTO	JPN	32.66 PETER BERGENGREN	SWE
35.71 SYLVIO RIBEIRO	BRA	2:49.71 ROB HANOU	NED	21:58.77 YASUSHI YAMAGUCHI	JPN	32.90 HIROSHI MATSUMOTO	JPN
36.05 E.KIRJAVAINEN	FIN	2:49.82 DAVID CHERRIMAN	GBR	22:13.01 MICK MARSHALL	GBR	32.97 JOSEPH LAMMERT	USA
36.07 KIM BERNARD	USA	2:50.89 TADASHI IWAMOTO	JPN	22:21.54 NIC GEERS	NED	33.09 TAIJUKE MIYAZAKI	JPN
36.58 GERSHON SHEFA	ISR	2:52.09 HIROSHI NONAKA	JPN	22:55.08 JOHN PUGH	AUS	33.20 STANLEY CLARKE	GBR
36.83 ANTONIO ORSELLI	BRA	2:53.78 CANALES DE MENDOZ	ESP	23:33.11 H.NUBBAUMER	GER	33.67 JEFF FARRELL	USA
37.07 IAN INGRAM	AUS	400 M. I.M.		23:34.80 KARL-LUDWIG REHN	GER	33.80 BOB BAULIE	USA
100 M. BRST		5:46.89 GIAMPIERO FOSSATI	ITA	23:46.91 T.KUNITOMI	JPN	33.87 LUC AUZANNEAU	FRA
1:18.46 KENNETH FROST	USA	5:57.22 MIKE FRESHLEY	USA	23:50.03 BRENT LAKE	USA	100 M. FLY	

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

1:14.44 BARRY YOUNG	NZL	1:12.85 SADA O MUROBAYASHI	JPN	3:22.69 STAN MCCONNELL	USA	200 M. I.M.	
1:16.65 TAISUKE MIYAZAKI	JPN	1:13.46 LARRY GOOD	USA	50 M. BRST		3:00.27 BURWELL JONES	USA
1:17.99 DAVID CUMMING	GBR	200 M. FREE		37.71 MANUEL SANGUILY	USA	3:08.78 LARRY GOOD	USA
1:19.19 HIYOSHI MAKIMOTO	JPN	2:30.27 BURWELL JONES	USA	38.58 AKIO SUGIYAMA	JPN	3:09.86 WALLY DOBLER	USA
1:20.21 WOLFGANG SIEBER	GER	2:30.60 DAVID RADCLIFF	USA	40.19 KOJIRO TAKEGAKI	JPN	3:12.49 HORST KESTENER	BRA
1:20.58 LUC AUZANNEAU	FRA	2:37.06 DREN GEER	USA	40.25 TSUTOMU KAJIHARA	JPN	3:13.24 MASAYASU KAMIYA	JPN
1:21.25 P.WERMELSKIRCHEN	GER	2:40.26 GRAHAM JOHNSTON	USA	40.40 VITEZSLAV SVOZIL	CZE	3:16.24 GRAHAM JOHNSTON	USA
1:21.45 HERMAN HAGG	GER	2:45.38 ALDO EMINENTE	FRA	40.77 LENNART BROCK	SWE	3:16.57 BOB BEST	USA
1:21.88 GENICHI IGARASHI	JPN	2:46.53 WILHELM RAUCH	USA	40.81 JOJI OSHIMA	JPN	3:19.58 YOSHINAO KAMEI	JPN
1:22.63 MASARU IGARASHI	JPN	2:47.10 ROY DREW	AUS	40.90 SHOJI AOYAMA	JPN	3:23.58 ROGER BURREL	GBR
200 M. FLY		2:47.59 MASAYASU KAMIYA	JPN	41.01 SHUNSAKU TAKAHIRA	JPN	3:24.24 WILLIAM LAUER	USA
2:57.23 TAISUKE MIYAZAKI	JPN	2:47.62 JOSEPH PHILLIPS	GBR	41.31 BURWELL JONES	USA	400 M. I.M.	
2:59.62 DAVID CUMMING	GBR	2:47.70 KIYOJI AMANO	JPN	100 M. BRST		6:31.79 BURWELL JONES	USA
3:13.94 HERMAN HAGG	GER	400 M. FREE		1:27.25 BOB PATTEN	USA	6:46.14 LARRY GOOD	USA
3:20.04 CLAUDIO NEGRI	ITA	5:24.41 BURWELL JONES	USA	1:28.22 TSUTOMU KAJIHARA	JPN	6:56.70 BOB BEST	USA
3:20.72 TADAHIKO SAKATANI	JPN	5:25.28 DAVID RADCLIFF	USA	1:28.61 MANUEL SANGUILY	USA	6:59.90 GRAHAM JOHNSTON	USA
3:24.04 MICHIO TANI	JPN	5:37.98 GRAHAM JOHNSTON	USA	1:29.46 SHUNSAKU TAKAHIRA	JPN	7:14.73 WILLIAM LAUER	USA
3:30.46 NEIL TASKER	GBR	5:48.78 DREN GEER	USA	1:31.25 VITEZSLAV SVOZIL	CZE	7:17.76 DREN GEER	USA
3:33.04 GARY STUTSEL	AUS	5:57.06 JOHN STARR	GBR	1:31.94 WERNER MULLER	GER	7:20.02 PAUL ALVAREZ	GBR
3:35.35 MASAMI SHIGETA	JPN	6:00.69 WILHELM RAUCH	USA	1:32.67 AKIO SUGIYAMA	JPN	7:26.35 HERWIG HERBERT	AUT
3:35.56 H.MULLER	GER	6:01.95 LARRY GOOD	USA	1:33.47 HERWIG HERBERT	AUT	7:29.26 HEINZ KRAUSS	GER
100 M. I.M.		6:03.31 ALAN RAPPERPORT	USA	1:33.54 DON BIDWELL	NZL	7:29.88 MASAYASU KAMIYA	JPN
1:15.18 JEFF FARRELL	USA	6:06.17 GEORGE MILNE	CAN	1:34.18 ERICH NEUMANN	GER		
1:18.42 JACK KELSO	CAN	6:06.37 KIYOJI AMANO	JPN	200 M. BRST		*****	
1:18.50 HELMUT RICHTER	GER	800 M. FREE		3:14.83 BOB PATTEN	USA	M E N 75-79	
1:18.89 PETER BERGEGREN	SWE	11:11.81 DAVID RADCLIFF	USA	3:21.91 SHUNSAKU TAKAHIRA	JPN	*****	
1:18.94 HANS REICHEL	GER	11:53.72 GRAHAM JOHNSTON	USA	3:22.31 TSUTOMU KAJIHARA	JPN	50 M. FREE	
1:19.57 STANLEY CLARKE	GBR	12:22.46 LARRY GOOD	USA	3:24.94 HERWIG HERBERT	AUT	32.62 ARAM BOGHOSSIAN	BRA
1:19.97 ALAN JACKSON	GBR	12:23.68 WILHELM RAUCH	USA	3:26.62 WERNER MULLER	GER	32.94 FRANK PIEMME	USA
1:21.07 RONALD NAKATA	USA	12:25.08 JOHN STARR	GBR	3:26.78 LARRY GOOD	USA	33.47 ALLEN MILES	GBR
1:21.92 WOLFGANG SIEBER	GER	12:35.61 ALDO EMINENTE	FRA	3:27.33 ERIVALDO LIMA	BRA	34.11 HAL BEGEL	USA
1:22.06 MOTOHISA HIROSE	JPN	12:36.65 JOSEF KREJCI	SUI	3:29.11 VITEZSLAV SVOZIL	CZE	34.34 DICK WEBBER	USA
200 M. I.M.		12:50.72 ALAN RAPPERPORT	USA	3:29.42 ERICH NEUMANN	GER	34.52 TOSHIMI INATOMI	JPN
2:49.24 JEFF FARRELL	USA	12:59.24 MASAYASU KAMIYA	JPN	3:30.93 NILSON LEO	BRA	34.70 HIROSHI YAMAZAKI	JPN
3:00.35 ALAN JACKSON	GBR	13:16.75 ROBERT MAYO	USA	50 M. FLY		34.71 SHOICHI SHIDA	JPN
3:05.25 RONALD NAKATA	USA	1500 M. FREE		34.54 WOLFRAM GOTTFRIED	GER	34.81 TAMON YOSHIDA	JPN
3:06.64 GENICHI IGARASHI	JPN	21:25.90 DAVID RADCLIFF	USA	34.96 JOHN JACEY	GBR	34.82 DAVID LAWLER	AUS
3:06.95 ISAO NAKAMOTO	JPN	22:47.76 GRAHAM JOHNSTON	USA	35.93 TAKASHI HAYASHI	JPN	100 M. FREE	
3:07.46 N.MIYAMOTO	JPN	23:23.27 LARRY GOOD	USA	35.99 WALLY DOBLER	USA	1:13.69 ARAM BOGHOSSIAN	BRA
3:08.68 NIC GEERS	NED	23:38.65 WILHELM RAUCH	USA	36.04 DAVID RADCLIFF	USA	1:16.99 SHOICHI SHIDA	JPN
3:08.78 PETER BERGEGREN	SWE	23:53.82 KIYOJI AMANO	JPN	36.13 MASAYASU KAMIYA	JPN	1:17.34 HIROSHI YOSHIMURA	JPN
3:09.12 GUNTER BEILSTEIN	GER	24:04.00 JOHN STARR	GBR	36.25 JOJI OSHIMA	JPN	1:17.35 HAL BEGEL	USA
3:09.59 THOMAS WALKER	GBR	24:30.89 ROBERT MAYO	USA	36.57 J.LOUIS LE DALL	FRA	1:17.63 TOSHIO SHIMIZU	JPN
400 M. I.M.		25:05.73 DICK CHISHOLM	USA	36.83 TSUTOMU KAJIHARA	JPN	1:18.19 DAVID LAWLER	AUS
6:33.84 P.WERMELSKIRCHEN	GER	25:06.36 MASAYASU KAMIYA	JPN	36.94 YOSHIO ISHIGURO	JPN	1:18.20 HIROSHI YAMAZAKI	JPN
6:38.30 JURGEN LOWAG	GER	25:10.96 CHRISTOPHER SMITH	CAN	100 M. FLY		1:18.39 FRANK PIEMME	USA
6:38.60 GUNTER BEILSTEIN	GER	50 M. BACK		1:22.93 TAKASHI HAYASHI	JPN	1:20.61 NORITO OBA	JPN
6:43.99 MEL GOLDSTEIN	USA	34.17 YOSHI OYAKAWA	USA	1:24.63 WALLY DOBLER	USA	1:20.78 ALLEN MILES	GBR
6:45.23 ERNIE LESKOVITZ	USA	35.58 S.SEKIKAWA	JPN	1:26.76 MASAYASU KAMIYA	JPN	200 M. FREE	
6:53.94 WILLIAM CROWLEY	USA	35.75 BURWELL JONES	USA	1:27.03 ANTONIO SOUZA	BRA	2:46.17 ARAM BOGHOSSIAN	BRA
7:00.16 IAN CHRISTIE	CAN	38.60 MAMPEI SEINO	JPN	1:28.00 SEYMOUR BANNING	GBR	2:47.41 HIROSHI YOSHIMURA	JPN
7:00.48 NIC GEERS	NED	38.96 GEORGE GFROERER	USA	1:28.76 TAKASHI SATO	JPN	2:54.54 DAVID LAWLER	AUS
7:03.31 BARTOLINI BIONDI	ITA	39.32 CLIFF WARD	GBR	1:30.63 DREN GEER	USA	2:58.33 FRANK PIEMME	USA
7:05.65 LAURI MALK	FIN	39.41 LARRY GOOD	USA	1:31.85 JOHN JACEY	GBR	3:01.01 HIROSHI YAMAZAKI	JPN
		39.59 MASAYASU KAMIYA	JPN	1:33.04 HERWIG HERBERT	AUT	3:02.40 ROD BAKER	AUS
		40.01 KATSUHIKO SAKA	JPN	1:33.67 JORG FAUST	GER	3:07.02 MINORU NAGASHIMA	JPN
		40.51 ILO FONSECA	BRA	200 M. FLY		3:07.32 KEN MCKAY	GBR
		100 M. BACK		3:12.29 TAKASHI HAYASHI	JPN	3:08.80 W MORGAN BYERS	USA
		1:17.81 BURWELL JONES	USA	3:31.47 SEYMOUR BANNING	GBR	3:08.98 HIROSHI IMAIZUMI	JPN
		1:18.95 S.SEKIKAWA	JPN	3:38.84 PAUL ALVAREZ	GBR	400 M. FREE	
		1:21.09 YOSHI OYAKAWA	USA	3:44.51 GRAHAM JOHNSTON	USA	5:45.47 HIROSHI YOSHIMURA	JPN
		1:24.48 MAMPEI SEINO	JPN	3:44.72 WILLIAM LAUER	USA	6:07.86 ARAM BOGHOSSIAN	BRA
		1:26.71 LARRY GOOD	USA	3:50.90 HORST KESTENER	BRA	6:34.29 FRANK PIEMME	USA
		1:26.86 GEORGE GFROERER	USA	3:51.76 YOSHIO FUKUDA	JPN	6:35.07 HIROSHI YAMAZAKI	JPN
		1:28.51 ROBERT MAYO	USA	3:53.16 SAUL BIRMAN	BRA	6:46.02 KEN MCKAY	GBR
		1:28.80 ROGER BURREL	GBR	3:53.93 TOSHIMASA MINAMI	JPN	6:56.11 DOMENICO CASOLINO	ITA
		1:28.86 GRAHAM JOHNSTON	USA	3:56.81 BRUNELLO GRAJA	ITA	6:58.15 JAN ZIEGLER	CZE
		1:29.74 MASAYASU KAMIYA	JPN	100 M. I.M.		7:04.11 JIRO KOBAYASHI	JPN
		200 M. BACK		1:18.37 BURWELL JONES	USA	7:07.10 MASATO HOSHI	JPN
		2:51.90 BURWELL JONES	USA	1:18.68 WOLFRAM GOTTFRIED	GER	7:10.54 GERHARD GROSSER	GER
		3:05.42 MAMPEI SEINO	JPN	1:22.09 DAVID RADCLIFF	USA	800 M. FREE	
		3:10.69 YOSHI OYAKAWA	USA	1:23.07 MASAYASU KAMIYA	JPN	12:02.87 HIROSHI YOSHIMURA	JPN
		3:11.72 GRAHAM JOHNSTON	USA	1:24.89 JOHN KORTHEUER	USA	13:55.44 GERHARD SCHOLZ	GER
		3:12.51 ALAN RAPPERPORT	USA	1:25.20 BOB BEST	USA	14:53.66 THOMAS MAINE	USA
		3:12.99 ROGER BURREL	GBR	1:25.28 LARRY GOOD	USA	14:56.28 KEN MCKAY	GBR
		3:16.92 GEORGE GFROERER	USA	1:25.31 WALLY DOBLER	USA	15:01.72 PAUL POULAUD	FRA
		3:19.21 MICHIO KUBOTA	JPN	1:26.36 HORST KESTENER	BRA	15:02.35 W MORGAN BYERS	USA
		3:20.01 ROBERT MAYO	USA	1:27.71 HERWIG HERBERT	AUT	15:16.93 DONALD HUBBARD	USA

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

15:24.15	EDWARD HOY	GBR	4:05.79	MORRIS MATHEWS	USA	37.81	PAUL HUTINGER	USA	1:54.58	JURGEN SCHMIDT	USA
15:24.96	WAYNE CLEGERN	USA	4:06.99	JAMES GREEN	GBR	38.55	JURGEN SCHMIDT	USA	1:57.09	H.REITEMEYER	GER
15:34.86	JORDAN WOLLE	USA	50 M. FLY			39.06	R SALATI	USA	1:57.72	KEVIN VICKERY	AUS
1500 M. FREE			33.27	ARAM BOGHOSSIAN	BRA	39.34	KAKUICHI YANAGAWA	JPN	1:57.88	H.MIYAZAKI	JPN
26:53.03	HARVEY PROSSER	USA	38.76	TAMON YOSHIDA	JPN	39.41	ROBERT SIGERSMITH	USA	200 M. BACK		
27:37.79	KIMIYAKI KATSUNO	JPN	38.84	SUEO YAMAGUCHI	JPN	100 M. FREE			3:39.12	PAUL HUTINGER	USA
28:04.77	THOMAS MAINE	USA	39.51	FRANK PIEMME	USA	1:23.39	MAX VAN GELDER	NED	3:55.00	JOHN DAVIS	GBR
28:15.67	W MORGAN BYERS	USA	40.42	TOSHIO TAJIMA	JPN	1:25.05	JURGEN SCHMIDT	USA	4:00.80	JACK TRUBY	USA
28:25.93	GERHARD GROSSER	GER	40.61	MINORU NAGASHIMA	JPN	1:26.63	NILS KLING	SWE	4:03.32	KAIZO WATANABE	JPN
28:31.04	LEE ARTH	USA	41.52	HORST FRITSCHKE	GER	1:28.44	R.DAVID HALIMI	FRA	4:05.66	GAETANO PAVONE	USA
28:56.38	WAYNE CLEGERN	USA	41.62	HAL BEGEL	USA	1:29.61	ROBERT BLAKE	USA	4:06.08	JAMES EDWARDS	USA
29:01.58	THOMAS CURRIE	AUS	41.66	DICK WEBBER	USA	1:31.89	KEVIN VICKERY	AUS	4:10.63	JACQUES AMYOT	CAN
29:48.06	JORDAN WOLLE	USA	41.74	YASUICHI MATSUURA	JPN	1:33.80	KOSAKU ASADA	JPN	4:18.33	JURGEN SCHMIDT	USA
30:07.58	FRED TRASK	USA	100 M. FLY			1:34.67	GILBERT YOUNG	USA	4:22.43	KEVIN VICKERY	AUS
50 M. BACK			1:42.13	MINORU NAGASHIMA	JPN	1:37.16	KATSUZO SHIRAYAMA	JPN	4:25.99	JOHN CRANCH	USA
40.93	HORACE KNOWLTON	USA	1:42.24	THOMAS MAINE	USA	1:37.53	R SALATI	USA	50 M. BRST		
42.18	FRANK PIEMME	USA	1:43.53	JAN ZIEGLER	CZE	200 M. FREE			45.63	BARTON GREENBERG	USA
42.97	ALLAN ANDERSSON	SWE	1:44.13	TAMAS BOROSSY	SWE	3:14.12	JURGEN SCHMIDT	USA	45.82	MAX VAN GELDER	NED
43.71	DALE WEBSTER	USA	1:47.73	FRANK PIEMME	USA	3:23.78	JAMES EDWARDS	USA	48.66	LUDWIG GEBURZI	GER
43.78	DUANE DRAVES	USA	1:48.11	SILVANO DANIELI	ITA	3:25.53	ROBERT BLAKE	USA	48.83	ROLF STOCKHAUSEN	GER
44.57	ALDACYR HILL	BRA	1:56.35	SUEO YAMAGUCHI	JPN	3:37.92	JAMES DETAR	BRA	49.21	TAKEISHI YASUKAWA	JPN
44.68	GUNTER BEHNERT	GER	1:57.04	ERICH DILFER	GER	3:39.31	KEVIN VICKERY	AUS	49.23	BRUNO HAMPEL	GER
44.85	F.YANAGISAWA	JPN	1:57.41	BILL JOHNSON	CAN	3:41.70	GILBERT YOUNG	USA	49.63	SADAYUKI WAKAI	JPN
45.04	G.SHIMOMOTO	JPN	2:06.17	KEN MCKAY	GBR	3:42.26	EMANUELE DELPINO	ITA	50.21	PAUL HUTINGER	USA
45.40	JAN ZIEGLER	CZE	200 M. FLY			3:42.73	SEITA INAYOSHI	JPN	51.12	ISAO FUNAMOTO	JPN
100 M. BACK			3:45.43	MINORU NAGASHIMA	JPN	3:44.28	MINORU FUKUI	JPN	51.20	T.TACHIKAW	JPN
1:28.03	HORACE KNOWLTON	USA	3:48.09	LEN GOLDSTONE	USA	3:46.04	ROBERT SIGERSMITH	USA	100 M. BRST		
1:34.87	DUANE DRAVES	USA	3:49.87	THOMAS MAINE	USA	400 M. FREE			1:45.51	BARTON GREENBERG	USA
1:36.83	G.SHIMOMOTO	JPN	3:55.79	JAN ZIEGLER	CZE	6:51.46	JURGEN SCHMIDT	USA	1:51.00	MAX VAN GELDER	NED
1:39.01	DALE WEBSTER	USA	4:39.85	BILL WALKER	AUS	7:23.48	JAMES EDWARDS	USA	1:51.14	JACQUES AMYOT	CAN
1:40.30	JAN ZIEGLER	CZE	4:40.81	ALLAN DUFTY	AUS	7:42.16	CALVIN BARNES	USA	1:52.42	ISAO FUNAMOTO	JPN
1:40.88	DAVID LAWLER	AUS	4:49.31	HARVEY PROSSER	USA	7:46.76	JAMES DETAR	BRA	1:53.55	KOSAKU ASADA	JPN
1:41.55	H.SAKURAGI	JPN	4:53.49	H.MURAMATSU	JPN	7:51.46	JACQUES AMYOT	CAN	1:55.77	LUDWIG GEBURZI	GER
1:41.93	ALDACYR HILL	BRA	5:10.67	GENE SAPPER	USA	8:05.20	GILBERT YOUNG	USA	1:57.09	H.REITEMEYER	GER
1:44.33	F.YANAGISAWA	JPN	5:14.46	ART KELLEY	USA	8:08.92	MINORU FUKUI	JPN	1:58.18	TAKEISHI YASUKAWA	JPN
1:46.01	ZAVEN BOGHOSSIAN	BRA	100 M. I.M.			8:16.43	ROBERT SIGERSMITH	USA	2:00.22	BRUNO HAMPEL	GER
200 M. BACK			1:30.49	ZENJI NAKAHARI	JPN	8:25.38	BRUNO HAMPEL	GER	2:01.07	SEITA INAYOSHI	JPN
3:14.41	HORACE KNOWLTON	USA	1:32.04	SHOICHI SHIDA	JPN	8:38.68	R SALATI	USA	200 M. BRST		
3:31.36	DUANE DRAVES	USA	1:32.65	HORACE KNOWLTON	USA	800 M. FREE			3:50.86	MAX VAN GELDER	NED
3:33.43	G.SHIMOMOTO	JPN	1:32.96	ALLEN MILES	GBR	14:13.19	JURGEN SCHMIDT	USA	4:02.90	JACQUES AMYOT	CAN
3:37.14	JAN ZIEGLER	CZE	1:33.35	DUANE DRAVES	USA	14:35.51	NILS KLING	SWE	4:07.82	ISAO FUNAMOTO	JPN
3:42.71	F.YANAGISAWA	JPN	1:33.65	FRANK PIEMME	USA	16:10.13	JACQUES AMYOT	CAN	4:20.35	JOHN DAVIS	GBR
3:46.87	GERHARD SCHOLZ	GER	1:34.82	ARAM BOGHOSSIAN	BRA	16:31.03	JAMES EDWARDS	USA	4:28.10	BRUNO HAMPEL	GER
3:47.13	DALE WEBSTER	USA	1:35.40	YUJI SUZUKI	JPN	16:41.68	GILBERT YOUNG	USA	4:48.15	NORMAN GARSOE	USA
3:51.41	GERHARD GROSSER	GER	1:35.70	JAN ZIEGLER	CZE	17:09.61	JACK TRUBY	USA	4:55.03	TOM MC CALL	USA
3:53.10	CRISPINO QUARTANA	ITA	1:35.98	LOTHAR KREMER	GER	17:17.45	R SALATI	USA	5:03.85	GEORGE MELICK	USA
3:54.01	THOMAS MAINE	USA	200 M. I.M.			17:30.72	TOM BRERETON	NZL	5:04.84	RICHARD AVERY	USA
50 M. BRST			3:22.71	HORACE KNOWLTON	USA	18:10.45	RICHARD SMITH	USA	5:09.82	TOM DOWELL	USA
40.88	TOSHIO TAJIMA	JPN	3:31.59	LEN GOLDSTONE	USA	18:10.86	JIM MASTERSON	GBR	50 M. FLY		
42.14	CHARLES URSTADT	USA	3:32.03	FRANK PIEMME	USA	1500 M. FREE			49.29	MAX VAN GELDER	NED
42.43	ZENJI NAKAHARI	JPN	3:33.76	JAN ZIEGLER	CZE	27:14.58	JURGEN SCHMIDT	USA	50.80	PAUL HUTINGER	USA
43.18	HORST FRITSCHKE	GER	3:36.96	THOMAS MAINE	USA	30:19.04	JACQUES AMYOT	CAN	51.12	LUDWIG GEBURZI	GER
43.33	GERHARD GIERA	GER	3:43.77	HIROSHI IMAIZUMI	JPN	30:22.32	HISAO HORIKAWA	JPN	52.77	KAKUICHI YANAGAWA	JPN
43.74	IWAO YAMAMOTO	JPN	3:47.20	MAURICE LUSIEN	FRA	32:20.18	ROBERT SIGERSMITH	USA	53.08	NILS KLING	SWE
43.84	MITSUO NISHIZAWA	JPN	4:03.17	SUEO YAMAGUCHI	JPN	33:55.64	RICHARD SMITH	USA	53.42	JACQUES AMYOT	CAN
44.63	ESKO SALONEN	FIN	4:03.54	TAMAS BOROSSY	SWE	34:29.40	TOM MC CALL	USA	55.71	JURGEN SCHMIDT	USA
44.88	RYUJI HASHIMOTO	JPN	4:05.05	ALDO MANFROI	BRA	37:33.48	BOB DOUD	USA	56.17	HIRONARI UEDA	JPN
44.89	FRANK PIEMME	USA	400 M. I.M.			38:34.20	JOHN CRANCH	USA	56.80	WERNER FRITZSCHE	GER
100 M. BRST			7:35.36	LEN GOLDSTONE	USA	42:49.56	FRED ROGERS	USA	58.07	FRANZ ZIGON	AUT
1:37.23	ZENJI NAKAHARI	JPN	7:37.65	JAN ZIEGLER	CZE	45:14.74	HERB SIEGEL	USA	100 M. FLY		
1:37.83	ESKO SALONEN	FIN	7:44.86	THOMAS MAINE	USA	50 M. BACK			1:43.20	MAX VAN GELDER	NED
1:37.85	KARL HAUTER	GER	8:12.77	FRANK PIEMME	USA	40.32	KEIJIRO NAKAMURA	JPN	2:02.67	KAKUICHI YANAGAWA	JPN
1:38.59	MITSUO NISHIZAWA	JPN	8:22.40	ALLAN DUFTY	AUS	41.58	PAUL HUTINGER	USA	2:02.67	JACQUES AMYOT	CAN
1:39.97	TOSHIO TAJIMA	JPN	8:41.73	HARVEY PROSSER	USA	45.98	NILS KLING	SWE	2:08.67	HIRONARI UEDA	JPN
1:40.70	CHARLES URSTADT	USA	8:43.59	KEN MCKAY	GBR	48.06	JACK TRUBY	USA	2:13.25	LEON WALKDEN	GBR
1:41.10	HORACE KNOWLTON	USA	9:05.99	H.MURAMATSU	JPN	48.26	KAIZO WATANABE	JPN	2:21.89	DON LEADER	GBR
1:41.20	WERNER ASSMANN	GER	9:27.37	BILL JOHNSON	CAN	48.65	R.DAVID HALIMI	FRA	2:23.53	JURGEN SCHMIDT	USA
1:41.49	TADASU MATSUOKA	JPN	9:39.38	DONALD HUBBARD	USA	48.95	GAETANO PAVONE	USA	2:25.50	TOM MC CALL	USA
1:42.14	IWAO YAMAMOTO	JPN	*****			49.22	HISAO HORIKAWA	JPN	2:41.53	BOB DOUD	USA
200 M. BRST			*****			50.36	KEVIN VICKERY	AUS	2:55.80	RICHARD EVANS	USA
3:39.93	ZENJI NAKAHARI	JPN	M E N 80-84			50.94	JURGEN SCHMIDT	USA	200 M. FLY		
3:48.54	MAURICE LUSIEN	FRA	*****			100 M. BACK			4:50.00	JACQUES AMYOT	CAN
3:50.20	JAN ZIEGLER	CZE	50 M. FREE			1:33.27	PAUL HUTINGER	USA	4:50.08	HIRONARI UEDA	JPN
3:51.54	MINORU WATABE	JPN	32.61	KEIJIRO NAKAMURA	JPN	1:41.17	NILS KLING	SWE	4:52.61	DON LEADER	GBR
3:58.33	THOMAS MAINE	USA	35.85	SADAYUKI WAKAI	JPN	1:48.83	JACK TRUBY	USA	6:28.95	KENJIRO KAKEI	JPN
4:00.45	CHARLES URSTADT	JPN	36.58	MAX VAN GELDER	NED	1:50.28	KAIZO WATANABE	JPN	6:52.08	RICHARD EVANS	USA
4:00.54	WATARU ASAKA	JPN	36.98	NILS KLING	SWE	1:52.57	GAETANO PAVONE	USA	8:43.89	VLADIMIR OUCHAKOF	USA
4:04.49	DAN GRUENDER	USA	36.99	R.DAVID HALIMI	FRA	1:53.38	JOHN DAVIS	GBR	11:06.67	DAN MCNEIL	USA

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100 M. I.M.		12:09.90 MAX AVENEL	FRA	53.00 PAUL KRUP	USA	59.55 JOHN HARRISON	GBR
1:35.60 MAX VAN GELDER	NED	13:10.75 P. O'SULLIVAN	AUS	1:04.88 WILLIAM JOHNSTON	USA	59.64 KAZUNAGA AKUTSU	JPN
1:43.06 PAUL HUTINGER	USA	800 M. FREE		1:06.00 ALDO CAPUTI	ITA	1:02.38 WOODY BOWERSOCK	USA
1:47.15 JURGEN SCHMIDT	USA	17:03.94 HAROLD DODD	GBR	1:21.16 JOHN BRICE	AUS	1:04.10 HEINZ SIEGEL	GER
1:47.55 SADAYUKI WAKAI	JPN	17:32.11 ARTHUR THOMAS	AUS	100 M. FLY		1:06.29 JIM TRIOLO	USA
1:48.01 NILS KLING	SWE	18:10.10 JOHN BRICE	AUS	2:01.65 ANDREW HOLDEN	USA	1:13.95 GASTAO FIGUEIREDO	BRA
1:50.39 LUDWIG GEBURZI	GER	19:11.96 HUGH MCGREGOR	CAN	2:45.54 WILLIAM JOHNSTON	USA	1:15.21 WALTER SEIFERT	GER
1:50.70 JACQUES AMYOT	CAN	19:30.91 BUD JACKSON	USA	200 M. FLY		1:15.72 ROMAN JEZEK	CAN
1:59.63 KEVIN VICKERY	AUS	19:59.95 WILLIAM JOHNSTON	USA	6:52.38 WILLIAM JOHNSON	USA	1:19.50 EUGENE LEHMAN	CAN
1:59.82 JOHN DAVIS	GBR	21:52.33 LYNN SURLES	USA	100 M. I.M.		100 M. BACK	
2:00.83 ISAO FUNAMOTO	JPN	24:15.93 MAX AVENEL	FRA	1:48.23 ANDREW HOLDEN	USA	2:12.87 JOHN HARRISON	GBR
200 M. I.M.		1500 M. FREE		1:55.35 MAX VON ISSER	USA	2:16.04 WOODY BOWERSOCK	USA
3:59.82 JACQUES AMYOT	CAN	32:11.96 HAROLD DODD	GBR	1:59.34 ISAMU TAMURA	JPN	2:20.84 R.REINSTADTLER	GER
4:13.06 LUDWIG GEBURZI	GER	35:02.69 AUSTIN NEWMAN	USA	2:10.21 PAUL KRUP	USA	2:31.93 JIM TRIOLO	USA
4:13.15 JURGEN SCHMIDT	USA	36:30.92 HUGH MCGREGOR	CAN	2:13.11 WILLIAM JOHNSON	USA	2:44.25 GASTAO FIGUEIREDO	BRA
4:15.42 DON LEADER	GBR	38:31.76 WILLIAM JOHNSTON	USA	2:25.93 ALDO CAPUTI	ITA	2:49.04 ROMAN JEZEK	CAN
4:26.86 HIRONARI UEDA	JPN	41:35.46 LYNN SURLES	USA	2:44.18 JOHN BRICE	AUS	2:54.98 RYUZO KADONO	JPN
4:27.83 JOHN DAVIS	GBR	50 M. BACK		2:49.39 JOHN HARRISON	GBR	3:13.30 EUGENE LEHMAN	CAN
4:35.79 KEVIN VICKERY	AUS	49.24 ANDREW HOLDEN	USA	200 M. I.M.		200 M. BACK	
4:45.45 MINORU FUKUI	JPN	51.11 NILS FERM	SWE	4:19.20 ANDREW HOLDEN	USA	5:00.38 JOHN HARRISON	GBR
4:50.21 TOM MC CALL	USA	52.42 ALFRED SCHULHOF	USA	5:35.45 WILLIAM JOHNSTON	USA	5:18.46 R.REINSTADTLER	GER
4:58.70 KAIZO WATANABE	JPN	52.62 M.FUKUSHIMA	JPN	400 M. I.M.		5:18.95 JIM TRIOLO	USA
400 M. I.M.		52.69 TOSHII SATO	JPN	9:36.09 ANDREW HOLDEN	USA	5:42.97 GASTAO FIGUEIREDO	BRA
8:38.45 JACQUES AMYOT	CAN	52.69 HIROSHI HIRAE	JPN	*****		5:10.07 ROMAN JEZEK	CAN
8:47.65 JURGEN SCHMIDT	USA	53.39 WALTER MINNICH	GER	M E N 90-94		7:31.41 EUGENE LEHMAN	CAN
8:54.90 DON LEADER	GBR	54.72 STEVE CARLSON	USA	*****		50 M. BRST	
9:39.34 HIRONARI UEDA	JPN	54.73 ARTHUR THOMAS	AUS	50 M. FREE		1:04.67 HEINZ SIEGEL	GER
9:46.69 JOHN DAVIS	GBR	56.11 TOM HAVER	USA	42.93 TOKUSHI KOMEDA	JPN	1:08.03 KAZUNAGA AKUTSU	JPN
11:23.35 KENJIRO KAKEI	JPN	100 M. BACK		43.01 WOODY BOWERSOCK	USA	1:11.58 MASAHISA KANEKO	JPN
12:57.50 RICHARD EVANS	USA	1:55.56 NILS FERM	SWE	49.37 HEINZ SIEGEL	GER	1:11.67 JIM PANTON	CAN
15:59.21 DAN MCNEIL	USA	2:00.36 TOSHII SATO	JPN	49.56 R.REINSTADTLER	GER	1:13.90 DERRICK DAVEY	GBR
17:51.85 T JOHNSON	USA	2:00.92 ALFRED SCHULHOF	CAN	50.97 KAZUNAGA AKUTSU	JPN	1:14.36 ROMAN JEZEK	CAN
*****		2:05.51 HUGH MCGREGOR	CAN	56.87 L CROSSETT	USA	1:14.72 WALTER SEIFERT	GER
M E N 85-89		2:14.63 TOM HAVER	USA	57.02 JOHN HARRISON	GBR	1:16.97 JOHN HARRISON	GBR
*****		2:16.01 KAZUYA NIIMURA	JPN	1:02.41 WALTER SEIFERT	GER	1:54.80 EUGENE LEHMAN	CAN
50 M. FREE		2:18.98 WILLI WINDEL	GER	1:03.41 GASTAO FIGUEIREDO	BRA	2:29.96 T.VASCONCELLOS	BRA
37.85 ANDREW HOLDEN	USA	2:22.22 FRED HOLDREGE	USA	1:03.95 JIM PANTON	CAN	100 M. BRST	
39.19 ISAMU TAMURA	JPN	2:27.79 JOHN WHITE	USA	1:03.95 JIM PANTON	CAN	2:49.83 ROMAN JEZEK	CAN
40.55 GORO KOBAYASHI	JPN	2:43.66 MAX AVENEL	FRA	100 M. FREE		2:49.96 JIM PANTON	CAN
41.08 ARTHUR THOMAS	AUS	200 M. BACK		1:41.47 TOKUSHI KOMEDA	JPN	2:54.08 DERRICK DAVEY	GBR
42.51 WILLIAM JOHNSTON	USA	4:36.04 HUGH MCGREGOR	CAN	1:51.96 HEINZ SIEGEL	GER	3:00.04 JOHN HARRISON	GBR
43.26 STEVE CARLSON	USA	5:03.22 JOHN WHITE	USA	1:57.38 KAZUNAGA AKUTSU	JPN	4:06.10 EUGENE LEHMAN	CAN
43.78 M.FUKUSHIMA	JPN	5:06.68 KAZUYA NIIMURA	JPN	2:09.34 JIM TRIOLO	USA	200 M. BRST	
44.16 NILS FERM	SWE	5:08.23 TOM HAVER	USA	2:12.98 L CROSSETT	USA	6:06.92 ROMAN JEZEK	CAN
45.04 GEORGE CORONES	AUS	5:10.44 FRED HOLDREGE	USA	2:17.04 JOHN HARRISON	GBR	6:22.73 JIM PANTON	CAN
46.02 WALTER MINNICH	GER	5:38.15 MAX AVENEL	FRA	2:35.85 ROMAN JEZEK	CAN	7:20.98 ARTHUR EVANS	AUS
100 M. FREE		5:54.83 WILLIAM JOHNSON	USA	2:48.11 JIM PANTON	CAN	50 M. FLY	
1:38.23 ARTHUR THOMAS	AUS	7:34.12 MANOEL LOUREIRO	BRA	2:49.67 EUGENE LEHMAN	CAN	1:09.41 HEINZ SIEGEL	GER
1:38.75 STEVE CARLSON	USA	8:29.61 MORTON BAGLEY	AUS	3:09.16 JIRO AZUMA	JPN	1:25.02 JOHN HARRISON	GBR
1:44.27 RYUJI FUJIKAWA	JPN	50 M. BRST		200 M. FREE		1:38.44 ROMAN JEZEK	CAN
1:47.30 HAROLD DODD	GBR	50.44 WALTER MINNICH	GER	3:39.65 TOKUSHI KOMEDA	JPN	1:40.91 EUGENE LEHMAN	CAN
1:48.69 NILS FERM	SWE	50.79 Y.MIYAMOTO	JPN	4:49.27 WOODY BOWERSOCK	USA	100 M. FLY	
1:48.84 WILLIAM JOHNSTON	USA	51.54 MAX VON ISSER	USA	4:49.62 JIM TRIOLO	USA	4:29.24 EUGENE LEHMAN	CAN
1:49.97 HUGH MCGREGOR	CAN	53.82 PAUL KRUP	USA	4:49.67 JOHN HARRISON	GBR	100 M. I.M.	
1:56.22 LUCIANO CANESSA	ITA	54.80 ALFRED SCHULHOF	CAN	5:07.21 L CROSSETT	USA	2:08.86 TOKUSHI KOMEDA	JPN
2:04.23 LYNN SURLES	USA	55.64 JIRO HIRONAKA	JPN	5:54.18 ROMAN JEZEK	CAN	2:24.64 HEINZ SIEGEL	GER
2:04.69 MASAYOSHI ARIYAMA	JPN	55.82 HIROMU YOSHIMOTO	JPN	6:03.68 EUGENE LEHMAN	CAN	2:41.95 R.REINSTADTLER	GER
200 M. FREE		58.91 ANDREW HOLDEN	USA	6:05.10 JIM PANTON	CAN	2:49.39 JOHN HARRISON	GBR
3:46.07 STEVE CARLSON	USA	1:01.31 LENNART INGMO	SWE	6:35.47 JIRO AZUMA	JPN	3:04.52 ROMAN JEZEK	CAN
3:55.27 HAROLD DODD	GBR	1:04.17 ALDO CAPUTI	ITA	8:05.42 J.JACQUES STORZ	FRA	3:24.52 EUGENE LEHMAN	CAN
3:55.94 ARTHUR THOMAS	AUS	100 M. BRST		400 M. FREE		200 M. I.M.	
4:15.50 LUCIANO CANESSA	ITA	2:03.83 MAX VON ISSER	USA	9:47.46 JIM TRIOLO	USA	6:10.00 JOHN HARRISON	GBR
4:18.33 RYUJI FUJIKAWA	JPN	2:04.89 HIROMU YOSHIMOTO	JPN	10:02.86 JOHN HARRISON	GBR	7:18.74 ROMAN JEZEK	CAN
4:22.51 WILLIAM JOHNSTON	USA	2:07.15 ALFRED SCHULHOF	CAN	10:26.52 L CROSSETT	USA	7:32.22 EUGENE LEHMAN	CAN
4:35.20 HUGH MCGREGOR	CAN	2:09.36 Y.MIYAMOTO	JPN	10:53.93 NOBUO USHIMI	JPN	*****	
4:49.85 LYNN SURLES	USA	2:10.67 PAUL KRUP	USA	12:26.09 EUGENE LEHMAN	CAN	M E N 95-99	
5:05.10 TOM HAVER	USA	2:26.21 LENNART INGMO	SWE	12:43.22 ROMAN JEZEK	CAN	*****	
5:10.44 FRED HOLDREGE	USA	2:30.02 WILLIAM JOHNSTON	USA	18:18.11 J.JACQUES STORZ	FRA	50 M. FREE	
400 M. FREE		2:39.80 GEORGE CORONES	AUS	800 M. FREE		1:06.95 JARING TIMMERMAN	CAN
8:10.74 ARTHUR THOMAS	AUS	2:45.34 MASAHARU HAMANO	JPN	20:48.59 JOHN HARRISON	GBR	1:43.00 HANS HAHN	GER
8:13.18 STEVE CARLSON	USA	3:08.61 MARK WALKER	AUS	25:36.41 EUGENE LEHMAN	CAN	100 M. FREE	
8:19.50 HAROLD DODD	GBR	200 M. BRST		26:55.55 ROMAN JEZEK	CAN	2:31.62 JARING TIMMERMAN	CAN
8:21.99 NILS FERM	SWE	4:49.45 ALFRED SCHULHOF	CAN	1500 M. FREE		50 M. BACK	
9:10.48 HUGH MCGREGOR	CAN	5:00.00 BUD JACKSON	USA	39:33.78 WOODY BOWERSOCK	USA	1:10.42 NORI YAMAMOTO	JPN
9:26.93 BUD JACKSON	USA	5:43.10 WILLIAM JOHNSON	USA	40:43.49 JOHN HARRISON	GBR	1:25.49 JARING TIMMERMAN	CAN
10:34.45 WILLIAM JOHNSTON	USA	50 M. FLY		47:19.71 EUGENE LEHMAN	CAN	1:55.61 HANS HAHN	GER
10:43.68 LYNN SURLES	USA	43.35 MAX VON ISSER	USA	50 M. BACK		100 M. BACK	
		47.89 ANDREW HOLDEN	USA	59.32 R.REINSTADTLER	GER		

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

4:00.58 HANS HAHN	GER	CINDY BERTELINK	MONIKA ROSENMEIER	SUMIKO TANIGUCHI
*****		JOAN SHAW	MARTINA BACK	YOKO YOSHIDA
RELAYS: WOMEN 200 M. FREE		ELLEN NEWBOLD	PSV NED 2:11.82	FUSAKO TAKASHITA
*****		ISTRES SP NATAT FRA 1:58.72	INEKE WEEKERS	TOMIKO MURAI
		KARINE BREMOND	MARLEEN WILLEMS	
AGE 100-119		CECILE AUBERT	LOTTIE GEURTS	AGE 280-319
KVIK DEN 1:53.18		SOPHIE MOLLET	SASKIA PHAFF	SOIK HELLAS SWE 2:43.14
		CLAIRE ALLIONE	CN MARSEILLE FRA 2:14.38	ARIZ USA 2:44.58
		CITY OF DERBY GBR 1:59.88	SOPHIE RAMOGER	SALLY BOLAR
		SOIK HELLAS SWE 2:00.47	M.NOELLE JOLLY	NANCY KINNEY
		MARJA HAGLUND	CATHERINE VERANE	CAROL TAYLOR
USG DEN 1:57.25		LENA EK	SO SALA MORANGE	GAIL ROPER
		REBECCA GOLDBACH	CITY OF DERBY GBR 2:17.45	ISLAND TAKATSUK JPN 2:45.34
		ASA VIKANDER	UCLA USA 2:17.65	KEIKO FUJIMOTO
		MILTON KEYNES GBR 2:01.07	RENAME WINKLER	KIYOKO IKEUCHI
		ARIZ USA 2:01.37	BRENDA JARMAKANI	KAZUMI KUWATA
		LOUISE KEOGH	RORY BARISH	HISAKO SATO
TAJIRI-CHO SUIR JPN 1:58.43		LAURA VON GLUCK	KELLY THOMAS	WIN FUKUSHIMA JPN 2:49.49
		TERE DERBEZ	FHM BIRMINGHAM GBR 2:18.20	KATSUKO TAKAHASHI
		EVIE LYNCH	ISF USA 2:18.34	AIKO GOTO
SK LAXEN SWE 1:58.80		AGE 160-199	C GETTELFINGER	YOSHIKO ITO
		AZ&PC NED 1:53.16	SUSAN MURPHY	YOSHIKO SATO
		MARJA BLOEMZAAD	SUSAN MEYERS	OAHU KIOICHO JPN 2:54.25
		PETRA FROWIJN	SUSAN FRANCIS	NORIKO YATSUNAMI
DDO CAN 1:59.08		ATIE PIJTAK	OAHU KIOICHO JPN 2:18.50	KIYOE KOYAMA
		LIDIA VAN BON	KEIKO YAMADA	KIYOKO KOSUGI
		NTMC CAN 1:58.21	KEIKO ABE	HARUKO GODO
		JUDIE GARAY	TOMOKO TAMPO	SC DUSSELDORF GER 2:59.08
		G.GRAVELINE	MAYUMI TANABE	BIRGIT OSSELMANN
IFK LIDINGOS SWE 1:59.25		CHRISTINA ECHOLS	NVM CAN 2:19.08	INGRID LANGE
		KATIE OSBORNE	GEORGINA LOPEZ	INGEBORG FRITZE
		C.EDWARDS	PRUDENCE MOORE	U.MEYER-TONDORF
		LETH CAN 1:58.70	BARBARA WIENS	SAPPORO AC JPN 3:11.62
		LORI MELIEN	DEBORAH ROBERTSON	YOSHI OGATA
ASPTT TOULOUSE FRA 1:59.25		JILL QUIRK	AGE 240-279	YUKIE SATO
		JOHNNIE KELLY	KENILWORTH GBR 2:23.73	YUKO NISHIMURA
		COLLEN POFF	JUEI CLUB JPN 2:26.18	MICHIKO SUZUKI
		IFK LIDINGOS SWE 2:00.52	TERUKO NISHISAKO	C.R.ICARAI BRA 3:16.65
		YVONNE ERIKSSON	HARUMI MASUOKA	WCM USA 3:18.92
EMSC CAN 2:00.31		NINA BELAIEFF	YURIKO NAGAMATSU	DONNA MONROE
		CECILIA WANGEL	MOYOKO IMURA	JEAN DUNCAN
		CECILIA GYLDEN	OAHU KIOICHO JPN 2:29.67	BETTY MC MILLAN
		KENILWORTH GBR 2:01.25	HARUMI SUGIMOTO	ANN HIRSCH
		DDO CAN 2:01.35	KEIKO YAMADA	SAPPORO MST JPN 3:20.46
		LIANE VEZINA	KIYOKO KOSUGI	SUMIKO KUJI
		JOHANNE BEDARD	TATSUKO MOMOTANI	YUKIKO MINEMURA
		ISABELLE BERNARD	TECH CAN 2:30.92	YAE MUROI
		ANN KOURI	KATHY MILNE	RYOKO YAMAMOTO
		TABY SIM SWE 2:01.92	PAT DAVIS	AGE 320-359
		ANNICA ABERG	PAT NIBLETT	SAPPORO MST JPN 4:08.84
		LILIE LARSSON	MARGARET BAKISH	FUMI MURATA
		ERIKA ERICSSON	HAKUYO S JPN 2:32.16	TSUYA KAWAMURA
		GUNILLA RASMUSON	KAZUYO OHAMA	NAKA FUKUOKA
MELO USA 2:03.10		JANA MATENA	MITSUKO HAYASHI	SETSUOKO NARITA
		TASHA CAPEN	KEIKO KADOKURA	PRIO SC YAMADA JPN 4:13.08
		KAREN PARKS	FUMIKO NAKAMURA	MATSUE IWASAKI
		BARBARA BREEN	SC DUSSELDORF GER 2:34.70	MITSUE SHIMADA
		NEM USA 2:03.32	BARBIE TIMMER	TOMIKO IKEDA
		KAREN MAREB	INGRID LANGE	REIKO KOBAYASHI
		MISSIE BANKES	HEIDI GUHL	YOKOHAMA SUIEIK JPN 4:27.42
		MICHELE ROY	U.MEYER-TONDORF	CHIYOKO TAKIZAWA
		MICHELE FOX	YOKOHAMA SAKURA JPN 2:43.00	MASAKO MATSUNO
		AGE 200-239	HIDEKO MARUOKA	MICHIKO TEJIMA
		NEM USA 1:58.64	FUSAKO YONEZAWA	TOSHIKO AMANO
		JACKI HIRSTY	YUKIKO KOGURE	*****
		JOEL FELDMANN	YUMI ARASAWA	RELAYS: WOMEN 200 M. MEDLEY
		K NISLEY-BLACK	SOUTHPORT GBR 2:43.03	*****
		TRACY GRILLI	SOIK HELLAS SWE 2:43.14	AGE 100-119
		VFL GERA GER 2:10.20	ERSTIN GJORES	SL LAXEN SWE 1:58.80
		CORNELIA TROST	EVA-BRITT WIDAH	ANNA NILSSON
		HEIKE HERRMANN	MARIANNE GRANE	M.KRISTIANSSON
			MARGARETA RAINER	PERNILLA MARCUS
			NISPO IWATSUKI JPN 2:43.24	A.BERGQVIST
				IFK LIDINGOS SWE 1:59.25
				C.WESTERBERG

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CAROLINE DAHLBERG KRISTINE PERSSON ULRIKA WESTERBERG KVIK DEN 2:08.01	AGE 160-199 NTMC CAN 2:10.17 CHRISTINA ECHOLS JUDIE GARAY KATIE OSBORNE G.GRAVELINE LETH CAN 2:12.35 SHYANNE SHANNON JANICE HUTTON JILL QUIRK LORI MELIEN DDO CAN 2:14.07 ANN KOURI JOHANNE BEDARD ISABELLE BERNARD LIANE VEZINA KENILWORTH GBR 2:15.68 C.EDWARDIANS GBR 2:16.33 TABY SIM SWE 2:18.80 ERIKA ERICSSON LILIE LARSSON ANNICA ABERG GUNILLA RASMUSON CSC FUTAMATAGAW JPN 2:21.56 ASAKO SUZUKI HISAE NOJIMA MACHIKO TAKEI HIDEKO HORI SC DINSLAKEN GER 2:23.00 UTE WOJCIECHOWSKI PETRA SCHROER SIMONE DICKMANN INGRID TSCHERNY SV HAGEN GER 2:23.22 HEIKE HUNDSHAGEN BRITTA ROLLER GABRIELE BRKOWSKI BEATE VORMANN VIC CAN 2:23.99 SARAH MACDONALD DANIELLE BRAULT PAM BANSER JACKIE CHEW	WAVE CAN 2:37.29 KATHY GRAHAM KERRY DUVAL DALE FREEMAN ELSA DE LEUW OAHU KIOICHO JPN 2:37.30 HIROKO KAYAMORI KEIKO YAMADA MAYUMI TANABE TOMOKO TAMPO AGE 240-279 KENILWORTH GBR 2:41.40 SPENCER GBR 2:47.70 SSF BONN GER 2:50.64 MARGRET HANKE MONIKA WARNUSZ INGEBORG SEIDEL BARBEL BINDER TECH CAN 2:52.04 PAT DAVIS MARGARET BAKISH KATHY MILNE PAT NIBLETT C.R.ICARAI BRA 2:53.63 SOUTHPORT GBR 2:53.95 FRANKSTON AUS 2:57.20 ALICE KINNAIRD HELEN WHITE MARGARET LANGDON LOIS DENNINGTON SOIK HELLAS SWE 2:59.52 KERSTIN GJORES REIJA REINI MARGARETA RAINER MARIANNE GRANE KINGS CORMORANT GBR 2:59.85 HAKUYO S JPN 3:00.80 MITSUKO HAYASHI SHOUKO KAWASAKI FUMIKO NAKAMURA KEIKO KADOKURA	SHIGEKO TANAKA OAHU KIOICHO JPN 3:27.41 TOSHIKO SHIMIZU TOSHIE YOSHIDA TSURUYO TANAKA KIYOE KOYAMA OAHU KIOICHO JPN 3:28.71 EIKO MIWA NORIKO YATSUNAMI AKIKO ONOHARA YOUKO KASHIWA C.R.ICARAI BRA 3:28.75 BERLINER TSC GER 3:35.23 WALTRAUD KOMLING CHRISTINE STAPEL LORE LERCH INGRID ROTHE-DAY AGE 320-359 FMM USA 4:35.91 REGAN KENNER GERTRUD ZINT JUNE REYNOLDS MARIANNE VANN SAPPORO MST JPN 5:01.64 SETSUOKO NARITA NAKA FUKUOKA YAE MUROI TSUYA KAWAMURA YOKOHAMA SUIEIK JPN 6:42.13 KIMIKO SHINOHARA MICHIKO TEJIMA TOSHIKO AMANO CHIYOKO TAKIZAWA ***** RELAYS: M E N 200 M. FREE ***** AGE 100-119 LYON NATATION FRA 1:35.18 DAMIEN CHAMBON S.DE BATTISTI NICOLAS CANIVET PIERRE CHAMBON USG DEN 1:35.84 HENRIK ANDERSEN GORAN TUFEEKOVIC JAKOB SCHMIDT TOMMY RASMUSSEN CURITIBAN BRA 1:37.18 LUCIANO DAGOSTINI FREDERICO LACERDA MAURICIO NIWA LEONARDO GOMES FORMULA ACAD BRA 1:37.67 FERNANDO SCHERER PAULO HORMOS DENNY CIMATTI ALEXANDRE REHERER TAJIRI-CHO SUIR JPN 1:38.74 KEISUKE NAGATO DAISUKE TSUJIMOTO HIROSHI YAMABE KOHEI UNO NEPTUNE CLUB FRA 1:39.41 VINCENT TURPIN FRANCK LAVIEILLE TRISTAN WAGNER GREGORIE LARTIGOT USG2 DEN 1:40.34 ANDERS JORGENSEN JOHAN BERGENDORFF JACOB NIELSEN LAUST NIELSEN US VILEJUIF FRA 1:40.35 CHRISTO MAZUBERT FENACK CHAUVIN BORIS DUTHOY
AGE 120-159 OTTER GBR 2:06.91 TEAM DASH JPN 2:07.07 YAYOI SAKAMOTO MIHO OKUHARA YOKO YAMAGUCHI YUKIKO OZAWA TOTNES GBR 2:11.67 NTMC CAN 2:12.46 JANET MAYVILLE JANET CHVATAL MIRAJANA PRIMORAC G.GRAVELINE ISTRES SPORT FRA 2:13.09 MAGALI HOULES KARINE BREMOND V.GASTALDELLO CECILE AUBERT AINOSENSHI JPN 2:13.25 YUKI WAKUI TOMOKO WATANABE MIKI TAKAYAMA CHIYOMI TANAKA SILVER CITY BLU GBR 2:13.66 C.EDWARDIANS GBR 2:15.45 MILTON KEYNES GBR 2:15.70 LINKOPINKS SWE 2:16.05 ANKE KNOPPLER JESSICA NILSSON ANETTE PHILIPSSON ANNIKA JOHANSSON	AGE 200-239 NEM USA 2:20.32 JOEL FELDMANN BARBARA HUMMEL JACKI HIRSTY TRACY GRILLI FHM BIRMINGHAM GBR 2:28.65 CN MARSEILLE FRA 2:31.82 SOPHIE RAMOGER AGNES MASSIMELLI MARIE ABIHSSIRA CATHERINE VERANE LYNGBY DEN 2:33.73 E.KETELSEN CECILIA MAUNSBACH PIA ANDERSEN GRETHE BENDTSEN CITY OF DERBY GBR 2:34.44 BARNET COPTHALL GBR 2:35.94 CHIBAS SPORTS JPN 2:36.18 CHIEKO MISUDA EMIKO AZEGAMI MUTSUOKO ISHII ETSUKO OGAWA PSV NED 2:36.95 SASKIA PHAFF INEKE WEEKERS ANS HOOFT LOTTIE GEURTS	AGE 280-319 ARIZ USA 3:01.44 NANCY KINNEY CAROL TAYLOR GAIL ROPER SALLY BOLAR ISLAND TAKATSUK JPN 3:07.77 KEIKO FUJIMOTO KAZUMI KUWATA HISAKO SATO KIYOKO IKEUCHI SWIM 100NOKAI K JPN 3:08.59 KAZUKO TAGUCHI KAZUYO SAKURAI H.MINAMIGUCHI CHIE TANI SC DUSSELDORF GER 3:16.74 INGRID LANGE INGEBORG FRITZE HEIDI GUHL U.MEYER-TONDORF WIN FUKUSHIMA JPN 3:17.18 AIKO GOTO YOKO SAKUMA YOSHIKO ITO YOSHIKO SATO SUNWAY YOKOHAMA JPN 3:21.71 TOMOYO KITAZAWA MASAE KURATA SHOKO YONEZAWA	

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GREGORY MAZERIS ISF USA 1:41.44	KENTH STENBACK JAN-OLOF SVENSSON PETER PETTERSSON ANTE ZAKRISSON PEMBROKE GBR 1:44.90	AGE 240-279 SOIK HELLAS SWE 1:55.68 ROLF TEGEBACK BENGT FURBERG INGVAR ERIKSSON PETER BERGEGREN FHM BIRMINGHAM GBR 1:57.28	C.R. ICARAI BRA 2:29.46 SETAGAYA MST JPN 2:29.98 HIDEYA FUJII NAOKI MIYAGI IWAO NARUSE KINEO MATSUDA
DDO CAN 1:41.62 P. POMINVILLE ERIC QUANE MICHAEL KEHLE JP RICHARD	TABY SIM SWE 1:44.98 DAN ANDERBERG P. VAN SCHOUTZ BENGT OLSSON HARALD KRUGER GEIEG ESP 1:45.11 COLL SANCHEZ OLLER PRESAS GSM USA 1:45.45 TOM GEIMAN ROBERT GANNON DAREK HAHN STEVE HILTABIDDLE HALIFAX GBR 1:45.62 NEM USA 1:45.67 MICHAEL YUNKER FRED MYERS MARK MITSCH RICHARD LANDRY	TRAFFORD METRO GBR 1:58.45 SV SCHWABISCH GER 1:59.61 SIEGFRIED WENDEL MANFRED BIHR GERHARD BUTTNER ROLAND AUBELE HAKUYO S JPN 2:01.51 HIROSHI NONAKA SEIKO OKAZAKI NORIAKI IKEDA TAKASHI TERAKOSHI ISLAND TAKATSUK JPN 2:02.21 MITSURU MIYAKE TETSUYA YAMAMOTO KIYOJI AMANO SHINGO YAMAMOTO KIMITSU MSC JPN 2:03.22 ATSUO MIYAKE TADSAHI IWAMOTO TATSUO MUTA MASATO YOSHINO AMTV HAMBURG 18 GER 2:03.99 HEINZ JENSEN KARL-LUDWIG REHN RUDIGER BAHR M. GREBENSTEIN RHENANIA KOLN GER 2:04.45 ERICH GIDEON RUDI BECKER MILLI SCHRODER PAUL ILKOW ACAD DA PRAIA BRA 2:04.59	AGE 320-359 JUEI CLUB JPN 2:23.25 SHOICHI SHIDA KEIJIRO NAKAMURA KATSUZO SHIRAYAMA ISAMU TAMURA TWIN TOWNS AUS 2:50.24 ARTHUR THOMAS GEORGE CORONES JOHN ASHLEY DAVID HAYNES IBARAKI SC JPN 2:50.63 Y. KAWABATA KENZO UEMURA KINNO SUKE SASAI RYUJI FUJIKAWA SOIK HELLAS SWE 3:04.71 GEORGE WITTLOCK NILS FERM LENNART INGMO RUNE NILSSON MESC USA 3:54.67 CLAUDE BONANG ARNIE GREEN NORMAN SEAGRAVE JOHN WOODS C.R. ICARAI BRA 4:38.64
AGE 120-159 ASV WUPPERTAL GER 1:39.40 JOCHEN BRUHA MATTHIAS MILLERS TOBIAS HAHN MICHAEL HANSTEIN LEOPOLDINA BRA 1:39.44 DIEGO LEVIN ANGELO CALEFF RODRIGO SCHMIDT TIAGO NESSY STOCKHOLMS KK SWE 1:39.75 BJORN MOLLER PER HELGESSON MATS NORLIN FREDRIK ROSENHOLM SK LAXEN SWE 1:40.15 HASSE NILSSON FREDRIK ISAKSSON JONAS ANDERSSON GROAN GUSTAVSSON SCHWIMMTEAM - C GER 1:40.17 ROBERT KROLL STEV THELOKE FRANK RIEDEL OLIVER HELMICH AC BOULOGNE BIL FRA 1:40.18 ERIC HUYNH J. ANDRE MELLADO REMY DELEPOULLE OLIVIER FAYOLLE AVIRON BAYONNAI FRA 1:40.91 DAVID DUBES CHRIS CHAMOULEAU C. ATTRAIT MARC MUGUET WITH H JPN 1:41.05 NORIYUKI KAGAMI HIROYUKI NAKAMURA AKIRA INADA NORIHISA KAJITANI AQUA CL PONTAUL FRA 1:41.11 OLIVIER CLAYER OLIVIER BERTHON THIERRY LEMAITRE CHRISTOPHE IMBERT ASS DEN 1:41.35 ALEKS DANMARK TROELS NIELSEN THOMAS POULSEN MORTEN ANCKER	AGE 200-239 RHMS USA 1:48.84 ERIC VAN BOER DON DAVIS BILL ADKISON KEN ERICSSON ICHIKAWA AC JPN 1:50.61 KAZUKI YUZAWA TOMOYASU IIDA TSUYOSHI KOBARA TAKEO HIRAMOTO BORDEAUX ET FRA 1:51.52 STEPHANE HUGOT THIERRY SICARD GERARD LONNE RAYMOND LONNE CN MARSEILLE FRA 1:53.18 NICOLAS POISSIER GEORGES KOESSLER HENRI VIDIL JEAN BATTILANA T.C. CAMPINAS BRA 1:53.59 JOSE FERREIRA CESAR VIEIRA MARCIO SILVA PAULO MOTTA TOTO DOLPHIN CL JPN 1:53.66 AKIHITO FUKUZAKI TETSURO MIKI SHIGEKI USUI KOJI IWAMOTO SC HUMBOLDT UNI GER 1:54.09 RALF SCHULZ GUNTHER PACKENIUS LOTHAR AHLEMAN LUTZ UNGER BARNET COPTHALL GBR 1:54.24 USG DEN 1:54.35 EBBE RASMUSSEN LARS BYRON J. LARSEN PERERSEN BIERING-SORENSEN ANDERNOS ESPAD FRA 1:54.76 JACQUES LABOUTE ERIC CASPAR YVES LAPORTE MEDHI RAJADE	AGE 280-319 FLUMINENSE F.C. BRA 2:14.62 ARAM BOGHOSSIAN ZAVEN BOGHOSSIAN SAUL BIRMAM JOSE FERRAZ SG REMSCHEID GER 2:15.78 ERICH DILFER MANFRED BICKEL GUNTHER UNKEL HERBERT HAUPT SK RAN SWE 2:17.42 TORE PERSSON INGE BLOMQVIST ALLAN ANDERSSON LENNART BROCK SSV LEUTZSCH LE GER 2:18.99 WALTER LEX GOTTFRIED KLARING JOACHIM HEROLD WOLFGANG SIEBER HAKUYO S JPN 2:19.01 K. HIROSHIMA SADAYUKI WAKAI TOSHIMI INATOMI TOSHIYASU INUKAI RAN DEN 2:22.19 KSG SUIZU SS HO JPN 2:26.89 AKIO IGAKI SHOJI IKEDA KOJI SASAHARA H. YASUNARI FHM BIRMINGHAM GBR 2:28.88	***** RELAYS: M E N 200 M. MEDLEY ***** AGE 100-119 LYON NATATION FRA 1:43.87 S. DE BATTISTI NICOLAS CANIVET AURELIEN COQ DAMIEN CHAMBON BERLINER TSC GER 1:48.27 HENDRIK FRITZ MATTHIAS RUMPF S. SCHUNEMANN C. POLLEICHTNER WORCESTER GBR 1:49.81 USG DEN 1:51.22 LAUST NIELSEN JACOB NIELSEN JACOB JORGENSEN ANDERS JORGENSEN ETOB CAN 1:52.67 BO WEST NEIL BAKER C. LASZKOWSKI JONATHAN HOWARD DDO CAN 1:52.93 JP RICHARD ERIC QUANE P. POMINVILLE MICHAEL KEHLE WANDSWORTH GBR 1:53.03 NEPTUNE CLUB FRA 1:53.05 VINCENT TURPIN FRANCK LAVIEILLE GREGORIE LARTIGOT TRISTAN WAGNER ISF USA 1:53.56 PATRICK MORGAN BEN CHRISTOFFEL ADAM DAWKINS
AGE 160-199 BMW USA 1:38.98 CHRIS CHALMERS THOMAS WHATLEY MICHAEL MCAWEENEY ROBERT MACKENZIE AER LINGUS IRL 1:43.10 JOHN KEALY ALAN TURNER VIVIAN MONGEY TONY MORRIS C. EDWARDS GBR 1:43.18 SK LAXEN SWE 1:43.96			

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

MARK O'MALLEY ARHUS STUD DEN 1:54.15 KENNETH SEJR DAN BANG KRISTIAN GRONBAEK TROELS NIELSEN	DEREK MURCHIE DOUG VANDERBY JOHN SCOTT CHRIS THOMPSON HADRIAN MASTERS GBR 1:57.62 AER LINGUS IRE 1:57.76 JOHN KEALY ALAN TURNER VIVIAN MONGEY TONY MORRIS SOIK HELLAS SWE 1:58.45 MATS RUBERTSON G. CHRISTIANSEN ULF HAUSSMAN BOSSE FOGELBERG F. HILLINGDON GBR 1:58.83 BLUE DOLPHINS JPN 1:59.28 HIROTAKE EDA YASUO NARUSHIMA TAKESHI YOSHIDA KIICHI TOMINAGA HALIFAX GBR 1:59.38	INGVAR ERIKSSON BO LJUNGBERG HAKUYO S JPN 2:16.43 HIROSHI NONAKA SEIKO OKAZAKI TAKASHI TERAKOSHI NORIAKI IKEDA SOUTHPORT GBR 2:20.74 ACAD. DA PRAIA BRA 2:21.08 SV SCHWABISCH GER 2:21.14 WERNER SIEGLE ROLAND AUBELE WOLFGANG PATZKE MANFRED BIHR SSV LEUTZSCH LE GER 2:21.16 HORST RIEDEL JURGEN SCHUBERT G. KALLENBACH MARTIN KLINK CLUB NAGI ESP 2:22.15 STEUDEL DIECKHOFF CLARET CULEBRAS SG SCHONEBERG GER 2:22.88 JOACHIM SCHULZE HARTMUT LEMCKE WOLFGANG HOPP JOHANN TEKKE AMTV HAMBURG 18 GER 2:23.02 M. GREBENSTEIN HEINZ JENSEN RÜDIGER BÄHR KARL-LUDWIG REHN	KLAUS STAPEL HORST FRITSCHKE ST FUJIEDERA JPN 2:55.35 Y. KAWAMURA M. KANESAKI TADAHIKO SAKATANI YUJI IWANE AGE 320-359 JUEI CLUB JPN 2:55.82 KEIJIRO NAKAMURA KATSUZO SHIRAYAMA SHOICHI SHIDA ISAMU TAMURA IBARAKI SC JPN 3:33.78 RYUJI FUJIKAWA Y. KAWABATA Y. MOTOMURA KENZO UEMURA ISLAND TAKATSUK JPN 3:42.27 KOTARO MAEDA YOSHIKI MARUOKA YUTAKA MORTIA SHINGO YAMAMOTO FLUMINENSE F.C. BRA 4:44.84 ***** RELAYS: MIXED 200 M. FREE ***** AGE 100-119 SK RAN SWE 1:44.13 TINO CUSTANCE MARCUS BORG NATALIE ANDERSSON PERNILLA KULLMAN OTTER GBR 1:48.06 LA CHAUZ-DE-FON SUI 1:49.97 CHIMENE GOSTELI C. MONTANDON LIONEL VOIROL ALEXIS MANAIGO READING GBR 1:50.04 TEAM DASH JPN 1:50.34 SHOGO HIBARA TAKESHI NAKAZATO KIYOMI KANAYA YAYOI SAKAMOTO NEPTUNE CLUB FRA 1:50.87 VINCENT TURPIN NOLWENN LE GRAND ISAB GOLDSPIEGEL GREGORIE LARTIGOT ASPTT TOULOUSE FRA 1:51.22 SEB BOULAROUAH AUDREY PILORGET ALEXANDRA CADENE MOHAMED BELHIMER METR USA 1:51.68 CHRIS CIFARELLI MEGHAN HAST LAURA ALONSO DAVID FIGUR CIA ATLETICA BRA 1:51.77 JOAO CANCELA DENISE COSCRATO RENATA PAIVA MARCELO LIMA C.R. FLAMENGO BRA 1:52.22 AGE 120-159 TEAM DASH JPN 1:43.34 HIDEAKI TOGO HIDEAKI OGAWA MIHO OKUHARA YUKIKO OZAWA
AGE 120-159 WITH H JPN 1:49.96 NORIYUKI KAGAMI TETSUO IWASKI HIROYUKI NAKAMURA NORIHISA KAJITANI STOCKHOLMS KK SWE 1:51.55 PER HELGESSON PER NORLIN ERIK RUNDFELDT BJORN MOLLER STOCKHOLMS SWE 1:51.98 MATS NORLIN FREDRIK ROSENHOLM NIKLAS EGMAR HENRIK WAHLBERG ASS DEN 1:52.12 ALEKS DANMARK MORTEN ANCKER KRISTIAN GRONBAEK TROELS NIELSEN AC BOULOGNE FRA 1:52.45 REMY DELEPOULLE J. ANDRE MELLADO OLIVIER FAYOLLE ERIC HUYNH SV GODESBERG GER 1:52.86 RAINER BUCHHOLZ OLIVER DELLSCHAU NICOLAY KLAPKAREK MICHAEL NEUSSER SK LAXEN SWE 1:53.09 FREDRIK ISAKSSON GORAN GUSTAVSSON HASSE NILSSON PELLE KARLSSON ISTRES SPORT FRA 1:53.49 JEAN LENDROIT ERIC GASTALDELLO JEAN MARC DUBOIS FRANCK TAVASSO TYMS CAN 1:53.61 DAVID DOUGLAS M. WILLIAMSON ROBERT GAROFALO YENORAM SHENHAR ASV WUPPERTAL GER 1:53.63 MICHAEL HANSTEIN MATTHIAS MILLERS JOCHEN BRUHA TOBIAS HAHN	AGE 200-239 ICHIKAWA AC JPN 1:59.42 TAKEO HIRAMOTO TSUYOSHI KOBARA TOMOYASU IIDA KAZUKI YUZAWA KENILWORTH GBR 2:02.80 CN MARSEILLE FRA 2:04.60 THIERRY CHANOINE PATRICK LUSIEN GEORGES KOESSLER JEAN BATTILANA T.C. CAMPINAS BRA 2:05.59 MARCIO SILVA CESAR VIEIRA PAULO MOTTA JOSE FERREIRA GLOUCESTER GBR 2:07.98 ATLANTIS AUS 2:08.24 RONALD HARDIE PETER BRADLEY NEIL CLARKE LAURANCE BRETT SV SCHWABISCH GER 2:08.60 GERHARD BUTTNER ROLAND WENDEL MARKUS PLEHN SIEGFRIED WENDEL TIPNESS ISHIBAS JPN 2:08.86 YOSHIYUKI TANAKA TORU HANYA YOICHI MAEMURA RYOZO NAKAMURA MURASAKI SPORTS JPN 2:09.00 SHIGEO KANAI JUNYA ITO CURTIS VANHULLA YOSHIHIRO KISHI BORDEAUX ET FRA 2:09.06 CHRISTIAN PIERRAT THIERRY SICARD GERARD LONNE RAYMOND LONNE AGE 240-279 FHM BIRMINGHAM GBR 2:15.14 SOIK HELLAS SWE 2:15.85 ERIK FORSLUND MATTHIAS KRONER	AGE 280-319 NCMS USA 2:24.26 CLARKE MITCHELL JOHN KORTHEUER RICHARD KITCHELL DICK WEBBER FLUMINENSE F.C. BRA 2:34.63 ZAVEN BOGHOSSIAN SAUL BIRMAM JOSE FERRAZ ARAM BOGHOSSIAN SK RAN2 SWE 2:35.58 ALLAN ANDERSSON LENNART BROCK TORE PERSSON INGE BLOMQUIST SSV LEUTZSCH LE GER 2:37.80 WALTER LEX JOACHIM HEROLD WOLFGANG SIEBER GOTTFRIED KLARING HIKARIRAKUEIKAI JPN 2:41.48 KENJI NAKAGAWA TOSHIYUKI KANO HIROKUNI FUKUOKA KENSHO ITAMOTO FHM BIRMINGHAM GBR 2:42.05 TACHIKAWASHI SU JPN 2:42.60 TSUTOMU MIYAUCHI MAKOTO KOMANO SUEO YAMAGUCHI YUSUKE SAYAMA KAMAKURA MSC JPN 2:49.74 MINORU UEMURA TAKAO TSUCHIYA YOSHIHIRO NAKANO SATOSHI TOKUSHIGE BERLINER TSC GER 2:51.31 K. SCHNEIDER GERHARD HUBNER	***** RELAYS: MIXED 200 M. FREE ***** AGE 100-119 SK RAN SWE 1:44.13 TINO CUSTANCE MARCUS BORG NATALIE ANDERSSON PERNILLA KULLMAN OTTER GBR 1:48.06 LA CHAUZ-DE-FON SUI 1:49.97 CHIMENE GOSTELI C. MONTANDON LIONEL VOIROL ALEXIS MANAIGO READING GBR 1:50.04 TEAM DASH JPN 1:50.34 SHOGO HIBARA TAKESHI NAKAZATO KIYOMI KANAYA YAYOI SAKAMOTO NEPTUNE CLUB FRA 1:50.87 VINCENT TURPIN NOLWENN LE GRAND ISAB GOLDSPIEGEL GREGORIE LARTIGOT ASPTT TOULOUSE FRA 1:51.22 SEB BOULAROUAH AUDREY PILORGET ALEXANDRA CADENE MOHAMED BELHIMER METR USA 1:51.68 CHRIS CIFARELLI MEGHAN HAST LAURA ALONSO DAVID FIGUR CIA ATLETICA BRA 1:51.77 JOAO CANCELA DENISE COSCRATO RENATA PAIVA MARCELO LIMA C.R. FLAMENGO BRA 1:52.22 AGE 120-159 TEAM DASH JPN 1:43.34 HIDEAKI TOGO HIDEAKI OGAWA MIHO OKUHARA YUKIKO OZAWA
AGE 160-199 GENEVE 1885 SUI 1:49.32 CRAIG NORREY PREBEN WARGA PHILIPPE MEYER NIGEL GOLDSWORTHY TOKYO MARINE JPN 1:51.49 SHINTARO NAGASAKI YASUHIRO KOMORI ISAMU SHIBAZAKI SEIICHI YARITA C. EDWARDS GBR 1:54.02 FRIEDRICHSHAFEN GER 1:56.03 BURKHARD HOLE ROBERT BERGER HARTMUT BERNER THILO ALBRECHT NTMC CAN 1:56.36			

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LETH CAN 1:45.29	ANITA KILLMIER	KEIKO KADOKURA	EVA-BRITT WIDAH
DEAN KONZIOLOKA	BRETT DAVIDSON	KAZUYO OHAMA	LENNART INGMO
LORI MELIEN	SOIK HELLAS SWE 1:52.96	TAKASHI TERAOKOSHI	NILS FERM
VAL WEAVER	REIJA REINI	WITCHMONSTERS JPN 2:15.75	C.R. ICARAI BRA 3:25.48
SHYANNE SHANNON	ASA VIKANDER	HIDEO TANAKA	
BERLINER TSC GER 1:45.86	G.CHRISTIANSEN	KAYOKO KOGUCHI	PC CAN 3:49.32
SANDRA THIEME	ULF HAUSMANN	MINEKO NAKAI	EUGENE LEHMAN
SYLVIA GERASCH		MITSUYA KANESAKA	ROMAN JEZEK
C.POLLEICHTNER	AGE 200-239	SOIK HELLAS2 SWE 2:17.93	E.LUTGENDORFF
HENDRIK FRITZ	SOIK HELLAS SWE 1:55.28	ROLF TEGEBACK	JULIA GULYAS
SK LAXEN SWE 1:46.00	SONJA HAGLUND	MARIANNE GRANE	FLUMINENSE F.C. BRA 3:50.70
PELLE KARLSSON	OLLE BUREBO	MARGIT OHLSSON	
A. BERGQVIST	MARJA HAGLUND	BO LJUNGBERG	SAPPORO MST JPN 3:55.89
ANNA NILSSON	PETER BERGENGREN	RISEI SC JUSO JPN 2:18.16	TAMOTSU KAWABATA
HASSE NILSSON	KENILWORTH GBR 1:59.75	AKIRA SHIMADA	TSUYA KAWAMURA
OTTER GBR 1:47.78	SP MASTERS BRA 2:01.48	YOSHIKO YOSHIMURA	SETSUKO NARITA
	CESAR VIEIRA	AKIO ARITA	AKIO IKEDA
HELNINGBORG SWE 1:47.91	FERNANDA PRADO	CHIEKO ARAI	SOIK HELLAS2 SWE 3:57.86
HELENA ABERG	SILVANA ABREU		
LARS ERICSSON	LEONIDAS OLIVEIRA	AGE 280-319	DDO CAN 4:07.00
NINA WAHLBERG	ICHIKAWA AC JPN 2:01.88	JUEI CLUB JPN 2:18.61	LILLIAN WARREN
SVERKER PERSSON	YOSHIE HARAISHI	SHOICHI SHIDA	JACK FILE
KONAMI IBARAKI JPN 1:49.41	TAKEO HIRAMOTO	TERUKO NISHISAKO	FRED WARREN
KAZUHIRO ISHIZAWA	TOMOYASU IIDA	YURIKO NAGAMATSU	SHEILA NAIMAN
TOMOKO FUKUDA	MAYUMI HIRAMOTO	KEIJIRO NAKAMURA	PREF CAMPOS\UTC BRA 5:50.66
MIKI AIHARA	CN MARSEILLE FRA 2:02.79	ISLAND TAKATSUK JPN 2:20.93	CARMELINA PAULINO
TAKEHI AKUNE	JEAN BATTILANA	KIYOJI AMANO	T.VASCONCELOS
EMSC CAN 1:49.46	SOPHIE RAMOGER	KIYOKO IKEUCHI	DURVAL CALDAS
DEBBIE YOUNGER	GEORGES KOESSLER	HISAKO SATO	NAIR SILVA
KEVIN GOLIGHTLY	ODILE GARCIN	SHINGO YAMAMOTO	
SIUBHAN DRINNAN	MANLY MASTERS AUS 2:03.00	SOIK HELLAS SWE 2:25.31	AGE 360-399
BARRY SARETSKY	SUE KEARNEY	KERSTIN GJORES	C.R. ICARAI BRA 5:19.01
TOKYO SC JPN 1:49.56	KATHERINE AHERN	ERIC FORSLUND	MANOEL LOUREIRO
JUNKO NAKANO	BARRY SEYMOUR	BRITT GRILLI	LUZIA CARACCILO
MASASHI TANIGAWA	STEPHEN LAMY	PERTER BERGENGREN	MARIA LENK
YOKO OZAKI	PRAIA CLUBE BRA 2:03.28	HAKUYO S JPN 2:30.93	GASTAO FIGUEIREDO
TOMOYUKI SATO	ALAOR VILELA	TOSHIMI INATOMI	*****
AC BOULOGNE FRA 1:49.61	L.RIBEIRO	KIMIKO YOSHINAGA	RELAYS: MIXED 200 M. MEDLEY
ERIC HUYNH	FERNANDA PRADO	FUMIKO NAKAMURA	*****
FREDERIQUE LECOQ	ARMANDO GOES	KENSUKE SATO	AGE 100-119
SANDRA MOREAU	CLUB NAGI ESP 2:03.38	FLUMINENSE F.C. BRA 2:33.49	TEAM DASH JPN 1:52.76
OLIVIER FAYOLLE	CULEBRAS	ZAVEN BOGHOSSIAN	HIDEAKI OGAWA
	BALBUENA	MARCIA RIBEIRO	HIDEAKI TOGO
AGE 160-199	BALBUENA	MARIA COSTA	YAYOI SAKAMOTO
C. EDWARDS GBR 1:49.40	CLARET	ARAM BOGHOSSIAN	MIHO OKUHARA
	ROCHDALE GBR 2:03.87	SOIK HELLAS2 SWE 2:34.24	ETOB CAN 1:54.82
VIC CAN 1:50.71	SURREY PARK AUS 2:04.16	B.HJALMARSSON	BO WEST
JUDY WOODWARD	CHRISTIE FAULKS	MARIANNE GRANE	RILEY WEST
SARAH MACDONALD	JOAN PATTERSON	GEORGE WITTLOCK	CINDY BERTELINK
DAVE CASSELS	ROBERT PATTERSON	BO AMNELL	C.LASZKOWSKI
WAYNE KELLY	MARTIN HAAGEN	C.R.FLAMENGO BRA 2:35.40	SK RAN SWE 1:58.21
BARNET COPTHALL GBR 1:50.79		VCSS CAN 2:35.44	MARCUS BORG
IFK LIDINGO SWE 1:50.86	AGE 240-279	GRANT HALL	TINO CUSTANCE
MAGNUS FALTMAN	GOLD USA 2:04.01	NORMA POWELL	PERNILLA KULLMAN
GORAN ANDERSSON	DAVID MCINTYRE	LEN COVERDALE	NATALIE ANDERSSON
YVONNE ERIKSSON	ANNE LABORWIT	BONNIE PRONK	RED-FISH SUI 1:59.91
CECILIA WANGEL	ALAN RAPPERPORT	C.R.ICARAI BRA 2:39.39	JULIEN BAILLOD
GLOUCESTER GBR 1:52.13	PEGGY MCDONNELL	BERLINER TSC GER 2:41.21	PASCAL HAEFELI
SODERTALJE SS SWE 1:52.64	SDSM USA 2:04.52	HORST FRITSCH	TAMARIS LOTTAZ
CHARLOTTE HOGUND	K PIPES-NEILSEN	INGRID ROTHE-DAY	VALENTINE FAVRE
SOFI NYGREN	DONALD BAKER	CHRISTINE STAPEL	DDO CAN 2:01.30
VEIKKO NATTOLA	LYNNE LUND	MANFRED BUSCH	JP RICHARD
RONNY OLTNER	LINUS VAN BAALEN		ERIC QUANE
BLUE DOLPHINS JPN 1:52.76	FHM BIRMINGHAM GBR 2:04.58	AGE 320-359	AMANDA MALLETT
KIICHI TOMINAGA	SOIK HELLAS SWE 2:07.29	SBM USA 2:51.05	COURTNEY PRIEUR
MASAMI HIGURASHI	HARRIET BURE	FRANK PIEMME	OTTER GBR 2:01.91
TOSHIKO ITAGAKI	MARGARETA RAINER	GRACE ALTUS	ASPTT TOULOUSE FRA 2:02.03
YASUO NARUSHIMA	BENGT FURBERG	RUTH BAAR	ALEXANDRA CADENE
TABY SIM SWE 1:52.83	ERIC FORSLUND	JURGEN SCHMIDT	SEB BOULAROUAH
DAN ANDERBERG	BARNET COPTHALL GBR 2:12.73	SUNWAY YOKOHAMA JPN 3:00.34	AUDREY PILORGET
LILIE LARSSON	KENILWORTH GBR 2:14.12	SHOGORO AZUMA	MOHAMED BELHIMER
GUNILLA RASMUSON	HAKUYO S JPN 2:15.49	MASAE KURATA	NEPTUNE CLUB FRA 2:02.29
MATHIAS SEEL	HIROSHI NAKAKA	YOKO SUGIYAMA	VINCENT TURPIN
POWERPOINTS AUS 1:52.86		MINORU NAGASHIMA	MURIEL ANDURAND
PETER RAINEY		SOIK HELLAS SWE 3:21.13	GREGORIE LARTIGOT
HELEN WHITFORD		KERSTIN GJORES	NOLWENN LE GRAND
			USG DEN 2:02.75

FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2004

SIGNE HOG M. CHRISTENSEN KENNY GLAESNER JOHAN BERGENDORFF RED-FISH2 SUI 2:03.04	SARAH MACDONALD JUDY WOODWARD WAYNE KELLY SCOTT COSPER BLUE DOLPHINS JPN 2:04.23	K PIPES-NEILSEN DONALD BAKER LYNNE LUND LINUS VAN BAALEN FHM BIRMINGHAM GBR 2:27.49	HELMUT HUNOLD AUGUST DEMUHS KSCOTORIWIINGSSC JPN 2:59.56
ANNICK VAUTRAVERS OLIMPIA CALIGIURI JONATHAN BANVILLE STEFAN VOLERY	MASAMI HIGURASHI YASUO NARUSHIMA TOSHIKO ITAGAKI KIICHI TOMINAGA DDO CAN 2:04.75	CN MARSEILLE FRA 2:29.21 M. NOELLE JOLLY MARIE ABIHSSIRA HENRI VIDIL GEORGES KOESSLER BARNET COPHTALL GBR 2:30.39	MICHIKO HAMURO KAYAKO HIROSE TOSHIO TAJIMA HIROYASU HAYASHI WCM USA 3:01.83
AGE 120-159 BERLINER TSC GER 1:55.14 HENDRIK FRITZ SYLVIA GERASCH S. SCHUNEMANN SANDRA THIEME ISTRES SPORT FRA 1:57.94	FRANCOIS GAUVIN E. HAKANSSON P. POMINVILLE PILAR AVRITH VARBERG SIM SWE 2:05.12	TYMS CAN 2:32.47 M. VON RICHTHOFEN WALLY HENNE SUE WEIR CHRISTOPHER SMITH SOIK HELLAS SWE 2:33.82	ROBERT MAYO ANN HIRSCH STAN MORNOR DONNA MONROE ISLAND TAKATSUK JPN 3:01.85
FRANCK TAVASSO KARINE BREMOND JEAN MARC DUBOIS V. GASTALDELLO LETH CAN 1:59.43	POST LEIPZIG GER 2:05.71 PEPQY KOLOUKS JENS LUTSCHIN HEIKE HANDEL ANDREAS KOPPING KENILWORTH GBR 2:05.90	INGVAR ERIKSSON KERSTIN GJORES OAHU KIOICHO JPN 2:35.70 YOSHIMI MORITA TERUO IWATA HARUMI SUGIMOTO YASUO KANAI NORTH SHORE NZL 2:37.09	KEIKO FUJIMOTO YOSHIKI MARUOKA HISAKO SATO Y. TAKASAKI AGE 320-359 SUNWAY YOKOHAMA JPN 3:21.16
LORI MELIEN JANICE HUTTON VAL WEAVER DEAN KONDZIOLOKA OTTER GBR 2:00.42	AGE 200-239 SAO PAULO BRA 2:10.90 AROMA MARTORELL SILVANA ABREU CESAR VIEIRA LEONIDAS OLIVEIRA SOIK HELLAS SWE 2:10.97	HANS LJUNGBERG HARRIET BURE INGVAR ERIKSSON KERSTIN GJORES OAHU KIOICHO JPN 2:35.70 YOSHIMI MORITA TERUO IWATA HARUMI SUGIMOTO YASUO KANAI NORTH SHORE NZL 2:37.09	SHOGORO AZUMA Y. MIYAMOTO SHOKO YONEZAWA MASAE KURATA SBM USA 3:35.60
WITH H JPN 2:00.55 NORIKO OSUGI TETSUO IWAKI HIROYUKI NAKAMURA HARUKA ASUWA METR USA 2:01.42	SC DUSSELDORF GER 2:13.77 BARBIE TIMMER KARIN WILK ERNST DENZER WILLI STOLZE ROCHDALE GBR 2:14.23	SUE POLLARD DON BIDWELL IAN GUNTHORP JULIE GUNTHORP TECH CAN 2:37.25 DOUG BISHOP MIKE OLSEN KATHY MILNE PAT NIBLETT FC TOKYO DOME JPN 2:38.37	RUTH BAAR FRANK PIEMME JURGEN SCHMIDT GRACE ALTUS C. R. ICARAI BRA 3:59.52
JACK MACKENROTH TODD COOPER LAURA ALONSO SK LAXEN SWE 2:01.44	MARGARETA RAINER SC DUSSELDORF GER 2:13.77 BARBIE TIMMER KARIN WILK ERNST DENZER WILLI STOLZE ROCHDALE GBR 2:14.23	YUMI SUZUKI TERUO YOSHIMURA MASUO ZAITSU KII SAITO AGE 280-319 JUEI CLUB JPN 2:43.98	EVA TORNGREN LENNART INGMO MARIANNE GRANE GEORGE WITTLCK SAPPORO MST JPN 4:50.93
A. GUSTAVSSON GORAN GUSTAVSSON PERNILLA MARCUS HASSE NILSSON BMW USA 2:01.48	CLUB NAGI ESP 2:16.68 CULEBRAS BALBUENA CLARET BALBUENA ICHIKAWA AC JPN 2:16.85	MASUO ZAITSU KII SAITO AGE 280-319 JUEI CLUB JPN 2:43.98 KEIJIRO NAKAMURA TERUKO NISHISAKO SHOSHIN MORI YURIKO NAGAMATSU VCSS CAN 2:53.85	YASUO MASUKI TSUYA KAWAMURA FUMI MURATA TAMOTSU KAWABATA PREF. CAMPOS\UTC BRA 6:03.52
MICHAEL KIEDEL ERIK HEBERT BECKY CROWE-HILL TRACI KREPPPEL ASS DEN 2:02.52	ROCHDALE GBR 2:14.23 CLUB NAGI ESP 2:16.68 CULEBRAS BALBUENA CLARET BALBUENA ICHIKAWA AC JPN 2:16.85	KEIJIRO NAKAMURA TERUKO NISHISAKO SHOSHIN MORI YURIKO NAGAMATSU VCSS CAN 2:53.85 BONNIE PRONK NORMA POWELL GRANT HALL LEN COVERDALE SOIK HELLAS SWE 2:54.75	CARMELINA PAULINO DURVAL CALDAS NAIR SILVA T. VASCONCELOS DDO CAN 6:15.41
KIRSTEN JENSEN MORTEN ANCKER KRISTJAN GRONBECH METTE EBBESEN TOKYO SC JPN 2:02.58	TAKEO HIRAMOTO YOSHIE HIRAISHI TOMOYASU IIDA MAYUMI HIRAMOTO VIC CAN 2:16.93	LEN COVERDALE SOIK HELLAS SWE 2:54.75 MARIANNE GRANE MATTIAS KRONER BO AMNELL EVA-BRITT WIDAH OAHU KIOICHO JPN 2:55.40	MAIE KEROUACK
YOKO OZAKI MASASHI TANIGAWA TOMOYUKI SATO AGE 160-199 NTMC CAN 1:59.40	R. ZAJCHOWSKI DANIELLE BRAULT LINDA OWEN ROD CARMICHAEL CN MARSEILLE FRA 2:18.01	MASAYASU KAMIYA TOSHIE YOSHIDA MASARU IGARASHI NORIKO YATSUNAMI FACT USA 2:56.74	
DEREK MURCHIE JUDIE GARAY JOHN SCOTT KATIE OSBORNE C. EDWARDS GBR 2:01.68	SOPHIE RAMOGER PATRICK AUDOUARD PATRICK LUSIEN CATHERINE VERANE NEM USA 2:18.35	BUNNY CEDERLUND MEEGAN WILSON DREN GEER ROBERT SIGERSMITH FLUMINENSE F.C. BRA 2:57.07	
SODERTALJE SWE 2:03.22 CHARLOTTE HUGLUND RONNY OLTNER SOFI NYGREN VEIKKO MATTOLA IFK LIDINGO SWE 2:03.44	SUSAN KETCHEN CHRIS HAFFERTY BARB HANDLER LARRY HINELINE AKMS USA 2:19.81	MARCIA RIBEIRO MARIA COSTA ARAM BOGHOSSIAN ZAVEN BOGHOSSIAN SV BLAU-WEISS GER 2:58.62	
YVONNE ERIKSSON MAGNUS FALTMANN GORAN ANDERSSON CECILIA WANGEL VIC CAN 2:04.05	AGE 240-279 SDSM USA 2:25.60	WALTRAUD MONSTADT I. KEUSCH-RENNER	