



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

WOMEN 25-29

50 M. FREE		1:04.58	EMA KOBAYASHI	JPN	2:30.50	LAURA VD BERG	NED	4:37.97	EBBA ROSENQUIST	SWE
25.33 M.LETANG	FRA	1:04.62	VIVIANA VISCARDI	ITA	2:31.31	GIADA CANAVESI	ITA	4:38.52	LAURA MOLYNEAUX	GBR
25.46 JENNIFER THATER	GER	1:05.50	LINDA LONZARDI	ITA	2:32.13	ROSA BRUZZANO	ITA	4:39.42	LAURA CONFOLANT	FRA
25.59 YAYOI MATSUMOTO	JPN	1:05.51	MABEL SULIC	NED	2:32.76	MACKENZIE M LEAKE	USA	800 M. FREE		
26.01 M.JOHANNESSEN	NOR	1:05.57	VALENTINA LUCCONI	ITA	100 M. I.M.			9:29.26	VIKTORIA FELFOLDI	HUN
26.07 SASKIA DE KLERK	SUI	1:05.98	LARA KAUFMANN	GER	1:01.79	MASAKO KUROKI	JPN	9:31.41	VERONICA BALSANO	BRA
26.11 FANNI PATAKI	HUN	1:06.00	LINE LOVBERG	NOR	1:04.29	KATHRYN JOHNSTONE	GBR	9:31.58	VESNA STOJANOVSKA	USA
26.29 M.JOHANSSON	SWE	1:06.35	LUIZA VIEIRA	BRA	1:04.97	ALISA RIEBENSAHM	GER	9:33.16	KATHRYN GILL	GBR
26.88 JOANNA W WU	USA	1:06.66	SASKIA DONAT	GER	1:05.17	SASKIA DE KLERK	SUI	9:39.91	JUSTINE CLARK	GBR
26.88 NADJA SALOMONSSON	SWE	200 M. BACK			1:05.40	M.JEAN-LACHAPELLE	CAN	9:42.79	K.WALKER-STABELER	GBR
27.02 RUTH MILLER	GBR	2:20.40	INGE ARTS	NED	1:05.57	EVGENIYA ZUBANOVA	RUS	9:43.68	SABINE ZIMMERMANN	GER
100 M. FREE		2:23.11	MABEL SULIC	NED	1:05.68	TAKIMOTO AYAKO	JPN	9:47.51	SARAH ROBERTS	GBR
54.44 YAYOI MATSUMOTO	JPN	2:23.42	LISA STAMM	GER	1:06.11	PATRICIA GONZALEZ	ESP	9:47.59	TANIA SPICOLA	ITA
56.26 M.LETANG	FRA	2:23.50	VIVIANA VISCARDI	ITA	1:06.39	NADJA SALOMONSSON	SWE	9:47.96	EMILY S PARKER	USA
56.52 JENNIFER THATER	GER	2:23.53	VALENTINA PANUNZI	ITA	1:06.40	MABEL SULIC	NED	1500 M. FREE		
56.93 SHIHO MATSUDA	JPN	2:25.13	F.BRAGHINI	ITA	200 M. I.M.			18:04.83	VIKTORIA FELFOLDI	HUN
57.57 SASKIA DE KLERK	SUI	2:25.39	HIKARU IWATA	JPN	2:19.52	SOFIA STRIPPOLI	ITA	18:33.52	EMILY S PARKER	USA
57.75 SITA KUSSEROW	GER	2:25.69	KATRINE SORENSEN	DEN	2:20.97	KATRINE SORENSEN	DEN	18:37.94	SARAH ROBERTS	GBR
58.85 TESSA BROUWER	NED	2:25.91	VANIA NEVES	POR	2:21.39	INGE ARTS	NED	18:51.87	MEGAN WELLS	AUS
59.05 SORAIA RIBEIRO	POR	2:26.07	JENNIFER DAVIS	GBR	2:22.07	ALISA RIEBENSAHM	GER	18:52.20	A.DIMITRESCU	CAN
59.06 NADJA SALOMONSSON	SWE	50 M. BRST			2:25.37	PATRICIA GONZALEZ	ESP	18:56.99	L.ANDEWEG	NED
59.09 VIVIANA VISCARDI	ITA	31.66	KATHRYN JOHNSTONE	GBR	2:25.39	MIYAKO OSHIMA	JPN	18:59.75	SARA E HOLMAN	USA
200 M. FREE		31.85	M.JEAN-LACHAPELLE	CAN	2:25.59	VALENTINA PANUNZI	ITA	19:03.69	HOLLY MOORE	GBR
1:59.61 YAYOI MATSUMOTO	JPN	32.13	A.SESOROVA	RUS	2:25.77	VICTORIA RUNG	NOR	19:06.34	GIOVANNI DI	ITA
2:06.19 PAULINE VANET	FRA	33.03	ANNA DIAGO	ESP	2:25.86	COURTNEY RANDOLPH	USA	19:08.09	IRA UUSOKSA	FIN
2:07.87 INGE ARTS	NED	33.09	TRINE OLSEN	NOR	2:26.08	YVON VERSTEEG	NED	50 M. BACK		
2:09.28 SARA ROTONDI	ITA	33.13	YUKARI SAKATA	JPN	400 M. I.M.			29.41	RYO SAWADA	JPN
2:09.92 ANNKA HODAPP	GER	33.17	SASKIA DE KLERK	SUI	5:03.09	LISA STAMM	GER	29.56	RENATA MARTINS	BRA
2:09.93 KANAKO TAYAMA	JPN	33.28	REKA PECZ	HUN	5:04.91	VALENTINA PANUNZI	ITA	29.97	ESTEFANIA MILANEZ	BRA
2:10.17 JEANETTE DIETRICH	GER	33.29	MOEKA WASHINO	JPN	5:04.93	PAULINE VANET	FRA	30.34	JULIE LAUX	FRA
2:10.24 LOVISA NYMAN	SWE	33.36	ELENA LUCIANI	ITA	5:05.12	INGE ARTS	NED	30.34	VERONICA BALSANO	BRA
2:10.40 SORAIA RIBEIRO	POR	100 M. BRST			5:06.96	COURTNEY RANDOLPH	USA	30.47	V.EHRENBAUER	GER
2:10.45 LARA KAUFMANN	GER	1:07.42	KATHRYN JOHNSTONE	GBR	5:10.52	UEDA NAMIKI	JPN	30.50	SVETLANA BERKOVA	RUS
400 M. FREE		1:10.78	MASAKO KUROKI	JPN	5:16.38	LAURA PEREZ	ESP	31.00	EVY WITLOX	NED
4:25.58 PAULINE VANET	FRA	1:11.31	YUKARI SAKATA	JPN	5:17.46	MACKENZIE M LEAKE	USA	31.02	KORNELIA SAAL	GER
4:33.46 KANAKO TAYAMA	JPN	1:11.50	ANNA DIAGO	ESP	5:17.67	NADIA PIAZZOLLA	ITA	31.18	LUDMILA RADKEVICH	UKR
4:33.90 LOVISA NYMAN	SWE	1:11.68	M.JEAN-LACHAPELLE	CAN	5:18.36	MAAIKE VOOREN	NED	31.18	CAITLIN BERRY	CAN
4:34.26 HANNAH MUNDAY	GBR	1:12.08	PATRICIA GONZALEZ	ESP	*****			100 M. BACK		
4:34.36 COURTNEY RANDOLPH	USA	1:12.22	REKA PRCZ	HUN	*****			1:02.26	MARIA UGOLKOVA	SUI
4:36.36 CHIARI ABIKO	JPN	1:12.70	ELENA LUCIANI	ITA	*****			1:04.31	V.EHRENBAUER	GER
4:36.91 MAAIKE VOOREN	NED	1:12.95	TRINE OLSEN	NOR	*****			1:04.57	BETTINA MERKLE	GER
4:39.28 ERIKA AUDASSO	ITA	1:13.13	KATRINE JENSEN	NOR	50 M. FREE			1:04.79	VERONICA BALSANO	BRA
4:39.69 MARTINA GUARESCHI	ITA	200 M. BRST			25.66	HANNAH KEEN	GBR	1:05.81	JULIE LAUX	FRA
4:40.15 SARA ROTONDI	ITA	2:31.30	KATHRYN JOHNSTONE	GBR	26.43	LETIANA TELLES	BRA	1:06.30	EVY WITLOX	NED
800 M. FREE		2:35.99	REKA PRCZ	HUN	26.46	REGINA SYCH	RUS	1:06.85	YUKA ONOGUCHI	JPN
9:26.52 MARTINA GUARESCHI	ITA	2:36.48	ANNA DIAGO	ESP	26.59	NADINE LOOF	AUS	1:06.90	ESTEFANIA MILANEZ	BRA
9:29.92 MAAIKE VOOREN	NED	2:39.69	NAMI SAKIO	JPN	26.82	NADINE STRESING	GER	1:07.09	HEIDI GJOEN	NOR
9:38.37 LOVISA NYMAN	SWE	2:40.69	A.GOGOLEVA	RUS	26.88	RIE NAKAGAMI	JPN	1:07.11	SAMANTHA EAGLE	GBR
9:38.52 RAQUEL PEREZ	ESP	2:41.11	JOANA MAIA	POR	26.89	AUDREY LOMBARD	FRA	200 M. BACK		
9:38.64 LAUREN AISBITT	GBR	2:41.96	KATIE MCEVOY	CAN	26.92	RENATA MARTINS	SWE	2:15.54	SOPHIE CASSON	GBR
9:40.57 MACKENZIE M LEAKE	USA	2:42.29	YVON VERSTEEG	NED	26.98	SUSIE MOONAN	BRA	2:20.92	ROBERTA IOPI	ITA
9:40.62 LEILA PASQUIOU	FRA	2:44.37	CHANTAL VD HORST	NED	27.01	ANNA POLYAKOVA	RUS	2:24.57	JULIE LAUX	FRA
9:43.60 DENISE GRUHN	GER	2:44.45	CARLY FRASER	GBR	100 M. FREE			2:25.34	EVY WITLOX	NED
9:48.89 OLGA BORDATCHEVA	CAN	50 M. FLY			55.03	MARIA UGOLKOVA	SUI	2:25.88	T.BENISON	CAN
9:49.53 JANNE BADEN	GER	27.35	M.JOHANNESSEN	NOR	56.73	VERONICA BALSANO	BRA	2:26.35	KELLY MCINTOSH	GBR
1500 M. FREE		27.52	SHIHO MATSUDA	JPN	57.79	REGINA SYCH	RUS	2:28.37	J.SCHAUWECKER	USA
17:35.74 PAULINE VANET	FRA	27.91	ARMONY DUMUR	FRA	57.93	HANNAH KEEN	GBR	2:28.44	VIKTORIA FELFOLDI	HUN
17:39.31 ALLISON A ARNOLD	USA	27.99	M.JOHANSSON	SWE	58.37	SOPHIE CASSON	GBR	2:29.05	CARLY CERMAK	CAN
18:06.35 RAQUEL PEREZ	ESP	28.01	EVGENIYA ZUBANOVA	RUS	58.38	AUDREY LOMBARD	FRA	2:29.46	MARISSA L CLAPP	USA
18:15.31 MAAIKE VOOREN	NED	28.02	ALISA RIEBENSAHM	GER	58.43	ANNA POLYAKOVA	RUS	50 M. BRST		
18:45.49 HILARY OTTAVIANO	USA	28.04	FANNI PATAKI	HUN	58.80	NADINE STRESING	GER	32.49	SUVI PULKKINEN	FIN
18:48.27 CLAIRE BALLESTER	FRA	28.15	JENNIFER THATER	GER	58.85	NADINE LOOF	AUS	32.74	ASAMI KITAGAWA	JPN
18:57.99 ESTIBALIZ BUGALIO	ESP	28.16	A.SERRAND-BRITTEL	FRA	59.13	ASAMI KITAGAWA	JPN	33.16	FANNY POSE	GBR
19:26.27 SONIA RUIZ	ESP	28.27	ANGELINA VANKOVA	RUS	200 M. FREE			33.35	LOES ZANDERINK	NED
19:30.65 NANDA DE VRIES	NED	100 M. FLY			2:02.55	VERONICA BALSANO	BRA	33.36	KATHRYN GILL	GBR
19:36.36 STEPHANIE RAMSAY	GBR	1:02.32	KATRINE SORENSEN	DEN	2:05.68	BETTINA MERKLE	GER	33.51	LARISSA BRAK	NED
50 M. BACK		1:03.60	JENNIFER THATER	GER	2:09.57	ANNA SPIETZACK	GER	33.55	AUDREY LOMBARD	FRA
29.24 EMA KOBAYASHI	JPN	1:03.88	LORI F LYNN	USA	2:09.72	MAYA HATANAKA	JPN	33.55	LETIANA TELLES	BRA
29.44 DORIS EICHHORN	GER	1:04.02	VICTORIA RUNG	NOR	2:10.68	T.BENISON	CAN	33.61	KATHARINA NUYEN	GER
29.82 A.POVALIY	RUS	1:04.18	JOHANNA AHMANN	GER	2:11.35	LAURA CONFOLANT	FRA	33.76	ELENA PICCARDO	ITA
29.85 G.HOHMANN	GBR	1:04.30	COLETTE GELAS	FRA	2:11.91	KATHRYN GILL	GBR	100 M. BRST		
30.02 JOANNA W WU	USA	1:04.38	CAROLINE DUMUR	FRA	2:12.29	TANIA SPICOLA	ITA	1:11.47	KATHRYN GILL	GBR
30.10 KATRINE JENSEN	NOR	1:04.85	LAETITIA DUFOUR	FRA	2:12.36	GIOVANNI DI	ITA	1:11.77	ASAMI KITAGAWA	JPN
30.29 LOUISA ZOLKIEWSKI	GBR	1:05.39	MIKI MATSUKAWA	JPN	2:12.44	VIKTORIA FELFOLDI	HUN	1:12.67	FANNY POSE	GBR
30.36 FLORENCE SIGG	SUI	1:05.40	ORSOLYA TOMPA	HUN	400 M. FREE			1:12.76	SONJA SCHOBER	GER
30.39 CLARA NUTTING	GBR	200 M. FLY			4:29.50	BETTINA MERKLE	GER	1:12.92	AMY KONOWALIK	GBR
30.47 ARMONY DUMUR	FRA	2:16.37	MASAKO KUROKI	JPN	4:30.45	SUSANA ESCOBAR	CAN	1:12.97	ELENA PICCARDO	ITA
100 M. BACK		2:18.16	SITA KUSSEROW	GER	4:34.03	CARLY CERMAK	CAN	1:13.39	CAMILLE MARCHAND	FRA
1:04.54 DORIS EICHHORN	GER	2:20.85	LISA STAMM	GER	4:34.72	ELISA MAMMI	ITA	1:13.59	CARLA VENICE	ITA
		2:21.22	PAULINE VANET	FRA	4:36.95	VIKTORIA FELFOLDI	HUN	1:14.20	KATHARINA NUYEN	GER
		2:22.55	INGE ARTS	NED	4:37.37	F.ANTONINI	ITA	1:14.32	AUDREY LOMBARD	FRA
		2:25.61	ROBYN LE FRIEC	GBR	4:37.87	KATHRYN GILL	GBR	1:14.32	LARISSA BRAK	NED



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200 M. BRST		26.09 IRINA SHLEMOVA	RUS	1:06.83 LISA CHAPMAN	GBR	100 M. I.M.	
2:35.00 KATHRYN GILL	GBR	26.18 KATJA OTTO	GER	1:07.00 DESIREE CAPP	ITA	1:05.45 GEORGINA HEYN	GBR
2:37.04 ELENA PICCARDO	ITA	26.62 ELISABETH PHARR	FRA	1:07.04 LUCIE ZABCIKOVA	CZE	1:05.91 LINDA LUND TIETZE	DEN
2:37.22 AMY KONOWALIK	GBR	26.80 LYUBOV YUDINA	RUS	1:07.14 SUSAN PRZYWARA	GER	1:06.56 NICOLE HEIDEMANN	GER
2:37.33 CAMILLE MARCHAND	FRA	26.81 EIDER FUENTES	ESP	1:07.50 YOSHIMI YOSHIMURA	JPN	1:06.83 ALISON LAMARE	FRA
2:38.17 SONJA SCHOBBER	GER	26.92 GEORGINA HEYN	GBR	200 M. BACK		1:07.14 RIIKKA MAJANDER	FIN
2:42.47 CARLA VENICE	ITA	27.04 LINDA LUND TIETZE	DEN	2:15.50 KELLY M HARRIGAN	USA	1:07.36 MARI AARI	FIN
2:42.75 ALISON WHITE	IRL	27.07 KELLY M HARRIGAN	USA	2:26.21 ELISA BATTISTONI	ITA	1:07.39 KATJA OTTO	GER
2:43.29 ITZIAR TARDAGUILA	ESP	27.08 CINDY ONG	MAS	2:26.48 HAYLEY DAVIS	GBR	1:07.50 CINDY ONG	MAS
2:43.53 ALESSIA VIRGILIO	ITA	27.20 CARLA KING	GBR	2:28.36 CARLA VAIN	BRA	1:07.80 LUCIE ZABCIKOVA	CZE
2:45.27 LISA BROUARD	FRA	100 M. FREE		2:28.82 SUSAN PRZYWARA	GER	1:07.94 LISA CHAPMAN	GBR
50 M. FLY		57.80 ELISABETH PHARR	FRA	2:28.83 MOLLIE K GROVER	USA	200 M. I.M.	
26.70 MARIA UGOLKOVA	SUI	58.36 KATJA OTTO	GER	2:29.44 YUKO NAKANISHI	JPN	2:28.00 MARI AARI	FIN
27.89 ANNA POLYAKOVA	RUS	58.63 KELLY M HARRIGAN	USA	2:29.68 CAROLINE SAXBY	AUS	2:29.36 KATJA OTTO	GER
28.10 RENATA MARTINS	BRA	59.38 SARAH M HERNANDEZ	USA	2:30.35 LUCIE ZABCIKOVA	CZE	2:30.05 ELISABETH PHARR	FRA
28.36 ESTEFANIA MILANEZ	BRA	59.41 IRINA SHLEMOVA	RUS	2:31.06 ARIANNA POZZOBON	ITA	2:30.07 LUCIE ZABCIKOVA	CZE
28.44 KORNELIA SAAL	GER	59.61 LINDA LUND TIETZE	DEN	50 M. BRST		2:30.20 SUSAN PRZYWARA	GER
28.75 NADINE STRESING	GER	59.69 Y.DOBROVOLSKA	UKR	31.95 NICOLE HEIDEMANN	GER	2:30.36 HAYLEY DAVIS	GBR
28.77 EBBA ROSENQUIST	SWE	59.80 CINDY ONG	MAS	32.92 GEORGINA HEYN	GBR	2:30.37 MARIA PUNET	ARG
29.04 REBECCA ADRIAN	AUS	59.87 MARI AARI	FIN	33.20 LAURA WARREN	USA	2:30.58 FIONA KINSELLA	GBR
29.06 ELISA VILHUNEN	FIN	1:00.20 DELIA BADOUX	NED	33.71 CINDY ONG	MAS	2:30.83 GEORGINA HEYN	GBR
29.21 RIE NAKAGAMI	JPN	200 M. FREE		33.88 A.STENERSEN	NOR	2:31.31 SATSUKI HIRUKAWA	JPN
100 M. FLY		2:07.02 KELLY M HARRIGAN	USA	33.89 CARLA KING	GBR	400 M. I.M.	
59.08 MARIA UGOLKOVA	SUI	2:07.13 ELISABETH PHARR	FRA	33.93 LINDA LUND TIETZE	DEN	5:15.71 MARIA PUNET	ARG
1:02.13 ANNA POLYAKOVA	RUS	2:11.54 MAILE GROSCH	GER	34.47 KATJA OTTO	GER	5:17.89 ANN WALTER	BEL
1:03.24 KORNELIA SAAL	GER	2:11.85 GIUSEPPA ZIZZO	ITA	34.56 SATSUKI HIRUKAWA	JPN	5:18.79 FIONA KINSELLA	IRL
1:03.34 EBBA ROSENQUIST	SWE	2:11.87 GEORGINA HEYN	GBR	34.60 ANDREA SMYCEK	GER	5:22.70 MARI AARI	FIN
1:04.06 VERONICA BALSANO	BRA	2:12.11 JULIE DUCROCQ	FRA	100 M. BRST		5:23.97 LUCIE ZABCIKOVA	CZE
1:04.49 NADINE STRESING	GER	2:13.03 HEIKE NAFE	GER	1:10.24 NICOLE HEIDEMANN	GER	5:24.44 MAIKE GROSCH	GER
1:04.55 T.BENISON	CAN	2:13.32 KATJA OTTO	GER	1:11.30 GEORGINA HEYN	GBR	5:24.46 S.VAERNEWYCK	BEL
1:04.58 RIE NAKAGAMI	JPN	2:13.57 ANN WALTER	BEL	1:13.16 A.STENERSEN	NOR	5:25.86 YOSHIMI YOSHIMURA	JPN
1:05.04 JUSTINE CLARK	GBR	2:14.00 FIONA KINSELLA	GBR	1:13.96 SATSUKI HIRUKAWA	JPN	5:26.81 MELINDA WILLIAMS	USA
1:05.19 LAUREN FRENDREIS	USA	400 M. FREE		1:14.71 CAROLINE CAZAL	FRA	5:27.21 LAURE KEARNS	GBR
200 M. FLY		4:28.77 ELISABETH PHARR	FRA	1:15.31 MARIANA NAGY	HUN		
2:21.70 EBBA ROSENQUIST	SWE	4:38.89 GAIA PERACCA	ITA	1:15.78 ANDREA SMYCEK	GER	*****	
2:21.85 VIKTORIA FELFOLDI	HUN	4:40.04 SARA L MCLARTY	USA	1:16.49 KATHRIN GLIESCHE	GER	*****	
2:24.01 ANNA SPIETZACK	GER	4:40.34 MAIKE GROSCH	GER	1:16.72 EIDER FUENTES	ESP	*****	
2:26.53 JUSTINE CLARK	GBR	4:40.98 FIONA KINSELLA	IRL	1:17.79 NICOLETA COICA	ITA	*****	
2:27.39 VESNA STOJANOVSKA	USA	4:41.15 GIUSEPPA ZIZZO	ITA	200 M. BRST		50 M. FREE	
2:28.41 DENISE M LETENDRE	USA	4:41.17 MARIA PUNET	ARG	2:36.06 NICOLE HEIDEMANN	GER	26.59 OLESSIA BOUROVA	ITA
2:28.80 LAURA CONFOLANT	FRA	4:43.10 ANN WALTER	BEL	2:36.27 GEORGINA HEYN	GBR	26.95 EKATERINA YUDINA	RUS
2:29.84 KATIE STEFL	USA	4:43.17 JULIE DUCROCQ	FRA	2:43.63 SATSUKI HIRUKAWA	JPN	26.99 KATIE GRIER	USA
2:30.49 WENDY TEMPELS	AUS	4:43.76 ALLISON L COX	USA	2:43.69 BRITTA O'LEARY	USA	27.15 RAAKEL LUOTO	FIN
2:30.76 DESIREE TORNELL	MEX	800 M. FREE		2:43.73 CAROLINE CAZAL	FRA	27.20 R.CRESCENTINI	ITA
100 M. I.M.		9:34.89 FIONA KINSELLA	IRL	2:47.05 CLAIRE DESDOIT	FRA	27.34 SANDRA KAZIKOVA	CZE
1:01.53 MARIA UGOLKOVA	SUI	9:39.60 MELINDA WILLIAMS	USA	2:50.81 LUCY HALL	GBR	27.39 FLEUR TURNER	GBR
1:04.95 V.EHRENBACHER	GER	9:40.13 MARIA PUNET	ARG	2:52.48 LAURA BADOUX	NED	27.54 SOPHIA SKOU	DEN
1:05.16 ASAMI KITAGAWA	JPN	9:45.39 MAIKE GROSCH	GER	2:52.72 EIDER FUENTES	ESP	27.55 LYUDMILA GRAUR	RUS
1:05.46 VERONICA BALSANO	BRA	9:49.21 ALEXIS L HIGLETT	USA	2:53.54 HAYLEY DAVIS	GBR	27.64 GABRIELA KOSTKOVA	CZE
1:05.74 AUDREY LOMBARD	FRA	9:49.36 ANN WALTER	BEL	50 M. FLY		100 M. FREE	
1:06.13 KORNELIA SAAL	GER	9:51.26 R.RIMMINGTON	GBR	27.76 IRINA SHLEMOVA	RUS	58.70 KATIE GRIER	USA
1:06.95 REBECCA ADRIAN	AUS	9:52.77 ALLISON L COX	USA	28.69 PAULINE GOUWENS	NED	59.53 CINDY BERTELINK	CAN
1:07.47 LAUREN DORRINGTON	CAN	9:55.32 LAURE KEARNS	GBR	28.89 CINDY ONG	MAS	59.66 OLESSIA BOUROVA	ITA
1:07.73 MAREN SPIETZACK	GER	9:56.51 HAYLEY DAVIS	GBR	28.91 ALISON LAMARE	FRA	59.84 R.CRESCENTINI	ITA
1:07.89 HANNAH KEEN	GBR	1500 M. FREE		29.02 NICOLE HEIDEMANN	GER	1:00.54 FLEUR TURNER	GBR
200 M. I.M.		17:44.21 ELISABETH PHARR	FRA	29.16 RIIKKA MAJANDER	FIN	1:00.63 SUSANA GOMES	POR
2:18.99 VERONICA BALSANO	BRA	18:09.22 MELINDA WILLIAMS	USA	29.21 A.HASSLACHER	GER	1:00.67 SANDRA KAZIKOVA	CZE
2:23.83 MAREN SPIETZACK	GER	18:20.26 ANN WALTER	BEL	29.23 GEORGINA HEYN	GBR	1:00.69 GABRIELA KOSTKOVA	CZE
2:24.70 KORNELIA SAAL	GER	18:21.55 MAIKE GROSCH	GER	29.33 EIDER FUENTES	ESP	1:00.80 KATJA TROSIEN	GER
2:25.08 ANNA SPIETZACK	GER	18:21.87 GAIA PERACCA	ITA	29.45 C.ROY-L'ECUYER	CAN	1:00.93 LILLA ASZTALOS	HUN
2:25.52 RIE NAKAGAMI	JPN	18:38.32 R.RIMMINGTON	GBR	100 M. FLY		200 M. FREE	
2:25.80 CARLY CERMAK	CAN	18:40.02 ALEXIS L HIGLETT	USA	1:03.56 IRINA SHLEMOVA	RUS	2:08.38 CINDY BERTELINK	CAN
2:26.10 ALESSIA VIRGILIO	ITA	19:02.32 SARAH M HERNANDEZ	USA	1:04.40 A.HASSLACHER	GER	2:11.79 S.LANDSMANNOVA	CZE
2:26.43 SUSANE ESCOBAR	CAN	19:06.56 SATSUKI HIRUKAWA	JPN	1:04.66 CINDY ONG	MAS	2:13.13 PATRIZIA BORIO	ITA
2:26.45 VIKTORIA FELFOLDI	HUN	19:07.43 S.VAERNEWYCK	BEL	1:05.37 LUCY LLOYD-ROACH	GBR	2:13.61 FLEUR TURNER	GBR
2:26.88 ROBERTA IOPPI	ITA	50 M. BACK		1:05.47 NICOLE HEIDEMANN	GER	2:13.75 GABRIELA KOSTKOVA	CZE
400 M. I.M.		29.74 ALISON LAMARE	FRA	1:05.58 GEORGINA HEYN	GBR	2:14.00 M.D'AMBROISE	CAN
4:51.23 CHELSEA B NAUTA	USA	30.06 KELLY M HARRIGAN	USA	1:05.62 EMMANUELLA RAVIER	FRA	2:14.70 DAWN PALMER	GBR
4:59.27 MAREN SPIETZACK	GER	30.70 DESIREE CAPP	ITA	1:05.92 CARLA BECKMANN	GER	2:15.37 CERI EDWARDS	GBR
5:09.13 LAURA MOLYNEAUX	GBR	30.77 ALENA NYVLTOVA	CZE	1:06.08 DOREEN LOWE	GER	2:15.43 LUCIA BUSSOTTI	ITA
5:09.76 CARLY CERMAK	CAN	30.87 CARLA VAIN	BRA	1:06.24 YUKO NAKANISHI	JPN	2:15.77 SUSANA GOMES	POR
5:11.33 KATHRYN GILL	GBR	30.91 LISA CHAPMAN	GBR	200 M. FLY		400 M. FREE	
5:11.63 VIKTORIA FELFOLDI	HUN	31.02 SUSAN PRZYWARA	GER	2:22.57 CARLA BECKMANN	GER	4:29.66 CINDY BERTELINK	CAN
5:12.88 LAURA CONFOLANT	FRA	31.24 MARI AARI	FIN	2:25.68 EMMANUELLA RAVIER	FRA	4:36.08 ASHLEY A WHITNEY	USA
5:13.22 ALESSIA VIRGILIO	ITA	31.33 LAURA WARREN	USA	2:26.64 LUCY LLOYD-ROACH	GBR	4:37.14 S.LANDSMANNOVA	CZE
5:15.76 LAURA ROBERTSON	GBR	31.44 KIRSTY JOHNSON	GBR	2:28.23 HAYLEY DAVIS	GBR	4:38.77 CERI EDWARDS	GBR
5:16.23 ALISON WHITE	IRL	100 M. BACK		2:28.27 FIONA KINSELLA	IRL	4:42.52 DAWN PALMER	GBR
*****		1:04.41 KELLY M HARRIGAN	USA	2:30.11 SABINA MARTINEZ	ESP	4:43.26 M.D'AMBROISE	CAN
*****		1:04.71 ALISON LAMARE	FRA	2:30.12 CHIARA PULVIRENTI	ITA	4:46.18 SATU RAHKONEN	FIN
*****		1:05.81 CARLA VAIN	BRA	2:31.06 KASIA M SAWICZ	USA	4:46.42 FLEUR TURNER	GBR
*****		1:05.87 C.ROY-L'ECUYER	CAN	2:32.23 GEMMA ZAPATER	ESP	4:48.64 JESSICA WOODDISSE	GBR
50 M. FREE		1:06.20 ALENA NYVLTOVA	CZE	2:32.54 MAIKE GROSCH	GER	4:49.44 SUSANA GOMES	POR
						800 M. FREE	



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

9:34.93	EMMA WILLS	GBR	2:49.93	CHIARA LUI	ITA	28.12	ELENA BABIKOVA	RUS	2:22.23	JOANNA CORBEN	GBR
9:35.40	CERI EDWARDS	GBR	2:50.18	KYLA STEENHART	NZL	28.23	KATI MAASS	GER	2:23.95	C.J-SPONSELLER	SWE
9:35.47	S.LANDSMANNOVA	CZE	2:50.21	YUKA KAWAI	JPN	28.25	MANUELA SCHUBERT	GER	2:27.89	MIYUKI SATO	JPN
9:52.35	LUCIA BUSSOTTI	ITA	2:50.74	AYAKA MIURA	JPN	28.28	PAILAN JOURY	FRA	2:28.77	GISELI PEREIRA	BRA
9:55.81	LISELOTTE JOLING	NED	2:51.22	MARIT BOHM	GER	100 M. FREE			2:32.98	E.KLAARBERGEN-KLE	NED
9:57.43	M.FUGLESTVEIT	NOR	50 M. FLY			58.10	ERIKA L BRAUN	USA	2:34.35	YURIKO IKEDA	JPN
9:58.43	M.D'AMBROISE	CAN	28.80	RAAKEL LUOTO	FIN	1:00.63	MICHELLE WARE	GBR	2:35.13	MONICA SORO	ITA
9:58.46	JESSICA VISO	MEX	28.90	R.CRESCENTINI	ITA	1:01.14	ANDREA KUTZ	GER	2:36.54	GUDULE VD MEER	NED
10:08.14	MAREN ECKENHOFF	GER	28.92	MABI TSUKIOKA	JPN	1:01.40	MONICA SORO	ITA	2:36.55	T.TEDESCHINI	ITA
10:08.60	JULIE RODDIN	USA	29.00	GABRIELA KOSTKOVA	CZE	1:01.91	RENATA PAIVA	BRA	2:38.27	M.DAVETTE-PINOIT	FRA
1500 M. FREE			29.42	OLESSIA BOUROVA	ITA	1:01.97	HIDEKO MAKINO	JPN	50 M. BRST		
17:14.91	HEIDI S GEORGE	USA	29.57	E.BELLINGER	GBR	1:01.99	TRINA R SCHAETZ	USA	34.58	NANA IWAI	JPN
18:14.18	CERI EDWARDS	GBR	29.57	EKATERINA YUDINA	RUS	1:02.00	KERRY LINDAUER	USA	34.73	HELEN GORMAN	GBR
18:18.23	EMMA WILLS	GBR	29.60	CINDY BERTELINK	CAN	1:02.16	YURIKO IKEDA	JPN	34.90	S.CONDOR-FISHER	USA
18:50.02	JESSICA WOODDISSE	GBR	29.66	SOPHIA SKOU	DEN	1:02.41	CINTA VILANOVA	ESP	35.07	KERRY LINDAUER	USA
18:55.45	M.FUGLESTVEIT	NOR	29.71	ANTJE AUHL	GER	200 M. FREE			35.16	SARA DUNN	USA
19:04.90	LISELOTTE JOLING	NED	100 M. FLY			2:09.96	RAQUEL FERNANDEZ	ESP	35.21	ELIN AUSTEVOLL	NOR
19:17.70	A.REKOWSKI	GER	1:04.85	CINDY BERTELINK	CAN	2:10.76	ERIKA L BRAUN	USA	35.44	LUCY RYAN	GBR
19:36.60	LAETITIA DUBOIS	FRA	1:04.92	GABRIELA KOSTKOVA	CZE	2:13.42	MONICA SORO	ITA	35.58	A-L VILHELMSSON	SWE
19:38.12	M.D'AMBROISE	CAN	1:05.72	E.BELLINGER	GBR	2:13.97	ALISON H ZAMANIAN	USA	35.61	MA.DEL MAR SERRA	ESP
19:40.96	MARY KAY KRAUSE	USA	1:06.04	MABI TSUKIOKA	JPN	2:15.09	NICOLA LATTY	GBR	35.68	TRINA R SCHAETZ	USA
50 M. BACK			1:06.22	ANTJE AUHL	GER	2:15.40	HIDEKO MAKINO	JPN	100 M. BRST		
29.65	RAAKEL LUOTO	FIN	1:06.26	R.CRESCENTINI	ITA	2:16.27	G.ANDRIEUX	FRA	1:14.51	HELEN GORMAN	GBR
30.28	KANA MORIHISA	JPN	1:06.28	ERIN C MORO	USA	2:16.46	TIZIANA PAPANDREA	ITA	1:16.55	NANA IWAI	JPN
30.88	KATIE GRIER	USA	1:06.38	L. CARVALHO	AUS	2:16.72	HELEN SADLER	GBR	1:17.39	LUCY RYAN	GBR
31.52	KARINE BILSKI	FRA	1:06.97	KANA MORIHISA	JPN	2:16.92	CINTA VILANOVA	ESP	1:18.10	IRINA MERZLIKINA	RUS
31.73	DOLORES MARTINEZ	ESP	1:07.00	GILLIAN O'MARA	AUS	400 M. FREE			1:18.27	ANNA JENSEN	SWE
31.76	NAHOMI SHIRATA	JPN	200 M. FLY			4:34.96	ALISON H ZAMANIAN	USA	1:18.55	SABINA VITALONI	ITA
31.82	TANIA GIACHINI	ITA	2:24.47	L. CARVALHO	AUS	4:41.18	TIZIANA PAPANDREA	ITA	1:18.67	SARA DUNN	USA
31.97	PILAR OLIVER	ESP	2:26.01	ILDIKO SZEKELY	USA	4:45.13	BRANDI KOSSUB	SWE	1:19.12	TRINA R SCHAETZ	USA
32.04	CRISTINA FRANCONI	ITA	2:30.84	ERIN C MORO	USA	4:46.10	MONICA SORO	ITA	1:19.17	T.KETTING-KLAASSE	NED
32.10	SATU RAHKONEN	FIN	2:30.90	VALERIA DAMIANI	ITA	4:48.88	JOANNA CORBEN	GBR	1:19.39	A-L VILHELMSSON	SWE
100 M. BACK			2:32.51	PATRIZIA BORIO	ITA	4:48.90	ANNIE HORTON	NZL	200 M. BRST		
1:04.30	KANA MORIHISA	JPN	2:33.26	E.BELLINGER	GBR	4:49.00	G.ANDRIEUX	FRA	2:42.71	HELEN GORMAN	GBR
1:07.96	DAWN PALMER	GBR	2:34.68	M.FUGLESTVEIT	NOR	4:49.08	BORI DE ROOS	SUI	2:50.38	LUCY RYAN	GBR
1:08.11	TANIA GIACHINI	ITA	2:38.78	JESSICA WOODDISSE	GBR	4:49.28	DEBBIE YOUNGER	CAN	2:50.81	IRINA MERZLIKINA	RUS
1:08.37	DOLORES MARTINEZ	ESP	2:39.08	LISELOTTE JOLING	NED	4:49.56	ULRIKA THUNE	SWE	2:50.98	SARA DUNN	USA
1:08.81	SATU RAHKONEN	FIN	2:39.10	KATINKA DONGEN	NED	800 M. FREE			2:52.20	NANA IWAI	JPN
1:08.98	SANDRA KAZIKOVA	CZE	100 M. I.M.			9:28.18	ALISON H ZAMANIAN	USA	2:52.56	IRINA VAITONE	LAT
1:09.56	SARA CRACCO	ITA	1:05.31	RAAKEL LUOTO	FIN	9:47.55	TIZIANA PAPANDREA	ITA	2:52.57	NAOMI KOTERA	JPN
1:09.78	SOPHIE BOELLMANN	FRA	1:07.10	KANA MORIHISA	JPN	9:49.58	LAURIE DODD	USA	2:52.83	LINDA VISSER	USA
1:10.25	MACHIKO IWASHITA	JPN	1:07.11	HITOMI TAKAHASHI	JPN	9:50.17	MONICA SORO	ITA	2:54.14	ANNA JENSEN	SWE
1:10.61	S.VALDRIGHI	ITA	1:08.12	SATU RAHKONEN	FIN	9:50.59	NICOLE P VAN NOOD	USA	2:54.57	EUNICE NISHIMURA	BRA
200 M. BACK			1:08.47	GABRIELA KOSTKOVA	CZE	9:51.43	ANNIE HORTON	NZL	50 M. FLY		
2:19.47	KANA MORIHISA	JPN	1:08.49	KJERSTI HERNAES	NOR	9:52.85	ULRIKA THUNE	SWE	28.80	ERIKA L BRAUN	USA
2:28.48	EMMA WILLS	GBR	1:08.71	R.CRESCENTINI	ITA	9:53.41	BRANDI KOSSUB	SWE	28.97	YURIKO IKEDA	JPN
2:28.49	DOLORES MARTINEZ	ESP	1:08.75	SANDRA KAZIKOVA	CZE	9:56.31	NOELIA PETTI	ARG	29.96	MICHELLE WARE	GBR
2:32.34	MACHIKO IWASHITA	JPN	1:08.82	KATIE GRIER	USA	10:00.78	T.TEDESCHINI	ITA	30.17	IRINA MERZLIKINA	RUS
2:32.37	SATU RAHKONEN	FIN	1:08.88	NADEGE CLITON	FRA	1500 M. FREE			30.28	GISELI PEREIRA	BRA
2:32.60	JANEL LOBUR	USA	200 M. I.M.			18:28.87	NICOLE P VAN NOOD	USA	30.45	MA.DEL MAR SERRA	ESP
2:33.12	SANDRA KAZIKOVA	CZE	2:26.81	KANA MORIHISA	JPN	19:17.42	GRITH SIGSGAARD	NED	30.56	SHELLEY ROWLAND	NZL
2:34.40	S.VALDRIGHI	ITA	2:28.49	SATU RAHKONEN	FIN	19:18.38	G.ANDRIEUX	FRA	30.61	C.MCCLAFFERTY	USA
2:34.42	MITSUKO AZEYANAGI	JPN	2:31.32	PATRIZIA BORIO	ITA	19:24.20	MICHELINA D'AMICO	ITA	30.78	DEBBIE YOUNGER	CAN
2:34.70	TANIA GIACHINI	ITA	2:32.60	DAWN PALMER	GBR	19:26.32	JOSEPHINE VARNEY	AUS	30.84	MONICA SORO	ITA
50 M. BRST			2:33.34	LILLA ASZTALOS	HUN	19:29.60	ANNE MANKINEN	ITA	100 M. FLY		
33.16	ISABEL FIGUEIRA	POR	2:33.52	CHARLOTTE REID	IRL	19:40.34	KARIN STEIN	NED	1:06.15	ERIKA L BRAUN	USA
33.47	R.CRESCENTINI	ITA	2:33.73	LUCIA BUSSOTTI	ITA	19:43.34	RAFFAELA FALCO	ITA	1:07.14	HIDEKO MAKINO	JPN
34.48	LAETITIA DUBOIS	FRA	2:34.40	MACHIKO IWASHITA	JPN	19:48.50	BARBARA GRILLO	ITA	1:07.16	MICHELLE WARE	GBR
34.61	KANA MORIHISA	JPN	2:34.41	D.FEUTELAIS	FRA	19:49.61	FUMIE HONMA	JPN	1:08.34	KINCISO VENCZEL	HUN
34.84	Y.VICTOR-VD BERG	RSA	2:34.72	KJERSTI HERNAES	NOR	50 M. BACK			1:08.38	C.MCCLAFFERTY	USA
34.91	KJERSTI HERNAES	NOR	400 M. I.M.			30.49	ANDREA KUTZ	GER	1:08.60	GISELI PEREIRA	BRA
34.96	RAAKEL LUOTO	FIN	5:21.01	D.FEUTELAIS	FRA	30.94	MICHELLE WARE	GBR	1:08.64	MA.DEL MAR SERRA	ESP
35.10	BARBARA HALLS	GBR	5:27.56	LUCIA BUSSOTTI	ITA	31.09	GISELI PEREIRA	BRA	1:08.70	C.GUIDI-SWAN	CAN
35.11	SATU RAHKONEN	FIN	5:29.96	M.D'AMBROISE	CAN	31.16	C.J-SPONSELLER	SWE	1:09.14	MONICA SORO	ITA
35.13	CINDY BERTELINK	CAN	5:30.85	MACHIKO IWASHITA	JPN	31.95	JOANNA CORBEN	GBR	1:09.33	KATI MAASS	GER
100 M. BRST			5:32.98	DAWN PALMER	GBR	32.04	YURIKO IKEDA	JPN	200 M. FLY		
1:14.18	ISABEL FIGUEIRA	POR	5:35.19	JESSICA WOODDISSE	GBR	32.28	YULIYA FROLOVA	RUS	2:26.92	DEBBIE YOUNGER	CAN
1:15.08	KJERSTI HERNAES	NOR	5:35.79	LISELOTTE JOLING	NED	32.30	MONICA SORO	ITA	2:28.70	KINCISO VENCZEL	HUN
1:15.51	LAETITIA DUBOIS	FRA	5:37.34	CATHLEEN RUND	GER	32.48	MARIA RIVERA	PUR	2:33.71	NICOLA LATTY	GBR
1:15.67	CHARLOTTE REID	IRL	5:38.77	E.BELLINGER	GBR	32.50	BRANDI KOSSUB	SWE	2:34.56	C.GUIDI-SWAN	CAN
1:16.12	R.CRESCENTINI	ITA	5:38.94	MARIT BOHM	GER	100 M. BACK			2:36.70	M.GOMARIZ	ESP
1:16.50	KYLA STEENHART	NZL	*****			1:06.05	C.J-SPONSELLER	SWE	2:37.28	CLAUDIA NUNEZ	ARG
1:16.78	SATU RAHKONEN	FIN	*****			1:06.78	JOANNA CORBEN	GBR	2:39.58	KEIKO NAGAYA	JPN
1:17.10	A.RIISSER	NOR	*****			1:07.53	GISELI PEREIRA	BRA	2:39.74	YURIKA HIROSE	JPN
1:17.29	MAUD JEAN	CAN	*****			1:08.38	KERRY LINDAUER	USA	2:39.76	JANET MCLEAN	GBR
1:18.07	KRISTEN S HARRIS	USA	50 M. FREE			1:08.50	ANDREA KUTZ	GER	2:40.08	JACQUI RUSSELL	AUS
200 M. BRST			26.48	ERIKA L BRAUN	USA	1:08.79	TIZIANA PAPANDREA	ITA	100 M. I.M.		
2:41.84	KJERSTI HERNAES	NOR	27.09	ANDREA KUTZ	GER	1:09.24	MIYUKI SATO	JPN	1:01.56	DANIELA RALID	BRA
2:43.21	HITOMI TAKAHASHI	JPN	27.60	MICHELLE WARE	GBR	1:10.34	BRANDI KOSSUB	SWE	1:06.52	ERIKA L BRAUN	USA
2:45.08	A.RIISSER	NOR	27.79	MONICA SORO	ITA	1:10.53	ANN K STEWART	USA	1:07.46	HELEN GORMAN	GBR
2:45.16	SATU RAHKONEN	FIN	27.80	KERRY LINDAUER	USA	1:10.79	MICHELLE WARE	GBR	1:08.43	HIDEKO MAKINO	JPN
2:49.50	LAETITIA DUBOIS	FRA	28.05	MA.DEL MAR SERRA	ESP	200 M. BACK			1:09.13	ANDREA KUTZ	GER



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

1:09.22	YURIKO IKEDA	JPN	10:08.18	DEBORAH DAWSON	USA	50 M. FLY	1:02.72	S.REIBEL-OBERLE	GER
1:09.29	MICHELLE WARE	GBR	10:15.56	CINDY MABEE	CAN	30.15 ANNA HAMMAR	1:03.87	JILL S HERNANDEZ	USA
1:09.51	IRINA MERZLIKINA	RUS	10:16.51	ELEONORA FERRANDO	ITA	30.17 SUSAN O WILLIAMS	1:03.93	COLLETTE H SAPPEY	USA
1:10.10	MONICA SORO	ITA	10:19.54	SILVIA FERDIN	GBR	30.61 FRANCA BOSISIO	1:04.39	MA CARMEN NAVARRO	ESP
1:10.28	C.J-SPONSELLER	SWE	1500 M. FREE			30.68 PETRA THODIN	1:04.51	CATE JACKSON	GBR
2:29.37	HIDEKO MAKINO	JPN	18:34.76	JANE ANN HOAG	ITA	30.73 CINDY MABEE	1:04.85	BECKY CLEAVENGER	USA
2:30.23	HELEN GORMAN	GBR	18:56.66	C.THIELEMAN	GER	30.82 ELIZABETH WOOLNER	1:05.03	SARAH MACDONALD	CAN
2:30.90	YURIKO IKEDA	JPN	19:15.76	ILKA LOWENSTEYN	CAN	30.91 SUSAN OLTNER	1:05.03	AMY JO RIEGER	PUR
2:33.16	CHRIS WIEGAND	GER	19:18.54	DEBORAH DAWSON	USA	30.99 DANIELA DEPONTI	1:05.09	ARLETTE A GODGES	USA
2:33.79	ALISON H ZAMANIAN	USA	19:33.35	SANDRINE MEUGNIOT	FRA	31.27 PETRA LANG	1:05.25	AI MEKATA	JPN
2:34.25	DEBBIE YOUNGER	CAN	19:34.75	SILVIA FERDIN	GBR	31.37 LESLEY CORDIAL	200 M. FREE		
2:34.44	KINCOS VENCZEL	HUN	19:36.11	VICTORIA L RIAN	USA	100 M. FLY	2:12.03	ELLEN M REYNOLDS	USA
2:34.69	MICHELLE WARE	GBR	19:39.16	LISE RAVEN LOTHE	NOR	1:07.62 BARBARA KEHBEIN	2:17.64	LYNN MARSHALL	CAN
2:35.22	E.KLAARBERGEN-KLE	NED	19:47.84	LAURIE HUG	USA	1:08.06 FRANCA BOSISIO	2:17.77	S.REIBEL-OBERLE	GER
2:36.20	MONICA SORO	ITA	19:48.11	BEATRICE COUSSIEU	FRA	1:08.77 CINDY MABEE	2:20.58	CATE JACKSON	GBR
400 M. I.M.			50 M. BACK			1:09.25 FALL WILLEBOORDSE	2:21.17	C.PETERSEN	USA
5:25.28	C.J-SPONSELLER	SWE	31.33 CINDY MABEE	CAN	1:09.41 DANIELA DEPONTI	1:09.41 DANIELA DEPONTI	2:21.71	SARAH MACDONALD	CAN
5:27.92	NICOLA LATTY	GBR	31.37 MARION WOLTERS	GER	1:10.00 PETRA THODIN	1:10.00 PETRA THODIN	2:22.16	BECKY CLEAVENGER	USA
5:32.21	KEIKO NAGAYA	JPN	31.70 LISE RAVEN LOTHE	NOR	1:10.17 C.THIELEMAN	1:10.17 C.THIELEMAN	2:22.57	KIM O'GRADY	USA
5:33.47	E.KLAARBERGEN-KLE	NED	31.83 SUSAN O WILLIAMS	USA	1:10.24 ELIZABETH WOOLNER	1:10.24 ELIZABETH WOOLNER	2:22.66	MA CARMEN NAVARRO	ESP
5:34.52	JANET MCLEAN	GBR	31.96 MARIE-T.FUZZATI	SUI	1:10.27 ILKA LOWENSTEYN	1:10.27 ILKA LOWENSTEYN	2:23.10	S. PALMER-WHITE	AUS
5:35.65	OKSANA AOLLEOEAY	RUS	32.15 FALL WILLEBOORDSE	USA	1:10.39 MERETE LOVBERG	1:10.39 MERETE LOVBERG	400 M. FREE		
5:37.24	GISELI PEREIRA	BRA	32.40 ANNA HAMMAR	SWE	200 M. FLY	200 M. FLY	4:41.45	LYNN MARSHALL	CAN
5:39.55	LINDA VISSER	USA	32.74 SYLVIE ALLERY	FRA	2:30.27 BARBARA KEHBEIN	2:30.27 BARBARA KEHBEIN	4:51.43	S.REIBEL-OBERLE	GER
5:39.90	VALERIE BELLEGO	FRA	32.75 PETRA LANG	AUT	2:33.92 ILKA LOWENSTEYN	2:33.92 ILKA LOWENSTEYN	4:54.25	C.PETERSEN	USA
5:41.36	LIANNA M BADRAN	USA	32.81 HIROKO NOGUCHI	JPN	2:34.58 FRANCA BOSISIO	2:34.58 FRANCA BOSISIO	4:54.36	S. PALMER-WHITE	AUS
*****			100 M. BACK		2:37.54 C.THIELEMAN	2:37.54 C.THIELEMAN	4:57.64	CATE JACKSON	GBR
*****			1:07.28 CINDY MABEE	CAN	2:44.34 SILVIA FERDIN	2:44.34 SILVIA FERDIN	4:58.14	PATRICIA CAMPBELL	USA
*****			1:08.02 MARION WOLTERS	GER	2:44.52 ANJA FRIEDRICH	2:44.52 ANJA FRIEDRICH	5:00.91	ROBYN CROTTY	NZL
*****			1:09.27 LISE RAVEN LOTHE	NOR	2:45.52 J.THORSTENSEN	2:45.52 J.THORSTENSEN	5:01.12	CLAUDIA KERN	GER
*****			1:09.29 KRISTIN J GARY	USA	2:45.57 LAURIE HUG	2:45.57 LAURIE HUG	5:01.21	HOLLY EDMONDS	USA
50 M. FREE			1:10.43 SYLVIE ALLERY	FRA	2:46.52 URSULA SCHROCK	2:46.52 URSULA SCHROCK	5:04.91	CHANTAL VENNE	CAN
27.46 ANETTE PHILIPSSON	SWE		1:10.86 PETRA LANG	AUT	2:46.78 PHILIPPA O'GRADY	2:46.78 PHILIPPA O'GRADY	800 M. FREE		
27.51 MARIE-T.FUZZATI	SUI		1:10.99 SILVIA PAROCCHI	ITA	100 M. I.M.	100 M. I.M.	9:49.02	LYNN MARSHALL	CAN
27.70 ANNA HAMMAR	SWE		1:13.22 HEIKE STIEMER	GER	1:08.76 ANNA HAMMAR	1:08.76 ANNA HAMMAR	10:07.79	C.PETERSEN	USA
27.99 CHIKAKO MIZUNO	JPN		1:13.67 JANE ANN HOAG	ITA	1:09.43 MARION WOLTERS	1:09.43 MARION WOLTERS	10:13.42	ROBYN CROTTY	NZL
28.06 M.F-ARMENTERO	SUI		1:14.05 SUSANNE METZSCH	DEN	1:10.50 CINDY MABEE	1:10.50 CINDY MABEE	10:13.86	S. PALMER-WHITE	AUS
28.21 FRANCA BOSISIO	ITA		1:14.05 MIKI NAMAI	JPN	1:11.39 DANIELA DEPONTI	1:11.39 DANIELA DEPONTI	10:14.14	PATRICIA CAMPBELL	USA
28.23 MERETE LOVBERG	NOR		200 M. BACK		1:11.53 MERETE LOVBERG	1:11.53 MERETE LOVBERG	10:18.45	CATE JACKSON	GBR
28.23 ANDREA SEGUIN	CAN		2:26.85 MARION WOLTERS	GER	1:11.67 FALL WILLEBOORDSE	1:11.67 FALL WILLEBOORDSE	10:30.83	KIM O'GRADY	USA
28.29 MARION WOLTERS	GER		2:29.08 CINDY MABEE	CAN	1:11.87 MARIE-T.FUZZATI	1:11.87 MARIE-T.FUZZATI	10:33.35	M.COUNTRYMAN	USA
28.34 LISE RAVEN LOTHE	NOR		2:30.79 LISE RAVEN LOTHE	NOR	1:12.32 ALLIE PRICE	1:12.32 ALLIE PRICE	10:33.84	M.MAURISCHAT	GER
100 M. FREE			2:31.86 SILVIA PAROCCHI	ITA	1:12.42 BARBARA KEHBEIN	1:12.42 BARBARA KEHBEIN	10:34.91	DYMPHNA MORRIS	IRL
1:00.72 MARIE-T.FUZZATI	SUI		2:32.90 KRISTIN J GARY	USA	1:12.97 MASAMI KAJITA	1:12.97 MASAMI KAJITA	1500 M. FREE		
1:00.94 BARBARA KEHBEIN	GER		2:33.53 PETRA LANG	AUT	200 M. I.M.	200 M. I.M.	18:28.71	LYNN MARSHALL	CAN
1:01.39 MARION WOLTERS	GER		2:36.34 JANE ANN HOAG	ITA	2:32.32 CINDY MABEE	2:32.32 CINDY MABEE	19:00.69	S. PALMER-WHITE	AUS
1:02.05 MERETE LOVBERG	NOR		2:38.83 CSILLA CSIKANY	HUN	2:33.36 BARBARA KEHBEIN	2:33.36 BARBARA KEHBEIN	19:07.60	JILL S HERNANDEZ	USA
1:02.61 SUSANNE METZSCH	DEN		2:39.43 SYLVIE ALLERY	FRA	2:34.15 MARION WOLTERS	2:34.15 MARION WOLTERS	19:33.65	KIM O'GRADY	USA
1:02.71 DANIELA DEPONTI	ITA		2:39.85 JENNIFER RIDGE	USA	2:36.56 C.THIELEMAN	2:36.56 C.THIELEMAN	19:45.50	S.REIBEL-OBERLE	GER
1:02.75 CHIKAKO MIZUNO	JPN		50 M. BRST		2:37.85 MERETE LOVBERG	2:37.85 MERETE LOVBERG	19:57.24	CATE JACKSON	GBR
1:02.85 FALL WILLEBOORDSE	USA		35.07 ANNA HAMMAR	SWE	2:38.26 JENNIFER RIDGE	2:38.26 JENNIFER RIDGE	20:07.89	CHANTAL VENNE	CAN
1:03.19 ANDREA SEGUIN	CAN		35.55 M.GOELEMA-KOEK	NED	2:38.61 ILKA LOWENSTEYN	2:38.61 ILKA LOWENSTEYN	20:15.56	ANNE-M KARAJAMIES	FIN
1:03.26 INA ZIEGLER	GER		35.81 V.SCHLESINGER	GER	2:38.84 JANE ANN HOAG	2:38.84 JANE ANN HOAG	20:21.55	AMY JO RIEGER	PUR
200 M. FREE			36.21 MASAMI KAJITA	JPN	2:39.44 JILL E GELLATLY	2:39.44 JILL E GELLATLY	20:24.37	M.MAURISCHAT	GER
2:12.88 MERETE LOVBERG	NOR		36.31 MARY C ARMSTRONG	USA	2:41.05 ANGELA DELISSEN	2:41.05 ANGELA DELISSEN	50 M. BACK		
2:13.95 BARBARA KEHBEIN	GER		36.51 LAURA MOLINARI	ITA	400 M. I.M.	400 M. I.M.	31.92 HOLLY GREEN BLAIR	USA	
2:16.06 SUSANNE METZSCH	DEN		36.75 ANETTE PHILIPSSON	SWE	31.90 C.THIELEMAN	31.90 C.THIELEMAN	32.75 KARLYN PIPES	USA	
2:17.00 JANE ANN HOAG	ITA		36.79 STEFANIA MONTI	ITA	5:33.68 FRANCA BOSISIO	5:33.68 FRANCA BOSISIO	33.95 S.ZHIGUNOVA	RUS	
2:17.36 DANIELA SABATINI	ITA		36.79 HANA BOHUSLAVKOVA	CZE	5:37.72 ILKA LOWENSTEYN	5:37.72 ILKA LOWENSTEYN	34.10 S.REIBEL-OBERLE	GER	
2:18.05 C.THIELEMAN	GER		36.82 ANETTE SORENSEN	NOR	5:38.77 ELEONORA FERRANDO	5:38.77 ELEONORA FERRANDO	34.60 ANNE RAYMOND	CAN	
2:18.69 CHIKAKO MIZUNO	JPN		100 M. BRST		5:40.01 ANGELA DELISSEN	5:40.01 ANGELA DELISSEN	34.70 DENYSE SENECHAL	CAN	
2:18.77 ILKA LOWENSTEYN	CAN		1:17.10 BARBARA KEHBEIN	GER	5:43.10 BEATRICE COUSSIEU	5:43.10 BEATRICE COUSSIEU	34.77 CATE JACKSON	GBR	
2:18.81 JILL E GELLATLY	USA		1:17.98 LAURA MOLINARI	ITA	5:43.30 LAURIE HUG	5:43.30 LAURIE HUG	34.83 KATIE OSBORNE	CAN	
2:19.63 INA ZIEGLER	GER		1:19.23 T.PROKOFEVA	RUS	5:52.05 MANUELA MALTINTI	5:52.05 MANUELA MALTINTI	35.01 MASAMI HIGURASHI	JPN	
400 M. FREE			1:19.69 HANA BOHUSLAVKOVA	CZE	5:52.72 GIORDANA LIVERINI	5:52.72 GIORDANA LIVERINI	35.02 CHANTAL VENNE	CAN	
4:41.61 MERETE LOVBERG	NOR		1:19.82 MASAMI KAJITA	JPN	5:54.63 SUSIE SHUCK	5:54.63 SUSIE SHUCK	100 M. BACK		
4:44.49 DANIELA SABATINI	ITA		1:20.01 M.GOELEMA-KOEK	NED	*****	*****	1:07.17	ELLEN M REYNOLDS	USA
4:46.73 JANE ANN HOAG	ITA		1:20.03 KEIKO OKAMOTO	JPN	*****	*****	1:09.62	HOLLY GREEN BLAIR	USA
4:46.83 BARBARA KEHBEIN	GER		1:20.16 ANETTE SORENSEN	NOR	*****	*****	1:10.92	KARLYN A PIPES	USA
4:50.60 C.THIELEMAN	GER		1:20.23 CHIE MIYAMOTO	JPN	50 M. FREE	50 M. FREE	1:13.61	JUDY BROWN	GBR
4:51.09 CSILLA CSIKANY	HUN		1:20.68 V.SCHLESINGER	GER	28.33 HOLLY GREEN BLAIR	28.33 HOLLY GREEN BLAIR	1:14.40	LISA A WARD	USA
4:51.26 ILKA LOWENSTEYN	CAN		200 M. BRST		28.57 HAYLEY BETTINSON	28.57 HAYLEY BETTINSON	1:14.41	S.REIBEL-OBERLE	GER
4:55.04 CLAIRE SUPIOT	FRA		2:48.21 BARBARA KEHBEIN	GER	28.58 COLLETTE H SAPPEY	28.58 COLLETTE H SAPPEY	1:16.30	ANN KOURI	CAN
4:55.20 INA ZIEGLER	GER		2:51.08 KEIKO OKAMOTO	JPN	28.62 SARAH MACDONALD	28.62 SARAH MACDONALD	1:16.40	DENYSE SENECHAL	CAN
4:57.51 JENNIFER RIDGE	USA		2:51.95 HANA BOHUSLAVKOVA	CZE	28.73 S.REIBEL-OBERLE	28.73 S.REIBEL-OBERLE	1:16.43	ANNE MANNELA	SWE
800 M. FREE			2:54.04 T.PROKOFEVA	RUS	29.12 BECKY CLEAVENGER	29.12 BECKY CLEAVENGER	1:16.78	LISA DIXON-WELLS	CAN
9:46.10 JANE ANN HOAG	ITA		2:54.27 CHIE MIYAMOTO	JPN	29.30 CATE JACKSON	29.30 CATE JACKSON	200 M. BACK		
9:52.58 DANIELA SABATINI	ITA		2:56.34 MERETE LOVBERG	NOR	29.45 KARLYN A PIPES	29.45 KARLYN A PIPES	2:25.27	ELLEN M REYNOLDS	USA
9:53.40 ILKA LOWENSTEYN	CAN		2:57.46 MASAMI KAJITA	JPN	29.45 MA CARMEN NAVARRO	29.45 MA CARMEN NAVARRO	2:32.33	LYNN MARSHALL	CAN
9:55.35 C.THIELEMAN	GER		2:59.63 ANETTE SORENSEN	NOR	29.47 UTE HASSE	29.47 UTE HASSE	2:36.86	JUDY BROWN	GBR
10:04.89 KAREN GRAHAM	GBR		3:00.53 JANE ANN HOAG	ITA	100 M. FREE	100 M. FREE	2:41.04	LISA A WARD	USA
10:06.49 CSILLA CSIKANY	HUN		3:01.40 A.WIJNJA-VISSER	NED			2:42.19	JUDITH CROMJONGH	NED



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

2:42.35	ANN KOURI	CAN	1:15.90	CHANTAL VENNE	CAN	11:17.95	TRACY L GRILLI	USA	33.42	LOLI BALBUENA	ESP
2:42.79	AMY JO RIEGER	PUR	200 M. I.M.			1500 M. FREE			33.63	HARUMI SUGINUMA	JPN
2:43.39	PIERRETTE MICHEL	BEL	2:27.78	ELLEN M REYNOLDS	USA	20:03.58	BONNIE L SPIVEY	USA	33.79	MOIRA PARKS	PER
2:45.50	DENYSE SENECHAL	CAN	2:36.42	KARLYN PIPES	USA	20:45.43	KAREN L EINSIDLER	USA	34.49	CATHY GANZE	USA
2:45.73	S. PALMER-WHITE	AUS	2:36.92	S.REIBEL-OBERLE	GER	21:13.76	TRACY L GRILLI	USA	34.54	SUSAN INGRAHAM	USA
50 M. BRST			2:38.54	LYNN MARSHALL	CAN	21:25.42	SUSAN INGRAHAM	USA	34.66	COLETTE M CRABBE	USA
35.90	TERRI MACDOUGALL	CAN	2:39.45	JILL S HERNANDEZ	USA	21:26.08	LOLI BALBUENA	ESP	34.76	ANNICKE MONSEN	NOR
35.95	UTE HASSE	ESP	2:41.49	AMY JO RIEGER	PUR	21:36.72	STELLA FARRAR	GBR	100 M. FLY		
36.04	MONICA CORO'	ITA	2:43.05	JUDY BROWN	GBR	21:41.50	DEBORAH WAREING	AUS	1:13.08	TRACI S GRANGER	USA
37.27	PIA THULSTRUP	DEN	2:44.05	LISA A WARD	USA	21:44.04	NATALIYA ISUPOVA	RUS	1:16.65	JENNY WHITELEY	AUS
37.61	SARAH MACDONALD	CAN	2:45.77	SARAH MACDONALD	CAN	21:51.70	PASCALE SCHWING	FRA	1:18.83	L.NAGOVITSYNA	RUS
37.92	EVA LOFTHUS	NOR	2:46.25	MARJAN LANGE	NED	21:52.09	KERRI C ROUSSAIN	USA	1:20.43	MOIRA PARKS	PER
37.97	SATOKO TOKITA	JPN	400 M. I.M.			50 M. BACK			1:20.98	HARUMI SUGINUMA	JPN
38.22	A-K JOSEFSON	SWE	5:15.72	ELLEN M REYNOLDS	USA	35.11	K.ANDRUS-HUGHES	USA	1:22.46	H.KULA-PRZEWANSK	GBR
38.48	SETSUKO MATSUI	JPN	5:24.71	LYNN MARSHALL	CAN	35.74	AROMA MARTORELL	BRA	1:22.65	SUSAN INGRAHAM	USA
38.49	CORRIN C BUCK	USA	5:42.46	ROBYN CROTTY	NZL	36.13	JANET MCDONOUGH	USA	1:23.17	DAGMAR FRESE	GER
100 M. BRST			5:45.17	S. PALMER-WHITE	AUS	36.39	KATHY GRAHAM	CAN	1:23.18	ANNICKE MONSEN	NOR
1:17.36	MARZENA KULIS	ITA	5:46.42	JUDY BROWN	GBR	36.61	H.KULA-PRZEWANSK	GBR	1:23.65	AMANDA HEATH	GBR
1:19.02	UTE HASSE	ESP	5:52.33	LISA A WARD	USA	36.93	MA RAMONA GUILLEN	ESP	200 M. FLY		
1:19.31	MONICA CORO'	ITA	5:52.71	CHANTAL VENNE	CAN	37.13	GUNILLA RASMUSON	SWE	2:46.40	JENNY WHITELEY	AUS
1:20.72	TERRI MACDOUGALL	CAN	5:59.67	JUDITH PEARSON	GBR	37.30	CATHY GANZE	USA	2:49.24	TRACI S GRANGER	USA
1:22.64	CORRIN C BUCK	USA	6:01.94	M.MAURISCHAT	GER	37.31	JUDY THOMAS	AUS	3:00.75	L.NAGOVITSYNA	RUS
1:23.22	S.REIBEL-OBERLE	GER	6:03.89	N.MUIR-COCHRANE	GBR	37.34	ZENA H COURTNEY	USA	3:01.42	MA RAMONA GUILLEN	ESP
1:24.22	SATOKO TOKITA	JPN				100 M. BACK			3:01.58	LAURIE J ALIOTO	USA
1:24.32	JUDITH PEARSON	GBR	*****			1:17.49	JENNY WHITELEY	AUS	3:13.30	ESTHER ISEPPI	GBR
1:24.54	EVA LOFTHUS	NOR	WOMEN 60-64			1:18.33	H.KULA-PRZEWANSK	GBR	3:18.70	KATHY GRAHAM	CAN
1:24.85	MISA KUWANO	JPN	*****			1:18.51	MA RAMONA GUILLEN	ESP	3:21.57	AMANDA HEATH	GBR
200 M. BRST			50 M. FREE			1:19.31	K.ANDRUS-HUGHES	USA	3:28.24	PATTY VERHAGEN	NED
2:46.91	MARZENA KULIS	ITA	29.08	JENNY WHITELEY	AUS	1:19.34	JANET MCDONOUGH	USA	3:29.48	M.COURTENAY	CAN
2:59.03	TERRI MACDOUGALL	CAN	29.23	TRACI S GRANGER	USA	1:20.87	ELISABETH FEZARD	FRA	100 M. I.M.		
3:00.66	CORRIN C BUCK	USA	29.83	ELIN KNAG	NOR	1:20.91	ZENA H COURTNEY	USA	1:18.98	TRACI S GRANGER	USA
3:01.34	LYNN MARSHALL	CAN	30.21	VERONICA HIBBEN	USA	1:21.19	SUZY L COTTON	USA	1:19.35	H.KULA-PRZEWANSK	GBR
3:05.25	T.TIKHOMIROVA	RUS	30.49	ALYSON FORDHAM	GBR	1:21.37	DIANE COETZEE	RSA	1:19.37	JANET MCDONOUGH	USA
3:06.87	EVA LOFTHUS	NOR	30.79	GUNILLA RASMUSON	SWE	1:21.72	BIRGIT HEINIG	GER	1:19.58	LOLI BALBUENA	ESP
3:07.14	AMY JO RIEGER	PUR	30.82	LOLI BALBUENA	ESP	200 M. BACK			1:19.90	KIKUKO KOBAYASHI	JPN
3:07.64	JUDITH PEARSON	GBR	30.90	LINDSEY GOWLAND	GBR	2:45.00	BONNIE L SPIVEY	USA	1:19.96	MA RAMONA GUILLEN	ESP
3:07.72	MISA KUWANO	JPN	30.95	KAREN M MAREB	USA	2:45.73	JENNY WHITELEY	AUS	1:19.98	KAREN M MAREB	USA
3:08.13	TOMOKO OKADA	JPN	31.30	CATHY GANZE	USA	2:46.92	MA RAMONA GUILLEN	ESP	1:20.66	VERONICA HIBBEN	USA
3:08.13	SARAH MACDONALD	CAN	31.30	A.PIJTAK-RADERSMA	NED	2:49.91	H.KULA-PRZEWANSK	GBR	1:20.66	GUNILLA RASMUSON	SWE
50 M. FLY			100 M. FREE			2:54.13	SUZY L COTTON	USA	1:21.15	VALENTINA SALVIA	ITA
31.69	MA CARMEN NAVARRO	ESP	1:04.44	VERONICA HIBBEN	USA	2:54.36	ZENA H COURTNEY	USA	200 M. I.M.		
31.88	JUDITH PEARSON	GBR	1:07.18	ALYSON FORDHAM	GBR	2:54.90	SUSANNA SORDELLI	ITA	2:49.21	COLETTE M CRABBE	USA
31.90	MARIA NORBERG	SWE	1:07.41	A.PIJTAK-RADERSMA	NED	2:55.06	SUSAN INGRAHAM	USA	2:49.31	TRACI S GRANGER	USA
31.95	S.REIBEL-OBERLE	GER	1:08.58	K.ANDRUS-HUGHES	USA	2:56.65	DIANE COETZEE	RSA	2:52.18	BONNIE L SPIVEY	USA
32.03	HAYLEY BETTINGSON	GBR	1:08.86	KAREN M MAREB	USA	3:00.61	MICHELE OLIVER	CAN	2:53.54	MA RAMONA GUILLEN	ESP
32.18	HELEN SMITH	SWE	1:08.87	H.KULA-PRZEWANSK	GBR	50 M. BRST			2:53.96	H.KULA-PRZEWANSK	GBR
32.21	KARLYN A PIPES	USA	1:09.00	LOLI BALBUENA	ESP	38.12	DAGMAR FRESE	GER	2:56.51	SUSANNA SORDELLI	ITA
32.31	DEBBIE MATLESS	GBR	1:09.45	SUSAN INGRAHAM	USA	38.30	JENNY WHITELEY	AUS	2:57.12	KIKUKO KOBAYASHI	JPN
32.35	CHANTAL VENNE	CAN	1:09.55	ELAINE MATTATALL	CAN	38.73	ELIN KNAG	NOR	2:57.43	BIRGIT HEINIG	GER
32.40	KATIE OSBORNE	CAN	1:10.16	LINDSEY GOWLAND	GBR	39.00	LOLI BALBUENA	ESP	2:58.53	MOIRA PARKS	PER
100 M. FLY			200 M. FREE			39.36	KAREN M MAREB	USA	2:58.64	AMANDA HEATH	GBR
1:11.67	JUDITH PEARSON	GBR	2:24.73	VERONICA HIBBEN	USA	40.59	MIEKO YUASA	JPN	400 M. I.M.		
1:11.69	MA CARMEN NAVARRO	ESP	2:28.49	ALYSON FORDHAM	GBR	40.61	BETH A ESTEL	USA	5:57.76	BONNIE L SPIVEY	USA
1:11.93	KARLYN A PIPES	USA	2:29.71	H.KULA-PRZEWANSK	GBR	40.63	TORILL BERGESEN	NOR	5:59.72	COLETTE M CRABBE	USA
1:12.08	S.REIBEL-OBERLE	GER	2:32.76	MA RAMONA GUILLEN	ESP	40.68	VERITY DOBBIE	GBR	6:08.94	SUSANNA SORDELLI	ITA
1:12.11	HELEN SMITH	SWE	2:33.08	A.PIJTAK-RADERSMA	NED	40.89	AVILA RHODES	CAN	6:13.06	AMANDA HEATH	GBR
1:12.60	S. PALMER-WHITE	AUS	2:33.34	JOAN EDWARDS	GBR	100 M. BRST			6:17.38	ESTHER ISEPPI	GBR
1:13.23	MONICA VACCARI	ITA	2:34.32	KAREN L EINSIDLER	USA	1:25.16	DAGMAR FRESE	GER	6:25.50	KAREN L EINSIDLER	USA
1:13.37	CHANTAL VENNE	CAN	2:34.48	SUSAN INGRAHAM	USA	1:26.85	AMANDA HEATH	GBR	6:26.32	KEIKO UTSUMI	JPN
1:13.40	D.PEDACCHIOLA	ITA	2:34.53	SUSANNA SORDELLI	ITA	1:26.94	KAREN M MAREB	USA	6:27.25	KIKUKO KOBAYASHI	JPN
1:14.37	ANDREA J BLOCK	USA	2:34.93	TRACY L GRILLI	USA	1:27.03	VERA CIVINOVA	CZE	6:33.68	PATTY VERHAGEN	NED
200 M. FLY			400 M. FREE			1:27.30	ELIN KNAG	NOR	6:35.64	MASUMI SATO	JPN
2:33.91	S. PALMER-WHITE	AUS	5:09.53	BONNIE L SPIVEY	USA	1:27.55	ESTHER ISEPPI	GBR	*****		
2:33.98	LYNN MARSHALL	CAN	5:15.48	JOAN EDWARDS	GBR	1:28.29	LOLI BALBUENA	ESP	WOMEN 65-69		
2:39.54	S.REIBEL-OBERLE	GER	5:16.48	VERONICA HIBBEN	USA	1:28.44	KEIKO UTSUMI	JPN	*****		
2:42.28	D.PEDACCHIOLA	ITA	5:18.98	ALYSON FORDHAM	GBR	1:28.50	BETH A ESTEL	USA	50 M. FREE		
2:46.10	JUDITH PEARSON	GBR	5:19.38	COLETTE M CRABBE	USA	1:29.18	MIEKO YUASA	JPN	29.44	PENNY P NOYES	USA
2:46.75	ROBYN CROTTY	NZL	5:21.08	SUSANNA SORDELLI	ITA	200 M. BRST			29.78	LAURA B VAL	USA
2:46.92	ARLENE DELMAGE	USA	5:22.41	KAREN L EINSIDLER	USA	3:09.91	COLETTE M CRABBE	USA	30.76	LYNN MORRISON	USA
2:47.07	JUDY BROWN	GBR	5:22.92	A.PIJTAK-RADERSMA	NED	3:10.49	ESTHER ISEPPI	GBR	31.92	CAROLE SMITH	ITA
2:48.41	CHANTAL VENNE	CAN	5:23.77	LOLI BALBUENA	ESP	3:10.82	KAREN M MAREB	USA	32.04	ANGELA ZINGLER	GER
2:52.88	M.MAURISCHAT	GER	5:24.71	SUSAN INGRAHAM	USA	3:10.96	AMANDA HEATH	GBR	32.06	REGULA STEIGER	SUI
100 M. I.M.			800 M. FREE			3:17.04	DAGMAR FRESE	GER	32.34	CECILIA MCCLOSKEY	USA
1:10.05	ELLEN M REYNOLDS	USA	10:18.29	JENNY WHITELEY	AUS	3:18.03	MASUMI SATO	JPN	32.44	SUSAN HODGE	GBR
1:11.51	HOLLY GREEN BLAIR	USA	10:24.43	BONNIE L SPIVEY	USA	3:19.25	AVILA RHODES	CAN	32.75	ANDRA JAUNZEME	USA
1:12.94	S.REIBEL-OBERLE	GER	10:50.02	JOAN EDWARDS	GBR	3:19.67	IRINA SHANGINA	RUS	32.95	YURI SUETSUGU	JPN
1:14.15	AMY JO RIEGER	PUR	11:02.02	KAREN L EINSIDLER	USA	3:20.10	MIEKO YUASA	JPN	100 M. FREE		
1:14.98	SARAH MACDONALD	CAN	11:03.43	LOLI BALBUENA	ESP	3:20.92	HIROKO ISHII	JPN	1:08.80	CHARLOTTE M DAVIS	USA
1:15.57	LISA A WARD	USA	11:13.49	MA RAMONA GUILLEN	ESP	50 M. FLY			1:12.12	YURI SUETSUGU	JPN
1:15.58	MARJAN LANGE	NED	11:15.25	VERONICA HIBBEN	USA	31.24	TRACI S GRANGER	USA	1:12.84	NANCY MARTIN	USA
1:15.68	IKUKO TAKATANI	JPN	11:15.63	CHARLENE O'BRIEN	USA	32.75	JENNY WHITELEY	AUS	1:13.21	CONNY BOER-BUIJS	NED
1:15.73	MARIA NORBERG	SWE	11:15.74	SUSAN INGRAHAM	USA	33.24	VERONICA HIBBEN	USA			



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

1:14.20	JAYNE STEPHENSON	GBR	3:10.75	K.TUNNICLIFFE	GBR	3:00.14	CECILIA MCCLOSKEY	USA	24:57.56	ROSA MONTAGUE	AUS
1:14.53	S.LOFTUS-CHARLEY	USA	50 M. BRST			3:02.86	ANDRA JAUNZEME	USA	25:18.38	JOANNE MENARD	USA
1:14.65	C.NIEUWENHUIS	NED	40.66	SALLY SHIELDS	GBR	3:03.19	AUDREY COOPER	GBR	25:41.75	ROSE DUDENEY	GBR
1:14.91	JOAN L PFINSGRAFF	USA	41.33	CAROLE SMITH	ITA	3:06.97	S.LOFTUS-CHARLEY	USA	26:01.35	DENISE FELTZ	FRA
1:15.50	HEATHER C LAMBERT	USA	41.55	LO D KNAPP	USA	3:07.91	LAURA VACA	MEX	26:16.07	FUMIKO OGAWA	JPN
1:15.73	BARBARA E CHURCH	USA	42.11	KEIKO IKEDA	JPN	3:10.14	JUNKO SATO	JPN	26:27.40	CHRISTINE JOLLY	ITA
200 M. FREE			42.50	E.BRUUSGAARD	NOR	3:13.34	KAREN BIERWERT	USA	50 M. BACK		
2:33.72	NANCY MARTIN	USA	42.86	REGULA STEIGER	SUI	400 M. I.M.			38.99	DIANN UUSTAL	USA
2:39.99	LAURA VACA	MEX	42.96	LAURA B VAL	USA	6:23.70	AUDREY COOPER	GBR	39.77	MARGARET H TOPPEL	USA
2:40.17	INEKE WEEKERS	NED	43.04	PETRA SCHROER	GER	6:24.60	NANCY MARTIN	USA	40.13	TAKAKO NAKAMORI	JPN
2:40.55	YURI SUETSUGU	JPN	43.08	ULRIKE URBANIAK	GER	6:27.60	S.LOFTUS-CHARLEY	USA	40.70	RACHEL BARTON	GBR
2:40.73	DIANA NASH	GBR	43.24	NICOLE BRANCHAUD	CAN	6:34.46	CECILIA MCCLOSKEY	USA	41.44	BITTE AXLING	SWE
2:41.14	S.LOFTUS-CHARLEY	USA	100 M. BRST			6:37.52	JOAN L PFINSGRAFF	USA	41.61	MARGIT OHLSSON	SWE
2:41.24	AUDREY COOPER	GBR	1:29.76	LO D KNAPP	USA	6:43.10	JUNKO SATO	JPN	41.97	KIRA MAKAROVA	RUS
2:41.76	JAYNE STEPHENSON	GBR	1:31.53	SALLY SHIELDS	GBR	6:46.40	JAYNE STEPHENSON	GBR	42.33	ALISON GWYNN	GBR
2:42.51	CHRISTIE CIRAULO	USA	1:32.00	CHARLOTTE M DAVIS	USA	7:05.95	KRIS WINGENROTH	USA	42.34	SANDERINA KRUGER	RSA
2:42.92	ANNE BOURNE	GBR	1:32.61	E.BRUUSGAARD	NOR	7:07.46	RONDA NISMAN	ISR	42.48	Y.TOBISLEONOV	ISR
400 M. FREE			1:32.66	ULRIKE URBANIAK	GER	7:11.84	YOSHIMI NONOSHITA	JPN	100 M. BACK		
5:21.37	NANCY MARTIN	USA	1:34.17	KEIKO IKEDA	JPN	*****			1:26.45	DIANN UUSTAL	USA
5:25.90	CHRISTIE CIRAULO	USA	1:34.37	JENNIFER MERRITT	GBR	*****			1:29.65	RACHEL BARTON	GBR
5:33.65	S.LOFTUS-CHARLEY	USA	1:34.56	INEKE WEEKERS	NED	*****			1:30.77	TAKAKO NAKAMORI	JPN
5:34.18	AUDREY COOPER	GBR	1:35.16	JANETTE JEFFREY	AUS	*****			1:34.05	ANKE KLATT	GER
5:39.45	ANNE BOURNE	GBR	1:35.79	AUDREY COOPER	GBR	50 M. FREE			1:36.00	ALISON GWYNN	GBR
5:41.56	INEKE WEEKERS	NED	200 M. BRST			33.10	SANDERINA KRUGER	RSA	1:36.72	MIITSUYO SAKAGAMI	JPN
5:44.60	JAYNE STEPHENSON	GBR	3:10.94	LO D KNAPP	USA	33.39	YOSHIKO KADOSAKA	JPN	1:36.92	MARIE STVERAKOVA	CZE
5:50.01	CONNY BOER-BUIJS	NED	3:21.69	E.BRUUSGAARD	NOR	33.92	BITTE AXLING	SWE	1:37.46	RUTH Y SHAPS	USA
5:54.50	HELLA VERSFELD	CAN	3:22.25	AUDREY COOPER	GBR	34.43	DIANN UUSTAL	USA	1:37.82	CORRIE VERHOEVEN	NED
5:54.55	SUSAN HAIGH	GBR	3:23.23	INEKE WEEKERS	NED	34.82	MARGARETA RAINER	SWE	1:37.97	CHRISTIE ALTMAN	USA
800 M. FREE			3:26.54	JENNIFER MERRITT	GBR	34.93	KIRA MAKAROVA	RUS	200 M. BACK		
10:54.15	NANCY MARTIN	USA	3:28.56	NICOLE BRANCHAUD	CAN	34.97	AKIKO IWAMIZU	JPN	3:09.52	DIANN UUSTAL	USA
11:09.56	CHRISTIE CIRAULO	USA	3:31.39	SUSANNE OSTGATHE	GER	34.98	JULIANNA HOLBROOK	USA	3:18.43	ANKE KLATT	GER
11:20.80	S.LOFTUS-CHARLEY	USA	3:35.87	S.LOFTUS-CHARLEY	USA	35.14	CHRISTIE ALTMAN	USA	3:18.77	RACHEL BARTON	GBR
11:23.58	LAURA VACA	MEX	3:38.92	PASCALE CREANCE	FRA	35.16	TRACY CLARKSON	AUS	3:20.29	LILIA VACA	MEX
11:24.76	AUDREY COOPER	GBR	3:39.96	NATHALIE MACAIRE	FRA	100 M. FREE			3:23.03	TAKAKO NAKAMORI	JPN
11:33.57	INEKE WEEKERS	NED	50 M. FLY			1:12.04	SANDERINA KRUGER	RSA	3:26.46	CHRISTIE ALTMAN	USA
11:36.38	ANNE BOURNE	GBR	32.57	PENNY P NOYES	USA	1:15.37	DIANN UUSTAL	USA	3:27.55	MARCIA L BARRY	USA
12:10.18	JUNKO SATO	JPN	33.14	LAURA B VAL	USA	1:16.81	MARGARET H TOPPEL	USA	3:27.59	RUTH Y SHAPS	USA
12:20.30	CONNY BOER-BUIJS	NED	34.11	CHRISTIE CIRAULO	USA	1:17.24	AKIKO IWAMIZU	JPN	3:28.90	KOTOE MATSUMOTO	JPN
12:24.54	SUSAN HAIGH	GBR	35.38	ANGELA ZINGLER	GER	1:17.59	MARGARETA RAINER	SWE	3:29.03	N.MIKHAYLOVA	RUS
1500 M. FREE			36.15	ANDRA JAUNZEME	USA	1:18.25	KIRA MAKAROVA	RUS	50 M. BRST		
20:40.41	NANCY MARTIN	USA	36.83	SUMIKO KOBAYASHI	JPN	1:18.59	NOBUKO SATA	JPN	43.66	NOBUKO YASUDA	JPN
21:01.04	CHRISTIE CIRAULO	USA	37.24	JUTTA MEEUW	GER	1:18.91	RUTH Y SHAPS	USA	44.44	TOTH CSANADINE	HUN
21:15.29	S.LOFTUS-CHARLEY	USA	37.25	REGULA STEIGER	SUI	1:19.83	JULIANNA HOLBROOK	USA	45.22	ANNE ROSE TROBISCH	GER
22:01.25	ANNE BOURNE	GBR	37.82	C.NIEUWENHUIS	NED	1:20.57	AIDA BALBUENA	PER	45.32	KIRA MAKAROVA	RUS
22:28.25	JAYNE STEPHENSON	GBR	38.04	RONDA NISMAN	ISR	200 M. FREE			45.49	MACHIKO OGATA	JPN
22:46.28	JUNKO SATO	JPN	100 M. FLY			2:47.23	DIANN UUSTAL	USA	45.56	BEA SWIJNENBERG	NED
22:54.35	INEKE WEEKERS	ESP	1:13.47	LAURA B VAL	USA	2:51.11	MARGARETA RAINER	SWE	45.70	BITTE AXLING	SWE
22:52.11	JOAN P CRAFFEY	USA	1:14.84	PENNY P NOYES	USA	2:52.81	LILIA VACA	MEX	45.88	MASAKO KAITO	JPN
23:53.50	GRAZIA GAVOGLIO	ITA	1:21.72	CECILIA MCCLOSKEY	USA	2:57.17	NOBUKO SATA	JPN	46.63	CORRIE VERHOEVEN	NED
24:11.85	SALLY K GUTHRIE	USA	1:23.67	ANDRA JAUNZEME	USA	2:58.79	AIDA BALBUENA	PER	46.66	BRIGITTE MERTEN	GER
50 M. BACK			1:26.01	LAURA VACA	MEX	2:59.10	ANN B LYTTLE	USA	100 M. BRST		
33.41	LAURA B VAL	USA	1:26.36	CHRISTIE CIRAULO	USA	2:59.57	JUNE CARSON	USA	1:37.10	NOBUKO YASUDA	JPN
36.35	PENNY P NOYES	USA	1:27.40	JUNKO SATO	JPN	2:59.62	ALISON GWYNN	GBR	1:40.37	TOTH CSANADINE	HUN
36.37	JOAN L PFINSGRAFF	USA	1:28.29	YURI SUETSUGU	JPN	3:00.17	ROSA SEGARRA	ESP	1:40.77	BRIGITTE MERTEN	GER
37.12	BARBARA E CHURCH	USA	1:29.54	SUMIKO KOBAYASHI	JPN	3:00.27	AKIKO IWAMIZU	JPN	1:41.78	MARGARETA RAINER	SWE
38.16	DIANA NASH	GBR	1:30.25	S.LOFTUS-CHARLEY	USA	400 M. FREE			1:42.89	BEA SWIJNENBERG	NED
38.45	BENEDICTE DUPREZ	FRA	200 M. FLY			6:04.18	MARGARETA RAINER	SWE	1:43.53	ANNE ROSE TROBISCH	GER
38.71	NANCY MARTIN	USA	3:02.57	NANCY MARTIN	USA	6:11.59	ROSA SEGARRA	ESP	1:44.43	ROSA SEGARRA	ESP
38.75	LINDA HUNT	CAN	3:09.71	S.LOFTUS-CHARLEY	USA	6:15.36	MARCIA L BARRY	USA	1:45.01	MARIJKE ALDERSON	AUS
39.04	K.TUNNICLIFFE	GBR	3:15.84	JUNKO SATO	JPN	6:15.48	CHRISTIE M HAYES	USA	1:45.41	JANET GETTLING	USA
39.23	S. SWIRE-THOMPSON	AUS	3:17.04	CHRISTIE CIRAULO	USA	6:17.01	RUTH Y SHAPS	USA	1:45.91	HELGA REISER	GER
100 M. BACK			3:18.36	HELLA VERSFELD	CAN	6:22.44	BARBARA G DUNBAR	USA	200 M. BRST		
1:13.98	LAURA B VAL	USA	3:19.62	LAURA VACA	MEX	6:26.59	JOANNE MENARD	USA	3:27.07	NOBUKO YASUDA	JPN
1:17.99	JOAN L PFINSGRAFF	USA	3:20.77	KRIS WINGENROTH	USA	6:28.25	JUNE CARSON	USA	3:38.49	TOTH CSANADINE	HUN
1:19.47	BARBARA E CHURCH	USA	3:20.94	YURI SUETSUGU	JPN	6:28.44	ROSA MONTAGUE	AUS	3:44.23	MARGARETA RAINER	SWE
1:22.70	DIANA NASH	GBR	3:26.20	AUDREY COOPER	GBR	6:32.04	KATHY M SLIFER	USA	3:46.78	BEA SWIJNENBERG	NED
1:23.25	LO D KNAPP	USA	3:30.33	JAYNE STEPHENSON	GBR	800 M. FREE			3:46.87	MARIJKE ALDERSON	AUS
1:24.65	BENEDICTE DUPREZ	FRA	100 M. I.M.			12:30.04	MARGARETA RAINER	SWE	3:49.53	JANET GETTLING	USA
1:25.26	LINDA HUNT	CAN	1:15.65	PENNY P NOYES	USA	12:32.91	CAROLYN BOAK	USA	3:50.05	STELA HOLDSHTEIN	ISR
1:26.53	LINDA P FULTON	USA	1:16.42	LAURA B VAL	USA	12:42.88	LILIA VACA	MEX	3:50.09	TAMAE FURUYA	JPN
1:26.72	S. SWIRE-THOMPSON	AUS	1:22.72	ANDRA JAUNZEME	USA	12:43.75	RUTH Y SHAPS	USA	3:52.46	CHIKO YOSHIO	JPN
1:27.72	HELLA VERSFELD	CAN	1:22.83	CHARLOTTE M DAVIS	USA	12:51.36	MARCIA L BARRY	USA	3:54.21	TAT'YANA BAGAEVA	RUS
200 M. BACK			1:24.27	DIANA NASH	GBR	13:05.99	JOANNE MENARD	USA	50 M. FLY		
2:48.83	JOAN L PFINSGRAFF	USA	1:26.68	NANCY MARTIN	USA	13:06.98	BARBARA G DUNBAR	USA	37.10	DIANN UUSTAL	USA
3:00.02	NANCY MARTIN	USA	1:27.73	LINDA HUNT	CAN	13:12.75	JUNE CARSON	USA	37.71	YOSHIKO KADOSAKA	JPN
3:01.41	DIANA NASH	GBR	1:28.14	JUNKO SATO	JPN	13:34.13	STELA HOLDSHTEIN	ISR	38.82	KIRA MAKAROVA	RUS
3:03.46	LINDA HUNT	CAN	1:28.26	C.NIEUWENHUIS	NED	13:42.78	DIETLIND WEISE	GER	39.21	YUMIKO YAMAZAKI	JPN
3:05.51	JOAN P CRAFFEY	USA	1:28.41	LENKA NOITZ	GER	1500 M. FREE			39.40	BRIGITTE MERTEN	GER
3:05.95	HELLA VERSFELD	CAN	200 M. I.M.			24:03.42	RUTH Y SHAPS	USA	39.86	BITTE AXLING	SWE
3:07.36	LINDA P FULTON	USA	2:46.04	LAURA B VAL	USA	24:11.38	MARGARETA RAINER	SWE	40.79	Y.TOBISLEONOV	ISR
3:07.59	AUDREY COOPER	GBR	2:56.80	CHARLOTTE M DAVIS	USA	24:12.92	MARCIA L BARRY	USA	40.82	HARUE OZAWA	JPN
3:08.73	S.LOFTUS-CHARLEY	USA	2:57.85	LO D KNAPP	USA	24:51.92	BARBARA G DUNBAR	USA	40.84	JOANNE MENARD	USA



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

40.96 DANIELE WILMART	FRA	200 M. FREE	49.40 M.TOMASI	FRA	4:09.81 NORIKO TAKEDA	JPN	
100 M. FLY		3:09.58 E.KETELSEN	DEN	49.43 GEORGINA LOPEZ	CAN	400 M. I.M.	
1:29.53 KIRA MAKAROVA	RUS	3:10.73 M.LANTHIER	CAN	49.98 KIYOKO YONEDA	JPN	7:10.09 CLARY MUNNS	AUS
1:34.90 BRIGITTE MERTEN	GER	3:12.65 CLARY MUNNS	AUS	50.53 SEIKO HASEBE	JPN	7:42.05 DANIELA BARNEA	USA
1:38.27 KOTOE MATSUMOTO	JPN	3:15.25 NORIKO YOSHIDA	JPN	52.16 LUISA BASTO	POR	8:19.88 SEIKO HASEBE	JPN
1:38.47 YUMIKO YAMAZAKI	JPN	3:16.65 KEIKO NAKAO	JPN	52.30 LINDY SALTER	AUS	8:40.42 SUSAN L MEYERS	USA
1:42.76 JOANNE MENARD	USA	3:19.38 JUDY WILSON	FRA	100 M. BRST		9:09.85 V.AUDOUIN	FRA
1:46.57 ALISON GWYNN	GBR	3:22.91 PIROSKA WEIDINGER	HUN	1:39.90 DIANE FORD	GBR	9:19.90 LYNNE LUND	USA
1:48.89 TRACY CLARKSON	AUS	3:23.33 DANIELA BARNEA	USA	1:41.49 CLARY MUNNS	AUS	9:20.05 KUMIKO GOTO	JPN
1:49.43 BARBARA ARMATYS	CAN	3:25.95 HERILENE FREITAS	BRA	1:43.58 DANIELA BARNEA	USA	9:32.62 NOBUKO HIGUCHI	JPN
1:49.87 ROSA MONTAGUE	AUS	3:26.12 KAZUKO ITO	JPN	1:50.68 SEIKO HASEBE	JPN	9:32.86 KUMIE YAMAMOTO	JPN
1:50.33 MARILYN DOUGLASS	USA	400 M. FREE		1:52.67 JEN THOMASSON	AUS	9:42.00 JANE KATZ	USA
200 M. FLY		6:47.59 E.KETELSEN	DEN	1:52.74 MONIKA SENFTLEBEN	GER		
4:00.38 JANET GETTLING	USA	6:56.79 M.LANTHIER	CAN	1:53.08 KIYOKO YONEDA	JPN	*****	
4:06.37 PATRICIA JACKSON	GBR	6:58.83 RITSUKO SUGIMURA	JPN	1:53.72 M.TOMASI	FRA	*****	
4:09.71 BABS H LARSEN	USA	7:01.00 JUDY WILSON	FRA	1:55.07 ELSBETH FLICK	GER	*****	
4:15.94 BARBARA ARMATYS	CAN	7:10.09 CLARY MUNNS	AUS	1:55.81 LUISA BASTO	POR	50 M. FREE	
4:21.91 MARIA MELIS	ITA	7:10.79 KATSUE NOMURA	JPN	200 M. BRST		37.02 YOSHIKO OSAKI	JPN
4:22.86 HIROMI KAKIMOTO	JPN	7:11.81 LUISA BASTO	POR	3:39.58 DIANE FORD	GBR	40.60 FUSAKO HIROOKA	JPN
4:26.68 CYNTHIA L DUTRO	USA	7:23.74 ANNE KREISEL	GER	3:44.13 CLARY MUNNS	AUS	42.63 YUKO OTSUKA	JPN
4:27.04 MOLLY MYERS	USA	7:24.08 KUMIKO GOTO	JPN	3:45.84 DANIELA BARNEA	USA	42.74 LOTTIE GEURTS	NED
4:27.51 NORIKO SHINTANI	JPN	7:24.83 DANIELA BARNEA	USA	4:00.91 MIRJANA PRATHER	USA	43.45 HELI PAALOSALO	FIN
4:32.20 JAMIE STEWART	USA	800 M. FREE		4:07.52 M.TOMASI	FRA	43.92 LINDA MACPHERSON	CAN
100 M. I.M.		13:56.32 E.KETELSEN	DEN	4:08.76 SEIKO HASEBE	JPN	44.15 SUSAN LEUNER	RSA
1:27.72 KIRA MAKAROVA	RUS	14:41.95 KATSUE NOMURA	JPN	4:09.40 LUISA BASTO	POR	44.93 HIDEKO SASAKI	JPN
1:29.96 BRIGITTE MERTEN	GER	15:11.58 HATSUHO KUMAGAI	JPN	4:15.77 DOROTHY SIMMONS	AUS	44.93 KAZU KOYAMA	JPN
1:31.88 Y.TOBISLEONOV	ISR	15:17.85 ELIZABETH SAVIDGE	GBR	4:16.86 MONIKA WARNUSZ	GER	45.00 INGRID KONIG	GER
1:32.91 MARGARETA RAINER	SWE	15:20.27 LYNNE LUND	USA	4:17.50 JOY PAGE	AUS	100 M. FREE	
1:33.40 CORRIE VERHOEVEN	NED	15:27.92 BERYL ALTABAS	ESP	50 M. FLY		1:36.05 TAYO FUJIEDA	JPN
1:34.22 BITTE AXLING	SWE	15:37.37 LAURA FAUCCI	ITA	38.17 JUDY WILSON	FRA	1:36.38 LINDA MACPHERSON	CAN
1:34.70 TRACY CLARKSON	AUS	15:40.92 KUMIKO GOTO	JPN	40.14 CLARY MUNNS	AUS	1:36.54 LOTTIE GEURTS	NED
1:35.46 TOTH CSANADINE	HUN	15:43.20 ANNE KREISEL	GER	44.49 CHRISTEL SCHULZ	GER	1:38.73 HELGA REICH	GER
1:35.85 NOBUKO YASUDA	JPN	15:44.22 WILLIJ KOKOTT	RSA	45.34 DANIELA BARNEA	USA	1:38.93 HISAKO KITAYAMA	JPN
1:35.88 KOTOE MATSUMOTO	JPN	1500 M. FREE		45.57 KIYOKO YONEDA	JPN	1:39.01 ANNE H WILLIAMS	USA
200 M. I.M.		27:53.08 KATSUE NOMURA	JPN	46.32 GEORGINA LOPEZ	CAN	1:39.41 MARIA PENNA	BRA
3:12.50 KIRA MAKAROVA	RUS	28:30.98 KUMIKO GOTO	JPN	47.77 DIANE FORD	GBR	1:40.13 HELI PAALOSALO	FIN
3:21.03 BRIGITTE MERTEN	GER	29:14.50 BERYL ALTABAS	ESP	48.40 UTE FEHLING	GER	1:41.12 KAZU KOYAMA	JPN
3:23.70 CAROLYN BOAK	USA	29:24.81 ELIZABETH SAVIDGE	GBR	48.62 SUSAN L MEYERS	USA	1:42.21 SUSAN LEUNER	RSA
3:26.14 MARGARETA RAINER	SWE	29:41.54 LAURA FAUCCI	ITA	49.19 KAKEYA YASUE	JPN	200 M. FREE	
3:27.29 TRACY CLARKSON	AUS	29:59.32 JANE KATZ	USA	100 M. FLY		3:02.16 YOSHIKO OSAKI	JPN
3:27.72 Y.TOBISLEONOV	ISR	30:51.98 KEIKO MIHARA	JPN	1:30.03 JUDY WILSON	FRA	3:25.56 ANNE H WILLIAMS	USA
3:27.99 TOTH CSANADINE	HUN	30:58.02 SUSAN L MEYERS	USA	1:40.06 CLARY MUNNS	AUS	3:27.87 LINDA MACPHERSON	CAN
3:29.39 KOTOE MATSUMOTO	JPN	31:09.29 SUE POLLARD	NZL	1:46.04 DANIELA BARNEA	USA	3:30.81 TAYO FUJIEDA	JPN
3:32.64 KATHY M SLIFER	USA	31:15.36 MONIQUE VERNEY	FRA	1:47.96 DIANE FORD	GBR	3:32.31 MARIA PENNA	BRA
3:33.90 CHRISTIE M HAYES	USA	50 M. BACK		1:53.20 SEIKO HASEBE	JPN	3:33.27 HELGA REICH	GER
400 M. I.M.		39.01 CLARY MUNNS	AUS	1:56.28 SUSAN L MEYERS	USA	3:42.54 LOTTIE GEURTS	NED
7:14.68 CAROLYN BOAK	USA	43.35 HIROMI SATO	JPN	2:00.14 MARSHA REDDIE	AUS	3:44.37 UTE REMENYI	AUT
7:44.34 STELA HOLDSHTAIN	ISR	44.98 NORIKO YOSHIDA	JPN	2:01.25 JANET MASTERS	GBR	3:48.19 URSULA FROHLICH	GER
7:54.35 RITSUKO KUROSAWA	JPN	45.93 JEN THOMASSON	AUS	2:02.92 HARU TSUKINO	JPN	3:48.93 RINKO SAKAI	JPN
7:56.22 PATRICIA JACKSON	GBR	46.12 CHRIS S GILLIGAN	USA	2:06.38 JOY WARD	USA	400 M. FREE	
8:04.85 BARBARA ARMATYS	CAN	46.52 CHRISTEL SCHULZ	GER	200 M. FLY		6:23.17 YOSHIKO OSAKI	JPN
8:05.77 MARILYN DOUGLASS	USA	46.65 RENATE ZSCHOCKELT	GER	3:34.50 CLARY MUNNS	AUS	7:20.44 LINDA MACPHERSON	CAN
8:13.04 ELIZABETH CRAIG	RSA	46.73 G.JANSSSENS	RSA	3:57.22 DANIELA BARNEA	USA	7:22.51 ANNE H WILLIAMS	USA
8:13.62 FUJIKO HATTORI	JPN	46.75 JOY WARD	USA	4:08.54 SEIKO HASEBE	JPN	7:24.67 HELGA REICH	GER
8:16.89 DENISE FELTZ	FRA	46.89 JUDY WILSON	FRA	4:20.46 SUSAN L MEYERS	USA	7:25.81 MARIA PENNA	BRA
8:19.99 MOLLY MYERS	USA	100 M. BACK		4:22.32 MARSHA REDDIE	AUS	7:34.57 TAYO FUJIEDA	JPN
		1:27.40 CLARY MUNNS	AUS	4:59.51 MARIA COSTA	BRA	7:43.50 UTE REMENYI	AUT
*****		1:34.76 NORIKO YOSHIDA	JPN	5:03.79 V.AUDOUIN	FRA	7:49.76 YOSHIKO IZUMINAGA	JPN
*****		1:35.39 E.KETELSEN	DEN	5:06.03 HIROKO KOBAYASHI	JPN	7:58.64 URSULA FROHLICH	GER
*****		1:39.88 CHRIS S GILLIGAN	USA	5:16.57 IVANA FELGROVA	CZE	8:01.97 SUSAN LEUNER	RSA
50 M. FREE		1:41.19 JOY WARD	USA	5:17.39 LYNNE LUND	USA	800 M. FREE	
35.52 IKUKO OKADO	JPN	1:41.95 GERDA WILLIAMS	AUS	100 M. I.M.		14:56.40 ANNE H WILLIAMS	USA
35.74 CLARY MUNNS	AUS	1:43.86 RENATE ZSCHOCKELT	GER	1:27.96 CLARY MUNNS	AUS	15:19.18 TAYO FUJIEDA	JPN
36.09 M.LANTHIER	CAN	1:44.22 YOKO ARAI	JPN	1:38.99 DANIELA BARNEA	USA	15:33.96 MARIA PENNA	BRA
36.18 GEORGINA LOPEZ	CAN	1:44.71 KAZUKO ITO	JPN	1:39.90 CHRISTEL SCHULZ	GER	16:24.21 URSULA FROHLICH	GER
36.59 JUDY WILSON	FRA	1:45.43 G.JANSSSENS	RSA	1:42.38 RENATE ZSCHOCKELT	GER	16:35.64 SUSAN LEUNER	RSA
37.64 E.KETELSEN	DEN	200 M. BACK		1:43.77 LINDY SALTER	AUS	16:47.39 MARGIT H JEBE	USA
37.73 CHRISTEL SCHULZ	GER	3:12.65 CLARY MUNNS	AUS	1:48.23 KIYOKO YONEDA	JPN	17:11.32 MARIE SMITS	NED
38.19 JEN THOMASSON	AUS	3:19.99 NORIKO YOSHIDA	JPN	1:48.28 JOY WARD	USA	17:59.91 MAE WALDIE	CAN
39.14 TOSHIE NODA	JPN	3:26.76 E.KETELSEN	DEN	1:48.59 SEIKO HASEBE	JPN	18:13.91 SANDRA LEA	GBR
39.71 MASAKO KOHA	JPN	3:31.66 JEN THOMASSON	AUS	1:48.67 JUDY WILSON	FRA	18:22.84 PATRICIA F ARNOLD	USA
100 M. FREE		3:37.43 JOY WARD	USA	1:49.91 TOSHIE NODA	JPN	1500 M. FREE	
1:21.12 CLARY MUNNS	AUS	3:38.62 CHRIS S GILLIGAN	USA	200 M. I.M.		28:05.55 LINDA MACPHERSON	CAN
1:22.54 M.LANTHIER	CAN	3:41.49 KAZUKO ITO	JPN	3:16.79 CLARY MUNNS	AUS	28:07.36 ANNE H WILLIAMS	USA
1:23.83 E.KETELSEN	DEN	3:41.94 G.JANSSSENS	RSA	3:34.05 DANIELA BARNEA	USA	32:32.27 MARIE SMITS	NED
1:25.92 GEORGINA LOPEZ	CAN	3:43.57 HERILENE FREITAS	BRA	3:53.55 SEIKO HASEBE	JPN	33:46.82 JENNY BALL	GBR
1:26.48 JUDY WILSON	FRA	3:46.89 DANIELA BARNEA	USA	4:00.59 HERILENE FREITAS	BRA	35:19.31 PATRICIA F ARNOLD	USA
1:27.36 CHRISTEL SCHULZ	GER	50 M. BRST		4:00.92 LUISA BASTO	POR	35:43.37 YOSHIE YUZAWA	JPN
1:28.16 KEIKO NAKAO	JPN	45.37 DIANE FORD	GBR	4:01.10 JOY WARD	USA	36:12.65 MARTHA HENDERSON	USA
1:28.60 RITSUKO SUGIMURA	JPN	46.24 CLARY MUNNS	AUS	4:06.78 KAORI WATANABE	JPN	39:26.79 PATRICIA HASTINGS	USA
1:30.30 NORIKO YOSHIDA	JPN	47.97 DANIELA BARNEA	USA	4:07.97 MOMOYO MOROI	JPN	45:45.07 SYLVIA GLENN	USA
1:33.52 JEAN HOWARD-JONES	GBR	48.40 MONIKA SENFTLEBEN	GER	4:09.60 SUSAN L MEYERS	USA	51:41.81 BARBARA PEARCE	AUS



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

50	M. BACK		2:27.47	PATRICIA TULLMAN	USA	11:21.98	MAREN PISKORA	GER	52.13	K.FLORA-OROSZ	HUN
51.36	UTE REMENYI	AUT	2:29.02	MARIE SMITS	NED	11:23.06	SHEILA NAIMAN	CAN	56.42	JUDIE OLIVER	CAN
51.63	KAZU KOYAMA	JPN	2:46.09	KAZUKO HIRATA	JPN	11:31.19	JOY COCHRANE	GBR	1:00.14	JANE ASHER	GBR
51.70	KIYOKO YOFU	JPN	2:49.40	MARTHA HENDERSON	USA	800 M. FREE			1:19.47	BARBARA CALLISON	USA
52.56	ALICE KINNAIRD	AUS	3:13.24	MIDORI KASHIMA	JPN	18:57.50	ELIANE PELLIS	BEL	1:20.20	YORIKO IINO	JPN
53.25	HIROKO OBAYASHI	JPN	3:32.70	FUSAE MARUYAMA	JPN	19:15.14	EULAH VARTY	CAN	1:22.30	MIYUKI FUJII	JPN
53.32	HIDEKO SASAKI	JPN	200 M. FLY		21:08.64	JOAN K CAMPBELL	USA	1:22.97	CHIYO FUKUSHIMA	JPN	
53.34	MARCELA STASTNA	CZE	5:39.35	FUMIKO NAKAMURA	JPN	26:52.76	B.BOLANOS-MOORE	USA	1:23.49	NADIR TAUBERT	BRA
53.52	SUSAN LEUNER	RSA	5:44.62	KAZUKO HIRATA	JPN	1500 M. FREE			1:24.34	EULAH M VARTY	USA
53.67	TOMIE SAITO	JPN	8:31.65	JUDITH L MORTON	USA	35:19.16	EULAH VARTY	CAN	1:27.37	JANET H MOELLER	USA
53.73	U.MEYER-TONNDORF	GER	8:37.93	FUSAE MARUYAMA	JPN	35:27.38	ELIANE PELLIS	BEL	100 M. FLY		
100 M. BACK			100 M. I.M.			36:01.81	JANE ASHER	GBR	2:14.22	JUDIE OLIVER	CAN
1:40.82	YOSHIKO OSAKI	JPN	1:36.03	YOSHIKO OSAKI	JPN	41:09.70	SHEILA NAIMAN	CAN	3:10.31	NADIR TAUBERT	BRA
1:48.87	UTE REMENYI	AUT	1:48.18	TAYO FUJIEDA	JPN	43:59.12	JOAN K CAMPBELL	USA	3:26.53	CHIYO FUKUSHIMA	JPN
1:51.12	KAZU KOYAMA	JPN	1:53.59	HELI PAALOSALO	FIN	47:49.47	BARBARA ROBBERN	USA	4:15.05	BARBARA EISELE	USA
1:54.59	TOMIE SAITO	JPN	1:53.69	ANNE H WILLIAMS	USA	51:33.19	B.BOLANOS-MOORE	USA	100 M. I.M.		
1:55.82	HIROKO OBAYASHI	JPN	1:54.89	MARCELA STASTNA	CZE	50 M. BACK			1:49.10	KATHARINA FLORA	HUN
1:56.28	ANNE H WILLIAMS	USA	1:56.01	SACHIKO HASESAWA	JPN	47.99	KATHARINA FLORA	HUN	1:57.40	JANE ASHER	GBR
1:57.14	HISAKO KITAYAMA	JPN	1:57.24	YOKO SHIGEMI	JPN	53.42	JANE ASHER	GBR	2:02.99	JUDIE OLIVER	CAN
2:01.15	FUSAKO KATO	JPN	2:00.27	YOSHIKO IZUMINAGA	JPN	56.86	JUDIE OLIVER	CAN	2:16.95	KIKUKO YAMADA	JPN
2:01.15	ANNEMARIE LUDICKE	GER	2:01.61	YUKO OTSUKA	JPN	1:00.63	KEIKO FUJIMOTO	JPN	2:24.44	EULAH VARTY	CAN
2:01.75	SACHIKO HASEGAWA	JPN	2:02.61	HIDEKO SASAKI	JPN	1:01.13	LOIS DENNINGTON	AUS	2:28.61	BARBARA CALLISON	USA
200 M. BACK			200 M. I.M.			1:02.36	CONNY STAMHUIS	CAN	2:35.65	MICHIO TOKANO	JPN
3:49.97	UTE REMENYI	AUT	4:06.69	TAYO FUJIEDA	JPN	1:03.52	JAN FINN	AUS	2:38.88	JANET H MOELLER	USA
4:09.43	HIROKO OBAYASHI	JPN	4:17.92	KAZU KOYAMA	JPN	1:03.66	CHIHIRO SHIGEMURA	JPN	2:49.77	NADIR TAUBERT	BRA
4:09.59	HISAKO KITAYAMA	JPN	4:18.67	SACHIKO HASEGAWA	JPN	1:04.62	EULAH M VARTY	USA	2:50.00	ANN M HIRSCH	USA
4:15.40	FUSAKO KATO	JPN	4:34.58	YUKO OTSUKA	JPN	1:04.94	I.KEUSCH-RENNER	GER	200 M. I.M.		
4:19.20	MARGIT H JEBE	USA	4:36.50	DOROTHY A BURKE	USA	100 M. BACK			3:57.27	KATHARINA FLORA	HUN
4:20.79	EVA JAROSOVA	CZE	4:38.93	YAYOI KANAZASHI	JPN	1:44.18	KATHARINA FLORA	HUN	4:20.02	JANE ASHER	GBR
4:26.11	RITA ANDROSONI	ITA	5:02.73	SANDRA LEA	GBR	2:11.07	KEIKO FUJIMOTO	JPN	5:40.75	NADIR TAUBERT	BRA
4:31.63	ALICE KINNAIRD	AUS	5:04.95	KAZUKO HIRATA	JPN	2:15.91	CONNY STAMHUIS	CAN	5:47.92	MICHIO TOKANO	JPN
4:32.00	KASUMI ISHIKAWA	JPN	5:14.82	AKEMI MURAKOSHI	JPN	2:15.94	EULAH VARTY	CAN	6:27.28	CHIYO FUKUSHIMA	JPN
4:36.35	LAURA S WALKER	USA	5:25.85	MARTHA HENDERSON	USA	2:17.01	ELIANE PELLIS	BEL	6:36.63	JANET H MOELLER	USA
50 M. BRST			400 M. I.M.			2:17.87	JAN FINN	AUS	7:21.72	BARBARA EISELE	USA
49.26	LUISE KNOPFLE	GER	9:16.45	KAZU KOYAMA	JPN	2:18.47	LOIS DENNINGTON	AUS	7:26.26	YOSHIKO KAMO	JPN
50.46	SHOKO YONEZAWA	JPN	9:44.38	DOROTHY A BURKE	USA	2:19.62	TAKAKO SATO	JPN	7:38.22	JOAN K CAMPBELL	USA
50.49	JOANN LEILICH	USA	11:45.54	MARTHA HENDERSON	USA	2:20.29	MICHIO TOKANO	JPN	7:56.98	SACHIKO FUJIKAWA	JPN
51.69	TAYO FUJIEDA	JPN	*****			2:21.13	ELBA TERRAGNO	ARG	400 M. I.M.		
52.74	KAZUKO KAJIWARA	JPN	*****			200 M. BACK			12:04.38	NADIR TAUBERT	BRA
52.80	MASAYO AZUMA	JPN	*****	WOMEN 85-89		3:48.62	KATHARINA FLORA	HUN	15:57.59	BARBARA EISELE	USA
53.73	CYNTHIA ANDRADE	BRA	*****	*****		4:27.36	JANE ASHER	GBR	*****		
54.25	GISELA GRUNER	GER	50 M. FREE			4:53.67	EULAH VARTY	CAN	*****		
54.30	HELI PAALOSALO	FIN	42.30	JANE ASHER	GBR	5:00.59	JAN FINN	AUS	*****	WOMEN 90-94	
54.52	MURIEL HITCHCOCK	GBR	48.52	JUDIE OLIVER	CAN	5:00.61	MICHIO TOKANO	JPN	*****	*****	
100 M. BRST			49.05	UULA-BRITT OBERG	SWE	5:10.15	LOIS DENNINGTON	AUS	50 M. FREE		
1:45.82	LUISE KNOPFLE	GER	49.23	ELIANE PELLIS	BEL	5:20.15	AIKO GOTO	JPN	57.26	MIEKO KAMOSHITA	JPN
1:50.15	JOANN LEILICH	USA	49.96	AIKO HORII	JPN	5:25.80	GLAD BRYCE	CAN	57.73	LIZ WALLIS	AUS
1:52.71	TAYO FUJIEDA	JPN	50.15	DOROTHY DICKEY	AUS	5:28.97	GRACE ISAAC	GBR	59.11	NAN BOHL	USA
1:52.99	MASAYO AZUMA	JPN	51.71	KIKUKO YAMADA	JPN	5:47.25	MAREN PISKORA	GER	1:01.51	HARUE INOE	JPN
2:01.45	CYNTHIA ANDRADE	BRA	52.16	TOYOKO KUGE	JPN	50 M. BRST			1:02.17	RENATE LANGEANI	BRA
2:02.24	MARCELA STASTNA	CZE	52.55	CHIHIRO SHIGEMURA	JPN	56.30	ELIANE PELLIS	BEL	1:03.80	MASAKO SHOJI	JPN
2:02.33	GISELA GRUNER	GER	53.88	BARBARA CALLISON	USA	1:02.93	JANE ASHER	GBR	1:07.26	MARY BROWN	CAN
2:03.58	HELI PAALOSALO	FIN	100 M. FREE			1:04.48	JUDIE OLIVER	CAN	1:09.94	TOMIKO MAKITA	JPN
2:04.60	YOKO MIZUNO	JPN	1:40.58	JANE ASHER	GBR	1:04.97	NADIR TAUBERT	BRA	1:09.96	MARION BEULKE	AUS
2:07.43	YUKO OTSUKA	JPN	1:51.12	DOROTHY DICKEY	AUS	1:07.82	I.KEUSCH-RENNER	GER	1:12.00	JEANNE H MEREDITH	USA
200 M. BRST			1:51.31	JUDIE OLIVER	CAN	1:09.40	MISAKO IKEDA	JPN	100 M. FREE		
4:01.34	JOANN LEILICH	USA	1:53.70	ELIANE PELLIS	BEL	1:09.60	JOAN BIDWELL	NZL	2:10.19	NAN BOHL	USA
4:07.52	MASAYO AZUMA	JPN	1:54.48	KIKUKO YAMADA	JPN	1:09.68	KIKUKO YAMADA	JPN	2:16.97	LIZ WALLIS	AUS
4:10.23	TAYO FUJIEDA	JPN	2:02.41	YORIKO IINO	JPN	1:09.77	CONNY STAMHUIS	CAN	2:26.47	MARY BROWN	CAN
4:29.53	CYNTHIA ANDRADE	BRA	2:02.90	EULAH VARTY	CAN	1:10.50	NORIKO KIMURA	JPN	2:27.27	RENATE LANGEANI	BRA
4:31.43	SACHIKO HASEGAWA	JPN	2:03.52	CHIHIRO SHIGEMURA	JPN	100 M. BRST			3:06.83	M.MAANDONKS	NED
4:37.16	YUKO OTSUKA	JPN	2:04.34	FUMIKO KATOU	JPN	2:08.94	ELIANE PELLIS	BEL	3:07.76	G. MCKENZIE-HICKS	AUS
4:46.95	HIROKO OTANI	JPN	2:06.25	MICHIO TOKANO	JPN	2:16.52	JANE ASHER	GBR	3:17.70	MARGARET CLOUGHER	AUS
4:47.93	MURIEL HITCHCOCK	GBR	200 M. FREE			2:22.99	JUDIE OLIVER	CAN	3:17.74	SUZUKO TAKEMURA	JPN
4:50.50	DOROTHY A BURKE	USA	3:30.12	JANE ASHER	GBR	2:28.30	NORIKO KIMURA	JPN	3:40.83	FLORA WONG	USA
5:14.46	KEIKO NAKAMURA	JPN	4:05.25	DOROTHY DICKEY	AUS	2:30.09	NADIR TAUBERT	BRA	200 M. FREE		
50 M. FLY			4:06.94	AIKO HORII	JPN	2:37.35	JOAN BIDWELL	NZL	4:46.53	LIZ WALLIS	AUS
48.77	LUISE KNOPFLE	GER	4:12.95	ELIANE PELLIS	BEL	2:38.85	I.KEUSCH-RENNER	GER	5:01.10	NAN BOHL	USA
50.56	HISAKO KITAYAMA	JPN	4:25.72	YORIKO IINO	JPN	2:42.45	CLAUDETTE POURRET	FRA	5:23.45	RENATE LANGEANI	BRA
53.64	FUMIKO NAKAMURA	JPN	4:43.40	EULAH VARTY	CAN	2:48.98	EULAH VARTY	CAN	6:42.34	G. MCKENZIE-HICKS	AUS
54.00	MARCELA STASTNA	CZE	4:45.58	JAN FINN	AUS	2:50.14	MAREN PISKORA	GER	9:52.55	FLORA WONG	USA
54.38	HELI PAALOSALO	FIN	4:54.15	JOAN BIDWELL	NZL	200 M. BRST			400 M. FREE		
58.76	YUKIKO YOSHIOKA	JPN	5:00.41	MASAKO KANEKO	JPN	5:03.11	JANE ASHER	GBR	10:22.21	NAN BOHL	USA
58.82	YOSHIKO IZUMINAGA	JPN	5:04.31	SHEILA NAIMAN	CAN	5:16.12	NADIR TAUBERT	BRA	15:00.00	GUDRUN KLOOS	RSA
1:01.18	SAGAMI KAMIJO	JPN	4:00 M. FREE			5:18.52	NORIKO KIMURA	JPN	50 M. BACK		
1:01.68	KIYOKO KOSUGI	JPN	7:36.71	JANE ASHER	GBR	5:44.63	CLAUDETTE POURRET	FRA	1:05.96	LIZ WALLIS	AUS
1:02.50	CYNTHIA ANDRADE	BRA	8:52.66	KIKUKO YAMADA	JPN	5:45.11	JOAN BIDWELL	NZL	1:06.44	NANCY KINNEY	USA
100 M. FLY			9:17.54	ELIANE PELLIS	BEL	6:00.03	EULAH VARTY	CAN	1:16.43	RENATE LANGEANI	BRA
1:59.67	SHOKO YAMADA	JPN	9:20.62	YORIKO IINO	JPN	6:12.69	ANN M HIRSCH	USA	1:16.60	NAN BOHL	USA
2:05.74	MARCELA STASTNA	CZE	9:29.59	MICHIO TOKANO	JPN	6:12.96	MAREN PISKORA	GER	1:17.68	MIE TAKEHARA	JPN
2:14.76	FUMIKO NAKAMURA	JPN	9:43.31	EULAH VARTY	CAN	6:41.61	JANET H MOELLER	USA	1:20.41	TOSHIKO UCHIYAMA	JPN
2:21.30	KYOKO DEJIMA	JPN	10:55.06	JOAN K CAMPBELL	USA	50 M. FLY			1:22.12	MARY BROWN	CAN



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

1:25.34	MARION BEULKE	AUS	11:18.79	CHARLOTTE SANDDAL	USA	24.87	ISKENDER BASLAKOV	USA	55.36	JOSE MARIA	ESP
1:30.08	M.MAANDONKS	NED	100 M. I.M.			25.48	KAZUKI ISHIKAWA	JPN	55.54	SASHA BARTOLO	ITA
1:31.82	FLORA WONG	USA	3:40.57	KALLIS RASMUSSEN	CAN	25.65	MAX CLAUSSEN	GER	55.54	RYOSUKE NEGISHI	JPN
100 M. BACK			4:39.41	CHARLOTTE SANDDAL	USA	25.69	ENSGER KOTTERINK	NED	200 M. FLY		
2:39.15	LIZ WALLIS	AUS	*****			25.93	KALON VEALE	GBR	1:55.36	KO FUKAYA	JPN
2:42.53	RENATE LANGEANI	BRA	*****			26.03	ANDREY TAMBOVSKIY	RUS	2:03.67	J-FRANCOIS ROCHAT	SUI
3:28.83	AMPARO MARTINEZ	ESP	*****	WOMEN 100-104		26.11	PEDRO LUIS	ESP	2:05.37	S.PIERAGOSTINI	ITA
3:30.07	FLORA WONG	USA	*****	*****		100 M. BACK			2:06.08	THOMAS LUCHSINGER	USA
200 M. BACK			*****			53.17	SHOTA TAKESHITA	JPN	2:07.34	FILIPPE VILAR RUI	SUI
5:23.16	NANCY KINNEY	USA	*****			54.67	ENSGER KOTTERINK	NED	2:07.40	FEDERICO FILOSI	ITA
5:30.54	KIMIKO OOKA	JPN	*****	M E N 25-29		55.20	ISKENDER BASLAKOV	USA	2:08.08	BARTEK KARPISZ	GBR
5:58.12	LIZ WALLIS	AUS	*****	*****		55.36	KAZUKI ISHIKAWA	JPN	2:08.14	TATSUYA BANDO	JPN
50 M. BRST			*****	50 M. FREE		55.73	KYOHEI TAKADA	JPN	2:08.56	DARIUS SCHULTZ	AUS
1:09.76	ETSUKO KIMURA	JPN	22.39	MARCIN CIESLAK	USA	56.05	NAOYA MATSUZAWA	JPN	2:09.55	SOUTA OOEZKI	JPN
1:19.53	MASAKO SHOJI	JPN	22.52	YASUHIRO WADA	JPN	56.06	ARTIOM POLIAKOV	POR	100 M. I.M.		
1:19.92	NAN BOHL	USA	22.61	ALEXANDER SMITH	GBR	56.09	MAX CLAUSSEN	GER	55.31	DMITRIY GORBUNOV	RUS
1:20.64	GWENDOLEN KASPAR	ITA	22.65	RYAN FLANAGAN	GBR	56.46	KALON VEALE	GBR	55.41	ENSGER KOTTERINK	NED
1:40.29	AKIKO ONOHARA	JPN	22.68	MARK CAMPBELL	GBR	56.58	JULIEN AROT	FRA	55.76	RYOUTA MAEJIMA	JPN
1:46.23	M.MAANDONKS	NED	22.69	ENSGER KOTTERINK	NED	200 M. BACK			56.09	SHOTA TAKESHITA	JPN
2:02.54	GUDRUN KLOOS	RSA	22.70	JONATHAN KLING	SWE	1:57.66	DMITRIY GORBUNOV	RUS	56.16	RYAN FLANAGAN	GBR
2:28.48	M. CUNNINGHAM	AUS	22.77	DAIKI NISHIZAWA	JPN	2:01.35	SHOGO MATSUI	JPN	56.22	HIROTAKA HUZII	JPN
100 M. BRST			22.90	SASHA BARTOLO	ITA	2:02.89	ADIL ASSOUAB	USA	56.31	SHOGO MATSUI	JPN
2:35.96	ETSUKO KIMURA	JPN	22.93	TAKUYA KAGAMI	JPN	2:04.03	SHOTA TAKESHITA	JPN	56.59	TAKASHI IYOBE	JPN
3:09.34	NAN BOHL	USA	100 M. FREE			2:04.35	KALON VEALE	GBR	56.73	KIMURA SHOGO	JPN
3:22.72	GWENDOLEN KASPAR	ITA	49.65	SASHA BARTOLO	ITA	2:05.65	MAX CLAUSSEN	GER	57.00	NAOKI NAKATANI	JPN
3:45.85	M.MAANDONKS	NED	50.12	RYAN FLANAGAN	GBR	2:05.92	JEAN-MARC RIMAUD	FRA	200 M. I.M.		
200 M. BRST			50.25	KIMURA SHOGO	JPN	2:07.35	DANIEL MORGAN	GBR	1:58.96	DMITRIY GORBUNOV	RUS
5:42.43	ETSUKO KIMURA	JPN	50.29	THOMAS STEPHENS	AUS	2:08.22	JOSE DELGADO	MEX	2:03.10	YUKI ISHIKAWA	JPN
7:18.26	NAN BOHL	USA	50.63	CEDRIC BERGER	SUI	2:08.55	GUSTAVO BERRETA	MEX	2:03.27	THOMAS LUCHSINGER	USA
50 M. FLY			50.77	DAIKI NISHIZAWA	JPN	50 M. BRST			2:05.28	HIROTAKA HUZII	JPN
1:25.90	EMIKO SEKINO	JPN	50.78	SOUICHI UCHIUMI	JPN	27.19	ANTON TISCHENKO	RUS	2:06.99	BASTIAN SCHORR	GER
100 M. I.M.			50.79	LUKE POOL	GBR	27.64	KANAYA YUKI	JPN	2:07.30	NEAL THOMSON	GBR
2:58.00	NAN BOHL	USA	50.84	JONATHAN KLING	SWE	27.80	KUNIO KIYOOKA	JPN	2:07.45	SCOTT M MCHENRY	USA
3:21.38	MIEKO KAMOSHITA	JPN	50.98	TAKUYA KAGAMI	JPN	28.13	Y.TANIGUCHI	JPN	2:07.51	YUTA KODAMA	JPN
3:38.40	MIE TAKEHARA	JPN	200 M. FREE			28.27	YUKI OKAJIMA	JPN	2:07.76	KALON VEALE	GBR
*****			1:50.33	SASHA BARTOLO	ITA	28.39	FUSE IY OH IRA	JPN	2:08.49	IGOR BALDOINO	BRA
*****			1:52.37	BASTIAN SCHORR	GER	28.46	LORENZO GARDONI	ITA	400 M. I.M.		
*****			1:53.14	KIMURA SHOGO	JPN	28.57	ROY SMEENGE	NED	4:27.31	SOHEI WASHINO	JPN
*****			1:53.32	FEDERICO FILOSI	ITA	28.64	RYUJIRO NISHIYAMA	JPN	4:32.39	HIROTAKA HUZII	JPN
50 M. FREE			1:53.72	C.DEHANDSCHOEWERC	FRA	28.66	TREVOR J HOYT	USA	4:40.63	YUYA YAMADA	JPN
1:06.82	BETTY BRUSSEL	CAN	1:53.89	C.KNIGHT	GBR	28.66	HUNTER COBLEIGH	USA	4:41.14	MATTHEW JAMES	GBR
1:10.87	MAURINE KORNFELD	USA	1:54.30	TAKUTO KITAYAMA	JPN	100 M. BRST			4:44.23	CASEY POWERS	USA
1:23.34	SUGAKO KUWAYAMA	JPN	1:54.59	ROBERT BRYCE	GBR	1:01.56	MARK CAMPBELL	GBR	4:44.25	ANTONIO BESSA	POR
1:35.67	CHARLOTTE SANDDAL	USA	1:54.77	MIROSLAV COICICI	GBR	1:01.86	ANTON TISCHENKO	RUS	4:45.38	FRANCISCO JAVIER	ESP
100 M. FREE			1:55.12	WILLIAM JOLLY	GBR	1:01.99	Y.TANIGUCHI	JPN	4:48.42	GIACOMO RIGON	ITA
2:25.65	BETTY BRUSSEL	CAN	400 M. FREE			1:02.07	ARTEM BABIKHIN	RUS	4:49.53	EMIEL BEUSEKOM	NED
2:38.35	MAURINE KORNFELD	USA	3:59.52	TAKUTO KITAYAMA	JPN	1:02.25	HUNTER COBLEIGH	USA	4:50.75	KALON VEALE	GBR
3:00.03	VALERIE LINCOLN	AUS	4:00.38	CARLOS RIVERA	ESP	1:02.56	RYUHEI SHIRAI	JPN	*****		
3:54.14	CHARLOTTE SANDDAL	USA	4:00.66	FEDERICO FILOSI	ITA	1:02.81	KAZUKI NAMBARA	JPN	*****		
200 M. FREE			4:05.21	WILLIAM JOLLY	GBR	1:02.89	LORENZO GARDONI	ITA	*****		
5:09.24	BETTY BRUSSEL	CAN	4:06.12	DARIUS SCHULTZ	AUS	1:02.93	NEIL REDMAN	GBR	*****		
5:10.92	MAURINE KORNFELD	USA	4:07.45	C.KNIGHT	GBR	1:03.27	RYUJIRO NISHIYAMA	JPN	50 M. FREE		
6:18.94	VALERIE LINCOLN	AUS	4:07.99	A.DUMOULIN	FRA	200 M. BRST			22.26	YOSHIHIRO ASO	JPN
8:43.79	CHARLOTTE SANDDAL	USA	4:09.39	JULIEN AROT	FRA	2:10.58	DMITRIY GORBUNOV	RUS	22.42	A.GETMANENKO	RUS
400 M. FREE			4:09.40	THOMAS LUCHSINGER	USA	2:14.80	ARTEM BABIKHIN	RUS	22.69	DREW MODROV	USA
10:51.23	BETTY BRUSSEL	CAN	4:09.92	RENATO FERRANTE	ITA	2:17.06	TAKUMA NAGASAWA	JPN	22.75	RYO HIGUCHI	JPN
18:16.17	CHARLOTTE SANDDAL	USA	800 M. FREE			2:19.04	YUYA YAMADA	JPN	22.86	MICHELE RATTI	ITA
800 M. FREE			8:20.78	TAKUTO KITAYAMA	JPN	2:20.34	FABIAN GUNTHER	GER	22.96	TAKUYA HASEGAWA	JPN
21:29.69	BETTY BRUSSEL	CAN	8:31.63	WILLIAM JOLLY	GBR	2:20.56	MAURIN LAMPART	SUI	23.02	NAOYA HIRANO	JPN
50 M. BACK			8:35.82	C.KNIGHT	GBR	2:21.34	SEIJI ABE	JPN	23.08	NICCOLO' CESERI	ITA
1:17.82	KALLIS RASMUSSEN	CAN	8:45.82	BEAU SMITH	GBR	2:21.69	MATTHEW JAMES	GBR	23.19	TOMOYA FUKUI	JPN
1:21.05	MAURINE KORNFELD	USA	8:46.77	TOMMASO VIO	ITA	2:22.56	RICCARDO RECUPERO	ITA	23.29	A.KADUKHIN	RUS
100 M. BACK			8:52.58	CASEY POWERS	USA	2:23.47	MATHIEU THOMAS	FRA	100 M. FREE		
2:42.13	KALLIS RASMUSSEN	CAN	8:53.48	KALON VEALE	GBR	50 M. FLY			49.58	DREW MODROV	USA
2:50.50	BETTY BRUSSEL	CAN	8:56.07	MASSIMO GRISENTI	ITA	23.50	RYO ISHII	JPN	49.79	YOSHIHIRO ASO	JPN
2:51.09	MAURINE KORNFELD	USA	8:57.01	DANIIL SALNIKOV	RUS	23.78	MARCIN CIESLAK	USA	50.47	TAKUYA HASEGAWA	JPN
3:35.93	VALERIE LINCOLN	AUS	9:02.74	DAVIDE PENSABENE	ITA	23.88	YASUHIRO WADA	JPN	50.63	NICCOLO' CESERI	ITA
3:54.50	CHARLOTTE SANDDAL	USA	1500 M. FREE			23.98	ADAM FAWL	GBR	50.82	RYO HIGUCHI	JPN
200 M. BACK			16:55.00	ANTONIO MESITE	ITA	23.99	KAZUYA KISHI	JPN	50.97	MATHIEU JACQUIN	FRA
5:42.83	KALLIS RASMUSSEN	CAN	16:55.50	ALEXIS BUSOLIN	FRA	24.30	ROBERT BRYCE	GBR	51.35	KOSUKE MAEDA	JPN
6:00.99	MAURINE KORNFELD	USA	17:00.27	ALEXANDER GRAF	AUT	24.32	ANDREY TAMBOVSKIY	RUS	51.39	CAMERON OWEN	USA
7:53.59	VALERIE LINCOLN	AUS	17:00.29	RYAN B ROSENBAUM	USA	24.36	SATOH KAICHI	JPN	51.51	ALBERTO SALA	ITA
50 M. BRST			17:11.50	SHOTA TAKESHITA	JPN	24.47	HIROTAKA HUZII	JPN	51.76	VLADISLAV SERYI	RUS
1:32.51	KALLIS RASMUSSEN	CAN	17:14.42	MASSIMO GRISENTI	ITA	24.55	RYAN FLANAGAN	GBR	200 M. FREE		
1:36.37	BETTY BRUSSEL	CAN	17:18.24	STEVEN CLAES	BEL	100 M. FLY			1:49.32	DREW MODROV	USA
2:15.53	CHARLOTTE SANDDAL	USA	17:18.42	CASEY POWERS	USA	52.59	MARCIN CIESLAK	USA	1:50.98	MASATAKA MISHIMA	JPN
100 M. BRST			17:25.60	FEDERICO SECCI	ITA	54.27	ANDREY TAMBOVSKIY	RUS	1:53.23	ERIC T NILSSON	USA
3:52.50	BETTY BRUSSEL	CAN	17:37.93	AYMERIC FABRE	FRA	54.53	ADAM FAWL	GBR	1:53.31	GLAUBER SILVA	BRA
4:50.68	CHARLOTTE SANDDAL	USA	50 M. BACK			54.53	RYAN FLANAGAN	GBR	1:54.47	PETER R KLINE	USA
200 M. BRST			24.13	OSCAR PEREIRO	ESP	54.63	SATOH KAICHI	JPN	1:54.64	FABIEN MACCOTTA	FRA
7:22.30	KALLIS RASMUSSEN	CAN	24.26	SHOTA TAKESHITA	JPN	54.90	YUUKI MATUO	JPN	1:55.52	L.GIOVANNINI	ITA
8:27.91	BETTY BRUSSEL	CAN	24.79	RYOUTA MAEJIMA	JPN	54.99	ERIK GISSEN	SWE	1:55.52	IVAN KOVALEV	RUS



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

1:55.95 ALBERTO SALA ITA	1:01.20 BRANDON J FISCHER USA	4:47.74 VINCENT CANTRELLE FRA	26.88 KENICHI KANEKO JPN
1:56.95 RICHARD JAGGER GBR	1:02.92 YUICHI SAKAI JPN	4:48.89 KENTARO SUZUKI JPN	26.99 IDDO FEINBERG ISR
400 M. FREE	1:02.99 WOLFGANG MAIER GER	4:50.02 RAFAEL CABANILLAS ESP	100 M. BACK
3:53.95 DREW MODROV USA	1:03.20 SHOU ASASHI JPN	*****	54.66 DARIAN R TOWNSEND USA
3:57.79 DENNY FERRONI ITA	1:03.24 VLAD SHIROKOV CAN	*****	56.85 ENRICO CATALANO ITA
3:59.99 STEVE BEI FRA	1:03.69 ERIK STEINHAGEN GER	M E N 35-39	57.35 RODRIGO TRIVINO BRA
4:00.84 MATTEO MONTANARI ITA	1:04.16 MICHAEL KARGBO FRA	*****	57.69 TAKEFUMI KAKIZOE JPN
4:01.45 L.GIOVANNINI ITA	1:04.20 LEONIR MARINO BRA	50 M. FREE	57.71 EDUARDO SEVIERI BRA
4:02.42 ERIC T NILSSON USA	200 M. BRST	22.82 ALISTAIR CRAWFORD GBR	58.26 DANIEL SAN ROMAN ESP
4:05.16 RAFAEL CABANILLAS ESP	2:11.58 RYO KOBAYASHI JPN	22.88 ANDREY KURNOSOV RUS	58.76 C.GIBSON USA
4:06.41 SEBASTIEN FRAYSSE FRA	2:12.92 BRANDON J FISCHER USA	23.08 MIKEL BILDOSOLA ESP	59.00 LEONARDO FEDERICI ITA
4:07.34 FABIEN MACCOTTA FRA	2:20.12 MICHAEL KARGBO FRA	23.08 BRUNO PAULA BRA	59.15 MASAHIRO INABA JPN
4:08.74 JAIME MARQUES ESP	2:22.87 P.VANGERTEN BEL	23.14 C.GRAHLEMANN GER	59.16 KENICHI KANEKO JPN
800 M. FREE	2:22.89 YASUHIRO TANAKA JPN	23.21 FILIPE FARAON BRA	200 M. BACK
8:13.62 MATTEO MONTANARI ITA	2:23.19 ERIK L-BENGTSON SWE	23.22 ANDREA ROLLA ITA	2:05.31 EDUARDO SEVIERI BRA
8:25.66 L.GIOVANNINI ITA	2:23.43 ANTON KURKOV RUS	23.22 ALEKSEI MANZHULA RUS	2:09.49 TAKEFUMI KAKIZOE JPN
8:28.61 RAFAEL CABANILLAS ESP	2:24.41 GOU NAKAYAMA JPN	23.54 MARIO L MARSHALL USA	2:09.57 ANDREA MANIERO ITA
8:41.21 JAIME MARQUES ESP	2:24.65 TAKUMI MORI JPN	23.60 IGOR CHUNAEV RUS	2:11.84 C.GIBSON USA
8:44.93 ROBERT DORAN GBR	2:25.11 YURIY TOROPOV RUS	100 M. FREE	2:13.38 M.RAVAGLIOLI ITA
8:54.73 ANDREA GRUARIN ITA	50 M. FLY	50.34 MIKEL BILDOSOLA ESP	2:13.42 DAVID GENET FRA
8:55.24 RICHARD JAGGER GBR	23.59 YOSHIHIRO ASO JPN	50.68 ALISTAIR CRAWFORD GBR	2:14.20 MASAHIRO INABA JPN
8:57.22 JULIO ARREDONDO MEX	23.96 TAKUYA HASEGAWA JPN	50.91 MARIO L MARSHALL USA	2:14.46 SHIMIZU KOUICHI JPN
8:59.95 M.ARAGON ARG	24.11 GLAUBER SILVA BRA	51.49 D.STOCKINGER AUT	2:14.52 EDUARD PEREZ ESP
9:00.07 MARCO RICCI ITA	24.14 DREW MODROV USA	51.83 C.GRAHLEMANN GER	2:14.84 ALISTAIR KNIGHT GBR
1500 M. FREE	24.15 NAOYA HIRANO JPN	51.99 STEF VERACHTEN BEL	50 M. BRST
15:30.92 CHAD TOURETTE USA	24.26 UENO TATSUYA JPN	52.10 DANIEL LOTANO USA	28.55 ALISTAIR CRAWFORD GBR
16:08.19 L.GIOVANNINI ITA	24.56 VLADISLAV SERYY RUS	52.15 IGOR CHUNAEV RUS	28.60 PAVEL BUYANOV USA
16:14.10 MATTEO MONTANARI ITA	24.98 KENTARO SUZUKI JPN	52.22 RODRIGO TRIVINO BRA	29.02 DAVID EBANKS GBR
16:25.51 JAIME MARQUES ESP	25.13 DMITRIY LUGANOV RUS	52.30 TAKAHIRO MORI JPN	29.17 TAKASHI YAMAMOTO JPN
16:37.90 RAFAEL CABANILLAS ESP	25.19 WARREN BARRETT GBR	200 M. FREE	29.19 FLORENT PEsENTI FRA
16:49.21 QUENTIN GODINEAU FRA	100 M. FLY	1:53.78 GUY-NOEL SCHMITT FRA	29.26 GEOFF WELLS USA
16:56.29 DAN JOHN GBR	53.24 YOSHIHIRO ASO JPN	1:54.87 CARL SHAW GBR	29.33 ANDREY KURNOSOV RUS
17:03.66 DANIEL SANCHEZ ESP	53.84 UENO TATSUYA JPN	1:55.07 MIKEL BILDOSOLA ESP	29.47 FIDEL GONFAUS ESP
17:07.61 KOSHIRO IKEYA JPN	54.58 KENTARO SUZUKI JPN	1:55.34 EDUARDO SEVIERI BRA	29.52 CHRISTOPHER AUST GBR
17:10.40 VINCENT CANTRELLE FRA	54.71 GLAUBER SILVA BRA	1:55.85 K.BOGDANOV RUS	29.53 FILIPE FARAON BRA
50 M. BACK	55.17 DENNY FERRONI ITA	1:55.97 TAKEFUMI KAKIZOE JPN	100 M. BRST
24.68 SERGEY MAKOV RUS	55.58 NAOYA HIRANO JPN	1:56.56 ANDREA MANIERO ITA	1:02.73 TAKAHIRO NETSU JPN
25.09 NAOYA HIRANO JPN	56.08 SHIGEKI NAGAFUJI JPN	1:56.80 D.STOCKINGER AUT	1:02.91 PAVEL BUYANOV USA
25.17 TAKASHI TAKEMOTO JPN	56.12 RYAN ANSCOMB GBR	1:57.04 TOSHIYUKI FUKI JPN	1:03.43 GEOFF WELLS USA
25.48 JUNICHI MORITA JPN	56.77 DMITRIY LUGANOV RUS	1:57.29 GIANLUCA ERMETI ITA	1:03.48 CHRISTOPHER JONES GBR
25.54 PETER R KLINE USA	56.84 GUILLAUME NOEL FRA	400 M. FREE	1:03.76 SERGEY GOGOL RUS
26.41 YUYA KATAOKA JPN	200 M. FLY	4:02.13 GUY-NOEL SCHMITT FRA	1:04.06 YUTA SHOJI JPN
26.53 RYAN ANSCOMB GBR	1:59.30 ITOU TATSUYA JPN	4:04.06 LUBOS GROSEK CZE	1:04.72 TAKEFUMI KAKIZOE JPN
26.53 JONAS ULFSKANS SWE	2:05.73 KENTARO SUZUKI JPN	4:04.37 EDUARDO SEVIERI BRA	1:04.72 VITALIY KIKU RUS
26.62 HARUTO KAWAI JPN	2:05.79 ERIC T NILSSON USA	4:06.98 CARL SHAW GBR	1:04.78 OLEG SIDOROV RUS
26.68 KOTA TESHIMA JPN	2:09.03 ADRIANO NIZ POR	4:09.85 K.BOGDANOV RUS	1:04.85 ANDREA CAVALLETTI ITA
100 M. BACK	2:10.00 L.GIOVANNINI ITA	4:10.52 ALBERTO GALLARDO ESP	200 M. BRST
53.42 JUNICHI MORITA JPN	2:10.35 KOSUKE ARAKI JPN	4:11.82 DAVID GENET FRA	2:16.99 CHRISTOPHER JONES GBR
54.53 SERGEY MAKOV RUS	2:10.74 M.TAGLIAFIERRO ITA	4:12.71 JAVIER NUNEZ ESP	2:18.84 TAKAHIRO NETSU JPN
56.12 PETER R KLINE USA	2:10.89 DAVIDE RISI ITA	4:13.89 JUAN P VALDIVIESO USA	2:19.57 SERGEY GOGOL RUS
56.36 MASAYA KANEKO JPN	2:11.19 BRANDON J FISCHER USA	4:14.16 FELIPE MAIA BRA	2:19.84 ANDREA CAVALLETTI ITA
56.56 TOMOYA FUKUI JPN	2:12.06 DAVIDE CRISPINO ITA	800 M. FREE	2:20.75 GEOFF WELLS USA
56.57 RYAN ANSCOMB GBR	100 M. I.M.	8:25.33 GUY-NOEL SCHMITT FRA	2:20.88 TAKEFUMI KAKIZOE JPN
56.82 LEONARDO SUMIDA BRA	54.86 YOSHIHIRO ASO JPN	8:48.76 ERIK SCHRODER NED	2:21.91 OLEG SIDOROV RUS
57.26 MARIO BLAZQUEZ ESP	56.11 NAOYA HIRANO JPN	8:49.78 MARCO PUCCI ITA	2:23.05 VITALIY KIKU RUS
57.58 HARUTO KAWAI JPN	56.28 JUNICHI MORITA JPN	8:50.90 JUAN PEREYRA ARG	2:24.66 ZIGOR DIAZ ESP
57.79 NIKLAS KUNST GER	56.76 PETER R KLINE USA	8:55.98 FRANCESCO VIOLA ITA	2:24.80 MASAHIRO WATANABE JPN
200 M. BACK	57.04 ITOU TATSUYA JPN	8:59.28 CHRISTIAN GARTNER GER	50 M. FLY
2:06.07 ALBERTO TABOADA ESP	57.48 CHIKAHIDE ENDO JPN	9:01.10 PEDRO SERRANO ESP	24.63 MARIO L MARSHALL USA
2:08.00 JOHN MOLYNEAUX GBR	58.10 KANAZAWA KENJI JPN	9:01.34 ALEXANDRE PITOT FRA	24.64 TAKEFUMI KAKIZOE JPN
2:08.66 FABIEN MACCOTTA FRA	58.42 YUTA TAKEUCHI JPN	9:01.85 MAURO PERA ITA	24.71 BRUNO PAULA BRA
2:09.02 L.GIOVANNINI ITA	58.56 KEITA TAKIZAWA JPN	9:06.19 TOSHIYUKI FUKI JPN	24.93 ALISTAIR CRAWFORD GBR
2:09.65 GABRILO MANNUCI CAN	59.01 VLAD SHIROKOV CAN	1500 M. FREE	25.06 MIKEL BILDOSOLA ESP
2:10.20 ENTONI CANTELLO ITA	200 M. I.M.	16:02.32 GUY-NOEL SCHMITT FRA	25.20 YUUKI TAKEUCHI JPN
2:10.35 ROBIN SOTTIAU BEL	2:00.90 ITOU TATSUYA JPN	16:50.09 CARL SHAW GBR	25.25 FILIPE FARAON BRA
2:10.38 HARUTO KAWAI JPN	2:03.80 RYOYA TAGUCHI JPN	16:56.13 ERIK SCHRODER NED	25.36 ANDREY KURNOSOV RUS
2:10.40 ROBERTO TUCCILLO ITA	2:04.02 LEONIR MARINO BRA	16:56.16 ALEXANDRE PITOT FRA	25.42 M.SAKHRI FRA
2:10.80 T.HOLLINGSWORTH GBR	2:04.69 DENNY FERRONI ITA	17:02.96 DANIEL M MORAN USA	25.43 SATOSHI IWATA JPN
50 M. BRST	2:06.01 PETER R KLINE USA	17:03.70 MARCO PUCCI ITA	25.43 AKIRA IMANISHI JPN
27.40 RYO KOBAYASHI JPN	2:06.82 JUNICHI MORITA JPN	17:11.13 ENRICO GALLO AUT	100 M. FLY
27.64 SHIOTUKI TOMOHIRO JPN	2:07.61 NAOYA HIRANO JPN	17:15.59 ANDREW SWANSTON GBR	54.25 TAKEFUMI KAKIZOE JPN
28.22 JOSE MANUEL ESP	2:09.16 DMITRIY LUGANOV RUS	17:22.10 M.COLOMBI ITA	55.84 MARIO L MARSHALL USA
28.27 ERIK STEINHAGEN GER	2:09.63 PIERRE VETTER FRA	17:22.90 JULIEN BAILLOD SUI	56.05 IVAN CLAUDIO ESP
28.79 WOLFGANG MAIER GER	2:09.66 MASAYA KANEKO JPN	50 M. BACK	56.06 ALISTAIR CRAWFORD GBR
29.00 BRANDON J FISCHER USA	400 M. I.M.	25.30 RODRIGO TRIVINO BRA	56.53 AKIRA IMANISHI JPN
29.04 VLAD SHIROKOV CAN	4:31.25 L.GIOVANNINI ITA	25.57 DARIAN R TOWNSEND USA	56.53 D.STOCKINGER AUT
29.12 SHOU ASASHI JPN	4:33.49 ERIC T NILSSON USA	25.75 JUNICHI FUKUI JPN	56.73 BRUNO PAULA BRA
29.15 KEISUKE YAGI USA	4:36.12 MATTEO MONTANARI ITA	25.81 MATTHEW CLAY GBR	56.90 KO KATO JPN
29.20 DREW MODROV USA	4:40.05 JAIME MARQUES ESP	26.37 C.GIBSON USA	57.30 OLEG LIASHKO RUS
100 M. BRST	4:40.23 JOHN MOLYNEAUX GBR	26.70 CRISTIAN CABEZAS ESP	57.45 PAUL WILKES GBR
59.11 RYO KOBAYASHI JPN	4:42.46 M.TAGLIAFIERRO ITA	26.72 DANIEL LOTANO USA	200 M. FLY
1:00.79 SHIOTUKI TOMOHIRO JPN	4:46.26 QUENTIN GODINEAU FRA	26.86 DANIEL SAN ROMAN ESP	2:03.96 TAKEFUMI KAKIZOE JPN



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2:06.68	PAUL WILKES	GBR	4:10.47	JACOB CARSTENSEN	DEN	1:05.31	VLADIMIR BORTSOV	RUS	M E N 45-49	
2:09.48	M.RINALDI	ARG	4:15.07	HAKON KARLSEN	NOR	1:05.55	YOSUKE NOSE	JPN	*****	
2:09.91	D.STOCKINGER	AUT	4:16.14	GUSTAVO VOLKART	BRA	1:05.58	KENJI KOJIMA	JPN	50	M. FREE
2:10.09	A.RIVELLINI	ITA	4:16.30	JAY GRIFFIN	USA	200	M. BRST		22.85	HIDEAKI HARA JPN
2:10.54	ZIGOR DIAZ	ESP	4:16.57	DAVID DENNY	GBR	2:19.91	RYOSUKE IMAI	JPN	23.54	RAVIL NAGAEV RUS
2:10.77	EDUARDO SEVIERI	BRA	4:17.04	RICHARD HOPE	GBR	2:20.51	BLAKE A HOLDEN	USA	23.73	ISAMU TSUZUKI JPN
2:11.41	JUAN P VALDIVIESO	USA	4:17.34	FERNANDO ALAEZ	ESP	2:22.64	ANDREY IVANOV	RUS	24.11	EIJI NOMURA JPN
2:12.77	ILYA SKRYDLOV	RUS	4:18.30	ANDRAS SCHONEK	HUN	2:22.93	JACOB CARSTENSEN	DEN	24.11	HARALD MAISCH GER
2:13.32	AKIRA IMANISHI	JPN	800	M. FREE		2:26.36	SATORU OKI	JPN	24.31	FREDERIC TONUS BEL
100	M. I.M.		8:25.58	NICOLA NISATO	ITA	2:28.34	GUILLAUME FILION	CAN	24.32	V.HAVLICEK CZE
54.91	DARIAN R TOWNSEND	USA	8:27.25	JACOB CARSTENSEN	DEN	2:29.19	YANN DELONGCHAMPS	FRA	24.43	B.KRISTOFFERSEN NOR
56.29	YUTA SHOJI	JPN	8:47.77	ASUKA KOIZUMI	JPN	2:29.24	GREGORY MAZERIS	FRA	24.58	DAMIEN CUCUMEL FRA
56.48	TAKEFUMI KAKIZOE	JPN	8:53.54	DAVID DENNY	GBR	2:29.62	DAISUKE TAGUCHI	JPN	24.59	FRANK GRUNER GER
56.73	IKUMI HASEGAWA	JPN	8:54.51	RICHARD HOPE	GBR	2:30.12	VLADIMIR BORTSOV	RUS	100	M. FREE
57.07	DAISUKE HOSOKAWA	JPN	8:55.78	JAY GRIFFIN	USA	50	M. FLY		49.99	HIDEAKI HARA JPN
57.44	ALISTAIR CRAWFORD	GBR	8:57.84	HAKON KARLSEN	NOR	24.33	TAKASHI NISHIYAMA	JPN	52.22	ISAMU TSUZUKI JPN
58.21	RODRIGO TRIVINO	BRA	8:58.13	BO SIMPSON	CAN	25.49	MARTIN SNAPE	GBR	53.09	MIKE VAN THIELEN USA
58.61	ALEKSEI MANZHULA	RUS	9:02.44	ANDY J NONAKA	USA	25.60	MARC ALLAN	RSA	53.21	FRANK GRUNER GER
58.91	MASAHITO INABA	JPN	9:05.31	GILBERT DUPLESSIS	CAN	25.91	TAKEFUMI KOGA	JPN	53.34	FREDERIC TONUS BEL
58.93	IVAN CLAUDIO	ESP	1500	M. FREE		25.94	T.MINAMIZATO	JPN	53.51	TODD ROBINSON AUS
200	M. I.M.		16:02.94	NICOLA NISATO	ITA	25.95	PABLO ABAL	ARG	53.96	JARL INGE MELBERG NOR
1:59.85	DARIAN R TOWNSEND	USA	16:32.10	ASUKA KOIZUMI	JPN	25.99	FRANCIS NASSAR	BRA	54.07	EIJI NOMURA JPN
2:05.85	TAKEFUMI KAKIZOE	JPN	17:06.26	JOSE BAEZ	ESP	26.00	BEN HARKIN	GBR	54.20	HARALD MAISCH GER
2:08.43	EDUARDO SEVIERI	BRA	17:10.40	JACOPO VANNUCCI	ITA	26.02	MARK ARZAGA	CAN	55.07	BRUNO ORSONI FRA
2:09.41	ANDREA MANIERO	ITA	17:14.29	JAY GRIFFIN	USA	26.10	NAOYUKI KOBAYASHI	JPN	200	M. FREE
2:09.68	GUY-NOEL SCHMITT	FRA	17:21.01	ANDY J NONAKA	USA	100	M. FLY		1:57.50	FRANK GRUNER GER
2:10.16	FELIPE MAIA	BRA	17:28.07	DAVID DENNY	GBR	57.12	MASANORI TAKEGAWA	JPN	1:58.08	FREDERIC TONUS BEL
2:10.46	JAVIER NUNEZ	ESP	17:31.11	JEROEN VD BOSCH	BEL	57.19	BRENT CREAGER	USA	1:58.52	IGOR PIOVESAN ITA
2:11.16	ZIGOR DIAZ	ESP	17:40.59	ABIAN REINO	ESP	57.57	BEN HARKIN	GBR	1:59.77	EIJI NOMURA JPN
2:11.97	MIKEL BILDOSOLA	ESP	17:49.34	BEN RUTTEN	BEL	57.77	MARTIN SNAPE	GBR	2:00.95	LEE PETERSON GBR
2:13.11	GEOFF WELLS	USA	50	M. BACK		57.81	S.OKEMOTO	JPN	2:01.15	BRUNO ORSONI FRA
400	M. I.M.		26.04	PABLO ABAL	ARG	57.85	CLAUS IVERSEN	DEN	2:01.29	DAN WEGNER USA
4:19.79	DARIAN R TOWNSEND	USA	26.43	ALEKSANDR SHILIN	RUS	57.92	STEFANO ZERBINI	AUS	2:01.54	FLORENT VILLETTE FRA
4:35.36	EDUARDO SEVIERI	BRA	26.45	T.MINAMIZATO	JPN	58.18	JOCHEN HANZ	GER	2:02.46	MADS GJERLOV DEN
4:39.46	ZIGOR DIAZ	ESP	26.99	SHINYA HAYASHI	JPN	58.33	CASPER HUT	NED	2:02.69	JEFF P COMMINGS USA
4:46.08	JULIEN BAILLOD	SUI	27.04	JOSE JUAN ARANDA	ESP	58.40	ERWIN BUIST	NED	400	M. FREE
4:46.47	ANDREA MANIERO	ITA	27.12	YOSHITAKA MARUI	JPN	200	M. FLY		4:09.99	IGOR PIOVESAN ITA
4:46.97	MICHAEL DELLANOCE	USA	27.26	MAURIZIO TERSAR	ITA	2:08.07	FERNANDO ALAEZ	ESP	4:15.83	DAN WEGNER USA
4:50.39	DAVID GENET	FRA	27.58	MASANORI TAKEGAWA	JPN	2:09.93	MASANORI TAKEGAWA	JPN	4:16.38	LARS KALENKA GER
4:50.81	IVAN MERLI	ITA	27.60	MARTIN SNAPE	GBR	2:11.11	JOCHEN HANZ	GER	4:18.50	GERMAN BELLOD ESP
4:52.49	MARIANO VARDE	ARG	27.68	M.QUAGLIANI	ITA	2:11.71	BRENT CREAGER	USA	4:19.07	JASCHA HASSON FRA
4:52.58	FRANCESCO VIOLA	ITA	100	M. BACK		2:13.41	JOSHUA SCHWARTZ	USA	4:22.02	LUIS GONI IRADI ESP

M E N 40-44										

50	M. FREE		57.41	SHINYA HAYASHI	JPN	2:14.94	MARK ARZAGA	CAN	4:23.22	DANIEL BERLI ARG
23.62	OLIVER PLANES	ESP	57.72	BEN HARKIN	GBR	2:15.70	MICHAEL W GRADOS	USA	4:23.32	FLORENT VILLETTE FRA
23.72	NEAL SMITH	GBR	57.87	MAURIZIO TERSAR	ITA	2:15.91	STEFANO ZERBINI	AUS	4:23.88	M.VALISERRA ITA
23.74	CASPER HUT	NED	58.22	TAKUMA YAMAOKA	JPN	2:17.63	KURT OUCHI	CAN	4:24.12	KEVIN J DOHERTY USA
23.87	ALEKSANDR SHILIN	RUS	59.04	MASANORI TAKEGAWA	JPN	2:20.15	RICARDO IVAN	ESP	800	M. FREE
23.96	WILLIAM CAREDDU	ITA	59.13	ALEKSANDR SHILIN	RUS	100	M. I.M.		8:41.87	IGOR PIOVESAN ITA
23.97	MARC ALLAN	RSA	59.28	M.QUAGLIANI	ITA	56.91	TAKASHI NISHIYAMA	JPN	8:56.37	DAN WEGNER USA
23.97	CHRIS KNEE	GBR	59.51	JOSE JUAN ARANDA	ESP	58.50	MARTIN SNAPE	GBR	9:03.96	FRANK GRUNER GER
24.08	IVAN USOV	RUS	1:00.02	LEANDRO OKUDA	BRA	59.95	ANDREAS KORNES	GER	9:04.19	DANIEL BERLI ARG
24.13	YANN MIRY	FRA	1:00.15	TAKATOSHI NUMATA	JPN	1:00.05	MASANORI TAKEGAWA	JPN	9:04.64	JENS RUTHEMANN GER
24.19	MIGUEL MACHADO	POR	1:00.14	OLEG LISOGOR	UKR	1:00.16	MARCELLO TONELLI	ESP	9:08.13	YASUYUKI HOSHAKA JPN
100	M. FREE		1:00.21	KEISUKE KUGA	JPN	1:00.21	KEISUKE KUGA	JPN	9:08.75	KEVIN J DOHERTY USA
52.22	CASPER HUT	NED	1:00.26	BEN HARKIN	GBR	1:00.26	CASPER HUT	NED	9:11.69	M.VALISERRA ITA
52.23	WILLIAM CAREDDU	ITA	1:00.35	FERNANDO ALAEZ	ESP	1:00.35	FERNANDO ALAEZ	ESP	9:13.07	BRAD M SHENFELD USA
52.93	MARC ALLAN	RSA	2:12.04	RICHARD HOPE	GBR	2:12.04	RICHARD HOPE	GBR	9:18.05	KEIJI KOMORI JPN
53.07	OLIVER PLANES	ESP	2:12.86	ALEKSANDR SHILIN	RUS	2:13.43	MARIO CARVALHO	POR	1500	M. FREE
53.20	LACHLAN MCDOWELL	AUS	2:13.43	MARIO CARVALHO	POR	2:13.43	MARIO CARVALHO	POR	16:39.68	IGOR PIOVESAN ITA
53.36	ANDRE LORENZI	BRA	2:14.12	OSCAR ESTRADA	ESP	2:07.53	ASUKA KOIZUMI	JPN	17:03.49	JASCHA HASSON FRA
53.48	FRANCO POZZI	ITA	2:14.27	MIKEL IRIONDO	ESP	2:09.54	MASANORI TAKEGAWA	JPN	17:25.13	ANTONIO D'ARIA ITA
53.54	BORJE EDVARDSEN	NOR	2:14.82	CHRISTOPHER RIX	GBR	2:10.45	CLAUS IVERSEN	DEN	17:27.58	JENS RUTHEMANN GER
53.72	ANDREAS KORNES	GER	2:14.97	M.QUAGLIANI	ITA	2:11.42	KEISUKE KUGA	JPN	17:36.50	VICTOR MORENO ESP
53.81	MIGUEL MACHADO	POR	50	M. BRST		2:11.57	FERNANDO ALAEZ	ESP	17:40.60	FERNANDO MARIAN ESP
200	M. FREE		28.06	RYOSUKE IMAI	JPN	2:11.77	ANTONINO TRIPPODO	ITA	17:43.28	KEIJI KOMORI JPN
1:55.67	JACOB CARSTENSEN	DEN	28.97	VLADIMIR BORTSOV	RUS	2:12.53	MARCELLO TONELLI	ESP	17:45.80	M.VALISERRA ITA
1:55.77	ANDRE LORENZI	BRA	29.08	ANDREAS KORNES	GER	2:12.57	SATORU OKI	JPN	17:46.78	EIJI NOMURA JPN
1:57.31	LACHLAN MCDOWELL	AUS	29.21	BLAKE A HOLDEN	USA	2:13.88	JOCHEN HANZ	GER	17:52.76	RICCARDO BARBANTI ITA
1:57.32	TAMAS KEREKJARTO	USA	29.21	BEN HARKIN	GBR	2:15.25	TAKUMA YAMAOKA	JPN	50	M. BACK
1:58.53	FERNANDO ALAEZ	ESP	29.53	MARTIN SNAPE	GBR	400	M. I.M.		27.01	IVAN SOSTARIC AUT
1:58.82	ARMIN HUMMEL	GER	29.58	KENJI KOJIMA	JPN	4:31.96	ASUKA KOIZUMI	JPN	27.38	MIKHAIL GROMOV RUS
1:58.90	KEISUKE KUGA	JPN	29.76	TREVOR BREKKE	CAN	4:39.76	FERNANDO ALAEZ	ESP	27.50	HARALD MAISCH GER
1:59.21	ASUKA KOIZUMI	JPN	29.96	YANN MIRY	FRA	4:40.54	TAMAS KEREKJARTO	USA	27.85	LEE PETERSON GBR
1:59.40	HAKON KARLSEN	NOR	30.03	YOSUKE NOSE	JPN	4:43.56	MASANORI TAKEGAWA	JPN	28.00	YOSHINORI IWASAKI JPN
1:59.41	CASPER HUT	NED	100	M. BRST		4:46.08	KEISUKE KUGA	JPN	28.36	ADRIAN O'CONNOR IRL
400	M. FREE		1:02.38	RYOSUKE IMAI	JPN	4:49.99	MARCELLO TONELLI	ESP	28.45	DANIEL COTTON GBR
4:03.82	NICOLA NISATO	ITA	1:03.59	ANDREAS KORNES	GER	4:50.18	JAY GRIFFIN	USA	28.47	MIKE SELF USA
4:09.83	ASUKA KOIZUMI	JPN	1:03.78	BLAKE A HOLDEN	USA	4:53.08	DAVID DENNY	GBR	28.47	TJAKKO RUINEMANS NED
			1:04.38	BEN HARKIN	GBR	4:56.20	DAVID ROELS	BEL	28.47	TOMAS BISONO DOM
			1:05.14	ANDREA BENEDETTI	ITA	4:58.22	SHOICHI BETSUMIYA	JPN	100	M. BACK
			1:05.18	STEPHAN PERROT	FRA				58.33	JEFF P COMMINGS USA
			1:05.21	ANDREY IVANOV	RUS	*****			58.72	IVAN SOSTARIC AUT



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

59.03	ISAMU TSUZUKI	JPN	2:18.40	AKINORI KURACHI	JPN	4:29.07	VLADIMIR GUSEV	RUS	2:29.48	ABRAHAM E SOLANO	USA
59.41	HARALD MAISCH	GER	2:18.41	SHIGEO SHIRAISHI	JPN	4:29.27	MARTIN GIROUX	CAN	2:29.79	ROBERTO DOBIE	ARG
59.89	DANIEL COTTON	GBR	2:19.92	NICKOLAS MARCHAND	FRA	4:29.33	MARCO TENDERINI	ITA	2:30.44	ALEXEY PLEKHANOV	ISR
1:00.36	LARS KALENKA	GER	100 M. I.M.			800 M. FREE			2:31.14	MAKOTO ONODERA	JPN
1:00.69	YOSHINORI IWASAKI	JPN	59.98	FRANK GRUNER	GER	8:51.41	DINO SCHORN	ITA	2:31.68	CHRIS D DUPLANTY	USA
1:01.15	ADRIAN O'CONNOR	IRL	1:00.42	HARALD MAISCH	GER	8:54.48	GREG STREPPPEL	CAN	2:33.95	MICHAEL HODGSON	GBR
1:01.70	R.LOCOCIOLO	ITA	1:00.86	LEE PETERSON	GBR	9:02.53	JEFFREY S UTSCH	USA	2:34.52	KENICHI DOZONO	JPN
1:01.77	JAVIER SANTOS	ESP	1:00.97	BYRON SHEFCHIK	USA	9:02.58	KURT F DICKSON	USA	2:35.42	MASSIMO BUSIGNANI	ITA
200 M. BRST			1:01.22	TOMOHIRO MUSA	JPN	9:10.04	PETER DIXON	GBR	2:35.75	ANDREA CABIDDU	ITA
2:10.85	DANIEL COTTON	GBR	1:01.60	SERGEY FIRICHENKO	RUS	9:20.93	COLIN OVINGTON	GBR	50 M. FLY		
2:12.09	LARS KALENKA	GER	1:01.72	DANIEL COTTON	GBR	9:23.01	ANDREW CARR	GBR	26.11	STEVE HILTABIDDLE	USA
2:12.25	IVAN SOSTARIC	AUT	1:01.88	VLADISLAV BRAGIN	RUS	9:23.02	MATS NYGREN	USA	26.54	VLADIMIR PREDKIN	RUS
2:13.07	R.LOCOCIOLO	ITA	1:02.32	IVAN SOSTARIC	AUT	9:23.46	VLADIMIR GUSEV	RUS	26.82	MICHAEL HODGSON	GBR
2:15.21	ADRIAN O'CONNOR	IRL	1:02.50	JAVIER SANTOS	ESP	9:25.64	MARK A MAGEE	USA	26.88	BARRY SARETSKY	CAN
2:15.83	BRIAN J KREMERS	USA	200 M. I.M.			1500 M. FREE			27.04	WOLFGANG RABER	AUT
2:15.91	KURT GROTE	USA	2:10.47	KURT GROTE	USA	17:07.36	GREG STREPPPEL	CAN	27.34	A.PROKURATOV	RUS
2:16.60	JOHANN PAPILLON	FRA	2:11.43	BYRON SHEFCHIK	USA	17:18.70	PETER DIXON	GBR	27.36	A.PLACHETA	AUT
2:18.03	VANES TERZIARI	ITA	2:12.20	ISAMU TSUZUKI	JPN	17:34.13	KURT F DICKSON	USA	27.46	YUJI ASHIZAWA	JPN
2:18.86	CARLOS PUIG	ESP	2:12.38	FRANK GRUNER	GER	17:43.34	BARTON S WELLS	USA	27.48	MASAKATSU RACHI	JPN
50 M. BRST			2:12.93	KEVIN J DOHERTY	USA	17:59.22	MARTIN GIROUX	CAN	27.49	OLAF ELSNER	GER
28.65	JEFF P COMMINGS	USA	2:14.02	DANIEL COTTON	GBR	18:00.64	ROB E ALLEN	USA	100 M. FLY		
29.36	STEVE WEST	USA	2:15.56	LEE PETERSON	GBR	18:05.33	VLADIMIR GUSEV	RUS	59.34	NICOLAS GRANGER	FRA
29.47	HIDEAKI TOGO	JPN	2:15.89	TOMOHIRO MUSA	JPN	18:09.04	TONY DAY	GBR	59.51	STEVE HILTABIDDLE	USA
29.66	STEFAN SCHERLING	SWE	2:16.39	IGOR PIOVESAN	ITA	18:16.37	YUJI HAYAKAWA	JPN	1:00.28	ANDREA TOJA	ITA
29.80	SERGEY FIRICHENKO	RUS	2:17.85	AARON CLELAND	AUS	18:21.70	PIETER GERMEREN	NED	1:00.35	JEFFREY H RODDIN	USA
29.89	YASUHIRO KOMORI	JPN	400 M. I.M.			50 M. BACK			1:00.58	HASSE NILSSON	SWE
29.97	BYRON SHEFCHIK	USA	4:44.04	DANIEL COTTON	GBR	25.30	ROBERTO ESTESO	ESP	1:00.60	A.PLACHETA	AUT
30.06	SERGEY ANGELOV	RUS	4:44.70	KEVIN J DOHERTY	USA	27.94	VLADIMIR PREDKIN	RUS	1:00.65	MIKE G SHAFFER	USA
30.07	VLADISLAV BRAGIN	RUS	4:48.27	IGOR PIOVESAN	ITA	28.21	NICOLAS GRANGER	FRA	1:00.86	WOLFGANG RABER	AUT
30.19	ANDREW COOPER	GBR	4:54.91	FRANK GRUNER	GER	29.02	SHUNSUKE UEDA	JPN	1:00.90	OLEG PLUTOK	RUS
100 M. BRST			4:58.42	KURT GROTE	USA	29.22	ANDREA TOJA	ITA	1:01.79	BARRY SARETSKY	CAN
1:02.70	JEFF P COMMINGS	USA	4:58.44	TOSHIMICHI KAMON	JPN	29.22	RICK M HAMILTON	USA	200 M. FLY		
1:03.02	STEVE WEST	USA	5:02.04	FUMIAKI MINAMIURA	JPN	29.23	NEILL WILLIAMS	USA	2:16.14	MIKE G SHAFFER	USA
1:04.70	VLADISLAV BRAGIN	RUS	5:02.97	NICKOLAS MARCHAND	FRA	29.35	WOLFGANG RABER	AUT	2:17.44	GREG STREPPPEL	CAN
1:05.28	SERGEY FIRICHENKO	RUS	5:03.25	AARON CLELAND	AUS	29.38	FLORENT CORLAY	FRA	2:19.79	MARCO TENDERINI	ITA
1:05.56	STEFAN SCHERLING	SWE	5:05.14	RICHARD HALLADE	FRA	29.42	BRYAN MALAS	USA	2:20.53	ANDREA TOJA	ITA
1:05.59	ALAN PESSOTTI	BRA	*****			100 M. BACK			2:21.23	ABRAHAM E SOLANO	USA
1:06.04	LEE PETERSON	GBR	M E N 50-54			1:02.46	WOLFGANG RABER	AUT	2:21.52	ANDREA CABIDDU	ITA
1:06.72	ROBERT ROBSON	GBR	*****			1:02.66	ALESSIO GERMANI	ITA	2:21.54	MARK A MAGEE	USA
1:07.36	ANDREW COOPER	GBR	*****			1:03.41	RICK M HAMILTON	USA	2:23.85	PABLO CONDE	CAN
1:07.56	VLADYSLAV HOROVOY	UKR	50 M. FREE			1:03.65	MIKE G SHAFFER	USA	2:23.97	OLEG PLUTOK	RUS
200 M. BRST			23.80	JOAKIM HOLMQUIST	SWE	1:03.88	VLADIMIR PREDKIN	RUS	2:24.46	LUIS SANTIAGO	PUR
2:17.02	STEVE WEST	USA	24.07	VLADIMIR PREDKIN	RUS	1:04.31	SHUNSUKE UEDA	JPN	100 M. I.M.		
2:21.39	KURT GROTE	USA	24.43	STEVE HILTABIDDLE	USA	1:04.52	ANTHONY S HIGGINS	USA	1:00.14	NICOLAS GRANGER	FRA
2:21.56	BYRON SHEFCHIK	USA	24.58	M.GIALDI	ITA	1:04.80	ROMAN TOLSTIK	RUS	1:00.76	MICHAEL HODGSON	GBR
2:24.76	VLADISLAV BRAGIN	RUS	24.68	HIROSHI MIURA	JPN	1:04.89	FLORENT CORLAY	FRA	1:01.50	HAJIME MORIMOTO	JPN
2:28.01	DAISUKE MIYASAKA	JPN	24.77	MICHAEL HODGSON	GBR	1:04.91	NEILL WILLIAMS	USA	1:01.76	ANDREA CABIDDU	ITA
2:28.20	LEE PETERSON	GBR	24.80	SPENCER TURNER	GBR	200 M. BACK			1:02.24	VLADIMIR PREDKIN	RUS
2:29.08	KEVIN J DOHERTY	USA	24.80	PAVEL LEBEDEV	RUS	2:18.03	KURT F DICKSON	USA	1:02.57	JEROME A FRENTSOS	USA
2:29.98	VLADYSLAV HOROVOY	UKR	24.88	NICOLAS GRANGER	FRA	2:19.23	JAN GOOSSENS	BEL	1:02.63	NEILL WILLIAMS	USA
2:30.55	DANIEL FERNANDEZ	ESP	25.00	FRANK STUWE	GER	2:19.34	ALESSIO GERMANI	ITA	1:03.18	JEFFREY H RODDIN	USA
2:30.72	AARON CLELAND	AUS	100 M. FREE			2:19.45	RICK M HAMILTON	USA	1:03.65	BARRY SARETSKY	CAN
50 M. FLY			54.09	NICOLAS GRANGER	FRA	2:20.02	MIKE G SHAFFER	USA	1:03.72	ABRAHAM E SOLANO	USA
24.77	EIJI NOMURA	JPN	54.09	HASSE NILSSON	SWE	2:22.20	ANTHONY S HIGGINS	USA	200 M. I.M.		
25.08	FREDERIC TONUS	BEL	54.49	STEVE HILTABIDDLE	USA	2:22.81	C.MARTIN	FRA	2:10.90	NICOLAS GRANGER	FRA
25.40	RAVIL NAGAEV	RUS	54.54	MARK THOMPSON	AUS	2:22.88	GREG BEHAR	SUI	2:15.16	HAJIME MORIMOTO	JPN
25.60	MASATERU IKEDA	JPN	54.62	VLADIMIR PREDKIN	RUS	2:23.41	ERWIN D KRATZ	USA	2:17.06	ANDREA CABIDDU	ITA
25.61	ISAMU TSUZUKI	JPN	54.72	SPENCER TURNER	GBR	2:23.88	GUIDO COCCI	ITA	2:17.58	ROBERTO DOBIE	ARG
25.68	TOMOHIRO NAKANO	JPN	54.97	DINO SCHORN	ITA	50 M. BRST			2:17.64	JEROME A FRENTSOS	USA
25.68	MARKUS BIERIG	GER	55.69	MICHAEL HODGSON	GBR	29.79	JOAKIM HOLMQUIST	SWE	2:18.92	ABRAHAM E SOLANO	USA
25.75	MASATO SAKAI	JPN	55.98	M.GIALDI	ITA	30.23	ROBERTO DOBIE	ARG	2:19.58	FABIO CALMASINI	ITA
26.00	TODD ROBINSON	AUS	56.14	LAURENT NEUVILLE	FRA	30.58	MICHAEL HODGSON	GBR	2:19.92	SHUJI AZUMA	JPN
26.08	Frédéric TONUS	BEL	56.14	MARTIAL DROGUET	FRA	30.73	NEILL WILLIAMS	USA	2:20.97	JEFFREY H RODDIN	USA
100 M. FLY			200 M. FREE			30.84	MAKOTO ONODERA	JPN	2:21.23	MARK A MAGEE	USA
55.73	EIJI NOMURA	JPN	1:59.54	DINO SCHORN	ITA	30.85	ALEKSEI PLEKHANOV	RUS	400 M. I.M.		
55.78	ISAMU TSUZUKI	JPN	1:59.97	MARK THOMPSON	AUS	30.95	PAVEL LEBEDEV	RUS	4:48.84	GREG STREPPPEL	CAN
56.65	TOMOHIRO NAKANO	JPN	2:00.77	GREG STREPPPEL	CAN	30.97	FABIO CAVALLI	ITA	4:49.69	NICOLAS GRANGER	FRA
57.98	FREDERIC TONUS	BEL	2:01.38	GIAN LUCA SONDALI	ITA	31.09	TOR ARNE PEDERSEN	NOR	4:52.28	MARCO TENDERINI	ITA
58.55	MARKUS BIERIG	GER	2:03.55	JOCHEN BRUHA	GER	31.09	HAJIME MORIMOTO	JPN	4:59.17	ABRAHAM E SOLANO	USA
59.14	BYRON SHEFCHIK	USA	2:03.90	MATS NYGREN	USA	100 M. BRST			5:01.38	MARK A MAGEE	USA
59.56	ANDREA MARCATO	ITA	2:03.99	SPINADIN PIANCA	ITA	1:06.43	NICOLAS GRANGER	FRA	5:01.42	MIKE G SHAFFER	USA
1:00.10	TOSHIYUKI IBE	JPN	2:04.25	HIROSHI MIURA	JPN	1:06.63	HAJIME MORIMOTO	JPN	5:04.07	ANDREA CABIDDU	ITA
1:00.30	ANDRE WRASSE	GER	2:04.39	JEFFREY S UTSCH	USA	1:06.89	ROBERTO DOBIE	ARG	5:06.81	CHRISTOPHE MARTIN	FRA
1:00.52	JARL INGE MELBERG	NOR	2:04.48	SPENCER TURNER	GBR	1:07.68	MAKOTO ONODERA	JPN	5:08.26	ERLEND ALSTAD	NOR
200 M. FLY			400 M. FREE			1:07.84	MICHAEL HODGSON	GBR	5:08.81	PETER DIXON	GBR
2:06.84	EIJI NOMURA	JPN	4:14.65	GREG STREPPPEL	CAN	1:07.87	ALEXEY PLEKHANOV	ISR	*****		
2:11.02	ANDREA MARCATO	ITA	4:18.40	GIAN LUCA SONDALI	ITA	1:08.15	ABRAHAM E SOLANO	USA	M E N 55-59		
2:13.91	FREDERIC TONUS	BEL	4:21.89	KURT F DICKSON	USA	1:08.26	PAVEL LEBEDEV	RUS	*****		
2:16.49	KEVIN J DOHERTY	USA	4:25.21	MATS NYGREN	USA	1:08.75	ALBERTO MONTINI	ITA	50 M. FREE		
2:16.50	MICHAEL C DIX	USA	4:28.67	LAURENT KABICHE	FRA	1:09.07	SPINADIN PIANCA	ITA	24.37	CALVIN MAUGHAN	SWE
2:16.71	IGOR PIOVESAN	ITA	4:28.80	HIROSHI MIURA	JPN	200 M. BRST			25.05	BRYAN TATTERSON	RSA
2:17.33	ALBERTO ROTA	ITA	4:29.01	PETER DIXON	GBR	2:29.02	HAJIME MORIMOTO	JPN			



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

25.22	DAVID EMERSON	GBR	1:06.49	A.BONANNI	ITA	100 M. I.M.	9:25.24	PAUL BLACKBEARD	AUS	
25.49	FRITZ BEDFORD	USA	1:06.51	PETER C HORWITZ	USA	1:01.31 CARLO TRAVAINI	ITA	9:44.41	MARTEN DE GROOT	NED
25.59	JERRY M KOLLROSS	USA	1:06.74	JON HAWTON	AUS	1:04.10 SHINJI ITOU	JPN	9:49.63	DOUG KAJIWARA	USA
25.59	JANNE VIRTANEN	FIN	1:06.94	PETER WIESE	GER	1:04.89 MARK REYNOLDS	GBR	9:56.41	RINAT GILYAZOV	RUS
25.60	RICARDO PINHEIRO	ARG	1:06.94	CRAIG NORREY	SUI	1:05.65 J.RIBLET	FRA	9:59.05	JOHN R MORALES	USA
25.61	CARLO TRAVAINI	ITA	200 M. BACK			1:06.11 RUSSELL MASON	GBR	9:59.36	GLENN CARLSEN	CAN
25.89	MARCO CONTI	ITA	2:19.61	PETER MCKINNON	CAN	1:06.17 FABIO SERVADIO	ITA	10:00.76	GREG SANCHEZ	USA
25.91	GREGORY HARRIS	USA	2:20.05	FRANCESCO PETTINI	ITA	1:06.24 EDWIN VAN NORDEN	NED	10:04.72	SERGE GUERIN	FRA
100 M. FREE			2:22.25	EDWIN VAN NORDEN	NED	1:06.27 MARCO CONTI	ITA	10:15.18	MARCO BRAVI	ITA
54.32	CALVIN MAUGHAN	SWE	2:22.79	CARLO TRAVAINI	ITA	1:06.51 JONAS HALLGREN	SWE	10:15.88	SIMON VEALE	GBR
55.88	CARLO TRAVAINI	ITA	2:23.41	JON HAWTON	AUS	1:06.57 RICARDO PINHEIRO	ARG	1500 M. FREE		
56.72	MARK REYNOLDS	GBR	2:24.85	HIROSHI SHIBUYA	JPN	200 M. I.M.		19:00.98	GLENN CARLSEN	CAN
56.83	GREGORY HARRIS	USA	2:24.92	JAVIER NOGUES	GER	2:15.99 CARLO TRAVAINI	ITA	19:10.36	MARC JOUANDON	FRA
57.05	MARCEL EKKELBOOM	GER	2:25.32	JOHAN REMMITS	NED	2:20.33 TAIHEI SAKA	JPN	19:48.61	ANDREAS K SEIBT	USA
57.05	PETER MCKINNON	CAN	2:26.56	P.BOCQUILLON	FRA	2:21.82 MARK REYNOLDS	GBR	19:57.80	CONNY MINDEMARM	SWE
57.40	RICARDO PINHEIRO	ARG	2:26.87	ALEC JOHNSON	ESP	2:25.43 EDWIN VAN NORDEN	NED	19:58.44	STEVE CUTTING	USA
57.46	JERRY M KOLLROSS	USA	50 M. BRST			2:26.28 JONAS HALLGREN	SWE	19:59.47	GLEN CHRISTIANSEN	SWE
57.46	PER SOLBERG	NOR	29.26	CARLO TRAVAINI	ITA	2:27.21 AL JAEGRS	USA	20:01.48	JOHN B CHAMBERS	USA
57.58	HAAGON STOKKE	NOR	31.45	DAVID M GUTHRIE	USA	2:27.63 J.MELLADO	FRA	20:05.05	SAM LUND	USA
57.58	BRETT WOODS	AUS	31.45	JENS LUTSCHIN	GER	2:27.70 DANIEL LEPINE	CAN	20:10.57	DAVE FREEMAN	CAN
200 M. FREE			31.89	MASAAKI OTSUKI	JPN	2:27.93 VITO DE	ITA	20:13.93	DAN JENSEN	USA
2:03.47	CARLO TRAVAINI	ITA	32.28	GREGORY HARRIS	USA	2:28.17 SHOTARO IMAI	JPN	50 M. BACK		
2:05.09	PETER MCKINNON	CAN	32.30	H.HASHIMOTO	JPN	400 M. I.M.		29.44	JAMIE FOWLER	USA
2:05.83	MARK REYNOLDS	GBR	32.39	HAKAN PERSSON	SWE	5:05.01 CARLO TRAVAINI	ITA	30.01	BRUCE C KONE	USA
2:06.72	MICHAEL PRUFERT	GER	32.60	M.WILLIAMSON	USA	5:07.81 MARK REYNOLDS	GBR	30.05	FRANCISCO AMOROS	ESP
2:06.91	JOSE FREITAS	POR	32.65	RUSSELL MASON	GBR	5:10.29 A.TIBERTI	ITA	31.16	JONATHAN E KLEIN	USA
2:06.92	ARNALDO PEREZ	PUR	32.67	DAVID BRYANT	GBR	5:13.78 JAVIER NOGUES	GER	31.23	VLADIMIR GORKOV	RUS
2:07.73	FRED L SCHUSTER	USA	100 M. BRST			5:18.44 AL JAEGRS	USA	31.26	J.DELAPORTE	FRA
2:08.30	J.RIBLET	FRA	1:04.26	CARLO TRAVAINI	ITA	5:19.00 SEAN KINSEY	GBR	31.74	ISTVAN MARTON	HUN
2:08.42	B.SOUVIRAA-LABAST	FRA	1:09.05	DAVID M GUTHRIE	USA	5:19.02 SHOTARO IMAI	JPN	32.01	JUHA IIVONEN	FIN
2:08.68	A.BELOSLODUTSEV	RUS	1:09.87	GREGORY HARRIS	USA	5:20.13 DANIEL L PHILLIPS	USA	32.13	JAMES T BALLARD	USA
400 M. FREE			1:11.99	SERGE SCORE	CAN	5:20.35 JEAN-LUC ROLLAND	FRA	32.14	ROBERT H HEATH	USA
4:25.70	JOSE FREITAS	POR	1:12.27	RUSSELL MASON	GBR	5:20.50 VITO DE	ITA	100 M. BACK		
4:29.77	MICHAEL PRUFERT	GER	1:12.36	J.MELLADO	FRA			1:03.15	JAMIE FOWLER	USA
4:31.41	A.BELOSLODUTSEV	RUS	1:12.63	M.WILLIAMSON	USA	*****		1:06.77	JONATHAN E KLEIN	USA
4:32.89	CARLO TRAVAINI	ITA	1:13.37	HAKAN PERSSON	SWE	M E N 60-64		1:07.23	VLADIMIR GORKOV	RUS
4:34.85	JAVIER NOGUES	GER	1:13.42	H.HASHIMOTO	JPN	*****		1:07.48	J.DELAPORTE	FRA
4:37.75	FRED L SCHUSTER	USA	1:13.68	DAVID BRYANT	GBR	50 M. FREE		1:08.01	IGOR KRAVKOV	ISR
4:38.17	ANDERS HAGLUND	SWE	200 M. BRST			25.68 DAN THOMPSON	CAN	1:08.92	DOUG KAJIWARA	USA
4:40.39	EDWIN VAN NORDEN	NED	2:23.06	CARLO TRAVAINI	ITA	25.93 BRUCE C KONE	USA	1:09.39	JAMES T BALLARD	USA
4:40.48	K.DELLBRUGGE	GER	2:32.95	DAVID M GUTHRIE	USA	26.01 A.MARKOVSKIY	RUS	1:09.84	MARCIO ALMEIDA	BRA
4:40.57	CHRIS DANIEL	CAN	2:36.61	SERGE SCORE	CAN	26.45 DAVID A BISHOP	USA	1:10.22	BERNARD PROUX	FRA
800 M. FREE			2:36.70	J.MELLADO	FRA	26.49 BRUNO SOULAS	FRA	1:10.33	HUGO BREGMAN	NED
9:25.08	MARK REYNOLDS	GBR	2:40.09	EDWIN VAN NORDEN	NED	26.65 BRENT BARNES	JPN	200 M. BACK		
9:32.31	A.BELOSLODUTSEV	RUS	2:42.44	CARSTEN STEFFENS	GER	26.76 JUHA IIVONEN	FIN	2:17.15	JAMIE FOWLER	USA
9:33.38	CRAIG M NADEL	USA	2:42.45	M.WILLIAMSON	USA	26.79 G.HEUCHLING	USA	2:27.49	VLADIMIR GORKOV	RUS
9:33.44	JAVIER NOGUES	GER	2:43.77	ROBERT P MCADAM	USA	26.94 GARY SCHATZ	USA	2:29.12	DAN STEPHENSON	USA
9:39.71	CARLO TRAVAINI	ITA	2:44.35	SATOSHI WATANABE	JPN	27.00 EDGARS OZOLINS	LAT	2:31.49	JONATHAN E KLEIN	USA
9:46.15	FRED L SCHUSTER	USA	2:44.55	ARNALDO PEREZ	PUR	100 M. FREE		2:34.42	STEVE BURCHAM	GBR
9:47.38	EDWIN VAN NORDEN	NED	50 M. FLY			58.11 DAVID A BISHOP	USA	2:34.84	IGOR KRAVKOV	ISR
9:49.79	FRANCESC COLL	ESP	26.85	DAVID EMERSON	GBR	58.56 DAN THOMPSON	CAN	2:34.90	STEVE CUTTING	USA
9:50.31	PETER MCKINNON	CAN	26.87	MARCEL EKKELBOOM	GER	58.72 EDGARS OZOLINS	LAT	2:34.96	GREG SANCHEZ	USA
9:50.90	SEAN KINSEY	GBR	27.02	TAIHEI SAKA	JPN	59.04 BRUNO SOULAS	FRA	2:35.11	BERNARD PROUX	FRA
1500 M. FREE			27.18	BRYAN TATTERSON	RSA	59.06 DAN STEPHENSON	USA	2:35.83	LEANDRO MONTANE	ARG
18:03.55	JOSE FREITAS	POR	27.19	CALVIN MAUGHAN	SWE	59.68 J.DELAPORTE	FRA	50 M. BRST		
18:17.61	MARK REYNOLDS	GBR	27.63	JORGE FARIA	POR	59.80 PAUL BLACKBEARD	AUS	32.44	OLIVIER BORIOS	FRA
18:24.47	FRED L SCHUSTER	USA	27.74	CARLO TRAVAINI	ITA	59.91 MARTEN DE GROOT	NED	32.89	GREGORY L OXLEY	USA
18:28.47	JUAN CARLOS	ESP	28.08	STEVEN V ENNIS	USA	59.95 GILLES LAFFICHE	FRA	32.98	BRUCE C KONE	USA
18:40.66	EDWIN VAN NORDEN	NED	28.12	JONAS HALLGREN	SWE	1:00.50 G.HEUCHLING	USA	33.39	ERIC SJOSTROM	SWE
18:47.15	B.SOUVIRAA-LABAST	FRA	28.14	DIRK SZYMKOWIAK	GER	200 M. FREE		33.53	ANDY DYER	USA
18:50.28	JEAN-LUC ROLLAND	FRA	100 M. FLY			2:08.57 DAN STEPHENSON	USA	33.54	RICHARD NEVILLE	USA
19:00.76	ANDREAS A LORENZ	USA	1:00.13	BRYAN TATTERSON	RSA	2:08.60 DAVID A BISHOP	USA	33.65	HENRY VEHOVEC	CAN
19:00.78	CARLO TRAVAINI	ITA	1:00.71	TAIHEI SAKA	JPN	2:11.04 TITO MORALES	USA	33.97	PAT MEANEY	USA
19:01.16	MARK JONES	GBR	1:01.41	JORGE FARIA	POR	2:12.56 EDGARS OZOLINS	LAT	34.03	SERGEY MOLODIN	RUS
50 M. BACK			1:01.49	MARCEL EKKELBOOM	GER	2:12.96 GILLES LAFFICHE	FRA	34.03	GUSTAVO ROMERO	ARG
28.01	FRITZ BEDFORD	USA	1:02.28	FRED L SCHUSTER	USA	2:13.82 MARTEN DE GROOT	NED	100 M. BRST		
29.42	CRAIG NORREY	SUI	1:02.82	CARLO TRAVAINI	ITA	2:13.97 SERGE GUERIN	FRA	1:13.05	OLIVIER BORIOS	FRA
29.69	DIRK SZYMKOWIAK	GER	1:03.02	JONAS HALLGREN	SWE	2:15.41 STEVE CUTTING	USA	1:13.26	GREGORY L OXLEY	USA
29.90	CALVIN MAUGHAN	SWE	1:03.34	MARC GEORG VAUPEL	GER	2:15.62 BRUCE D YOUNG	USA	1:13.76	SERGEY MOLODIN	RUS
29.91	PETER MCKINNON	CAN	1:03.64	DANIEL LEPINE	CAN	2:15.98 THOMAS S TAYLOR	USA	1:14.67	ANDY DYER	USA
29.95	STEVEN V ENNIS	USA	1:03.73	C.LUTOTOVICH	ARG	400 M. FREE		1:14.76	ERIC SJOSTROM	SWE
29.98	JORGE FARIA	POR	200 M. FLY			4:39.49 DAN STEPHENSON	USA	1:16.03	TIMUR PODMARYOV	RUS
30.06	JANNE VIRTANEN	FIN	2:22.05	CARLO TRAVAINI	ITA	4:40.45 MARTEN DE GROOT	NED	1:16.65	TATSUO ABE	JPN
30.09	THOMAS DOCKHORN	GER	2:23.57	DANIEL LEPINE	CAN	4:40.50 SERGE GUERIN	FRA	1:16.70	JINICHIRO SHIMIZU	JPN
30.23	HIROSHI SHIBUYA	JPN	2:26.82	FRED L SCHUSTER	USA	4:42.73 DOUG KAJIWARA	USA	1:16.97	RICHARD NEVILLE	USA
100 M. BACK			2:28.98	PAULO CARVALHO	POR	4:44.39 GILLES LAFFICHE	FRA	1:17.15	THOMAS S TAYLOR	USA
1:03.87	PETER MCKINNON	CAN	2:29.39	BRYAN TATTERSON	RSA	4:45.33 PAUL BLACKBEARD	AUS	200 M. BRST		
1:04.50	FRANCESCO PETTINI	ITA	2:30.26	JEAN-LUC ROLLAND	FRA	4:45.95 MARCO BRAVI	ITA	2:42.27	SERGEY MOLODIN	RUS
1:05.01	HIROSHI SHIBUYA	JPN	2:30.33	HIDEYUKI TANABE	JPN	4:47.57 MARC JOUANDON	FRA	2:45.56	TIMUR PODMARYOV	RUS
1:05.21	EDWIN VAN NORDEN	NED	2:31.58	KEVIN SMITH	GBR	4:48.86 JOHN R MORALES	USA	2:46.14	ERIC SJOSTROM	SWE
1:06.03	J.RIBLET	FRA	2:32.42	CALVIN JACOBS	CAN	4:50.67 PASCAL SCHROETER	SUI	2:47.32	ANDY RITCHIE	CAN
1:06.27	STEVEN V ENNIS	USA	2:33.27	LOIC METAIS	FRA	800 M. FREE		2:48.03	ANDY DYER	USA



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2:49.30	JINICHIRO SHIMIZU	JPN	28.26	ERIC D VAN BOER	USA	2:30.92	TOM WOLF	USA	1:13.86	ABED OUADAH	FRA
2:50.24	GERARD HOFFMANN	USA	28.31	ALEXANDER MILLS	NOR	2:37.90	PHILIPP DJANG	USA	1:13.91	RON ARMSTRONG	CAN
2:51.02	BARRY O'BRIEN	GBR	28.32	DONALD GRAHAM	USA	2:38.70	ETTORE BOSCHETTI	ITA	1:14.03	ERIC D VAN BOER	USA
2:55.03	S.KATKEVICIUS	LTU	28.47	MIKE STAMHUIS	CAN	2:39.16	PIERRE BAEHR	FRA	1:14.05	KAZUYA IRIE	JPN
2:55.61	ANDREAS K SEIBT	USA	100 M. FREE			2:39.80	EDDIE RIACH	GBR	1:15.27	TREVOR CLARK	GBR
50 M. FLY			57.78	JACK R GROSELLE	USA	2:42.33	PATRICK MOREAU	FRA	200 M. I.M.		
27.40	BRUCE C KONE	USA	1:00.70	AKIRA IIDA	JPN	2:43.93	MIKE STAMHUIS	CAN	2:33.30	JACK R GROSELLE	USA
27.44	DAN THOMPSON	CAN	1:01.46	BARRY ROTH	USA	2:47.94	DAVID BRIGHT	USA	2:36.37	PATRICK MOREAU	FRA
27.82	HUGO BREGMAN	NED	1:02.45	PHILIPP DJANG	USA	2:48.10	MIKE FOSKETT	GBR	2:39.06	AKIRA IIDA	JPN
28.41	A.MARKOVSKIY	RUS	1:02.55	CHARLES LEMAISTRE	USA	2:48.57	CHRISTOPHER BROWN	GBR	2:42.32	DOV NISMAN	ISR
29.09	J.DELAPORTE	FRA	1:02.69	NEVILLE BARTON	GBR	50 M. BRST			2:42.66	ALEXANDER MILLS	NOR
29.39	IGOR KRAVKOV	ISR	1:03.15	MIKE STAMHUIS	CAN	33.31	RANDY J PARKER	USA	2:42.93	MARK SAUNDERS	NZL
29.49	PASCAL SCHROETER	SUI	1:03.31	NOBUYUKI SUGIMOTO	JPN	33.88	PERE BALCELLS	ESP	2:43.06	SCOTT J COLLIER	USA
29.60	HIROSHI ARAKI	JPN	1:03.33	ALEXANDER MILLS	NOR	33.96	NEAL L VESTAL	USA	2:45.62	EDDIE RIACH	GBR
29.66	BRUNO SOULAS	FRA	1:03.55	BRAD GANDEE	USA	33.96	WALTER KUSCH	GER	2:46.55	G.SCARMEL	ITA
29.91	JUHA IIVONEN	FIN	200 M. FREE			34.23	STUART ELLICOTT	AUS	2:47.01	ROBERT KELSOE	USA
100 M. FLY			2:11.82	JACK R GROSELLE	USA	34.70	JACK R GROSELLE	USA	400 M. I.M.		
1:02.07	HUGO BREGMAN	NED	2:17.41	AKIRA IIDA	JPN	34.95	CARLOS SILVA	BRA	5:34.07	JACK R GROSELLE	USA
1:03.51	DAN THOMPSON	CAN	2:18.08	EDWARD J BORSUK	USA	35.10	C.STARZEC	FRA	5:34.32	PATRICK MOREAU	FRA
1:06.85	GREG SANCHEZ	USA	2:20.85	PATRICK MOREAU	FRA	35.80	TOSHIHARU FUJII	JPN	5:37.74	AKIRA IIDA	JPN
1:06.91	HIROSHI ARAKI	JPN	2:22.75	ABED OUADAH	FRA	35.81	STUART WATERBURY	USA	5:43.90	DOV NISMAN	ISR
1:07.21	IGOR KRAVKOV	ISR	2:23.33	TIM BRODERICK	USA	100 M. BRST			5:44.08	SCOTT J COLLIER	USA
1:07.41	GUY S DAVIS	USA	2:24.01	NEVILLE BARTON	GBR	1:11.82	RICK COLELLA	USA	5:51.75	MARK SAUNDERS	NZL
1:07.85	JAMES T BALLARD	USA	2:24.65	RICK B WALKER	USA	1:15.67	RANDY J PARKER	USA	5:58.10	G.SCARMEL	ITA
1:08.18	KAZUHIRO OTSUKA	JPN	2:24.92	CHUCK A OLSON	USA	1:16.93	PERE BALCELLS	ESP	5:58.47	EDDIE RIACH	GBR
1:08.42	ULLRICH KRUG	GER	2:24.97	M.TADAUCHI	JPN	1:16.94	WALTER KUSCH	GER	6:02.95	DAVID BRIGHT	USA
1:08.72	JOHN R MORALES	USA	400 M. FREE			1:17.08	STUART ELLICOTT	AUS	6:07.09	KERN M DAVIS	USA
200 M. FLY			4:51.48	AKIRA IIDA	JPN	1:17.46	JACK R GROSELLE	USA			
2:22.61	HUGO BREGMAN	NED	4:51.84	JACK R GROSELLE	USA	1:17.76	NEAL L VESTAL	USA	*****		
2:27.42	GREG SANCHEZ	USA	4:53.13	PATRICK MOREAU	FRA	1:18.42	CARLOS SILVA	BRA	M E N 70-74		
2:30.59	TITO MORALES	USA	5:01.90	BARRY ROTH	USA	1:19.38	STUART WATERBURY	USA	*****		
2:31.32	RINAT GILYAZOV	RUS	5:03.84	JEAN-MARIE CADIAT	BEL	1:19.73	GAETAN BEYSARD	FRA	50 M. FREE		
2:34.75	DAN STEPHENSON	USA	5:04.63	RICK B WALKER	USA	200 M. BRST			28.08	FUMIO SHIGENO	JPN
2:36.18	KAZUHIRO OTSUKA	JPN	5:04.89	MARK E MODJESKA	USA	2:54.91	STUART ELLICOTT	AUS	28.25	GLENN A GRUBER	USA
2:37.64	MASSIMO GIARDINO	ITA	5:04.89	MARK MODJESKA	USA	2:55.99	STUART WATERBURY	USA	28.40	GERHARD SCHILLER	GER
2:39.27	SEIICHI YARITA	JPN	5:05.41	MIKE STAMHUIS	CAN	2:59.12	NEAL L VESTAL	USA	29.36	R.DOBBELMANN	FRA
2:41.11	ANDREAS K SEIBT	USA	5:05.85	CLAUDIO BERRINI	ITA	2:59.56	JEAN-MARIE CADIAT	BEL	29.44	STEVEN V HECK	USA
2:45.66	JOHN B CHAMBERS	USA	800 M. FREE			2:59.94	PATRICK MOREAU	FRA	29.51	LEE CHILDS	USA
100 M. I.M.			9:26.94	RICK COLELLA	USA	3:00.23	TOSHIHARU FUJII	JPN	29.78	GLEN BENGTTSSON	SWE
1:07.21	SERGEY MOLODIN	RUS	10:22.18	LARRY W WOOD	USA	3:00.93	HIROYUKI MIZUTANI	JPN	29.83	CARLOS AGUIRRE	ARG
1:07.87	BRUNO SOULAS	FRA	10:24.39	MARK E MODJESKA	USA	3:01.01	GAETAN BEYSARD	FRA	29.95	ULF GABRIELSSON	SWE
1:08.15	TITO MORALES	USA	10:27.45	BARRY ROTH	USA	3:01.47	HARVEY G SEYBOLD	USA	30.06	ANDY SIMPSON	NZL
1:08.67	ANDY DYER	USA	10:29.25	KERN M DAVIS	USA	3:01.75	WOLFGANG BEST	GER	100 M. FREE		
1:08.94	J.DELAPORTE	FRA	10:32.98	EDDIE RIACH	GBR	50 M. FLY			1:03.25	GLENN A GRUBER	USA
1:09.11	GUY S DAVIS	USA	10:33.00	M.TADAUCHI	JPN	29.46	DONALD GRAHAM	USA	1:04.62	GERHARD SCHILLER	GER
1:09.41	DMITRI KHODKO	SWE	10:36.52	RICK B WALKER	USA	29.68	JACK R GROSELLE	USA	1:05.99	LEE CHILDS	USA
1:09.71	JUHA IIVONEN	FIN	10:36.60	DOV NISMAN	ISR	29.83	GRAEME MILNE	GBR	1:06.11	STEVEN HECK	USA
1:09.85	A.MARKOVSKIY	RUS	10:39.99	G.SCARMEL	ITA	30.34	KEVIN M MCCORMACK	USA	1:06.36	DIETER SEIFERT	GER
1:10.12	ERIC SJOSTROM	SWE	1500 M. FREE			30.40	JOHN M CRAIG	USA	1:06.60	TERENCE DOWNES	RSA
200 M. I.M.			19:29.78	PATRICK MOREAU	FRA	30.60	STEVEN WALL	GBR	1:06.82	ALAN D BERNARD	USA
2:23.30	JAMIE FOWLER	USA	19:57.41	EDDIE RIACH	GBR	30.86	STEPHEN BRAINE	GBR	1:07.07	JOHN W RADTNER	USA
2:26.43	HUGO BREGMAN	NED	19:58.60	LARRY W WOOD	USA	30.90	KAZUYA IRIE	JPN	1:07.48	CARLOS AGUIRRE	ARG
2:27.66	TITO MORALES	USA	20:08.11	MARK E MODJESKA	USA	30.94	TAKEO HIRAMOTO	JPN	1:07.85	HORST LEHMANN	GER
2:30.87	DOUG KAJIWARA	USA	20:13.46	M.TADAUCHI	JPN	30.98	YUKINARI OKUNISHI	JPN	200 M. FREE		
2:31.59	ANDY DYER	USA	20:15.76	G.SCARMEL	ITA	100 M. FLY			2:22.95	DAN L KIRKLAND	USA
2:32.00	SERGEY MOLODIN	RUS	20:17.48	RICK B WALKER	USA	1:05.84	RICK COLELLA	USA	2:24.08	GLENN A GRUBER	USA
2:32.20	ANDREAS K SEIBT	USA	20:23.20	FRED FERROGGIARO	USA	1:06.57	JACK R GROSELLE	USA	2:26.18	ALAN D BERNARD	USA
2:34.52	GREG SANCHEZ	USA	20:27.74	JEAN-MARIE CADIAT	BEL	1:08.35	JOHN M CRAIG	USA	2:28.00	GERHARD SCHILLER	GER
2:35.47	ERIC SJOSTROM	SWE	21:01.37	PAVEL BAIER	CZE	1:09.09	GRAEME MILNE	GBR	2:29.52	HUBIE KERNS	USA
2:35.92	SIMON VEALE	GBR	50 M. BACK			1:10.13	JEFFREY BOATRIGHT	USA	2:30.59	BOB E COUCH	USA
400 M. I.M.			31.61	PHILIPP DJANG	USA	1:10.22	DONALD GRAHAM	USA	2:30.82	LEE CHILDS	USA
5:20.37	TITO MORALES	USA	31.91	PIERRE BAEHR	FRA	1:11.05	STEVEN WALL	GBR	2:33.26	JEAN C.LESTIDEAU	ESP
5:27.08	RINAT GILYAZOV	RUS	32.58	TOM WOLF	USA	1:11.07	TAKEO HIRAMOTO	JPN	2:34.88	JOHN W RADTNER	USA
5:27.87	ANDREAS K SEIBT	USA	33.09	CHRISTOPHER BROWN	GBR	1:12.19	MARK SAUNDERS	NZL	2:34.95	TERENCE DOWNES	RSA
5:33.09	JOHN R MORALES	USA	33.76	ERIC D VAN BOER	USA	1:12.29	STEPHEN BRAINE	GBR	400 M. FREE		
5:33.39	ANDY RITCHIE	CAN	34.04	GRAEME MILNE	GBR	200 M. FLY			5:03.38	DAN L KIRKLAND	USA
5:39.01	MARC JOUANDON	FRA	34.16	DONALD GRAHAM	USA	2:47.42	MARK E MODJESKA	USA	5:10.68	HUBIE KERNS	USA
5:41.29	ANDY DYER	USA	34.36	BREND BREVE	NED	2:48.56	PHIL L DODSON	USA	5:27.85	GERHARD SCHILLER	GER
5:43.80	SIMON VEALE	GBR	34.51	JACK R GROSELLE	USA	2:51.97	ROLAND FREYGANG	GER	5:28.63	BOB E COUCH	USA
5:46.07	TOBY WEISSERT	USA	34.54	ABED OUADAH	FRA	2:56.47	SCOTT J COLLIER	USA	5:30.46	ALAN D BERNARD	USA
5:46.10	BRYAN D VOLPP	USA	100 M. BACK			2:57.33	IAN YOUNG	AUS	5:31.73	TERENCE DOWNES	RSA
*****			1:08.55	PHILIPP DJANG	USA	2:57.44	G.SCARMEL	ITA	5:37.58	LEE CHILDS	USA
M E N 65-69			1:10.24	TOM WOLF	USA	2:58.59	PHILIPP DJANG	USA	5:38.21	LASZLO CSABA	HUN
*****			1:11.54	PIERRE BAEHR	FRA	3:03.52	JOHN W MCCORKLE	USA	5:38.50	GRAHAM CROFT	AUS
*****			1:14.06	ERIC D VAN BOER	USA	3:04.05	DONALD GRAHAM	USA	5:38.85	GEORGES MICHEL	FRA
50 M. FREE			1:14.25	ETTORE BOSCHETTI	ITA	3:04.09	HIROYUKI YOBICO	JPN	800 M. FREE		
26.65	JACK R GROSELLE	USA	1:14.55	JEFFREY BOATRIGHT	USA	100 M. I.M.			10:27.08	DAN L KIRKLAND	USA
27.15	AKIRA IIDA	JPN	1:14.58	CHRISTOPHER BROWN	GBR	1:06.41	RICK COLELLA	USA	10:56.19	HUBIE KERNS	USA
27.36	BARRY ROTH	USA	1:14.74	MIKE STAMHUIS	CAN	1:09.09	JACK R GROSELLE	USA	11:36.00	BOB E COUCH	USA
27.60	PIERRE BAEHR	FRA	1:14.83	DONALD GRAHAM	USA	1:10.47	AKIRA IIDA	JPN	11:38.53	GRAHAM PADGETT	GBR
28.10	CHARLES LEMAISTRE	USA	1:15.75	EDDIE RIACH	GBR	1:12.81	ALEXANDER MILLS	NOR	11:48.13	TERENCE DOWNES	RSA
28.16	NOBUYUKI SUGIMOTO	JPN	200 M. BACK			1:13.61	PATRICK MOREAU	FRA	11:48.35	KURT FREI	SUI



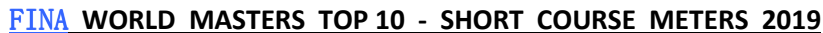
FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

11:52.05	DAVID HEMBROW	GBR	31.35	KENJI NAKAMATSU	JPN	1:04.80	DAVID QUIGGIN	USA	3:11.51	GIUSEPPE AVELLONE	ITA
11:57.02	GEORGES MICHEL	FRA	31.61	LEE CHILDS	USA	1:07.71	AKIRA FUJIMAKI	JPN	3:16.33	KARL DONOGHUE	CAN
11:58.05	MICHAEL MCCOLLY	USA	31.66	STEVEN V HECK	USA	1:07.75	RICHARD BURNS	USA	3:16.41	DAVID QUIGGIN	USA
12:00.46	MOSHE GERTEL	ISR	32.00	GLENN A GRUBER	USA	1:09.16	GERHARD WIELAND	AUT	3:16.96	ALBERTO MURILLO	ESP
1500 M. FREE			32.03	HORST LEHMANN	GER	1:09.80	RUDOLF SMERDA	CZE	3:17.38	JAMES HUGHES	RSA
19:46.94	DAN L KIRKLAND	USA	32.50	PAULO MOTTA	BRA	1:11.36	HIROSHI MARUYAMA	JPN	50 M. BRST		
20:42.57	HUBIE KERNS	USA	32.50	GERHARD SCHILLER	GER	1:12.65	ALAIN CARDONA	FRA	40.24	DAVID R GILDEA	USA
22:16.33	GRAHAM PADGETT	GBR	32.60	JEAN C.LESTIDEAU	FRA	1:13.22	TADANOBU YAMADA	JPN	40.34	KENNETH A FROST	USA
22:23.99	JEAN C.LESTIDEAU	FRA	32.92	GLEN BENGTSOON	NOR	1:13.46	KOJI IWAMOTO	JPN	40.35	ANTONIO ORSELLI	BRA
22:50.05	STAN R LEMASTER	USA	33.23	HANNU KUOKKANEN	FIN	1:14.25	AKIHIKO EGUCHI	JPN	41.00	PETER ANDERSEN	USA
22:55.43	STEVEN B PETERSON	USA	100 M. FLY			200 M. FREE			41.20	TATSUO ASAI	JPN
22:55.57	BOB B UPshaw	USA	1:15.62	HUBIE KERNS	USA	2:26.94	DAVID QUIGGIN	USA	41.32	T.SAWAMURA	JPN
22:57.97	DAVID HEMBROW	GBR	1:15.64	HORST LEHMANN	GER	2:39.42	TADANOBU YAMADA	JPN	41.37	ALAIN CARDONA	FRA
23:19.95	YUTAKA TAGO	JPN	1:17.25	ALAN D BERNARD	USA	2:47.64	BELLUZZO CAMMELLI	ITA	41.50	GABOR SOMLAI	HUN
23:27.78	RICH BERNSTEIN	USA	1:18.00	MICHAEL WILLIAMS	USA	2:48.23	KOJI IWAMOTO	JPN	41.55	MITSUO TAKASHIMA	JPN
50 M. BACK			1:18.68	GLENN A GRUBER	USA	2:48.45	SEKIO MARUYAMA	JPN	41.74	MASAYOSHI IZU	JPN
34.57	STEVEN V HECK	USA	1:19.36	JEAN C.LESTIDEAU	FRA	2:50.27	SEIJI NAKATA	JPN	100 M. BRST		
34.88	JOSE LORO	BRA	1:20.29	SADAO SAJIKI	JPN	2:52.47	ERIC R ANDERSON	USA	1:30.21	KENNETH A FROST	USA
35.09	ROBERT A HEACOCK	USA	1:20.97	AKIO KUROYANAGI	JPN	2:53.92	HIROYUKI ONO	JPN	1:31.28	GERSHON SHEFA	ISR
35.15	JEAN C.LESTIDEAU	FRA	1:20.98	MASSIMO MANNOCCI	ITA	2:54.32	ISAO TAKEBAYASHI	JPN	1:32.59	DAVE N NOBLE	USA
35.38	DIETER SEIFERT	GER	1:21.41	HITOSHI ISHIDA	JPN	2:54.47	TOSHIO TOMINAGA	JPN	1:32.93	ALAIN CARDONA	FRA
35.63	GLEN BENGTSOON	SWE	1:21.41	PAULO MOTTA	BRA	400 M. FREE			1:33.04	DAVID R GILDEA	USA
35.68	TOSHIO NOJIMA	JPN	200 M. FLY			5:34.10	DAVID QUIGGIN	USA	1:33.64	PETER ANDERSEN	USA
35.88	LASZLO CSABA	HUN	2:54.08	HUBIE KERNS	USA	6:03.49	SALVATORE DEIANA	ITA	1:34.47	MIKE R FRESHLEY	USA
35.97	GLENN A GRUBER	USA	3:04.94	ALAN D BERNARD	USA	6:06.27	JOAQUIN CANALES	ESP	1:34.49	ROBERT APEL	GBR
35.98	GERHARD SCHILLER	GER	3:06.07	JEAN C.LESTIDEAU	ESP	6:07.10	JOACHIM HINTZE	GER	1:34.67	SEIJI KOMAKI	JPN
100 M. BACK			3:16.99	AKIO KUROYANAGI	JPN	6:07.24	TOSHIO TOMINAGA	JPN	1:34.79	GABOR SOMLAI	HUN
1:15.68	STEVEN V HECK	USA	3:17.58	PAUL WYATT	AUS	6:13.10	HIROYUKI ONO	JPN	200 M. BRST		
1:16.83	DIETER SEIFERT	GER	3:20.06	KURT FREI	SUI	6:15.29	TONY CHERRINGTON	GBR	3:26.40	GERSHON SHEFA	ISR
1:18.39	TOSHIKAKI MIYATA	JPN	3:22.87	NICK DOUGLASS	USA	6:16.78	TAKEKAZU KOTERA	JPN	3:27.24	MIKE FRESHLEY	USA
1:19.99	JOSE LORO	BRA	3:24.10	TONY O'BRIEN	IRL	6:17.29	ALBERTO MURILLO	ESP	3:29.35	MATTHIAS KRONER	SWE
1:20.81	HUBIE KERNS	USA	3:25.06	MAKOTO KIZU	JPN	6:18.77	ERIC R ANDERSON	USA	3:30.15	ROBERT APEL	GBR
1:20.81	STEPHEN LAMY	AUS	3:26.61	BRUCE W ROLLINS	USA	800 M. FREE			3:30.97	MASAYOSHI IZU	JPN
1:21.05	GLEN BENGTSOON	SWE	100 M. I.M.			11:56.90	DAVID QUIGGIN	USA	3:31.09	ROB HANOU	NED
1:22.05	MICHAEL WILLIAMS	USA	1:12.74	STEVEN V HECK	USA	12:23.97	SALVATORE DEIANA	ITA	3:32.52	SEIJI KOMAKI	JPN
1:23.62	SUEKI YAMAMOTO	JPN	1:12.94	HUBIE KERNS	USA	12:34.78	JOAQUIN CANALES	ESP	3:35.21	HIROYUKI ONO	JPN
1:23.91	TERENCE DOWNES	RSA	1:15.56	GLENN A GRUBER	USA	12:44.08	JOACHIM HINTZE	GER	3:35.91	KIHEI YOSHIMURA	JPN
200 M. BACK			1:17.43	HANNU KUOKKANEN	FIN	13:03.81	DEREK PARR	GBR	3:37.57	CHARLES DOXAT	GBR
2:41.35	ALEK I SHESTAKOV	USA	1:17.58	GERHARD SCHILLER	GER	13:10.25	TONY FORMAN	AUS	50 M. FLY		
2:43.86	DAN L KIRKLAND	USA	1:17.90	JEAN C.LESTIDEAU	ESP	13:11.13	KARL DONOGHUE	CAN	33.05	RICHARD BURNS	USA
2:51.65	LASZLO CSABA	HUN	1:18.09	LEE CHILDS	USA	13:21.24	PIERO OLIVA	ITA	33.32	JOSEF CLARET	ESP
2:51.72	STEVEN V HECK	USA	1:18.14	CARLOS AGUIRRE	ARG	13:25.09	TONY CHERRINGTON	GBR	34.75	DAVID QUIGGIN	USA
2:52.93	TOSHIKAKI MIYATA	JPN	1:18.79	ALAN D BERNARD	USA	13:32.10	ROB HANOU	NED	34.86	DEREK PARR	GBR
2:53.85	STEPHEN LAMY	AUS	1:19.65	JOSEF KOCSI	AUT	1500 M. FREE			35.45	NEIL MACKINNON	GBR
2:54.34	HUBIE KERNS	USA	200 M. I.M.			22:25.81	DAVID QUIGGIN	USA	35.56	FRANTISEK POKORNY	CZE
2:57.32	ROBERT A HEACOCK	USA	2:40.45	HUBIE KERNS	USA	23:45.45	TOSHIO TOMINAGA	JPN	35.78	ROBERTO FONTES	BRA
2:58.27	JOSE LORO	BRA	2:41.76	ALEK I SHESTAKOV	USA	24:09.10	SALVATORE DEIANA	ITA	35.91	RUDOLF SMERDA	CZE
3:03.92	YOSHITSUGU TSUJI	JPN	2:42.00	STEVEN V HECK	USA	24:34.22	HIROYUKI ONO	JPN	36.37	YASUTAKA KOIKE	JPN
50 M. BRST			2:51.78	LEE CHILDS	USA	24:51.63	TONY FORMAN	AUS	36.39	AKIRA TAKAKURA	JPN
36.87	HISASHI DOI	JPN	2:52.22	GLENN A GRUBER	USA	24:56.12	KARL DONOGHUE	CAN	100 M. FLY		
37.34	CARLOS AGUIRRE	ARG	2:53.91	MICHAEL WILLIAMS	USA	25:02.79	JOAQUIN CANALES	ESP	1:17.59	RICHARD BURNS	USA
37.35	HUBIE KERNS	USA	2:55.43	KIERAN KELLEHER	IRL	25:20.14	ROB HANOU	NED	1:19.63	DEREK PARR	GBR
37.57	R.DOBELMANN	FRA	2:56.44	JEAN C.LESTIDEAU	ESP	25:51.13	FRANK WILLIAMS	USA	1:21.90	RUDOLF SMERDA	CZE
37.77	PETER L KINGAN	USA	2:58.58	ALAN D BERNARD	USA	25:58.37	KAZUO NAKASHIMA	JPN	1:25.97	YASUTAKA KOIKE	JPN
37.95	ALLEN L STARK	USA	2:59.19	BOB E COUCH	USA	50 M. BACK			1:27.11	KOJI IWAMOTO	JPN
38.34	A.KHARCHENKO	RUS	400 M. I.M.			34.82	RICHARD BURNS	USA	1:33.85	JOAQUIN CANALES	ESP
38.42	JOSEF KOCSI	AUT	5:48.15	ALEK I SHESTAKOV	USA	36.85	GERHARD WIELAND	AUT	1:34.50	TETSUYA YAMAMOTO	JPN
38.54	ROBERTO RUGGIERI	ITA	5:59.34	HUBIE KERNS	USA	36.97	JOZSEF CSIKANY	HUN	1:34.88	WILLIAM LETCH	GBR
38.63	PETER MCMONAGLE	AUS	6:03.92	STEVEN V HECK	USA	37.16	BERND HORSTMANN	GER	1:34.90	OLEG TKACHENKO	RUS
100 M. BRST			6:23.43	MICHAEL WILLIAMS	USA	37.22	H.MURAKAMI	JPN	1:34.97	IVAN PIVOVAROV	CAN
1:22.17	ALLEN L STARK	USA	6:35.68	CARLOS AGUIRRE	ARG	38.12	JOAQUIN CANALES	ESP	200 M. FLY		
1:22.28	HUBIE KERNS	USA	6:37.24	ALBERTO SICA	ITA	38.82	FUMITAKE MATSUDA	JPN	3:10.12	RUDOLF SMERDA	CZE
1:22.63	HISASHI DOI	JPN	6:39.32	STAN R LEMASTER	USA	39.43	DAVID QUIGGIN	USA	3:13.98	DEREK PARR	GBR
1:23.14	CARLOS AGUIRRE	ARG	6:40.06	ROBERTO RUGGIERI	ITA	39.49	GIUSEPPE AVELLONE	ITA	3:20.21	KARL DONOGHUE	CAN
1:26.06	SEIKO OKAZAKI	JPN	6:42.78	FRANK MCELROY	USA	39.59	ROBERTO FONTES	BRA	3:40.28	OLEG TKACHENKO	RUS
1:27.38	STEVEN HECK	USA	6:42.80	NICK DOUGLASS	USA	100 M. BACK			3:41.78	DAVE N NOBLE	USA
1:27.48	JOSEF KOCSI	AUT				1:14.03	RICHARD BURNS	USA	3:41.82	IVAN PIVOVAROV	CAN
1:28.27	MICHAEL MACMANUS	JPN	*****			1:19.50	JOZSEF CSIKANY	HUN	3:43.39	ERIK LOKENSGARD	USA
1:28.42	KENICHI MIYAMOTO	JPN	M E N 75-79			1:22.30	BERND HORSTMANN	GER	3:43.66	TETSUYA YAMAMOTO	JPN
1:29.07	PETER MCMONAGLE	AUS	*****			1:24.70	GERHARD WIELAND	AUT	3:45.13	ISAO TAKEBAYASHI	JPN
200 M. BRST			50 M. FREE			1:24.80	JOAQUIN CANALES	ESP	3:49.80	ROB HANOU	NED
3:03.44	HUBIE KERNS	USA	28.93	DAVID QUIGGIN	USA	1:27.03	GIUSEPPE AVELLONE	ITA	100 M. I.M.		
3:07.07	ALLEN L STARK	USA	29.47	GERHARD WIELAND	AUT	1:27.67	T.HASHIMOTO	JPN	1:18.49	RICHARD BURNS	USA
3:14.86	STEVEN HECK	USA	30.57	AKIRA FUJIMAKI	JPN	1:28.41	FUMITAKE MATSUDA	JPN	1:24.31	RUDOLF SMERDA	CZE
3:15.90	SEIKO OKAZAKI	JPN	30.99	RICHARD BURNS	USA	1:28.43	DAVID QUIGGIN	USA	1:24.40	GERSHON SHEFA	ISR
3:16.73	KENICHI MIYAMOTO	JPN	31.30	ALAIN CARDONA	FRA	1:28.99	ANTONIO ORSELLI	BRA	1:26.51	KOJI IWAMOTO	JPN
3:18.17	KIERAN KELLEHER	IRL	31.49	NEIL MACKINNON	GBR	200 M. BACK			1:26.74	PETER ANDERSEN	USA
3:18.32	NICK DOUGLASS	USA	31.61	HIROSHI MARUYAMA	JPN	2:52.88	RICHARD BURNS	USA	1:26.96	MIKE FRESHLEY	USA
3:18.71	PAUL WYATT	AUS	31.61	IAN SMITH	CAN	2:56.25	JOZSEF CSIKANY	HUN	1:27.00	ROBERTO FONTES	BRA
3:20.66	KURT FREI	SUI	31.99	ROBERT T PILGER	USA	3:00.13	BERND HORSTMANN	GER	1:27.22	INOUE TOMIZOU	JPN
3:21.42	DAN MORROW	USA	32.13	PETER STRAKA	SVK	3:06.60	ERIK LOKENSGARD	USA	1:28.30	YUICHI SHIMOTSU	JPN
50 M. FLY			100 M. FREE			3:08.76	T.HASHIMOTO	JPN	1:28.93	VICTOR ARMATYS	CAN



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

200 M. I.M.	25:08.23	FRED DE BRUIJN	ESP	41.53	TAKAYOSHI SAITO	JPN	1:41.52	YOSHI OYAKAWA	USA
2:52.83 RICHARD BURNS	USA	25:24.32	TOSABURO HOSOKAWA	JPN	41.99	JOHN KELSO	CAN	200 M. FREE	
3:01.83 GERSHON SHEFA	ISR	27:12.47	HARUO MIZUNO	JPN	43.56	GENICHI IGARASHI	JPN	3:03.23	DAVID A RADCLIFF
3:06.89 RUDOLF SMERDA	CZE	27:15.39	MARK SHIBATA	CAN	44.49	EROS DAMASCENO	BRA	3:14.99	TAKASHI IMASAKA
3:15.67 KOJI IWAMOTO	JPN	27:23.31	YOSHIHIRO NAKANO	JPN	44.69	MANFRED BUSCH	GER	3:23.83	KATSURA SUZUKI
3:16.08 DAVID R GILDEA	USA	27:34.66	KAZUYA ONUKI	JPN	100 M. FLY		3:33.62	JOEL LOCKWOOD	USA
3:19.02 JOAQUIN CANALES	ESP	27:59.79	GUIDO MARINELLI	ITA	1:35.21	LAURI MALK	FIN	3:36.67	KIYOSHI TANAKA
3:19.96 YUICHI SHIMOTSU	JPN	29:04.69	SHIGEO OGASAWARA	JPN	1:48.79	JOHN COCKS	AUS	3:43.42	M.YOSHIZAWA
3:21.95 MIKE FRESHLEY	USA	29:08.09	YUTAKA AWAZAWA	JPN	1:53.03	ETSUO FUTAMACHI	JPN	3:46.80	TAKANAO SATO
3:22.37 KIHEI YOSHIMURA	JPN	29:08.65	HARRY H BRAAKSMA	USA	1:53.20	DAVID MCLACHLAN	RSA	3:47.95	HORST KESTENER
3:23.25 DEREK PARR	GBR	50 M. BACK		1:53.58	YURIY FILENKO	RUS	3:55.25	MASAYASU KAMIYA	JPN
400 M. I.M.		37.92	AKIHIKO YABE	JPN	1:56.12	EROS DAMASCENO	BRA	3:55.27	FUSAO TAKAHASHI
6:26.09 RICHARD BURNS	USA	38.67	HELMUT RICHTER	GER	1:57.20	CLAUDIO NEGRI	ITA	400 M. FREE	
7:05.60 DEREK PARR	GBR	40.77	TOM VERTH	CAN	2:01.53	DEZSO MELKUHN	HUN	6:27.44	DAVID A RADCLIFF
7:18.93 DAVE N NOBLE	USA	41.39	RUDOLF SCHWIND	GER	2:02.93	P.WERMELSKIRCHEN	GER	7:10.66	JOEL LOCKWOOD
7:19.88 ROB HANOU	NED	41.95	YUKINOBU SHIMIZU	JPN	2:07.01	BILL MCCLUNG	USA	8:16.68	CHRISTOPHER SMITH
7:26.78 TAKAHIRO TAKIMOTO	JPN	41.98	TAISUKE MIYAZAKI	JPN	200 M. FLY		8:22.93	STAN F MORNER	USA
7:28.88 MIKE FRESHLEY	USA	42.03	T.YOKOYAMA	JPN	4:10.30	DEZSO MELKUHN	HUN	8:31.64	TUBBY RAMSAY
7:29.47 JOAQUIN CANALES	ESP	42.25	JOHN KELSO	CAN	4:21.67	LAURI MALK	FIN	8:32.71	TOM MITCHELL
7:33.20 VICTOR ARMATYS	CAN	42.85	KOICHI SATO	JPN	4:58.45	GIUSEPPE FANTINI	ITA	8:49.83	HERWIG HERBERT
7:33.72 REINHARD GALL	GER	42.89	MIYAMOTO RYUUSYOU	JPN	6:07.83	ANNIBALE PASINI	ITA	8:52.86	MASAYASU KAMIYA
7:41.50 ISAO TAKEBAYASHI	JPN	100 M. BACK		7:15.37	GORO TAKAHASHI	JPN	9:26.37	MICHAEL BANFIELD	GBR
		1:30.53	TAISUKE MIYAZAKI	JPN	7:41.81	LUIS MALDONADO	PUR	9:33.22	FRED F SALZMANN
*****		1:31.52	TOM VERTH	CAN	8:07.63	GHERARDO MERCATI	ITA	800 M. FREE	
M E N 80-84		1:34.56	JOHN KELSO	CAN	100 M. I.M.		13:20.46	DAVID A RADCLIFF	USA
*****		1:35.47	E.NODENSCHNEIDER	FRA	1:26.73	JOHN KELSO	CAN	14:28.42	JOEL LOCKWOOD
50 M. FREE		1:36.91	LAURI MALK	FIN	1:29.78	IKURO SHIMONO	JPN	14:58.87	KATSURA SUZUKI
32.07 HELMUT RICHTER	GER	1:37.80	RAY G MARTIN	USA	1:33.99	TONY GOODWIN	AUS	16:44.25	CHRISTOPHER SMITH
32.81 HIROSHI MATSUMOTO	JPN	1:37.86	TOMOYA OGINO	JPN	1:34.19	HIROMASA MASUTANI	JPN	17:17.92	MASAYASU KAMIYA
33.26 TORU FURUKAWA	JPN	1:37.97	DAVID COSTILL	USA	1:34.75	D.LEATHERBARROW	GBR	18:28.54	PETER KALMAR
33.45 LAURI MALK	FIN	1:38.39	TAKEO UETA	JPN	1:35.96	RONALD K NAKATA	USA	20:35.44	JOSE PENALOZA
33.50 JOHN KELSO	CAN	1:38.86	HIDEYUKI TAKEMASA	JPN	1:36.40	JOHN COCKS	AUS	21:33.82	PETER SENFTLEBEN
34.21 H.TAKAHASHI	JPN	200 M. BACK		1:38.85	HIDEYUKI TAKEMASA	JPN	23:01.54	JACK R FRITZ	USA
34.22 GENJIRO MORINAGA	JPN	3:29.29	E.NODENSCHNEIDER	FRA	1:39.27	BELA FABIAN	HUN	27:15.44	DONALD J BAKER
34.70 SADA O TERADA	JPN	3:29.50	TAISUKE MIYAZAKI	JPN	1:40.14	LAURI MALK	SWE	1500 M. FREE	
34.84 D.LEATHERBARROW	GBR	3:36.22	DAVID COSTILL	USA	200 M. I.M.		25:18.19	DAVID A RADCLIFF	USA
35.03 M.SHINAGAWA	JPN	3:37.00	RAY G MARTIN	USA	3:16.32	JOHN KELSO	CAN	28:07.33	JOEL LOCKWOOD
100 M. FREE		3:41.15	DOUGLAS ALPINO	BRA	3:22.38	IKURO SHIMONO	JPN	28:53.36	KATSURA SUZUKI
1:13.71 HELMUT RICHTER	GER	3:44.62	TOMOYA OGINO	JPN	3:30.74	JOHN COCKS	AUS	31:46.29	CHRISTOPHER SMITH
1:14.48 JOHN KELSO	CAN	3:46.06	JOHN COCKS	AUS	3:43.38	LAURI MALK	SWE	34:06.71	MASAYASU KAMIYA
1:15.71 HIROSHI MATSUMOTO	JPN	3:46.66	KIYOJI NAKAYAMA	JPN	3:47.93	KAIZO YAMAMOTO	JPN	34:19.62	J.CAZENEUVE
1:17.05 MASATO YOSHINO	JPN	3:47.16	TAMOTSU SUZUKI	JPN	3:52.12	MANFRED BUSCH	GER	39:21.49	FRED F SALZMANN
1:18.61 IKURO SHIMONO	JPN	3:47.41	YOSHIHIRO NAKANO	JPN	3:54.72	E.NODENSCHNEIDER	FRA	50 M. BACK	
1:20.19 AMI TRAUBER	CAN	50 M. BRST		3:56.43	FUJIO YAMAGUCHI	JPN	43.75	CLARKE MITCHELL	USA
1:20.53 D.LEATHERBARROW	GBR	42.41	JOHN KELSO	CAN	3:57.86	P.WERMELSKIRCHEN	GER	45.82	YOSHIKI ISHIZU
1:20.70 ETSUO FUTAMACHI	JPN	43.48	TONY GOODWIN	AUS	4:00.66	YOSHIHIRO NAKANO	JPN	47.29	FRITZ ILGEN
1:21.12 GEOFF STOKES	GBR	44.69	HANS REICHEL	GER	400 M. I.M.		47.70	YOSHI OYAKAWA	USA
1:21.86 KAZUYA ONUKI	JPN	44.79	JURGEN SCHUBERT	GER	7:44.58	JOHN COCKS	AUS	47.93	SKIP MONSEIN
200 M. FREE		45.13	AKIRA YAMASHITA	JPN	8:07.42	E.NODENSCHNEIDER	FRA	50.02	V.MESHCHERYAKOV
2:53.49 MASATO YOSHINO	JPN	45.48	HIROFUMI HOSOTANI	JPN	8:36.68	LAURI MALK	FIN	50.21	MASAYASU KAMIYA
2:53.97 WERNER SCHNABEL	GER	45.58	BELA FABIAN	HUN	8:37.27	P.WERMELSKIRCHEN	GER	53.09	FUSAO TAKAHASHI
3:00.48 GEOFF STOKES	GBR	46.21	KENNETH MCKINNEY	USA	8:46.94	DEZSO MELKUHN	HUN	53.15	HACHIRO KANDA
3:03.26 FRED DE BRUIJN	ESP	46.29	KATSUYA NAKAMURA	JPN	8:56.88	WOLF HEINEKEN	BRA	53.50	NORMAN G BARTNER
3:03.78 KAZUYA ONUKI	JPN	46.56	MORIAKI SUGIURA	JPN	9:38.81	JACK C FLEMING	USA	100 M. BACK	
3:04.21 AMI TRAUBER	CAN	100 M. BRST		10:13.56	REUVEN ARBEL	ISR	1:37.80	CLARKE MITCHELL	USA
3:05.82 ETSUO FUTAMACHI	JPN	1:33.51	TONY GOODWIN	AUS	11:01.58	ANNIBALE PASINI	ITA	1:49.34	SKIP MONSEIN
3:09.18 TOSABURO HOSOKAWA	JPN	1:38.12	HANS REICHEL	GER	11:10.57	WILLIAM LEARMONTH	USA	1:49.59	FRITZ ILGEN
3:12.12 GIORGIO PERONDINI	ITA	1:38.36	JOHN KELSO	CAN				1:50.66	V.MESHCHERYAKOV
3:12.42 YASUHIKO MIURA	JPN	1:42.07	JURGEN SCHUBERT	GER	*****			1:53.01	MASAYASU KAMIYA
400 M. FREE		1:42.20	KAIZO YAMAMOTO	JPN	M E N 85-89			1:58.25	ENRIC FERRER
6:20.66 WERNER SCHNABEL	GER	1:42.67	MORIAKI SUGIURA	JPN	*****			1:58.51	FUSAO TAKAHASHI
6:22.52 LAURI MALK	FIN	1:42.86	BELA FABIAN	HUN	50 M. FREE			1:59.56	JULIO ALVA
6:27.12 FRED DE BRUIJN	ESP	1:44.42	KATSUYA NAKAMURA	JPN	37.29	CLARKE MITCHELL	USA	2:00.35	YURII VLASOV
6:30.10 TOSABURO HOSOKAWA	JPN	1:45.33	HIROFUMI HOSOTANI	JPN	37.29	DAVID A RADCLIFF	USA	2:00.60	HORST KESTENER
6:31.71 GEOFF STOKES	GBR	1:46.39	AKIRA YAMASHITA	JPN	37.33	YOSHINAO KAMEI	JPN	200 M. BACK	
6:42.38 AMI TRAUBER	CAN	200 M. BRST		40.14	JOEL LOCKWOOD	USA	3:49.41	CLARKE MITCHELL	USA
6:50.17 HARUO MIZUNO	JPN	3:30.48	TONY GOODWIN	AUS	40.42	WAROKU HORIBE	JPN	3:55.84	V.MESHCHERYAKOV
6:52.10 TAKASHI SHIBATA	JPN	3:42.06	KAIZO YAMAMOTO	JPN	41.27	HITOYUKI MOROTOMI	JPN	3:58.20	SKIP MONSEIN
6:56.18 D.LEATHERBARROW	GBR	3:42.37	HANS REICHEL	GER	41.33	FUSAO TAKAHASHI	JPN	4:15.34	MASAYASU KAMIYA
6:57.56 NOBUMOTO TANAKA	JPN	3:50.10	JOHN COCKS	AUS	41.44	ANDERS SODERQVIST	SWE	4:22.09	ENRIC FERRER
800 M. FREE		3:51.30	FRED DE BRUIJN	ESP	41.48	HORST KESTENER	BRA	4:22.81	JULIO ALVA
13:04.89 FRED DE BRUIJN	ESP	3:58.32	MORIAKI SUGIURA	JPN	41.59	TAKANAO SATO	JPN	4:27.25	NORIO HAYASHI
13:45.24 GEOFF STOKES	GBR	4:00.79	P.WERMELSKIRCHEN	GER	100 M. FREE			4:30.45	HORST KESTENER
13:57.23 YASUSHI YAMAGUCHI	JPN	4:01.91	FUJIO YAMAGUCHI	JPN	1:22.97	DAVID A RADCLIFF	USA	4:35.46	FRITZ BOHME
14:16.93 MARK SHIBATA	CAN	4:06.67	TERUO YOSHIMURA	JPN	1:25.94	CLARKE MITCHELL	USA	4:38.68	FRED F SALZMANN
14:23.95 JUAN GAZZOLO	ARG	4:09.73	TAKEO KATO	JPN	1:28.38	JOEL LOCKWOOD	USA	50 M. BRST	
14:25.10 HARUO MIZUNO	JPN	50 M. FLY		1:31.39	TAKASHI IMASAKA	JPN	48.88	Y.KASHIKAWA	JPN
14:28.06 JOHN COCKS	AUS	36.11	HELMUT RICHTER	GER	1:34.14	WAROKU HORIBE	JPN	48.97	SAKAE OMORI
14:28.91 DEZSO MELKUHN	HUN	37.24	HIROSHI MATSUMOTO	JPN	1:34.56	KIYOSHI TANAKA	JPN	49.48	YASUO ASAKURA
14:39.40 GUIDO MARINELLI	ITA	39.11	TAISUKE MIYAZAKI	JPN	1:36.06	M.YOSHIZAWA	JPN	50.72	PATRICK GALVIN
14:57.34 GIUSEPPE BILOTTA	ITA	39.28	LAURI MALK	FIN	1:38.72	ANDERS SODERQVIST	SWE	50.81	IWAO NARUSE
1500 M. FREE		40.04	MAMORU HIRATA	JPN	1:40.15	FUSAO TAKAHASHI	JPN	51.72	JOEL LOCKWOOD



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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

L KEARNS E TARR S OLTNER G HEYN GREAT BRITAIN P GBR 1:55.38 A RAMM C THORN S BLICK S HEMPENSTALL CLUB DES NAGEUR FRA 1:57.24 SONIA IZEGHOVINE M.FUZZATI LAURA CONFOLANT ANNE HUYNH BRACKNELL & WOK GBR 1:57.82 K JOHNSON A JOHNSON K LEFTLEY K HISLOP TOULOUSE ATHLET FRA 1:58.01 CAROLINE CRUZEL LAURENCE BARTHE FABRIENNE LEFEVRE CHARLENE DAVIGNON BIG WEDNESDAY JPN 1:58.07 MIZUHO ADACHI ITO CHIO SAAYA YAGUCHI AKIKO KAGA EAST LEEDS SC GBR 1:58.20 S EVERS P RICKARD K GRAHAM E JONES LES SABLES D'OL FRA 1:58.43 PHILOMENE HENRY PASCALINE BOUQUET MURIEL SOUBEYRAND D.FEUTELAIS AGE 200-239 TABY SIM SWE 1:59.25 ANNICE ABERG C.UHRLANDER ANNA UDDHAMMAR GUNILLA RASMUSON TEAM ANGLIA MAS GBR 2:01.46 H DAVIS E WOOLNER L RYAN J WILLIAMS MTR JPN 2:01.75 MIKI AIHARA TAMAE YAMAKAWA KIKUKO KOBAYASHI MICHINO FUKUI STADE FRANCAIS FRA 2:03.89 M.KOPP-LEFORT ISABELLE BATISTA VALERIE DETAIS CLAIRE RODRIGUES GOLD RUSH JPN 2:04.15 YUKIKO OZAWA TOMOMI MIYAZONO CHIRO SAITO NAHOMI SHIRATA VICTORIA MASTER CAN 2:04.54 SARAH MACDONALD ANDREE BRAULT DANIELLE BRAULT CINDY MABEE SK NEPTUN SWE 2:05.06 ANNA-L ARKTOFT ANNA LOFTER MARIE HOLMBERG CAMILLA LAGERFORS POSEIDON RUS 2:05.07 E.SERGEVA GALINA TKACHUK OLGA KEDROVA IRINA MERZLIKINA WCM USA 2:05.31	ALISON H ZAMANIAN DANIELLE BOONE CHARLENE O'BRIEN LAURA A LAWRENCE DUNKERQUE NATAT FRA 2:05.34 I.DHERBECOURT VIRGINIE POT MARTINE VINCENT ISABELLE JOSSELIN AGE 240-279 CAMP HILL EDWAR GBR 2:06.79 H BETTINSON A BOURNE D NASH S LINTON POSEIDON RUS 2:11.67 NATALIYA DOLGOVA IRINA RYBANINA L.BEZRUCHENKO IRINA BOYTCOVA BOULOGNE BILLAN FRA 2:13.30 CLAIRE LE NAIL F.MIGNATELLI SOPHIE MORAND MARYSE FERRY NEM USA 2:13.63 TRACY L GRILLI KIM E GOODWIN KARIN E STOKES KAREN M MAREB KONAMI NISHINOM JPN 2:16.08 MAYUMI AMANO JUNKO NAGASE YOKO CHIHARA KAZUKO NOTO USM MALAKOFF FRA 2:16.21 NADIA IAZ BENEDICTE DUPREZ DANIELE WILMART SALIMA AGHA NTXL USA 2:16.84 LYNN MORRISON JANIE COLE K.HINKAMP SANDRA PENNEY ROMFORD TOWN SC GBR 2:16.97 A FORDHAM C HULETT B BOXALL D PALMER MID SUSSEX MARL GBR 2:20.89 J ROCKY A GWYNN C WALLIS S MILLS NAMIHAYA SUIEI JPN 2:21.54 FUMIE HONMA KAZUE OZAKI YOSHIMI NONOSHITA KYOKO SHIMOYAMA AGE 280-319 PSV NED 2:25.83 PATTY KRUIARZ LOTTIE GEURTS CORRIE VERHOEVEN ESTHER LOHUIZEN VMST USA 2:31.67 BETH SCHREINER BARBARA E BOSLEGO S.LOFTUS-CHARLEY ANN B LYTTLE MAM USA 2:40.69 RUTH Y SHAPS SUSIE A CASO RANDI VOORHIES CLAIRE DONALDSON HAKUYO S JPN 2:40.85 SETSUOKO SUZUKI NATSUMI YOKOYAMA YOSHIE WATANABE	CHIEKO HIGASHI ISLAND TAKATSUK JPN 2:42.81 KIYOKO IKEUCHI MIKIKO YONEZAWA YOKO HIROSAWA MICHIKO OTO TEAM KANALOA JPN 2:43.02 RITSUKO SUGIMURA MISAO WATANABE TAMAKA KIKUHARA KAORU HATANAO SHARK USA 2:43.67 JULIANNA HOLBROOK SUSAN L MEYERS CAROL MITCHELL JUNE CARSON ZAVAS TSURUMI JPN 2:47.07 YASUKO FUJIEDA YUKIKO AOYAGI IKUKO NAGASHIMA FUSAKO WADA VSA SETA JPN 2:50.35 TOSHIO TASUKI KIYOKO FUJII CHIEKO NAKANISHI KUNIYO ARAI RN EBINA JPN 2:50.45 MICHIKO YASUDA FUMIKO KOJIMA ATSUKO FUJINAGA FUSAKO YOKOTANI AGE 320-359 POINTE-CLAIRE M CAN 3:37.24 MAE WALDIE GAIL WHITTAKER JUDY OLIVER SHEILA NAIMAN SUNWAY YOKOHAMA JPN 3:39.21 MIEKO KAMOSHITA SETSU ISOBIE HIROMI TODA YURIE MOCHIDUKI KONAMI KITAOJI JPN 3:41.42 MICHIKO AISAKA YASUKO KUROYAMA ITSUKO SANO Y.FUJIBAYASHI SAPPORO AC JPN 3:45.35 SETSUOKO SAWADA KYOKO ABE YUKIE SATO TOMOKO SATO WCM USA 3:57.71 ANN M HIRSCH CAROLINE W WOOD LORI D BOETTNER DOLLY J ACKERMAN KSC NEYAGAWA JPN 3:58.15 HARUKO TAMURA TOSHIO KAYANUMA SHIZUE UMEDA MASAKO KOTO MAINICHI MSC JPN 4:06.76 FUSAE MARUYAMA TOSHIO KATO YASUKO NAKAMURA IKUE OGATA BSMT USA 4:06.95 CHARLOTTE SANDDAL PATRICIA HASTINGS SUZETTE A HARKIN PEGGY L STRINGER VMST USA 4:10.42 SANDRA HANNA JEANNE H MEREDITH SUSAN E MARENS LAURA S WALKER AQLUB CHOFU JPN 4:33.77 ETSUKO KAMIYAMA MIDORI MIZUKAMI SETSUOKO TANIKAWA	MACHIKO MORIOKA ***** RELAYS: WOMEN 200 M. MEDLEY ***** AGE 100-119 BIRMINGHAM MAST GBR 2:05.19 R MAN L CRANSHAW J CLARK K WALKER-STABELER ARARAQUARENSE A BRA 2:05.28 RENATA MARTINS L.MARCHESONI KARINA SEGURA LUANA CAVINATTI CUATRO CAMINO ESP 2:08.16 ITXARO BASTIDA PALOMA DOMINGUEZ MARTA MARTINEZ LORE MUTILOA ESBJERG SVOMMEK DEN 2:08.37 NICOLE MOLLER MARIE PHILIPSEN N.CHRISTIANSEN KATJA SONDERGAARD KU SVOMNING OG DEN 2:08.63 LAURA HANSEN SARA AMBJORN JOSEFINE PETERSEN LINEA HASAGER LADA RUS 2:08.67 EVGENIYA ZUBANOVA E.GUNDAEVA ELENA EVCHIK MARIYA PROKOFEVA GINASIO DE SANT POR 2:08.96 CAROLINA SILVA JOANA MAIA RUTE TEIXEIRA MARIANA ALMEIDA TRAFFORD METRO GBR 2:10.89 MONTEVERDE ESP 2:10.99 CLARA CAMACHO MARTA GARCIA SAMANTA REDONDO PAULA DEL VALLE TROYKA RUS 2:11.37 ELENA SHAMAEVA SVETLANA SOROKINA OLGA KHOROSHEVA ELENA ZHIDKOVA AGE 120-159 ALEX FITNES RUS 2:02.45 SVETLANA BERKOVA A.GOGOLEVA A.LISITSINA YULIYA KIKU TOULOUSE OLYMPI FRA 2:03.14 ELODIE SAMOUILHAN MARION REGNIER COLETTE GELAS JULIE DUCROCQ CLUB DES NAGEUR FRA 2:05.22 M.FUZZATI LAURA CONFOLANT LAURE LARRORY M.LETANG SOUTH BEDS MAST GBR 2:05.61 C EVELYN S PEARSE F MERRIDAN C KING YENISEI-MASTERS RUS 2:06.37 E.PLESHKOVA A.VESCHIKOVA E.LEBEDEVA OLESYA BRYKSINA T.C.CAMPINAS A BRA 2:06.89 LUIZA VIEIRA LUIZA QUAGLIA
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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

LARISSA FERREIRA ANA MORELLI SPRUT RUS 2:06.95 INGA TSARKOVA E.ANFINOGENOVA A.SESOROVA ELENA BABIKOVA NAUTIC CLUB ALP FRA 2:09.06 PAULINE LESBORGES ELISABETH PHARR M.FELLINI-STEPHAN LEILA DACHRAOUI ES NANTERRE FRA 2:09.70 KARINE BILSKI BEATRICE BLOUIN MORGANE CHOLLEY JESSY DINANE GOTEBORG SIM SWE 2:10.37 SOFIA ANDERSSON MARIA JACOBSSON MALIN NILSSON FRIDA BLADIN AGE 160-199 EDGE JPN 2:03.16 YURIKO IKEDA SATSUKI HIRUKAWA KAYO YOSHIMURA KAORU KOBAYASHI RYOGOKU KINGYO JPN 2:05.66 MITSUKO AZEYANAGI HITOMI TAKAHASHI MABI TSUKIOKA MACHIKO IWASHITA TEDDINGTON SC GBR 2:06.17 L KEARNS G HEYN S OLTNER E TARR UMEA SS SWE 2:09.09 C.J-SPONSELLER LOVISA NYMAN BERIT BENGTSON BIRGITTA OLOFSSON ZPC AMERSFOORT NED 2:09.39 MARIJE JANSEN LARISSA BRAK LESLEY CORDIAL L.BON-ROSENBRAND GOTEBORG SIM SWE 2:09.48 CAROLINE LINDBORG ANNA JENSEN HELEN SMITH ANNA OLSSON GREAT BRITAIN P GBR 2:10.51 S BLICK C THORN A RAMM S HEMPENSTALL LES SABLES D'OL FRA 2:11.80 MURIEL SOUBEYRAND PHILOMENE HENRY D.FEUTELAIS PASCALINE BOUQUET BRACKNELL & WOK GBR 2:11.95 K JOHNSON K HISLOP L COOKE K LEFTLEY TEAM DASH JPN 2:12.09 KIYOMI SAKAI MIYUKI YAMAGUCHI YAYOI MUKAI SACHIKO ISHIGA AGE 200-239 1693 USA 2:09.11 FALL WILLEBOORDSE KRISTEN S HARRIS SUSAN O WILLIAMS MARIE RESTREPO PSV NED 2:13.08	GUDULE VD MEER T.KETTING-KLAASSE JEANNE PETIT ESTHER LOHUIZEN TSUNAMI RUS 2:13.46 L.NAGOVITSYNA O.BRONITSKAYA EKATERINA YUDINA OLGA BORISOVA GOLD RUSH JPN 2:13.48 NAHOMI SHIRATA TOMOMI MIYAZONO CHIHITO SAITO YUKIKO OZAWA MTR JPN 2:15.02 MIKI AIHARA TAMAE YAMAKAWA MICHINO FUKUI KIKUKO KOBAYASHI TEAM ANGLIA MAS GBR 2:16.04 J WILLIAMS L RYAN E WOOLNER H DAVIS SIBMASTERS RUS 2:16.43 YULIYA FROLOVA OKSANA LELIKOVA MARINA KUKSINA INNA KOLOSHA CAMP HILL EDWAR GBR 2:16.61 S LINTON J SEYMOUR H BETTINSON J STALKER PORNIC NATATION FRA 2:17.11 NATHALIE HOET NATHALIE FORTUNE P.TALBOURDET N.WAMBERGUE TABY SIM SWE 2:18.99 HELENA FALTMAN ANNICE ABERG C.UHRLANDER GUNILLA RASMUSON AGE 240-279 NEM USA 2:21.99 JANET MCDONOUGH BETH A ESTEL SUE JENSEN KAREN M MAREB BOULOGNE BILLAN FRA 2:29.51 SOPHIE MORAND F.MIGNATELLI CLAIRE LE NAIL MARYSE FERRY CLAREMONT AUS 2:29.95 S. SWIRE-THOMPSON NICOLA CORSBIE BRIGID TAIT ELEANOR PARSONS NEVA STARS RUS 2:30.83 SVETLANA KOZLOVA IRINA SHANGINA KIRA MAKAROVA S.PRESNYAKOVA CLUB AQUATIQUE CAN 2:32.45 DENISE SENECHAL NICOLE BRANCHAUD JANINE BOIVIN GINETTE BOIVIN USM MALAKOFF FRA 2:33.11 BENEDICTE DUPREZ SANDRINE LE GALL DANIELE WILMART SALIMA AGHA MID SUSSEX MARL GBR 2:34.05 K BIDNALL J MCKERCHAR C WALLIS J ROCKY POSEIDON RUS 2:34.26	L.BEZRUCHENKO GALINA TKACHUK OLGA KEDROVA IRINA RYBANINA VICTOR SPIRITUS BRA 2:34.55 L.NASCIMENTO YARA PEREGRINO MYLENE RIBEIRO DEBORA JACONI NAMIHAYA SUIEI JPN 2:36.17 FUMIE HONMA KYOKO SHIMOYAMA YOSHIMI NONOSHITA NORIKO HAYAKAWA AGE 280-319 PSV NED 2:48.97 CORRIE VERHOEVEN INEKE WEEKERS PATTY VERHAGEN LOTTIE GEURTS SHARK USA 2:59.35 CHRIS S GILLIGAN JUNE CARSON JULIANNA HOLBROOK ANN H GUINS MAM USA 3:02.84 RUTH Y SHAPS SUSIE A CASO CLAIRE DONALDSON RANDI VOORHIES ISLAND TAKATSUK JPN 3:07.96 NOBUKO NITTA SACHIKO HIDAKA MICHIKO OTO KIYOKO IKEUCHI KONAMI GOKO JPN 3:10.32 YOKO ARAI MIYAKO DOMEN TAKAKO MATSUOKA TOMOKO SATO HAKUYO S JPN 3:12.72 CHIEKO HIGASHI MIDORI NOMURA FUMIKO NAKAMURA YOSHIE WATANABE KONAMI NISHINOM JPN 3:13.10 CHIKAKO MOCHIZUKI KAZUKO KAJIWARA ETSUKO TOMINAGA HISAKO SATO HACHIOJI SC JPN 3:14.08 SHIZUKO ISHII TAMAE FURUYA YASUKO OKI EMIKO NARUSHIMA ZAVAS TSURUMI JPN 3:14.11 YUKIKO AOYAGI IKUKO NAGASHIMA YASUKO FUJIEDA FUSAKO WADA KONAMI HIGASHIK JPN 3:16.14 SACHIE INOUE MISAKO MOMOTA SACHIKO FUKAZAWA ITSUKO MURASE AGE 320-359 OVKBR CZE 4:22.65 JAROSLAVA JIRKU D.FEREBAUEROVA DANA MALONOVA EVA LISCINSKA BSMT USA 4:25.53 CHARLOTTE SANDDAL SUZETTE A HARKIN PEGGY L STRINGER PATRICIA HASTINGS FACT USA 4:30.56 PATRICIA TULLMAN MARTHA HENDERSON PATRICE L HIRR	JOAN K CAMPBELL MAINICHI MSC JPN 5:07.40 IKUE OGATA TOSHIKO KATO FUSAE MARUYAMA YASUKO NAKAMURA TENERIFE MASTER ESP 5:24.29 HORTENSIA PEREZ BEATRIZ GUZMAN M.RODRIGUEZ AMPARO MARTINEZ UNAMIRIBEIRAO M BRA 5:52.59 CELIA BRESCEIA TEREZINHA SILVA VERA COSTA MARIA SAMPAIO ACUÁTICA NELSON MEX 6:26.86 MARIA MORALES MAGDALENA ORDOÑEZ JOSEFINA CAMACHO MARIA GARCIA ***** RELAYS: WOMEN 400 M. FREE ***** AGE 100-119 SEN-SWIM JPN 3:55.76 RIE NAKAGAMI KANAKO TAYAMA MAYA HATANAKA MIKA KASHIWAZAKI ESBJERG SVOMMEK DEN 4:10.59 N.CHRISTIANSEN MARIE PHILIPSEN KATRINE SORENSEN NICOLE MOLLER SOUTH BEDS MAST GBR 4:27.65 J HOLDER F MERRIDAN E IRVINE C EVELYN MEMO USA 5:14.82 CAYLAN RODRIGUEZ PAULA TE HANNAH PETER LAURA RAMBO AGE 120-159 BIRMINGHAM MAST GBR 3:58.02 K WALKER-STABELER A LANE A MCCALL J CLARK OTTER SC GBR 4:19.18 C VRAIN S JANE LAW G HOBSON C DEMONT ZPC WOERDEN NED 4:21.37 ILSE VD WIJNGAARD MARJAN LANGE SABINE LINA MANDY VERBAKEL MINN USA 4:23.84 KATHERINE KAISER KATHRYN E VANDAM C.FITIPALDI ELIZABETH NYMEYER DCAC USA 4:31.06 KATIE STEFL NOURA HEMADY SARA HEWITT MEREDITH A STAKEM ITOMAN TAMA JPN 4:33.41 SHIN CHIE YUKA MOCHIZUKI ERIKO FUKUDA MIKI TAKEDA ZWEMCLUB KOEWAC NED 4:36.69 INGEBORG HAMELINK JOSINE DORSSELAER JOAN FONTEINE JESSICA KLAASSEN
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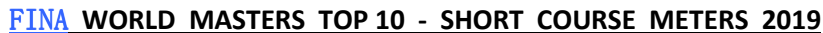
FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

RZC	NED	4:40.78	SASKIA PHAFF	BARBARA E BOSLEGO	L CRANSHAW
MALOU HEIDEKAMP			GUDULE VD MEER	S.LOFTUS-CHARLEY	J CLARK
MARIEKE DODEWEERD			AER LINGUS IRL 4:37.60	POWERPOINTS AUS 5:42.39	K WALKER-STABELER
RITA VD HORST			CHARLOTTE REID	MADELYN-ANNE RING	WVZ NED 4:37.49
M.KESSENICH			CARA MULCAHY	MARIJKE ALDERSON	MABEL SULIC
TROYKA	RUS	4:47.52	NIAV HALPIN	ROSA MONTAGUE	MANON VAN STRIEN
ELENA SHAMAEVA			DYMPHNA MORRIS	MARY SONTROP	DELIA BADOUX
M.KUTEYNIKOVA			VICTORIA MASTER CAN 4:38.08		ISABELLE MASSAR
ELENA KRUTITSKAIA			AVIDA RHODES	AGE 280-319	ENGLISH BAY MAS CAN 5:44.59
OLGA KHOROSHEVA			SARAH MACDONALD	PSV NED 5:29.60	EMILY ADAMCZYK
CLUB AQUATIQUE CAN 4:58.18			DARLANA BARTLE	INEKE WEEKERS	KATELYN MUELLER
V.VALIQUETTE			CINDY MABEE	LOTTIE GEURTS	TAMMY BAYLIS
ELISE JETTE			BARNET COPTHALL GBR 4:40.65	CORRIE VERHOEVEN	SHANNON PYKE
M.DESCHENES			C JACKSON	PATTY VERHAGEN	BLACKTOWN CITY AUS 6:01.14
A.GUILLEMETTE			C PORTER	VMST USA 5:30.90	ANNA MANSKI
			L DAWSON	BARBARA E BOSLEGO	ALEX HARDY
			S PROCTER	BETH SCHREINER	A. SKULANDER
AGE 160-199			FEIJENOORD ALBI NED 4:42.07	ANN B LYTLE	CONNIE GORHAM
GREAT BRITAIN P GBR 4:11.24			TINEKE JANSSEN	S.LOFTUS-CHARLEY	
A RAMM			PETRA SCHOON	SHARK USA 5:48.50	AGE 120-159
C THORN			N.BURIK-GEIJSEN	JULIANNA HOLBROOK	ALEX FITNES RUS 4:33.80
S HEMPENSTALL			MIRJAN AARSE	MEREDITH A MOORE	SVETLANA BERKOVA
S BLICK			TERRASSA ESP 4:43.07	SUSAN L MEYERS	A.GOGOLEVA
TEDDDINGTON SC GBR 4:12.76			NATALIA MAS	JUNE CARSON	A.LISITSINA
G HEYN			CRISTINA REY	MAM USA 6:07.58	YULIYA KIKU
E TARR			SILVIA PAGES	RUTH Y SHAPS	OTTER SC GBR 4:54.65
S OLTNER			SUSANA PAGES	SUSIE A CASO	H DAVIS
L KEARNS			POSEIDON RUS 4:43.92	RANDI VOORHIES	C VRAIN
BRACKNELL & WOK GBR 4:24.44			ELENA MEKHTELEVA	CLAIRE DONALDSON	S LAW
A VAAL			OLGA KEDROVA	MALVERN MARLINS AUS 6:41.15	E WORTHINGTON
N THORPE			GALINA TKACHUK	MARY WILLIAMS	ZPC WOERDEN NED 4:59.45
K LEFTLEY			IRINA MERZLIKINA	JOAN SIMPSON	SABINE LINA
K HISLOP			TARRACO ESP 4:46.66	PATRICIA BAKER	ILSE VD WIJNGAARD
SIGMA SWIM DEN 4:32.81			CLAUSTRE DURAN	SUE BOEKEL	MARJAN LANGE
N.FRANSEN			M.DEL MAR RAVES	BLUE AUS 7:09.53	MANDY VERBAKEL
TILDE JUUL			GEMMA ZAPATER	JENNIFER LAUNT	MINN USA 5:00.33
CECILIA MAUNSBACH				KAY BURTON	KATHRYN E VANDAM
ANE ANDERSEN				SUE WILES	KATHERINE KAISER
SPENCER SWIM TE GBR 4:37.47				KATHRYN DOBSON	C.FITTIPALDI
B HALLS			AGE 240-279	PORT MACQUARIE AUS 7:13.60	ELIZABETH NYMEYER
R CORNFORD			ROMFORD TOWN SC GBR 5:04.81	MARGARET NUNN	ZWEMCLUB KOEWAC NED 5:09.01
S MAIDMENT			A FORDHAM	ROSALYN HODGE	JESSICA KLAASSEN
C GOLDSCHMIDT			C HULETT	NANCY WHITELEY	ELINE NIJSKENS
SCAQ USA 4:39.54			B BOXALL	CHRISTINE CARTER	J.DORSSELAER
ANA FRADKIN			D PALMER	RED COMET JPN 7:13.88	JOAN FONTEINE
RACHEL R PINTO			MID SUSSEX MARL GBR 5:10.27	CHIEKO SHIMIZU	TROYKA RUS 5:14.73
R.PESCATORI			J ROCKY	TAKAKO KAWAGUCHI	ELENA KRUTITSKAIA
SHIRLEY K FLADOOS			S MILLS	AKEMI MATSUI	M.KUTEYNIKOVA
NORTH SYDNEY AUS 4:45.63			A GWYNN	CHINAMI YOSHIDA	ELENA SHAMAEVA
AMBER KELLY			L HOOKER	MINN USA 8:02.59	OLGA KHOROSHEVA
MICHELLE HALLIT			KONAMI NISHINOM JPN 5:11.48	S.LEE-SHERIDAN	MONTERLAND NED 5:17.11
FIONA REED			MAYUMI AMANO	BABS H LARSEN	HANNEKE HEYMEN
VICKY WATSON			JUNKO NAGASE	ANNLIV BACON	E.MAASTRIGT
LVM USA 4:46.80			KAZUKO NOTO	PAT J LILLEHEI	KELLY BOCKTING
KARIN M WEGNER			YOKO CHIHARA	TECHNOSPORT CAN 8:30.90	ANGELA GIEZEN
MEGAN M JOHNSTON			PREGEL RUS 5:24.73	MARINA MORIATIS	COMPETITION A BRA 5:19.85
LESLEY HODGES			MARINA KILINA	C.CHAPMAN	JULIA PELLUCHI
SUSAN HITCH			ELENA KOLYADINA	DIANE GRANT	LOUISE COMINATO
SRM USA 4:49.08			N.ALESHCHENKO	PENNY CULLEN	LIGIA BARREIRO
MARCELA RUEDA			N.BAKHURINSKAYA		ANDREA MOYSES
ROBIN A BULMAN			MMAC USA 5:25.90	AGE 320-359	CLUB AQUATIQUE CAN 5:33.96
SHEILA NELSON			AMY B MULLANEY	SPENCER SWIM TE GBR 7:51.31	M.DESCHESNES
KELLI A BROUSSARD			CYNTHIA G CLUTTER	D FORD	A.GUILLEMETTE
GERM USA 4:51.36			JOANNE MENARD	G ISAAC	ANDREE FLUET
TERRI POSTMA			ANN V MCGRATH	M HITCHCOCK	LUCIE MACAULAY
LISA M CHIN			CLUB AQUATIQUE CAN 5:29.99	J HOWARD-JONES	NORTH SYDNEY AUS 5:37.97
DENISE L DOMBAY			GINETTE BOIVIN	FACT USA 8:23.52	MICHELLE HALLIT
DOROTA M HASSETT			JANINE BOIVIN	PATRICE L HIRR	ROWENA SOLOMONS
			NICOLE BRANCHAUD	PATRICIA TULMAN	AMBER KELLY
			NICOLE SEGUIN	MARTHA HENDERSON	FAYE HURWITZ
AGE 200-239			ATLANTIS AUS 5:30.19	JOAN K CAMPBELL	
CVMM USA 4:20.42			JUDY THOMAS	MICH USA 9:42.51	AGE 160-199
ARLETTE A GODGES			JOY PAGE	KITTY BRULLE	NCMS USA 4:31.32
BECKY CLEAVANGER			SANDRA BENNETT	RITA GELMAN	KERRY LINDAUER
EVE G MAIDENBERG			M. HEFFERNAN	ANN E HUNT	SARA DUNN
JILL E GELLATLY			ZAVAS SC DELTA JPN 5:33.45	LAURA J GOGOLA	IRISH HOLLAND
CLUB AQUATIQUE CAN 4:28.43			YUKO TERASHIMA	*****	ERIKA L BRAUN
ANDREA SEGUIN			KYOKO MATSUBARA	RELAYS: WOMEN 400 M. MEDLEY	TRAFFORD METRO GBR 4:41.31
MARA DO SANTOS			MINAKO YAMAMOTO	*****	L ZOLKIEWSKI
JOSEE CHAPDELAIN			NOBUKO SATA	AGE 100-119	G BOLTON
DENISE SENECHAL			VMST USA 5:39.95	BIRMINGHAM MAST GBR 4:33.44	L LLOYD-ROACH
PSV NED 4:32.90			MARCIA L BARRY	R MAN	H SADLER
ESTHER LOHUIZEN			CLAIRE A LETENDRE		
LISELOTTE JOLING					



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

TEDDINGTON SC GBR 4:44.10	HEMEL HEMPSTEAD GBR 5:46.53	NANCY KRYKA JAN H MILLER MINN USA 8:27.59	BETSY SMITH ANASTASIA GRAF LACEY E ERB MEMO USA 13:05.96
L KEARNS G HEYN S OLTNER E TARR	S MACDONALD J LEE-PEARCE C CRUTTWELL	ANNLIV BACON MARY F CONWAY BABS H LARSEN SHANNON W SWARTZ	NIA B DOYLE YASUKO TORRE PAULA TE KOUNG CHAIYASANE
FAREHAM NOMADS GBR 4:49.30	MMAC USA 5:52.17	MANLY MASTERS AUS 8:55.44	AGE 160-199
J CORBEN C TAGG L MOLYNEAUX L GRUNER	ANN V MCGRATH CYNTHIA G CLUTTER SHEILA ARREDONDO LINDA A BUCHANAN	PAMELA RAWLING SUZANNE JOHNS RUTH FITZPATRICK JUDITH BORNSTEIN	SPM USA 8:57.42
LEICESTER PENGU GBR 4:51.96	AGE 240-279	FACT USA 9:25.06	MARINA FALCONE PAULA M TEXEL C.PETERSEN CHELSEA B NAUTA
L ANNE LOCK H BIRD J PETIT E PRUSEK	NEM USA 5:17.97	PATRICIA TULLMAN MARTHA HENDERSON BARBARA A MCRULTY SHIRLEY FISHLOCK	ROMFORD TOWN SC GBR 9:26.52
GREAT BRITAIN P GBR 4:53.62	JANET MCDONOUGH BETH A ESTEL SUE JENSEN KAREN M MAREB	SCHH USA 9:27.81	M LANE A FORDHAM K NEAL D PALMER
S BLICK C THORN A RAMM S HEMPENSTALL	MID SUSSEX MARL GBR 5:48.04	JOANNE F STEWART ANN TULLIE GINNY TAYLOR DEBRA K WALSH	BRACKNELL & WOK GBR 10:03.59
BIRMINGHAM MAST GBR 4:59.66	K BIDNALL J MCKERCHAR S MILLS J ROCKY	AGE 320-359	N THORPE K LEFTLEY L WILCOX J CRITTENDEN
A MCKENNA A MCCALL E JOHNSON R KRONE	SPENCER SWIM TE GBR 5:57.43	SPENCER SWIM TE GBR 8:20.97	CITY OF COVENTR GBR 10:04.84
SCAQ USA 5:12.11	H TRIPPE A HEATH A NEWBERY F BAKER	G ISAAC M HITCHCOCK D FORD J HOWARD-JONES	S MATTHEWS D SMITH J SMITH S GEILL
MARCI BAUN ROMINA CARISTO ANA FRADKIN RACHEL R PINTO	PREGEL RUS 6:02.56	RELAYS: WOMEN 800 M. FREE	EXE MASTERS SWI GBR 10:21.72
RN NISHIKOKUBUN JPN 5:16.09	MARINA KILINA ELENA KOLYADINA N.ALESHCHENKO IRINA TITOVA	AGE 100-119	P O'GRADY J MCGREGOR-HARPER A PARHAM T DUDLEY
CHIHIRO KOBAYASHI HIROYO TAKEMURA RIEKO YANAI NORIKO SASAKI	CLUB AQUATIQUE CAN 6:09.95	STEENWIJK 1934 NED 10:04.93	GERM USA 10:51.90
PINHEIROS A BRA 5:16.39	GINETTE BOIVIN NICOLE BRANCHAUD JANINE BOIVIN NICOLE SEGUIN	LONNEKE OENEMA GETRUEDE CORPORAAL ILSE BLANKVOORT C.GROENEVELD	DOROTA M HASSETT DENISE L DOMBAY TERRI POSTMA LISA M CHIN
GISELI PEREIRA IARA SCARPELLI SIMONE ASSUGENI CATIA SILVA	VMST USA 6:39.33	AGE 120-159	TEAM SASUKE JPN 11:08.74
AGE 200-239	MARCIA L BARRY BARBARA E BOSLEGO S.LOFTUS-CHARLEY CLAIRE A LETENDRE	ZPC WOERDEN NED 9:39.26	YOSHIMI INAFUKU HIROKO OTA YUKIKO MARUYAMA MASAMI KAJITA
PSV NED 4:52.48	MOVY USA 6:40.12	ILSE VD WIJNGAARD MARJAN DE LANGE SABINE LINA MANDY VERBAKEL	WCM USA 11:18.52
GUDULE VD MEER T.KETTING-KLAASSE JEANNE PETIT ESTHER LOHUIZEN	S.BLATTNER-ORWICK JEANNE MATHIESEN HEATHER HUETTNER PATRICE HAYNES	SIGMA SWIM DEN 9:54.83	LORI J ROGERS MARISSA G NONAKA LINDSEY A CANNON LAURA A LAWRENCE
CLUB AQUATIQUE CAN 5:13.58	KONAMI NISHINOM JPN 6:40.51	LONE KARLBY TILDE JUUL NINA FRANDSEN ANE ANDERSEN	POWERPOINTS AUS 11:47.39
DENISE SENECHAL JOSEEP CHAPDELAIN CAROLINE DUCHESNE ANDREA SEGUIN	CHIKAKO MOCHIZUKI YOKO CHIHARA AKIKO CHIGUSA HIROKO KAKO	ZWEMCLUB KOEWAC NED 10:07.60	JACKIE FRASER YVONNE EGAN N. WALKER MARIA CARRENO
POSEIDON RUS 5:14.08	NEM USA 7:01.32	JOAN FONTEINE JESSICA KLAASSEN INGEBORG HAMELINK J.DORSSSELAER	OUT TO SWIM GBR 11:47.89
OLGA KEDROVA ELENA MEKHTELEVA IRINA MERZLIKINA GALINA TKACHUK	CYNTHIA R GARDNER ALISON M DIXON SUZANNE TOWNE BARBARA A WEST	RN KUNITACHI JPN 10:20.37	T LAATTALA S FUNDERBURK V CARTER S RAMSAY
TERRASSA ESP 5:14.52	KONAMI KAWASAKI JPN 7:03.26	AIMI SETAGAWA MIYU NAKAO REI OBIKA	AGE 200-239
SUSANA PAGES SILVIA PAGES CRISTINA REY NATALIA MAS	KIEKO KITAMURA MAKIKO SHIMIZU MIHO SATSUKAWA YUMI KASAHARA	WVZ NED 10:21.83	TERRASSA ESP 10:21.99
FEIJENOORD ALBI NED 5:21.11	AGE 280-319	TESSA VERHEIJDT PETRA VERSTEGEN MONIQUE PRONK ISABELLE MASSAR	NATALIA MAS CRISTINA REY SILVIA PAGES SUSANA PAGES
TINEKE JANSSEN MIRJAN AARSE PETRA SCHOON N.BURIK-GEIJSEN	PSV NED 6:39.47	KONAMI MUSASHIU JPN 10:40.08	FEIJENOORD ALBI NED 10:32.34
PBM USA 5:31.61	PATTY KRUIARZ CORRIE VERHOEVEN PATTY VERHAGEN LOTTIE GEURTS	HIROMI OCHI WAKANA YAJIMA AYA IWATA NOZOMI MINEGISHI	TINEKE JANSSEN PETRA SCHOON N.BURIK-GEIJSEN M.AARSE
HOLLY GREEN BLAIR CHRIS WENZEL LINDA BOSTIC JOAN P CRAFFEY	KONAMI NISHINOM JPN 6:48.67	OLD DUTCH NED 11:22.15	AWJ USA 10:44.14
MID SUSSEX MARL GBR 5:35.02	ETSUKO TOMINAGA KAZUKO KAJIWARA JUNKO NAGASE HISAKO SATO	MARJON BOIDIN MARLEEN ZANTINGH LOES SCHELLEKENS CHANTAL VERHOEFF	M.COUNTRYMAN LEANN M ROSSI ANN COLLOTON MALENA B HANKINS
S DAVISON E GRIFFIN-HIND C CHILTON L HOOKER	MAC FUJISAWA JPN 7:47.81	ATHENA AMC JPN 11:42.96	SPENCER SWIM TE GBR 11:05.18
WCM USA 5:44.76	YUMIKO TAKEMOTO MIEKO HORIGUCHI NAOMI YABE SUMAKO YAMAGUCHI	YUKI ARAHATA MARI OKOSHI TOMOKO HATTA ASAMI NAGASAKI	L KERRIGAN A NEWBERY F BAKER E ISEPPI
CATHERINE TAYLOR KAREN DUGGAN DANIELLE BOONE ALISON H ZAMANIAN	SHARK USA 8:08.44	ERNY TNYA USA 12:30.64	
	CAROL MITCHELL MARTHA SAMUELSON	ERIN HUGHES	

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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

ALAN PESSOTTI MARCELO PONTES RICARDO PINHEIRO ES NANTERRE FRA 1:54.02	IM	USA 2:09.30	BIRMINGHAM MAST GBR 2:59.93 A LOWE K INGRAM J TENNANT M MARSHALL PINHEIROS B BRA 3:06.45 BERND RIEGER BURKHARD CORDES WOLF HEINEKEN NELSON FILHO GOLD USA 3:09.67 BILL DYKSTRA R.PENDERGRASS DAVID R MCINTYRE CAV CAVANAUGH MOSCOW MASTERS RUS 3:10.77 V.MESHCHERYAKOV NIKOLAY YUDOVICH SERGEY GRIGOREV SERGEY TORLETSKIY HIROSHIMA SEIFU JPN 3:32.94 SHIGERU INOUE MASAKI SUGA TORU TAGA AKIRA TAKEUCHI KAMAKURA MSC JPN 3:36.54 KEISUKE TAJIMA KENICHI KATAGIRI YOSHIHIRO NAKANO IWAO SHIMADA HAKUYO S JPN 3:38.72 SATOSHI FUJITA AKIHITO ISHIGAMI ETSUO FUTAMACHI TOSHIMI INATOMI TACHIKAWASUIKYO JPN 3:43.43 TOSHIO ISHIBASHI TSUTOMU MIYAUCHI TAKANAO SATO YUSUKE SAYAMA ***** RELAYS: M E N 400 M. FREE ***** AGE 100-119 EAST LEEDS SC GBR 3:24.53 A CRAWFORD R JAGGER R AYRE R FLANAGAN FEIJENOORD ALBI NED 3:31.31 ROMERO HENNEP TIMO DINKELBERG NOL VAN THULL ENSGER KOTTERINK BIRMINGHAM MAST GBR 3:38.88 G GILES M JAMES A DAVIDSON L HERBERT CITY OF CAMBRID GBR 3:42.58 L WESTWOOD A LYNCH M TANSINI K BACH TNYA USA 3:43.38 ANDREW SIDERAS JUSTIN WEST AMINI T FONUA ISAAC ROTHENBAUM ESBJERG SVOMMEK DEN 3:45.64 C.RASMUSSEN MARTIN OLESEN S.JOHANNESSEN PETER LUND HANSEN DCAC USA 3:46.17 AMR E EL-SAYED SHANE DONOVAN ARTHUR M STAUB WILLIAM C MEADOWS KONAMI KAWASAKI JPN 3:48.47 TAKAHIRO SHIMIZU MIKIO YAMAZAKI	KAKUTA SHO DAISUKE AKACHI TEAMQUARD JPN 3:51.17 TAKESHI HOSHI TAKASHI ABE TAKAHISA ENDOU SHIGEKI NOGUCHI TOBIUO CLUB JPN 3:53.29 TAKEHIKO NANAO TAKUMI ARAYA DAISUKE ENDO KENTO KANNO AGE 120-159 TRAFFORD METRO GBR 3:32.67 P BARNARD D MILLS T MILLS D KORCZ USF USA 3:33.42 CAMERON OWEN ARTHUR GOUVEA ANDRE BRILHANTE JOHN SAMOTYJ CITY OF CAMBRID GBR 3:33.95 D KOUSOULIDIS N TAYLOR M LEAMON L BARNETT TROYKA RUS 3:37.46 SERGEY FIRICHENKO ROMAN OSINTSEV VLADISLAV ISHCHUK IVAN KOVALEV MATSURI JPN 3:44.14 TOMOHIRO KONISHI YUKIO YOSHIMURA TSUYOSHI NAKAO RYAN TULLOCK BRIGHTON DOLPHI GBR 3:44.62 P ALLEN M LAMBERT J POOK K PICKARD MMAC USA 3:45.96 JACOB STOLL ETHAN I FISHER RICHARD EDGAR KORY T NICHOLS O2SWM GBR 3:47.63 ANDREW BENSON DAVID MCLAUGHLAN MATT WAN NEAL THOMSON POWERPOINTS AUS 3:48.78 THOMAS STEPHENS BRETT DAVIDSON KIPP KAUFMANN STEPHEN CRONK KONAMI MUSASHIK JPN 3:50.89 NOZOMU KATAYAMA YUICHIRO MURATA KAI WATANABE TAKAMITSU ONO AGE 160-199 NAUTICO UNIAO A BRA 3:32.84 FELIPE MESSIAS WILLIAM DUTRA EDUARDO LORENZI ANDRE LORENZI KENILWORTH MAST GBR 3:33.29 M MACHADO M WARDLE J WARDLE N SMITH WARRINGTON MAST GBR 3:37.47 B HARKIN G ATHERTON C RIX T ELAND OTTER SC GBR 3:46.35
HAKAN PERSSON BENGT OLSSON CALVIN MAUGHAN ANDREAS K SEIBT HARVEY G SEYBOLD TED J SOLTYS RICHARD RUDERMAN POSEIDON RUS 2:10.03 DMITRIY KROMSKIY ANATOLIY SAVCHUK SERGEY KOZLOV VALERY KARTASHOV UNAMIRIBEIRAO M BRA 2:10.94 MARCIO ALMEIDA AECIO AMARAL WALTER MARQUES FRANCISCO FILHO AGE 280-319 VCM USA 2:12.29 STEVEN V HECK HUBIE KERNS GLENN A GRUBER BRUCE W ROLLINS TOROKBALINT HUN 2:19.39 JOZSEF CSIKANY GABOR SOMLIA LASZLO CSABA FERENC ERDELYI POSEIDON RUS 2:23.31 VIKTOR KORESHKOV VIKTOR ESIPOV VLADIMIR GETMAN A.BASHMAKOV NEVA STARS RUS 2:25.32 VASILIY POPOV A.KHARCHENKO OLEG TKACHENKO OLEG PETKAU MURASAKI SPORTS JPN 2:28.58 SHIGEO KANAI YASUFUMI TSUNEOKA RYUJI TAKAMINE YOSHIHIRO KISHI PSM USA 2:31.92 STEPHEN W FOGG JOHN B BAKER STEVEN B PETERSON WILLIAM B HAYES UNAMIRIBEIRAO M BRA 2:33.92 JOSE FERREIRA ANTONIO ORSELLI NORIVAL AGNELLI MARCELO PIVA KOMATSU SC JPN 2:35.02 SHIGERU SAKAI MASANAO BAN YONEZO SHIMAHATA TADANOBU YAMADA PVKBR CZE 2:38.09 JIRI SHEJBAL ZDENEK EISENWORT FRANTISEK POKORNY RUDOLF SMERDA ARIZ USA 2:39.07 BILL TON DOUGLAS SPRINGER STEVEN R WILLER CRAIG A SHAFFER AGE 320-359 HELLAS SK SWE 2:39.05 ERIK FORSLUND MATTHIAS KRONER LAURI MALK PETER BERGENGREN PINHEIROS A BRA 2:58.05 OSMAR SILVA DETLEF SCHULTZE ALFRED JACOB DOUGLAS ALPINO				
YOSHITAKA MARUI HAJIME MORIMOTO YUKINARI OKUNISHI DAIKICHI MAEYAMA JONKOPINGS SS SWE 1:56.34 TOMAS CALMVIKEN JOAKIM HOLMQUIST HAKAN JONGREN STURE LANTZ METROPOLE ESP 1:56.99 ANTONIO SOLIS MARCELLO TONELLI BENTEJUI SANCHEZ CIRO GUTIERREZ POSEIDON RUS 1:57.76 RAVIL NOGUMANOV PAVEL FILATOV OLEG PLUTOK VASILIY EFREMOV REAL CANOE N.C. ESP 1:57.92 ANTONIO EGIDO RICARDO NADAL JESUS GOMEZ LUIS ZUBILLAGA TOULOUSE OLYMPI FRA 1:58.41 GREGORY SOLOMIAC NEIL KEMP HAMID MESROR MARC HAENLIN PBM USA 1:59.03 DANIEL LOTANO BARRY GARLAND MICHAEL AUBREY D.BEUTTENMULLER SPRUT RUS 1:59.08 A.NURMUKHAMEDOV YURIY NENISHIN ALEKSEY SHIBAEV IGOR PENCHUKOV AGE 240-279 CWC MAEBASHI JPN 1:59.59 HIROSHI SHIBUYA MASAAKI OTSUKI SHOTARO IMAI FUMIO SHIGENO ETOBICOKE OLYMP CAN 2:03.38 PETER MCKINNON TOM NAYLOR NICK FOSTER RON ARMSTRONG SHARK USA 2:05.23 DAVID M ZIMMERMAN JACK R GROSELLE KEVIN M MCCORMACK JEFFREY BOATRIGHT TOULOUSE ATHLET FRA 2:06.31 STEPHANE GILBERT OLIVIER BORIOS PHILIPPE HERVE R.DOBBELLMANN GOTEBORG SIM SWE 2:06.55 LENNART MENTOR MICHAEL MACDONALD JORGEN ERIZON GLEN BENGTTSSON PSV NED 2:07.37 BREND BREVE HAROLD MATLA FRED KETTING EVERTJAN MASUREL TABY SIM SWE 2:08.81 J.SARACCO				



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

C GILLESPIE N BARBER P DIXON D WARREN ARIZ USA 3:48.23	PIETER BROEK FRED DIJKSHOORN STEFAN OOSTDIJK MARK NUIJTEN AGE 240-279 BIG WEDNESDAY JPN 4:09.85 HIROYUKI YOBICO MASAKAZU KANEKO HIROYUKI NAKASHIO TOORU YAMAMURA SHARK USA 4:14.09 JACK R GROSELLE BRIAN D SAYLOR BERT BOWERS JEFFREY BOATRIGHT CWC MAEBASHI JPN 4:14.52 SHOTARO IMAI MASAAKI OTSUKI HIROSHI SHIBUYA FUMIO SHIGENO ETOBICOKE OLYMP CAN 4:15.54 M.MACPHERSON DAVE FREEMAN RON ARMSTRONG TOM NAYLOR GRA USA 4:17.33 DAN JENSEN TOM BURKE BRUCE MENEFEE PAT MEANEY DCAC USA 4:21.14 JEFFREY D MEAD KEVIN M MAJOROS CRAIG J FRANZ G.HEUCHLING MOVY USA 4:24.82 KYLE STEPHENSON DAVID A ORWICK BILL SHERMAN BOB WELCHLIN CVM USA 4:27.30 MARK BUCKLEY ROBERT A ROSEN BRADFORD STANLEY DOUG J KOEHLER TNYA USA 4:30.75 CHARLES A CARSON GLENN WHARTON BRAD G COLE RJ HERMANET ST ALBANS MASTE GBR 4:33.12 M SCOTT B MCSHEA D BEVERIDGE N CULLEY AGE 280-319 VCM USA 4:24.63 GLENN A GRUBER HUBIE KERNS BRUCE W ROLLINS STEVEN V HECK EIAI CLUB JPN 4:51.93 YOSHIO FURUYA KAZUO NAKASHIMA HARUO MIZUNO AKIRA IIDA PBM USA 5:07.45 DAVID QUIGGIN ROGER L PARSONS SCOTT P MCMILLEN ROBERT A HEACOCK UTSUNOMIYA MEC JPN 5:21.27 MASUO SATO YUICHI FUKASAWA TOSHIO OKAMOTO HARUO KUBO TACHIKAWASUIKYO JPN 5:36.36 CHIKARA FUJIWARA TOSHIKI TERASAKI TOSHIO ISHIBASHI	TSUTOMU MIYAUCHI MANLY MASTERS AUS 5:36.58 GARY STUTSEL LINDSAY BRICE KEVIN PRICE ABEL BORNSTEIN MINN USA 5:38.07 MARC S ANDERSON MARK KAPLAN THOMAS A HODGSON DAVID LOCKARD OTTER SC GBR 5:48.29 R LLOYD-MOSTYN A RAY J GOODBODY D PARR ARIZ USA 5:48.72 STEVEN R WILLER CRAIG A SHAFFER STAN J STREBIG JAMES S SPIEGEL CITY OF SUNDERL GBR 5:53.17 I WHYTE B ROBINSON G SHUTT N STEPHENSON AGE 320-359 RILA HITACHI JPN 5:51.61 YAKUJIRO NOGAMI TAKASHI TSUBOI TAKAHIRO TAKIMOTO TSUYOSHI ITO BIRMINGHAM MAST GBR 6:00.26 K INGRAM M MARSHALL A LOWE J TENNANT ARIZ USA 6:32.79 AL WORTH JACK R FRITZ DOUGLAS SPRINGER KENNETH MCKINNEY MOSCOW MASTERS RUS 6:37.23 V.MESHCERYAKOV SERGEY TORLETSKIY NIKOLAY YUDOVICH SERGEY GRIGOREV GOLD USA 6:38.03 CAV CAVANAUGH DAVID R MCINTYRE MICHAEL A DIVELEY BILL DYKSTRA TECHNOSPORT CAN 6:49.35 MIKE OLSEN A. FOUAD KAMAL ROBERT JACK LARRY DURR WCM USA 7:22.87 ED V LANE DENNIS R BLEDSOE FRED BOETTTLER STAN F MORNER FACT USA 10:14.64 LUKE C KUNG JOHN E CORNELL KEN R HICKEY JOHN D CORSE ***** RELAYS: M E N 400 M. MEDLEY ***** AGE 100-119 FEIJENOORD ALBI NED 3:50.38 ENSGER KOTTERINK ROMERO HENNEP TIMO DINKELBERG NOL VAN THULL BIRMINGHAM MAST GBR 3:57.90 L HERBERT M JAMES P WILKES G GILES	EXETER UNIVERSI GBR 4:03.07 N LEVETT M LEWIS J MASSEY I SKLIAROV PRESTON SC GBR 4:03.18 M PEACOCK D HEAPS P SMITH L POOL DIO NED 4:11.41 MATHIJS VD LOGT MARTINO VALENTIJN JAN VAN OPSTAL ARJAN VD PLAAT WH20 USA 4:16.72 CARLO M MORANTE COLIN DUEWEKE NICK M PECK SAM B STRYKER ESCA ZWEMMEN NED 4:17.49 TOM DRIESSEN SANDER DE VRUGHT MIKE SCHEL TIM DE VRUGT KONAMI KAWASAKI JPN 4:17.85 MIKIO YAMAZAKI DAISUKE AKACHI TAKAHIRO SHIMIZU RYOTA GOTO TEAMQUARD JPN 4:20.66 JUNPEI KUNII MIZUKI KUDO TAKESHI HOSHI MASATAKA SHIBUYA TOBIUO CLUB JPN 4:20.91 TEPPEI FUJITA SHOTA YAMANI TAKEHIKO NANAHO YUKI ARIMA AGE 120-159 KIDDLINGTON & GO GBR 3:51.22 J CANLAN-SHAW I SURRAGE R ANSCOMB C AUST BARDI SWIMMING BRA 4:00.32 MARIO CAMALIONTE RODRIGO BARDI JOAO CAMPOS LEANDRO BENICIO 105-ELEMENT RUS 4:03.02 PAVEL OVCHINNIKOV DMITRIY BYCHKOV ALEKSANDR MALNEV ANTON TISCHENKO GRA USA 4:04.24 CASEY POWERS TREVOR J HOYT MARIO L MARSHALL ROBINSON A IBARRA TNYA USA 4:04.81 ANDREW SIDERAS WARREN PERRY THOMAS LUCHSINGER WIN CHESSON EAST LEEDS SC GBR 4:06.41 J BARWICK R AYRE A CRAWFORD J WARREN WH20 USA 4:11.63 C.GIBSON JORDAN HARRIS NICK M PECK NICCOLÒ FROSINI CFC ASAGAYA JPN 4:17.00 HIROYUKI TANAAMI KOTARO WADA KYOHEI SHIIMOTO TATSUNORI HAYASHI
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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

KILKENNY S.C. IRL 4:21.31	G COOPER	B MCSHEA	RELAYS: M E N 800 M. FREE
J.VINAGRE-SENDINO	G ISAACS	N CULLEY	*****
AARON KEOGH	TEDDINGTON SC GBR 4:29.63		AGE 100-119
BRIAN O'DONNELL	R OLTNER	AGE 280-319	TRAFFORD METRO GBR 8:00.06
MICHAEL MCCARTHY	L SMITH	VCM USA 4:59.48	
BRIGHTON DOLPHI GBR 4:21.57	M DEAKIN	STEVEN V HECK	ZAWAMEKINOYORU JPN 8:33.85
S CHALLIS	A HOOPER	HUBIE KERNS	GOSHIMA HITOSHI
K PICKARD	TECHNOSPORT CAN 4:33.28	GLENN A GRUBER	YAMATO KEITARO
J BROWN	C.MCCARTHY	BRUCE W ROLLINS	FUJII RYOSUKE
J POOK	CHRISTIAN PILON	OTTER SC GBR 5:59.32	YAMAOKA SATOSHI
	MICHAEL DOWNING	D MILLER	WH2O USA 8:34.11
AGE 160-199	SCOTT DICK	C DOXAT	JORDAN HARRIS
KENILWORTH MAST GBR 3:54.97	WMAC USA 4:42.74	R LLOYD-MOSTYN	SAM B STRYKER
A KNIGHT	THOMAS M GRISA	P RAE	NICK M PECK
R ROBSON	JAMES S FISCHER	RYOEIKAI JPN 6:02.08	CARLO M MORANTE
J WARDLE	SCOTT J RICHARDS	HIDEYUKI TAKEMASA	HEART OF MIDLOT GBR 8:46.44
N SMITH	ANDREW BABCOCK	HIROSHI AMMO	J MCDONALD
ZPC AMERSFOORT NED 4:08.65	DE ROG NED 4:47.91	KENICHIRO HAMADE	I SUTHERLAND
MARTIJN GIEZEN	ERIK KAMPHUIS	TAKASHI INOUE	A MCCRONE
VINCENT BAKKER	ARJAN VERHEIJ	UTSUNOMIYA MEC JPN 6:15.87	D TAYLOR
ERWIN BUIST	PETER BERNSEN	HARUO KUBO	TOBIUO CLUB JPN 9:10.21
EDWIN VAN NORDEN	WIJNAND VERGEEST	YASUO KONDO	KIMURA SHUNSUKE
H2&PC HERENVEE NED 4:17.78	NOTTINGHAM LEAN GBR 4:50.33	YUICHI FUKASAWA	TAKUMI ARAYA
RENE BEETSMA	C ROBBINS	MITSUBOSHI SUZUKI	KENTO KANNO
DENNIS BOS	J COLVIN	WH2O USA 6:17.38	DAISUKE ENDO
CASPER HUT	M BRETT	PAULO FIGUEIREDO	ESBJERG SVOMMEK DEN 9:56.14
MARTEN DE GROOT	P ABELL	JAY R OLSON	JORDAN ARMSTRONG
BMST JPN 4:22.61	RN KUNITACHI JPN 4:50.63	CHARLES A LARSON	JACOB HOLM
KEIJI HARESAWA	R.MATSUSHITA	BRIAN A MURPHY	S.JOHANNESSEN
YASUHIRO IWABUCHI	DAISUKE FUKUNAGA	TACHIKAWASUIKYO JPN 6:22.06	S.CHRISTIANSEN
T.FUJIWARA	TAKASHI HOSOE	TSUTOMU MIYAUCHI	
KOICHIRO CHIBA	YASUHIRO CHIBA	TOSHIKI TERAOKA	AGE 120-159
BARDI SWIMMING BRA 4:24.08		CHIKARA FUJIWARA	TRAFFORD METRO GBR 7:43.88
H.SCIGLIANO	AGE 240-279	TOSHIO ISHIBASHI	C KNIGHT
FRANCISCO PINTO	CWC MAEBASHI JPN 4:40.67	HIROSHIMA SEIFU JPN 6:31.20	T MILLS
A.FRASCINO	HIROSHI SHIBUYA	AKIO TANAKA	P BARNARD
A.ZUANAZZI	MASAAKI OTSUKI	TSUNEAKI KYOMOTO	D MILLS
IM USA 4:26.05	SHOTARO IMAI	TORU TAGA	KIDLINGTON & GO GBR 8:04.89
TR RAESE	FUMIO SHIGENO	KENZI MORI	C AUST
PATRICK J LAHEY	EIAI CLUB JPN 4:45.68	ARIZ USA 6:38.34	I SURRAGE
JOHN D NEWHOUSE	YOSHIO FURUYA	BILL TON	R ANSCOMB
DICK CLARKE	MASATOSHI ITO	JAMES S SPIEGEL	J CANLAN-SHAW
DE GELENBERG NED 4:26.75	KOICHI WADA	STEVEN R WILLER	DEDEMSVAART-AC NED 8:34.50
ARJAN VAN SWAM	AKIRA IIDA	CRAIG A SHAFFER	ROBERT DEKKER
M.WINSEN	SHARK USA 4:45.69	MANLY MASTERS AUS 6:39.65	ARJAN PRINS
JOHN COBUSSEN	EDWARD H MENCH	GARY STUTSEL	JESPER KLOEK
GEERT WIJN	RICK B WALKER	KEVIN PRICE	PETER DE BOER
OTTER SC GBR 4:27.46	KEVIN M MCCORMACK	ABEL BORNSTEIN	CORK MASTERS IRL 8:35.05
D WARREN	JACK R GROSELLE	LINDSAY BRICE	C.KELLEHER
C MORGAN	BIG WEDNESDAY JPN 4:48.73	ATLANTIS AUS 6:42.75	SEAN REDMOND
A CZYZEWSKI	HIROYUKI YOBIO	LAURANCE BRETT	ROBERT CUSSEN
P DIXON	JUNICHI YAMAZAKI	ALLAN SUSKIN	PAUL LAFFAN
2BFISH JPN 4:31.07	YOSHIHIRO YAMADA	TIM BURFIELD	BRIGHTON DOLPHI GBR 8:35.87
TETSUYA SAKAGUCHI	TOORU YAMAMURA	ROBERT HARRIS	J BROWN
TAKENORI GOTO	GRA USA 4:55.73		S CHALLIS
HIROMASA FURUNE	BRUCE MENELEE	AGE 320-359	P ALLEN
YASUAKI NAKAI	PAT MEANEY	RILA HITACHI JPN 6:53.99	K PICKARD
STEENWIJK 1934 NED 4:34.92	TOM BURKE	TAKAHIRO TAKIMOTO	TNYA USA 8:37.76
CASPER DOLLEKAMP	DAN JENSEN	YAKUJIRO NOGAMI	AUDIE L MCRAE
HUYB STEGEMAN	PSV NED 4:59.76	TSUYOSHI ITO	WARREN PERRY
RICK DRIEZEN	BREND BREVE	TAKASHI TSUBOI	DAVID M DENRICH
LAUREN VIS	RON PHAFF	PINHEIROS A BRA 7:04.74	THOMAS LUCHSINGER
	FRED KETTING	OSMAR SILVA	AQUAMASTERS ESP 8:45.17
AGE 200-239	EVERTJAN MASUREL	WOLF HEINEKEN	MARC LACASA
CWC SHINURAYASU JPN 4:22.89	HEMEL HEMPSTEAD GBR 5:01.53	ALFRED JACOB	J.M-QUINTANILLA
RYOSUKE KUNISAWA	M FOSKETT	NELSON FILHO	PEDRO FARGIER
MAKOTO ONODERA	D PIRRIE	MOSCOW MASTERS RUS 7:27.09	JUANMA TORRALBO
YOSHIMITSU TOGAWA	K MCKENNA	V.MESCHERYAKOV	MATSURI JPN 8:45.67
HARUCHIKA GOHARA	M STRAKOSCH	SERGEY TORLETSKIY	TOMOHIRO KONISHI
DCAC USA 4:25.79	MOVY USA 5:10.23	NIKOLAY YUDOVICH	HISATO IGARASHI
ERIC M GRASHA	RICH VINTON	SERGEY GRIGOREV	SHIMPEI TOYODOME
NEILL WILLIAMS	SIPHIWE K BALEKA	ARIZ USA 8:30.80	TSUYOSHI NAKAO
FREDERICK E DEVER	DAVE N NOBLE	JACK R FRITZ	KILKENNY S.C. IRL 8:47.51
JEROME A FRENTSOS	BILL SHERMAN	KENNETH MCKINNEY	AARON KEOGH
MAD WAVE RUS 4:27.95	TEAM LUTON SWIM GBR 5:14.45	DOUGLAS SPRINGER	BRIAN O'DONNELL
VLADIMIR PREDKIN	G POWELL	AL WORTH	MICHAEL MCCARTHY
PAVEL LEBEDEV	M BARTON	FACT USA 10:41.99	J.VINAGRE-SENDINO
VLADISLAV BRAGIN	D WRIGHT	KEN R HICKEY	TEAMQUARD JPN 8:56.06
GENNADIY SIZIKOV	C MAYES	JOHN D CORSE	TOMOYA OYANAGI
KENT WEALD SWIM GBR 4:28.14	ST ALBANS MASTE GBR 5:14.70	LARRY R WHITE	MASATAKA SHIBUYA
A BURROWS	M SCOTT	JOHN E CORNELL	SHIGEKI NOGUCHI
P BRADLEY	D BEVERIDGE	*****	TAKESHI HOSHI



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

AGE 160-199				ERIC W CZANDER				DAVID QUIGGIN				LORE MUTILOA			
NOTTINGHAM LEAN GBR 7:59.14				JEROME A FRENTSOS				ROGER L PARSONS				PALOMA DOMINGUEZ			
C SHAW				TEAM ANGLIA MAS GBR 9:20.42				SCOTT P MCMILLEN				CARLOS REYERO			
D FLETCHER				A BEVIS				ROBERT A HEACOCK				EAST LEEDS SC GBR 1:46.99			
A MANLEY				R DAVIS				UTSUNOMIYA MEC JPN 11:58.93				R JAGGER			
A THURSTON				P RUSSELL				MITSUTOSHI SUZUKI				J WARREN			
ZEOS IZUMISANO JPN 7:59.35				D BARKER				MASUO SATO				L RECCHIA			
KOJI YAMAMOTO				ROSE USA 9:24.23				YUICHI FUKASAWA				E JONES			
HIROKI TAKADA				ROSS BREITENBACH				HARUO KUBO				VILLEURBANNE NA FRA 1:47.08			
MASANORI TAKEGAWA				JULIO CIENEGA				WH20 USA 12:19.42				A.CORMORECHE			
KEISUKE KUGA				RAY FROST				CHARLES A LARSON				A.MARCHESINI			
EAST LEEDS SC GBR 8:24.56				DAN STEPHENSON				BRIAN A MURPHY				CLARA DELORME			
B SHAW				POWERPOINTS AUS 9:52.11				JAY R OLSON				JULIE LONGEVIAL			
A CARR				TIM BONESS				NEAL T WIENER				ALCOBENDAS ESP 1:47.38			
J BARWICK				GREG HILL				SPL KANI JPN 13:13.63				ANGEL TRISTAN			
R JAGGER				ROBERT BUTCHER				T.MATSUNAMI				LORENA MARTIN			
OTTER SC GBR 8:28.42				PETER WILLIAMSON				SHIGEO OGASAWARA				AIDA DIAZ			
N BARBER				KOGESVOMMEKLUB DEN 10:00.47				H.SHIMOMURA				MARIA GOMEZ			
C MORGAN				MARTIN BACKS				T.TAKESHITA				TROYKA RUS 1:47.66			
P DIXON				MADS BO LARSEN				O*H* USA 13:19.95				ROMAN OSINTSEV			
D WARREN				JACOB OLSEN				EDWARD J BORSUK				SVETLANA SOROKINA			
HZ&PC HEERENVEE NED 8:32.06				PETER CHRISTENSEN				BRUCE C ALLEN				OLGA KHOROSHEVA			
CASPER HUT				AGE 240-279				ROBERT G MCDONALD				VLADISLAV ISHCHUK			
RENE BEETSMA				CWC MAEBASHI JPN 9:23.56				LAWRENCE A TERKEL				AGE 120-159			
MARTEN DE GROOT				SHOTARO IMAI				CITY OF SUNDERL GBR 13:29.21				TSUNAMI RUS 1:37.51			
DENNIS BOS				MASAAKI OTSUKI				G SHUTT				ANDREY KURNOSOV			
DE GELENBERG NED 8:45.42				FUMIO SHIGENO				I WHYTE				A.GETMANENKO			
GEERT WIJN				HIROSHI SHIBUYA				N STEPHENSON				EKATERINA YUDINA			
JOHN COBUSSEN				BIG WEDNESDAY JPN 9:24.24				B ROBINSON				IRINA SHLEMOVA			
R.KRUIJS				HIROYUKI YOBICO				OTTER SC GBR 13:49.42				SEN-SWIM JPN 1:41.21			
M.WINSSSEN				MASAKAZU KANEKO				R LLOYD-MOSTYN				CHIKAHIDE ENDO			
ZPC AMERSFOORT NED 8:50.20				HIROYUKI NAKASHIO				A RAY				TOMOKI TANAKA			
ROB VAN VLIET				TOORU YAMAMURA				J GOODBODY				KANAKO TAYAMA			
RON KORZELIUS				EIAI CLUB JPN 9:26.68				D PARR				MIKA KASHIWAZAKI			
EDWIN VAN NORDEN				AKIRA IIDA				GAJA USA 14:45.29				CLUB DES NAGEUR FRA 1:42.38			
MARTIJN GIEZEN				YOSHIO FURUYA				RUSS CALLEN				M.LETANG			
IM USA 9:04.20				KOICHI WADA				STEVEN K GIORGIS				M.FUZZATI			
PATRICK J LAHEY				K.YOSHIWARA				JOHN V ZEIGLER				ALEXANDRE TANG			
TR RAESE				GRA USA 9:39.76				PETER C WESTAFER				CLEMENT VAUTRIN			
DICK CLARKE				TOM BURKE				MOVY USA 15:48.89				MMAC USA 1:43.08			
JOHN D NEWHOUSE				BRUCE MENEFE				BOB WELCHLIN				ETHAN I FISHER			
ROSE USA 9:05.41				DAN JENSEN				DAVE N NOBLE				KELLY M HARRIGAN			
NICHOLAS BURNETT				PAT MEANEY				MARCO I RECALDE				LINDSEY URBATCHKA			
CHAD A DURIEUX				IM USA 9:44.63				DAVE MURRAY				JACOB STOLL			
DAVID A POPKO				PHIL L DODSON				AGE 320-359				NAUTIC CLUB ALP FRA 1:44.01			
JOSHUA SCHWARTZ				RICHARD RUDERMAN				GOLD USA 14:53.57				KARIM JENHANI			
LBG USA 9:05.54				ANDREAS K SEIBT				CAV CAVANAUGH				ELISABETH PHARR			
BRIAN J KREMERS				KEVIN SCANLAN				BILL DYKSTRA				PAULINE LESBODES			
DEAN ZRUCKY				BRACKNELL & WOK GBR 9:52.25				MICHAEL A DIVELY				KEVIN TONNERRE			
DREW GIACOBE				C EHINGER				DAVID R MCINTYRE				CNS VALLAURIS FRA 1:44.49			
SCOTT A NICHOLS				T WRIGHT				*****				EMMA HUMBERT			
AGE 200-239				M STRAW				RELAYS: MIXED 200 M. FREE				AUDREY LOMBARD			
MTR JPN 8:44.97				D DAVENPORT				*****				JUSTIN JOVIGNOT			
KAZUHIKO YAMAKAWA				WCM USA 10:06.83				AGE 100-119				GUY-NOEL SCHMITT			
HAJIME MORIMOTO				TOM T NOOTBAAR				LADA RUS 1:40.46				SPRUT RUS 1:45.41			
SEIYU KITADA				MICHAEL WILLIAMS				ANDREY TAMBOVSKIY				ANDREY DEGTYAREV			
TAKAHIRO YAMADA				BRYAN D VOLPP				A.KADUKHIN				ALEKSEY SHIBAEV			
SIGMA SWIM DEN 8:49.36				BRAD A GOTHBERG				E.GUNDAEVA				A.SESOROVA			
PETER HOLMSTEEN				OTTER SC GBR 10:35.45				EVGENIYA ZUBANOVA				INGA TSARKOVA			
HENRIK PEDERSEN				L.POZO				BIRMINGHAM MAST GBR 1:44.23				PELICAN CLUB DE FRA 1:45.72			
C.DRACHMANN				S BRAINE				A DAVIDSON				TIPHAIN HAMEL			
CLAUS IVERSEN				P RAE				A LANE				L.PARDON-GARBAY			
IDEAL CLUBE A BRA 8:57.86				S WILLIAMS				J CLARK				EMMANUEL LOEZ			
VLADIMIR RIBEIRO				ST ALBANS MASTE GBR 10:44.91				M JAMES				THIBAUT GILOT			
JOSE NETO				N CULLEY				TOULOUSE OLYMPI FRA 1:44.38				RADUGA RUS 1:45.75			
FREDERICO PINTO				B MCSHEA				P.NARDIN				DENIS MITROFANOV			
ANTONIO ARAGAO				D BEVERIDGE				ALEXIS MEGEMONT				ALEKSEY MIHAYLOV			
KENT WEALD SWIM GBR 8:58.78				M SCOTT				MARION REGNIER				LYUDMILA GRAUR			
G COOPER				SPENCER SWIM TE GBR 10:45.64				COLETTE GELAS				LYUDMILA EGOROVA			
A BURROWS				S BERREY				ESBJERG SVOMMEK DEN 1:44.39				BIRMINGHAM MAST GBR 1:46.15			
P BRADLEY				C BENSON				ANDERS MOLLER				L HERBERT			
G ISAACS				S BAKER				S.JOHANNESSEN				L CRANSHAW			
TEDDINGTON SC GBR 9:00.67				P STEPHENS				KATRINE SORENSEN				K WALKER-STABELER			
M DEAKIN				AGE 280-319				N.CHRISTIANSSEN				P WILKES			
S GRIFFITHS				EIAI CLUB JPN 10:45.63				MONTEVERDE ESP 1:45.22				LILLE UC NATATI FRA 1:46.15			
R OLTNER				YOSHIO FURUYA				JAVIER IZAGUIRRE				ALEXIS GROSSEGEORGE			
L SMITH				KAZUO NAKASHIMA				JAIME MARQUES				CAROLINE DUMUR			
DCAC USA 9:13.51				HARUO MIZUNO				PATRICIA GONZALEZ				GUILLAUME BAYE			
ERIC M GRASHA				AKIRA IIDA				SAMANTA REDONDO				MARGAUX MARONNIER			
FREDERICK E DEVER				PBM USA 11:05.69				CUATRO CAMINO ESP 1:45.97				AGE 160-199			
								PABLO BENAVIDES							



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

PRESTON SC	GBR	1:42.42	J.DELAPORTE	F.MIGNATELLI	BRYAN AXTON
EDGE	JPN	1:44.16	ISABELLE JOSSELIN	PSM USA 2:17.10	TENERIFE MASTER ESP 3:29.64
MASATERU IKEDA			I.DHERBECOURT	RICK COLELLA	INGOLF BOSSERT
KENTARO SUZUKI			F.DEHANDSCHOEWERC	STEVEN B PETERSON	M.RODRIGUEZ
KAORU KOBAYASHI			NCMS USA 1:51.55	CHARLOTTE M DAVIS	AMPARO MARTINEZ
KAYO YOSHIMURA			SCOTT J DALLAMURA	SARAH WELCH	ALVARO TAPIA
PORTSMOUTH NORT	GBR	1:45.46	MARY G DORE	NEVA STARS	*****
M CLAY			HENRY D STEWART	A.KHARCHENKO	RELAYS: MIXED 200 M. MEDLEY
R CLAY			ERIKA L BRAUN	N.BELINSKAYA	*****
G HENRY			TEDDINGTON SC GBR 1:51.59	KIRA MAKAROVA	AGE 100-119
C EDWARDS			G HEYN	OLEG PETKAU	ESBJERG SVOMMEK DEN 1:54.53
DIABLO	JPN	1:45.83	R OLTNER	PSV NED 2:20.02	MARTIN OLESEN
SAKI KOGA			S OLTNER	EVERTJAN MASUREL	C.RASMUSSEN
FUJINO YOSHIKI			A HOOPER	LOTTIE GEURTS	KATRINE SORENSSEN
ASAMI KITAGAWA			AGE 240-279	CORRIE VERHOEVEN	MAI HJELMGAARD
TAKEFUMI KOGA			TABY SIM SWE 1:55.19	HANS WIJSMAN	TOULOUSE OLYMPI FRA 1:54.97
ETOBICOKE OLYMP CAN 1:46.33			CALVIN MAUGHAN	UNAMIRIBEIRAO M BRA 2:22.05	ELODIE SAMOUILHAN
DAVID LANDRY			C.MAGNUSSON	NORIVAL AGNELLI	MARION REGNIER
CINDY BERTELINK			GUNILLA RASMUSON	VERA SILVA	ALEXIS MEGEMONT
CARLY CERMAK			DMITRI KHODKO	CLAUDIA NISHIMIYA	P.NARDIN
PETER MCKINNON			NTXL USA 1:59.52	ANTONIO ORSELLI	CUATRO CAMINO ESP 1:56.34
ZPC AMERSFOORT NED 1:46.71			JAY W LEIGH	SDSM USA 2:22.70	ITXARO BASTIDA
JEROEN ZELSMANN			TOM BARTON	MIKE R FRESHLEY	PALOMA DOMINGUEZ
MARIJE JANSEN			LYNN MORRISON	ANDRA JAUNZEME	CARLOS REYERO
L.BON-ROSENBRAND			STEPHANIE STEWART	FRANK WILLIAMS	PABLO BENAVIDES
ERWIN BUIST			SUNDSVALIS SS SWE 2:00.61	CATHY V NEVILLE	LILLE UC NATATI FRA 1:56.65
YENISEI-MASTERS RUS 1:46.90			PER MATSSON	ATLANTIS AUS 2:22.80	ARMONY DUMUR
IVAN USOV			ROLF TEGBACK	JOY PAGE	ROMAIN DELEPINE
OLESYA BRYKSINA			ANNE MANNELA	ALLAN SUSKIN	ALEXIS GROSGEORGE
M.PCHELNIKOVA			EVA F-BLOMSTER	JUDY THOMAS	CAROLINE DUMUR
ALEKSANDR SPIRIN			POSEIDON RUS 2:00.94	FRANK LINDSAY	MONTEVERDE ESP 1:56.82
SIBMASTERS RUS 1:47.91			PAVEL FILATOV	POSEIDON RUS 2:23.59	JAIME MARQUES
DMITRIY GORBUNOV			L.BEZRUCHENKO	A.BASHMAKOV	PATRICIA GONZALEZ
SERGEY MAKOV			NATALIYA DOLGOVA	V.ULYBYSHEVA	JAVIER IZAGUIRRE
YULIYA FROLOVA			SERGEY KOZLOV	IRINA RYBANINA	SAMANTA REDONDO
MARINA KUKSINA			GOTEBORG SIM SWE 2:01.55	VALERY KARTASHOV	ALCOBENDAS ESP 1:58.60
OKUDA SWIM TEAM BRA 1:48.02			GLEN BENGTSSON	AGE 320-359	LORENA MARTIN
FILIFE FARAON			BO HELISING	ST KANSAI JPN 2:26.62	DANIEL LOPEZ
MAURO SILVA			CAROLINE LINDBORG	FUSAKO HIROOKA	MARIA GOMEZ
SORAIA SCHNEIDER			HELEN SMITH	YOSHIKO OSAKI	AIDA DIAZ
PRISCILA VILLELA			BLACK COUNTRY N GBR 2:01.87	CHITOSHI KONISHI	CN EPINETTES PA FRA 1:59.04
ES NANTERRE FRA 1:48.31			D BRADFORD	Y.FUNAHASHI	CHARLOTTE COMBEAU
FREDERIC TONUS			K TUNNICLIFFE	OREG USA 2:35.65	MELIK ALOUANE
STEPHANE SEIGNEUR			L GOWLAND	WILLARD J LAMB	LAETITIA DUFOUR
BEATRICE BLOUIN			P CARPENTER	DAVID A RADCLIFF	RAPHAEL MENARD
JESSY DINANE			CLAREMONT AUS 2:04.86	JANET GETTLING	BIRMINGHAM MAST GBR 1:59.12
AGE 200-239			GRAHAM CROFT	MARGARET H TOPPEL	R MAN
TOKYO SC JPN 1:49.20			ANNIE KITTO	HAKUYO S JPN 2:47.88	M JAMES
KUMAGAI NAOIKI			BRIGID TAIT	K.MOCHIZUKI	A LANE
KEITA MATSUI			PAUL BLACKBEARD	FUMIKO NAKAMURA	A DAVIDSON
KAZUKO MATSUDAIRA			SHARK USA 2:05.27	SETSUKO SUZUKI	TRIVIA NED 1:59.33
JUNKO NAKANO			JACK R GROSELLE	TOSHIMI INATOMI	HELEEN ARENDS
TABY SIM SWE 1:50.58			NANCY KRYKA	SPATIO JPN 2:55.31	ROY SMEENGE
STEFAN SCHERLING			JULIANNA HOLBROOK	M.SHINAGAWA	WENDAN POELSTRA
ANNICE ABERG			JEFFREY BOATRIGHT	HISAKO KITAYAMA	ERIK SCHRODER
C.UHRLANDER			USM MALAKOFF FRA 2:06.70	SHIZUKO TAKAHASHI	PARIS AQUATIQUE FRA 2:00.90
HARALD KRUGER			ALAIN VANACKER	TADAO KATAMURA	SILOUANE FLAMANT
VICTORIA MASTER CAN 1:50.61			BENEDICTE DUPREZ	SUNWAY YOKOHAMA JPN 2:55.69	JEREMY ROUX
SCOTT COSPER			DANIELE WILMART	IKEDA HIDEO	A.BERCHOUCHI
CINDY MABEE			A.COSTA	SHOKO YONEZAWA	ALEXANDRE FOLLIOT
DOUG HARTFORD			ICHIKAWA AC JPN 2:08.48	HIROMI TODA	AGE 120-159
SARAH MACDONALD			MAYUMI HIRAMOTO	TETSUO NAKAMARU	TSUNAMI RUS 1:51.20
SPRUT RUS 1:50.66			TAKEO HIRAMOTO	PINHEIROS A BRA 3:10.47	PAVEL SEDYUK
IGOR PENCHUKOV			YOSHIE HIRAISHI	WOLF HEINEKEN	ANDREY KURNOSOV
OLGA ZALUKAEVA			Y.WATANABE	KRISTA FULDAUER	IRINA SLEMOVA
ELENA BABIKOVA			AGE 280-319	LILIA ALMEIDA	EKATERINA YUDINA
ALEKSEY TRUSOV			SARASOTA SHARKS USA 2:08.18	OSMAR SILVA	ALEX FITNES RUS 1:53.86
LOUTH DOLPHINS GBR 1:50.71			JACK GROSSELLE	TACHIKAWASUIKYO JPN 3:14.37	SVETLANA BERKOVA
PBM USA 1:50.87			BOB COUCH	TOSHIO ISHIBASHI	VITALIY KIKU
HOLLY GREEN BLAIR			J.HOLBROOKE	TSUTOMU MIYAUCHI	SERGEY BELYAEV
LINDA BOSTIC			JUNE CARSON	CHIYO FUKUSHIMA	A.LISITSINA
MICHAEL AUBREY			SHARK USA 2:08.18	NAOE NOGUCHI	SWIMGYM NED 1:53.87
DANIEL LOTANO			JACK R GROSELLE	FACT USA 3:24.03	TESSA BROUWER
MTR JPN 1:50.96			BOB E COUCH	LUKE C KUNG	ALEKSEY BAYEVSKY
KAZUHIKO YAMAKAWA			JULIANNA HOLBROOK	PATRICIA TULLMAN	ANDREA KNEPPERS
TAMAE YAMAKAWA			JUNE CARSON	MARTHA HENDERSON	SEBAS VAN LITH
SEIYU KITADA			BOULOGNE BILLAN FRA 2:09.93	BILL RODENFELS	EN CAEN FRA 1:55.09
MIKI AIHARA			ABED OUADAH	NOARLUNGA AUS 3:26.19	A.SERRAND-BRIXTEL
DUNKERQUE NATAT FRA 1:51.33			DUNCAN MC CREADIE	ROY DREW	DEVIRIG BOURGUIN
			JUDY WILSON	M. ARMSTRONG	LAETITIA DUBOIS
				WENDY DALLING	QUENTIN MANCEL



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

YENISEI-MASTERS RUS 1:56.18				KENJI NAKAMATSU			SHOKO YONEZAWA		
IVAN ZIMIN		AGE 200-239		SARASOTA SHARKS USA 2:16.59			TETSUO NAKAMARU		
RUSLAN BRATYSHEV		NCMS USA 2:00.21		SYLVIA BUXTON			SADAO TERADA		
E.PLESHKOVA		JONATHAN E KLEIN		RICK WALKER			FUMIKO OOMURA		
OLESYA BRYKSINA		SARA DUNN		ROGER KAHN			POINTE-CLAIRE M CAN 3:19.50		
TOULOUSE OLYMPI FRA 1:56.71		HENRY D STEWART		LAURA GROSELLE			MAE WALDIE		
ELODIE SAMOUILHAN		ERIKA L BRAUN		SHARK USA 2:16.59			JUDY OLIVER		
NEIL KEMP		DINAMO RUS 2:00.71		SYLVIA BUXTON			KEN RANSOM		
ALEXIS MEGEMONT		A.ROMANENKOVA		RICK B WALKER			MARK SHIBATA		
COLETTE GELAS		SERGEY PAKHOMOV		ROGER KAHN			PANJO SC JPN 3:51.46		
BIRMINGHAM MAST GBR 1:56.78		A.MARKOVSKIY		LAURA L GROSELLE			SAYOKO KITAYAMA		
L HERBERT		OLGA FEDOROVA		SUNDSVALLS SS SWE 2:17.30			SHIRO TANABE		
L CRANSHAW		GUILDFORD CITY GBR 2:01.64		ANNE MANNELA			SHIGEYO SUGIHARA		
P WILKES		M WARE		EVA F-BLOMSTER			AKIRA WAKU		
J CLARK		D BRYANT		PER MATSSON			TACHIKAWASUIKYO JPN 3:53.88		
ETOBICOKE OLYMP CAN 1:57.03		M HODGSON		ROLF TEGEBACK			TOSHIO ISHIBASHI		
CAITLIN BERRY		L COGGINS		ICHIKAWA AC JPN 2:17.31			KIYOKO OKANO		
MIRKO PETROV		TABY SIM SWE 2:03.82		TAKEO HIRAMOTO			TSUTOMU MIYAUCHI		
CINDY BERTELINK		C.UHRLANDER		Y.WATANABE			CHIYO FUKUSHIMA		
DAVID LANDRY		STEFAN SCHERLING		YOSHIE HIRAISHI			WHITE WAVE ROCK CAN 3:54.33		
STADE FRANCAIS FRA 1:57.28		HAKAN PERSSON		MAYUMI HIRAMOTO			GAIL EVANS		
TALAL M'RABET		ANNICE ABERG					TONY PEASE		
ISABELLE BATISTA		ZPC AMERSFOORT NED 2:05.42					ARTHUR RAY		
FARHANE GINTER		L.BON-ROSENBRAND		AGE 280-319			BETTY BRUSSEL		
CLEMENCE REAL		EDWIN VAN NORDEN		NEVA STARS RUS 2:28.83			PINHEIROS A BRA 3:56.94		
HZ&PC HEERENVEE NED 1:57.76		ERWIN BUIST		KIRA MAKAROVA			LILIA ALMEIDA		
DANIELLE DE BOER		A.PIJTAK-RADERSMA		A.KHARCHENKO			DETLEF SCHULTZE		
DENNIS BOS		TEDDINGTON SC GBR 2:05.47		IRINA SHANGINA			ALFRED JACOB		
CASPER HUT		R OLTNER		OLEG PETKAU			RENNATE LANGEANI		
E.KLAARBERGEN-KLE		G HEYN		SARASOTA SHARKS USA 2:30.44			WCM USA 4:13.29		
		S OLTNER		BOB COUCH			ANN M HIRSCH		
AGE 160-199		A HOOPER		J.HOLBROOKE			ED V LANE		
MAD WAVE RUS 1:51.25		LEICESTER PENGU GBR 2:05.91		JACK GROSELLE			STAN F MORNER		
A.POVALIY		L ANNE LOCK		JUNE CARSON			SUSAN M COLLINS		
PAVEL LEBEDEV		H BIRD		SHARK USA 2:30.44			SPATIO JPN 4:17.30		
ANNA POLYAKOVA		S ATHERLEY		BOB E COUCH			EIKO UEMURA		
VLADIMIR PREDKIN		J POTTS		JULIANNA HOLBROOK			SHIZUKO TAKAHASHI		
JSS FUKAI JPN 1:53.38		PSV NED 2:06.63		JACK R GROSELLE			KENEI ENDO		
KANA MORIHISA		GUDULE VD MEER		JUNE CARSON			SEIICHI KIMURA		
YUICHI SAKAI		HAROLD MATLA		PSV NED 2:38.89			PVKBR CZE 4:18.78		
YUKI NAKAYAMA		FRED KETTING		EVERTJAN MASUREL			JAROSLAVA JIRKU		
TOMOHIRO NAKANO		LISELOTTE JOLING		INEKE WEEKERS			FRANTISEK POKORNY		
EDGE JPN 1:53.63		GOLD RUSH JPN 2:06.87		BREND BREVE			IRENA BARTOVA		
YURIKO IKEDA		KENTARO NAKAMURA		LOTTIE GEURTS			PAVEL TOSNAR		
RYUTARO MORITA		TOMOMI MIYAZONO		UNAMIRIBEIRAO M BRA 2:39.85			*****		
KENTARO SUZUKI		CHIHITO SAITO		VERA SILVA			RELAYS: MIXED 400 M. FREE		
KAYO YOSHIMURA		NAOAKI FUJITANI		ANTONIO ORSELLI			*****		
DIABLO JPN 1:56.27		SK NEPTUN SWE 2:06.91		CLAUDIA NISHIMIYA			AGE 100-119		
SAKI KOGA		LEILA D-BENLAIB		MARCELO PIVA			LADA RUS 3:43.48		
ASAMI KITAGAWA		HAKAN AGNELL		WMST USA 2:40.05			ANDREY TAMBOVSKIY		
TAKEFUMI KOGA		ANNA LOFTER		GREG J THARP			SERGEY GUNDAEV		
FUJINO YOSHIKI		ANDERS HAGLUND		JOANN LEILICH			E.GUNDAEVA		
ES NANTERRE FRA 1:56.29				CAROLYN BOAK			EVGENIYA ZUBANOVA		
FREDERIC TONUS		AGE 240-279		GARY SCHATZ			BIRMINGHAM MAST GBR 3:52.70		
NICOLAS GRANGER		NOVA USA 2:04.82		SDSM USA 2:45.45			G GILES		
MARION BRAGARD		JAMIE FOWLER		ANDRA JAUNZEME			A LANE		
ANDREA BAUDRY		HENRY VEHOVEC		MIKE R FRESHLEY			K BAKER		
KENILWORTH MAST GBR 1:56.40		KATIE OSBORNE		FRANK WILLIAMS			M JAMES		
J GROVES		VERONICA HIBBEN		CATHY V NEVILLE			AQUAMASTERS ESP 3:53.52		
C WILKINSON		BOULOGNE BILLAN FRA 2:08.09		NAMIHAYA SUIEI JPN 2:45.51			MARIONA TOLRA		
J WARDLE		KARLYN PIPES		KAZUE OZAKI			LAURA PEREZ		
N SMITH		J.MELLADO		KAIZO YAMAMOTO			MARC LACASA		
ROMFORD TOWN SC GBR 1:56.76		LAURENT NEUVILLE		KYOKO SHIMOYAMA			PEDRO FARGIER		
D PALMER		JUDY WILSON		TAKUMI SAKATA			WVZ NED 4:06.19		
D EBANKS		CWC MAEBASHI JPN 2:09.18		ZAVAS SC DELTA JPN 2:45.86			VINCENT LAPOUGE		
M LANE		HIROSHI SHIBUYA		KAORI WATANABE			MANON VAN STRIEN		
M LANE		MASAOKI OTSUKI		HIROSHI MATSUMOTO			MONIQUE PRONK		
CARDIFF MASTERS GBR 1:58.42		SACHIKO SASAKI		NOBUKO SATA			RENS POST		
P GORE		MTSUYO IGARASHI		KIYOSHI HIRAOKA			BENICARLO ESP 4:15.75		
K SABA		GOTEBORG SIM SWE 2:10.74		POSEIDON RUS 2:45.91			PAULA SAURA		
A PRICE		CAROLINE LINDBORG		VIKTOR KORESHKOV			SUSANA DEL OLMO		
J JONES		GLEN CHRISTIANSEN		VIKTOR ESPOV			DAVID MARQUES		
TOULOUSE OLYMPI FRA 1:58.46		HELEN SMITH		OLGA KEDROVA			MIGUEL PINANA		
CHRISTOPHE SARDET		GLEN BENGTSSON		ALFIYA GUBINA			LEIXOES 1 POR 4:21.48		
NEIL KEMP		TABY SIM SWE 2:14.49					PAULO MOREIRA		
COLETTE GELAS		GUNILLA RASMUSON		AGE 320-359			PATRICIA MARQUES		
JULIE DUCROCQ		DMITRI KHODKO		OREG USA 2:57.97			SORAIA RIBEIRO		
SSO4 SWE 1:59.24		CALVIN MAUGHAN		WILLARD J LAMB			DANIEL QUINTA		
MAGNUS KONRADSSON		C.MAGNUSSON		JANET GETTLING			STENWIJK 1934 NED 4:27.83		
ARVID BRUHN		TEAM SOURIN JPN 2:15.24		MARGARET H TOPPEL			JACYNTHA PLAT		
NADJA SALOMONSSON		AKI INADA		DAVID A RADCLIFF			PATRICK WOBEN		
KARIN AXELSSON		HIDEMASA ODA		SUNWAY YOKOHAMA JPN 3:15.79			LONNEKE OENEMA		



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

ROBERT BRAAD BLACKTOWN CITY AUS 4:33.78 MARK McDONALD ALEX HARDY CONNIE GORHAM KURT FORRESTER	L HENLEY C WILSON K WILLS HENLEY BEACH AUS 4:15.82 STEPHEN OSBORNE JOSEPHINE VARNEY KIM WELLINGTON JASON ELLUL	SDSM USA 4:28.84 JASMINE STILES MIKE BOUCHARD FEDERICO SICARD ANDRA JAUNZEME CWC MAEBASHI JPN 4:33.56 MASAAKI OTSUKI HIROSHI SHIBUYA SACHIKO SASAKI MITSUYO IGARASHI	WCM USA 6:00.78 MICHAEL WILLIAMS MICHAEL S PIAZZA STEPHANIE I SCOTT SUSAN M COLLINS
AGE 120-159 SEN-SWIM JPN 3:42.56 CHIKAHIDE ENDO TOMOKI TANAKA KANAKO TAYAMA MIKA KASHIWAZAKI	GSC USA 4:20.04 DAVID D FULLER ERIN P CONDON STACEY L HUBER JIM HARPER	PSV NED 4:39.43 JEANNE PETIT PATTY KRUIARZ BREND BREVE FRED KETTING	PSV NED 6:01.15 GONNIE BAK CARLA HENSEN ROB HANOU JAN NUIJTEN
SWIMGYM NED 3:45.25 TESSA BROUWER ALEKSEY BAYEVSKY ANDREA KNEPPERS SEBAS VAN LITH	CUATRO CAMINOS ESP 4:21.18 BEGONA VAZQUEZ ANTONIO GAYO EMILIO HERRERO LAURA RODRIGUEZ	SHARK USA 4:41.54 JACK R GROSELLE RICK B WALKER LAURA L GROSELLE KAREN L EINSIDLER	POSEIDON RUS 6:01.38 V.ZHITLOVSKIY IRINA RYBANINA ALFIYA GUBINA MAKHAIL ULYBYSHEV
GETXO IGERIKETA ESP 3:51.62 ITZIAR TARDAGUILA LARA VICANDI	SPRUT RUS 4:23.65 INGA TSARKOVA YURIY NENISHIN ELENA BABIKOVA ALEKSEY TRUSOV	TECHNOSPORT CAN 4:50.51 FIONA GRANT KRISTA KLASSEN ROBERT READ ANDY RITCHIE	BRISBANE SOUTH AUS 6:11.25 MICHAEL HILL ELAINE SNG CAROL RYLANCE R. MACKENZIE
DIO NED 3:56.66 A.PLAAT JAN VAN OPSTAL S.LINDEN JOLANDA POST	ETOBICOKE OLYMP CAN 4:27.14 JORDAN RICHARDS DIANA NAKKA KATIE OSBORNE SEAN WARBURTON	ZAVAS SC DELTA JPN 4:57.03 KIYOSHI HIRAOKA MEGUMI YAMADA NOBUKO SATA NAOKI TOMISAWA	AGE 320-359 FACT USA 8:40.80 BILL RODENFELS KEN R HICKEY JOAN K CAMPBELL MARTHA HENDERSON
STEENWIJK 1934 NED 3:56.90 LAUREN VIS NANDA DE VRIES RICK DRIEZEN C.GROENEVELD	AGE 200-239 MTR JPN 4:11.02 SEIYU KITADA MIKI AIHARA TAMAE YAMAKAWA HAJIME MORIMOTO	WS TWENTE NED 4:58.99 HANS WESTERHOF M.KRAAK-BECKERS FRANS VAN ENST MARION BROEKHUIS	FACT USA 9:04.30 JOHN E CORNELL PATRICIA TULLMAN BARBARA A MCNULTY JOHN D CORSE
TEDDINGTON SC GBR 4:06.39 M FLOWER G INNES C FLOWER H LOUGHLIN	ZPC AMERSFOORT NED 4:12.31 JEROEN ZELSMANN A.PIJTAK-RADERSMA L.BON-ROSENBRAND RON KORZELIUS	MIAMI AUS 5:12.11 ROSS BEATON COLETTE SOUTHAM CAROLE SIMPSON ROD TAYLOR	***** RELAYS: MIXED 400 M. MEDLEY *****
PREGEL RUS 4:07.27 A.KUDYUKOV MIHAIL LUTAY REGINA SYCH ELENA DAUTOVA	TEDDINGTON SC GBR 4:13.62 G HEYN R OLTNER S OLTNER A HOOPER	SPENCER SWIM TE GBR 5:17.85 E ISEPPI F BAKER P STEPHENS S BAKER	AGE 100-119 BIRMINGHAM MAST GBR 4:13.55 G GILES M JAMES K BAKER A LANE
VICTORIA MASTER CAN 4:13.28 JOEL ABELLS CHANTAL NGUYEN KATIE MCEVOY DEREK DOERKSEN	POSEYDON RUS 4:14.60 SERGEY KOZLOV IRINA MERZLIKINA OLGA KEDROVA VASILI EFREMOV	DAM USA 5:22.55 STUART L KAHN SALLY K GUTHRIE CURTIS M FINLEY JANE E RUSSELL	ESBJERG SVOMMEK DEN 4:16.69 MARTIN OLESEN S.JOHANNESSEN KATRINE SORENSEN NICOLE MOLLER
ZAWAMEKINOYORU JPN 4:13.36 HIROAKI ONO AYAKA MATSUBARA KAZUKI AIKO CHIHITO NAKAMURA	REAL CANOE N.C. ESP 4:15.61 MA CARMEN NAVARRO MARIA ZUBILLAGA LAURA SANTIDRIAN ANTONIO EGIDO	AGE 280-319 SARASOTA SHARKS USA 4:44.05 JACK GROSSELLE BOB COUCH J.HOLBROOKE JUNE CARSON	ALB USA 4:23.25 PENELOPE YAMAUCHI HUNTER COBLEIGH A.ROSSBACH SOPHIA K YAMAUCHI
CACERES DELFINE ESP 4:13.95 DOLORES MARTINEZ CARLOS LEON IRENE DELGADO LUIS ROSADO	LEICESTER PENGU GBR 4:15.94 S ATHERLEY L ANNE LOCK J PETIT R STOCK	SHARK USA 4:44.05 JACK R GROSELLE BOB E COUCH JULIANNA HOLBROOK JUNE CARSON	DEN 4:33.25 J.PETERSEN C.CHRISTENSEN JEPPE JENSEN LINEA HASAGER
AGE 160-199 OTTER SC GBR 3:57.74 D WARREN H DAVIS G HOBSON P DIXON	DE ROG NED 4:17.24 PETER BERNSEN CHANTAL WINTERS ERIK KAMPHUIS WENDY BRUGMAN	POWERPOINTS AUS 5:45.12 JOHN RICHARDS TREVOR ARMSTRONG ROSA MONTAGUE MELINDA KEMP	CACERES DELFINE ESP 4:51.43 LOURDES POBLADOR DAVID PASCUAL LUIS ROSADO IRENE DELGADO
HZ&PC HEERENVEE NED 3:58.63 CASPER HUT DANIELLE DE BOER E.KLAARBERGEN-KLE MARTEN DE GROOT	CLUB AQUATIQUE CAN 4:20.40 ANDREA SEGUIN JOSEE CHAPPELEINE LUC MORIN MARC SAMSON	TECHNOSPORT CAN 5:52.33 WEISLAWA HADRY BARBARA ARMATYS MIKE HEATH-EVES VICTOR ARMATYS	LEIXOES 1 POR 5:26.90 BRUNO SANTOS PATRICIA MARQUES FERNANDO MOREIRA FILIPA REIS
UNI QLD AUS 3:59.99 BEN O'CONNOR STEFANO ZERBINI EMMA MAXWELL CAROLINE SAXBY	VILA-SWIM FONDI ESP 4:22.75 XAVIER CLEMENTE PASQUAL PITARCH MARIA GUMBAU ISABEL GARCIA	MIAMI AUS 5:59.04 LINDY SALTER MARGARET FITTOCK DAVID SALTER ALAN CARLISLE	CITY OF SUNDERL GBR 5:28.59 M ROBINSON G ORR A TURNBULL I FIFE
CITY OF COVENTR GBR 4:12.04 J SMITH J RAVENHALL S GEILL D GATES	PBM USA 4:24.73 CHRIS WENZEL LINDA BOSTIC MICHAEL AUBREY DANIEL LOTANO	WINSKILL OTTERS CAN 6:00.34 DANIEL BRIMM LIZ SMITH STEVE RASMUSSEN K.PAPADOPOULOS	AGE 120-159 BIRMINGHAM MAST GBR 4:14.24 L HERBERT L CRANSHAW P WILKES
WYCOMBE DISTRIC GBR 4:15.37 J BEARDSWORTH	AGE 240-279		



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

K WALKER-STABELER NOTTINGHAM LEAN GBR 4:28.09 A THURSTON A KONOWALIK A MCGURK A GUILFOYLE CHEL USA 4:29.01 MICHAEL C SABALA KRYSTEN M SCIACCA KASIA M SAWICZ DREW MODROV PREGEL RUS 4:31.11 A.KUDYUKOV MIHAIL LUTAY REGINA SYCH ELENA DAUTOVA WCM USA 4:32.35 LINDSAY GAUDINIER PETER R KLINE LAURA A LAWRENCE LEE D WARD STEENWIJK 1934 NED 4:33.02 ROBERT BRAAD JACYNTHA PLAT C.GROENEVELD MIKE KOELEWIJN HZ&PC HEERENVEE NED 4:36.29 E.KLAARBERGEN-KLE DENNIS BOS REME BEETSMA FRAUKJE PUTS ZAWAMEKINOYORU JPN 4:38.18 HIROAKI ONO AYAKA MATSUBARA KAZUKI AIKO CHIIHIRO NAKAMURA ESBJERG SVOMMEK DEN 4:38.57 ANDERS MOLLER C.RASMUSSEN N.CHRISTIANSEN SUSANNE KIELSHOLM OTTER SC GBR 4:41.07 E WORTHINGTON O SAMY A CZYZEWSKI C URAIN AGE 160-199 JSS FUKAI JPN 4:10.37 KANA MORIHISA YUICHI SAKAI TOMOHIRO NAKANO YUKI NAKAYAMA OTTER SC GBR 4:30.66 D HAYLEY C MORGAN G HOBSON D WARREN SPM USA 4:41.94 KAREN L WESTERMAN JOHN ROCCO AVERSA MARINA FALCONE ERIC C HERMAN SPENCER SWIM TE GBR 4:42.89 D COTTON T SLATER A NEWBURY S MAIDMENT GREAT BRITAIN P GBR 4:43.52 J WILLIAMS C THORN S HEMPENSTALL N GASKIN CRAWLEY SC GBR 4:44.27 G GOODWIN S BURCHELL S DUKE L MICKEL ROCHFORD & DIST GBR 4:45.62 J GRIGG H NEVIN L NORTH	S RIDLER ENNIS S.C. IRL 4:46.49 ADRIAN COSGROVE COLM FITZGERALD NORMA CAHILL SINEAD MORTELL ZVVS NED 4:50.86 NADYA PUTTER HELENA MELS PAUL BRINKMAN B.NOUEWELANT ZWEMLUST-DEN HO NED 4:55.44 ELINE SCHOENMAKER VINCENT VERSTEEG MARK ZWART L.AKKER AGE 200-239 NCMS USA 4:25.52 JONATHAN E KLEIN SARA DUNN HENRY D STEWART ERIKA L BRAUN LEICESTER PENGU GBR 4:40.51 L LOCK H BIRD S ATHERLEY R STOCK EAST LEEDS SC GBR 4:43.57 S ALLEN S EVERS B SHAW K GRAHAM POSEIDON RUS 4:45.70 VASILIY EFREMOV SERGEY KOZLOV IRINA MERZLIKINA OLGA KEDROVA TEDDINGTON SC GBR 4:46.49 H LOGHLIN R OLTNER S OLTNER A HOOPER REAL CANOE N.C. ESP 4:47.69 LAURA SANTIDRIAN RICARDO NADAL JESUS GOMEZ MA CARMEN NAVARRO UNI QLD AUS 4:50.06 MARTIN BANKS CHRISTINA SCOLARO NOLA MACAULAY BRETT WOODS SIGMA SWIM DEN 4:51.38 CECILIA MAUNSBACH HENRIK PEDERSEN MADS GJERLOV TILDE JUUL HIRAKATA SS JPN 4:53.51 KEIKO UTSUMI K.ISHIMURA YUKO NAKANISHI TAKESHI YAMAKAWA SPARTAK VORONEZ RUS 4:57.35 YURII PERIN VLADIMIR SEMENOV NATALIA LESOVAIA S.ISLAMGALEEVA AGE 240-279 CWC MAEBASHI JPN 5:10.60 HIROSHI SHIBUYA MASAAKI OTSUKI SACHIKO SASAKI MITSUYO IGARASHI MID SUSSEX MARL GBR 5:18.63 K BIDNALL J MCKERCHAR M SALWAY A BURGESS SPENCER SWIM TE GBR 5:18.84 A CHRISTENSEN	A HEATH C BENSON F BAKER SHARK USA 5:21.81 ANN H GUINS CASEY M KEIBER KEVIN M MCCORMACK JACK R GROSELLE NORTH SYDNEY AUS 5:34.02 SIMONE SALIER JOHN KAIN JOHN DE VRIES HELEN WHITE TECHNOSPORT CAN 5:49.57 MARK ROBSON ANDY RITCHIE JANICE MCGUINNESS KRISTA KLASSEN RHMS USA 6:01.38 ERIC D VAN BOER JENNIFER HOUTS GREG LAUDENSLAGER LINDA HEPWORTH GAJA USA 6:02.62 RANDY RUSSELL ELAINE KRUGMAN TED W HAMMOND JAN JOHNSTON SHARK USA 6:05.93 NANCY KRYKA MARTHA SAMUELSON ALLEN F HILLMAN BRIAN D SAYLOR WH2O USA 6:15.03 ERROL GRAHAM JESSICA W SEATON CHARLES W MYERS OLIVIA KARLIN AGE 280-319 SARASOTA SHARKS USA 5:44.09 BOB COUCH J.HOLBROOKE JACK GROSELLE JUNE CARSON SHARK USA 5:44.09 BOB E COUCH JULIANNA HOLBROOK JACK R GROSELLE JUNE CARSON OREG USA 6:07.06 JOY WARD BOB A BRUCE CLIFF C STEPHENS JANET GETTLING NAMIHAYA SUIEI JPN 6:07.57 KAZUE OZAKI KAIZO YAMAMOTO KYOKO SHIMOYAMA TAKUMI SAKATA SDSM USA 6:08.27 CATHY V NEVILLE MIKE R FRESHLEY ANDRA JAUNZEME FRANK WILLIAMS TECHNOSPORT CAN 6:37.97 BARBARA ARMATYS FIONA GRANT VICTOR ARMATYS MIKE HEATH-EVES PSV NED 6:51.17 CARLA HENSEN GONNIE BAK ROB HANOU JAN NUIJTEN WINSKILL OTTERS CAN 7:00.74 LIZ SMITH DANIEL BRIMM STEVE RASMUSSEN K.PAPADOPOULOS TECHNOSPORT CAN 7:34.19 C.CHAPMAN	WEISLAWA HADRYIS ROBERT JACK LORNE MCDUGALL WARRINGAH AUS 7:36.64 VIOLET WILKINSON NICOLA PERVAN MILTON O'DELL JOHN PAGDEN ***** RELAYS: MIXED 800 M. FREE ***** AGE 100-119 EAST LEEDS SC GBR 8:41.07 J WARREN E JONES L RECCHIA R JAGGER NAC MASTERS IRL 10:07.05 DANNY ROE ROMY MADDEN ROISIN CONLON OWEN FLETCHER AGE 120-159 SEN-SWIM JPN 8:19.06 KANAKO TAYAMA MIKA KASHIWAZAKI TOMOKI TANAKA CHIKAHIDE ENDO TERR USA 8:35.33 COURTNEY RANDOLPH MOLLIE K GROVER BRETT C LAPLANTE BLAKE A HOLDEN DCAC USA 8:46.10 AMR E EL-SAYED KATIE STEFFL MEREDITH A STAKEM BRENT S SMITH UNI QLD AUS 9:06.94 EMMA MAXWELL ELISE KHO BEN O'CONNOR STEFANO ZERBINI CNSW BEL 9:17.12 NATHALIE BLONDEEL MARCO USULA MARION REGNIER MESUT HALICIOGLU PRES USA 9:19.20 TIM R WATTS NICOLE A TAHERI JUSTIN COPP KHADIJA ZANOTTO OTTER SC GBR 9:23.07 E CAMBIER J SANDRIN GAUER S JANE LAW N BARBER MANCHESTER TRIA GBR 9:31.06 RACKLEY AUS 9:41.64 ANNEKE RAY GEORGINA KEILY CHRISTOPHER MASON DANIEL MARSHALL KONAMI MUSASHIU JPN 10:05.51 HIROMI OCHI WAKANA YAJIMA TOSHIKI SAKAI SHUSUKE SATO AGE 160-199 OREG USA 8:56.38 ALEXIS L HIGLETT SARA SHEPHERD KURT GROTE MATT MILLER OTTER SC GBR 8:58.94 C MORGAN C VRRAIN H DAVIS
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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 2019

D WARREN EAST LEEDS SC GBR 9:07.53 K GRAHAM A CARR S EVERS B SHAW CVMM USA 9:08.71 BECKY CLEAVENGER DOUG J KOEHLER EVE G MAIDENBERG ANDREW B BARMANN ITOMAN YAMATOKO JPN 9:24.89 KEISUKE KUMAMOTO AKI TATSUMI YOSHINORI NAKATA MAKOTO SHIGEMURA AER LINGUS IRL 9:33.04 CHARLOTTE REID DEIRDRE MORRIS J.KRUSZYNA-KOTULS EOIN FOSTER GSC USA 9:40.40 DAVID D FULLER ERIN P CONDON STACEY L HUBER JIM HARPER TEAM SASUKE JPN 9:41.17 FUMIAKI MINAMIURA YOSHIMI INAFUKU MASAMI KAJITA SYUN MIYAMOTO FREM USA 9:55.93 KEITH EARLEY JONNY MILLS DANA J KIRK SAMANTHA NORIEGA PATRICK-DE ROER NED 9:57.82 PASCALLE JANSSEN MARTINE DE HAART JEROEN MEULENERS ARNO SCHRAUWEN AGE 200-239 PBM USA 9:15.92 HOLLY GREEN BLAIR LINDA BOSTIC MICHAEL AUBREY DANIEL LOTANO TEDDINGTON SC GBR 9:23.12 G HEYN S GRIFFITHS S OLTNER R OLTNER POSEYDON RUS 9:44.65 IRINA MERZLIKINA OLGA KEDROVA SERGEY KOZLOV VASILI EFREMOV LVM USA 9:50.94 DALE W WEBSTER J.SAUL-ZACHAU KARIN M WEGNER DAN WEGNER BRACKNELL & WOK GBR 9:51.17 C EHINGER K LEFTLEY L COOKE S MELLOR DE ROG NED 9:54.80 WENDY BRUGMAN ESTHER VERGEEST ERIK KAMPHUIS PETER BERNSEN SPENCER SWIM TE GBR 9:55.65 A LODGE E ISEPPI C BENSON O GELEOC EXE MASTERS SWI GBR 10:05.48 J MCGREGOR-HARPER G CRIDLAND A PARHAM	D BEER WS TWENTE NED 10:06.97 HANS WESTERHOF M.KRAAK-BECKERS MARION BROEKHUIS MARCEL REEFHUIS SPARTAK VORONEZ RUS 10:08.77 YURII PERIN S.ISLAMGALIEVA VLADIMIR SEMENOV NATALIA LESOVAIA AGE 240-279 SHARK USA 9:31.20 JACK R GROSELLE RICK B WALKER KAREN L EINSIDLER REBECCA A ATEN RYOGOKU KINGYO JPN 10:25.81 TERUHISA SHIMIZU SATOMI FUKAYA JUNKO SATO HIROKAZU HATANAKA CAMP HILL EDWAR GBR 10:32.48 P TAINTY A BOURNE J SEYMOUR S NASH WCM USA 10:37.39 LISA A WARD LOREN DRUZ CHARLENE O'BRIEN PETER M GUADAGNI SHARK USA 10:53.89 TOM J WEIGAND BRIDGET KELLER NANCY KRYKA RICHARD M WHALEY BRACKNELL & WOK GBR 10:57.00 T WRIGHT C MOORE C MADDEN D DAVENPORT DAM USA 10:58.78 MARY J KAHN SALLY K GUTHRIE STUART L KAHN DAVID L WOODRUFF PSV NED 11:25.00 ROB HANOU CARLA HENSEN JEANNE PETIT HAROLD MATLA SPENCER SWIM TE GBR 11:29.59 G HODGSON F BAKER P STEPHENS S BAKER MOVY USA 12:14.79 BILL SHERMAN DAVID A ORWICK N.STEPHENSON PATRICE HAYNES AGE 280-319 SHARK USA 10:45.17 JUNE CARSON JACK R GROSELLE BOB E COUCH JULIANNA HOLBROOK MIAMI AUS 12:43.24 DAVID BOYLSON LINDY SALTER DENISE ROBERTSON MARK JORDAN PBM USA 13:04.07 DAVID QUIGGIN JEANNIE MITCHELL JOAN P CRAFFEY ALEX FISHER MINN USA 14:02.39 MARC S ANDERSON	BABS H LARSEN SHANNON W SWARTZ ROBIN T KLEFFMAN ROSE USA 16:01.30 PETER E RONAY WILLIAM FLEMING LIN HUANG LYNDA K LEOPOLD SHARK USA 17:18.63 RICHARD M WHALEY CAROL MITCHELL JAN H MILLER JACK MITCHELL MICH USA 17:34.71 DONALD J KROEGER MARTHA L AMIS PEGGY A BRUIN WILLIAM L PORTER SCHH USA 17:38.42 JOANNE F STEWART PETE GORDON ANN TULLIE RICK MCFADDEN AGE 320-359 FACT USA 20:44.85 JOHN E CORNELL PATRICIA TULLMAN KEN R HICKEY MARTHA HENDERSON
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