FINA WORLD MASTERS RECORDS - SHORT COURSE METERS AS OF OCT 31, 2020

**********	MEN	**********	25-29	********** W O M E N **********					
21.37	11/15/2014	USA	Cesar CIELO	50	M.	FREE	M.LETANG	FRA	02/27/2020	25.00
47.43	11/16/2014	USA	Cesar CIELO	100	M.	FREE	Yayoi MATSUMOTO	JPN	11/16/2019	54.44
1:44.90	11/03/2013	USA	Darian TOWNSEND	200	M.	FREE	L.IBANEZ LOPEZ	USA	12/03/2017	1:59.39
3:52.83	12/09/2018	USA	Drew MODROV	400	M.	FREE	Sophie CASSON	GBR	10/27/2013	4:15.74
8:07.91	04/12/2001	BRA	A.ANGELOTTI	800	M.	FREE	Sheila TAORMINA	USA	03/31/1996	8:51.18
15:29.68	10/24/2003	GBR	Greg ORPHANIDES	1500	M.	FREE	Sheila TAORMINA	USA	03/31/1996	16:36.07
24.26	11/17/2019	JPN	Shoya TAKESHITA	50	M.	BACK	Yurie OGA	JPN	06/14/2015	27.88
52.99	12/03/2016	USA	Tony COX	100	M.	BACK	Yurie OGA	JPN	05/10/2015	1:00.63
1:56.22	12/16/2006	GER	Stefan HERBST	200	M.	BACK	Kana OHASHI	JPN	11/20/2005	2:12.84
26.99	10/29/2017	GBR	Lawrence PALMER	50	M.	BRST	Petra CHOCOVA	CZE	06/08/2014	30.50
58.96	03/18/2018	JPN	Yuki KANAYA	100	M.	BRST	Petra CHOCOVA	CZE	06/07/2014	1:06.83
2:07.55	10/14/2018	USA	Josh PRENOT	200	M.	BRST	Megan JENDRICK	USA	04/14/2012	2:29.80
23.33	05/05/2017	JPN	Ryo ISHII	50	M.	FLY	Elinore DE JONG	NED	01/19/2018	26.14
52.42	09/23/2018	JPN	Yasuhiro WADA	100	M.	FLY	Claire DONAHUE	USA	12/12/2015	58.11
1:55.36	11/16/2019	JPN	Ko FUKAYA	200	M.	FLY	Yuko NAKANISHI	JPN	05/08/2010	2:09.64
53.47	11/03/2013	USA	Darian TOWNSEND	100	M.	I.M.	Masako KUROKI	JPN	01/26/2019	1:01.79
1:58.91	10/04/2020	JPN	Ken KUWAYAMA	200	M.	I.M.	Hitomi MATSUDA	JPN	04/23/2006	2:17.17
4:14.51	11/15/2009	JPN	Ikumi HASEGAWA	400	M.	I.M.	K.BARANOWSKA	GER	09/27/2015	4:44.98
**********	MEN	**********	30-34	********** W O M E N **********					
21.59	11/28/2015	RUS	Evgeniy LAGUNOV	50	M.	FREE	S.KNIAGININA	RUS	11/29/2014	25.17
47.29	11/27/2015	RUS	Evgeniy LAGUNOV	100	M.	FREE	Erika ERNDL	USA	10/13/2012	54.75
1:46.12	09/27/2014	USA	Darian TOWNSEND	200	M.	FREE	Veronica BALSANO	BRA	11/14/2018	2:00.73
3:51.97	11/29/2014	RUS	Yury UFIMTSEV	400	M.	FREE	Sophie CASSON	GBR	10/28/2017	4:14.56
8:13.62	04/07/2019	ITA	Matteo MONTANARI	800	M.	FREE	Dawn HECKMAN	USA	12/04/2011	8:38.58
15:30.92	01/26/2019	USA	Chad LA TOURETTE	1500	M.	FREE	Dawn HECKMAN	USA	12/02/2011	16:26.93
23.86	05/07/2017	BRA	Nelson SILVA Jr.	50	M.	BACK	Mai NAKAMURA	JPN	04/19/2009	27.43
52.68	10/24/2009	USA	Derya BUYUKUNCU	100	M.	BACK	Kana YAMAGUCHI	JPN	03/07/2010	1:00.90
1:55.46	11/01/2009	USA	Derya BUYUKUNCU	200	M.	BACK	Kana YAMAGUCHI	JPN	04/21/2012	2:11.86
26.72	05/05/2018	BRA	Felipe LIMA	50	M.	BRST	Nicole HEIDEMANN	GER	11/29/2015	31.35
59.11	11/16/2019	JPN	Ryo KOBAYASHI	100	M.	BRST	Hitomi MATSUDA	JPN	04/17/2010	1:06.98
2:11.58	11/17/2019	JPN	Ryo KOBAYASHI	200	M.	BRST	Hitomi MATSUDA	JPN	04/18/2009	2:26.96
22.87	05/16/2009	GER	Thomas RUPPRATH	50	M.	FLY	Yuka KATO	JPN	01/10/2016	27.08
52.44	11/12/2016	USA	Darian TOWNSEND	100	M.	FLY	Anna POLIAKOVA	RUS	11/20/2016	59.82
1:53.56	11/25/2017	RUS	Nikolay SKVORTSOV	200	M.	FLY	Hitomi MATSUDA	JPN	05/25/2008	2:13.09
53.28	11/13/2016	USA	Darian TOWNSEND	100	M.	I.M.	Erika ERNDL	USA	10/13/2012	1:02.52
1:56.96	11/13/2016	USA	Darian TOWNSEND	200	M.	I.M.	Hitomi MATSUDA	JPN	11/14/2009	2:13.41
4:16.06	11/12/2016	USA	Darian TOWNSEND	400	M.	I.M.	Hitomi MATSUDA	JPN	04/17/2010	4:45.07
**********	MEN	**********	35-39	********** W O M E N **********					
21.53	10/27/2007	GBR	Mark FOSTER	50	M.	FREE	Dara TORRES	USA	12/03/2006	25.10
47.70	11/18/2018	USA	Roland SCHOEMAN	100	M.	FREE	Dara TORRES	USA	12/03/2006	54.95
1:51.31	12/14/2003	USA	Erik HOCHSTEIN	200	M.	FREE	Hitomi MATSUDA	JPN	03/25/2012	2:03.12
3:57.77	12/14/2003	USA	Erik HOCHSTEIN	400	M.	FREE	K.PIPES-NEILSEN	USA	12/12/1999	4:22.56
8:16.19	12/06/2009	USA	Alex KOSTICH	800	M.	FREE	Kirsten CAMERON	NZL	10/08/2010	8:57.28
15:56.57	12/04/2009	USA	Alex KOSTICH	1500	M.	FREE	Heidi GEORGE	USA	09/27/2015	16:52.94
25.30	12/14/2019	BRA	Rodrigo TRIVINO	50	M.	BACK	Noriko INADA	USA	11/13/2016	27.63
54.66	10/26/2019	USA	Darian TOWNSEND	100	M.	BACK	Noriko INADA	USA	11/19/2017	1:00.43
2:00.34	12/08/2002	USA	Ron KARNAUGH	200	M.	BACK	Kana OHASHI	JPN	11/16/2013	2:13.37
26.66	11/17/2018	USA	Roland SCHOEMAN	50	M.	BRST	Nicole HEIDEMANN	GER	11/10/2018	31.66
1:00.61	11/19/2016	RUS	Sergey GEYBEL	100	M.	BRST	Nicole HEIDEMANN	GER	11/10/2018	1:09.07
2:15.42	03/16/2014	JPN	Kazuya KOIKE	200	M.	BRST	Hitomi MATSUDA	JPN	03/10/2012	2:30.63
23.12	11/18/2018	USA	Roland SCHOEMAN	50	M.	FLY	Noriko INADA	USA	11/01/2015	27.45
52.78	01/18/2020	JPN	Takuya HASEGAWA	100	M.	FLY	Hitomi MATSUDA	JPN	05/04/2014	1:01.88
2:02.98	11/15/2014	USA	Brent CREAGER	200	M.	FLY	Hitomi MATSUDA	JPN	08/25/2012	2:16.67
54.91	10/27/2019	USA	Darian TOWNSEND	100	M.	I.M.	Hitomi MATSUDA	JPN	03/10/2012	1:03.17
1:59.85	10/27/2019	USA	Darian TOWNSEND	200	M.	I.M.	Hitomi MATSUDA	JPN	11/18/2012	2:17.69
4:19.79	10/26/2019	USA	Darian TOWNSEND	400	M.	I.M.	K.PIPES-NEILSEN	USA	12/14/1997	4:52.85
**********	MEN	**********	40-44	********** W O M E N **********					
22.75	05/08/2016	JPN	Hideaki HARA	50	M.	FREE	Erika BRAUN	USA	12/14/2014	26.02
49.64	06/04/2017	JPN	Hideaki HARA	100	M.	FREE	Erika BRAUN	USA	12/14/2014	57.08
1:50.08	12/06/2008	USA	Michael ROSS	200	M.	FREE	K.PIPES-NEILSEN	USA	12/14/2003	2:05.26
4:00.67	11/07/2004	GER	Kai DITZEL	400	M.	FREE	K.PIPES-NEILSEN	USA	12/14/2003	4:21.75
8:15.69	02/25/2017	ITA	Samuele PAMPANA	800	M.	FREE	Kirsten CAMERON	GBR	01/24/2016	8:55.34
15:51.60	02/21/2016	ITA	Samuele PAMPANA	1500	M.	FREE	Heidi GEORGE	USA	12/01/2017	16:50.92
25.53	12/12/2009	USA	Michael ROSS	50	M.	BACK	R.Johanna LUOTO	FIN	01/14/2017	28.86
54.85	12/07/2008	USA	Michael ROSS	100	M.	BACK	Raakel LUOTO	FIN	03/24/2018	1:03.22
2:03.84	12/14/2008	USA	Michael ROSS	200	M.	BACK	Kana MORIHISA	JPN	05/27/2018	2:17.28
28.06	05/12/2019	JPN	Ryosuke IMAI	50	M.	BRST	Katie GLENN	USA	12/02/2018	32.16
1:01.42	12/06/2014	USA	Steve WEST	100	M.	BRST	Cynthia LEWIS	USA	12/05/2015	1:09.95
2:13.72	12/07/2014	USA	Steve WEST	200	M.	BRST	S.VON DER LIPPE	USA	11/16/2008	2:32.37
24.14	03/16/2014	SWE	Lars FROLANDER	50	M.	FLY	Erika BRAUN	USA	03/16/2013	28.19
53.81	03/15/2014	SWE	Lars FROLANDER	100	M.	FLY	S.VON DER LIPPE	USA	11/21/2009	1:01.70

2:02.97	10/11/1998	USA	William SPECHT	200	M.	FLY	S.VON DER LIPPE	USA	11/19/2006	2:20.66
56.91	06/02/2019	JPN	Takashi NISHIYAMA	100	M.	I.M.	Lisa BLACKBURN	USA	10/10/2015	1:04.19
2:05.46	12/04/2009	USA	Roque SANTOS	200	M.	I.M.	S.VON DER LIPPE	USA	12/02/2007	2:19.21
4:30.68	10/10/2014	USA	Eric CHRISTENSEN	400	M.	I.M.	K.PIPES-NEILSEN	USA	11/24/2002	5:00.82
**********	MEN	**********		45-49	********** W O M E N **********					
22.85	06/02/2019	JPN	Hideaki HARA	50	M.	FREE	Erika BRAUN	USA	10/13/2018	26.29
49.99	06/02/2019	JPN	Hideaki HARA	100	M.	FREE	Erika BRAUN	USA	12/09/2018	57.89
1:52.87	03/09/2012	FRA	Nicolas GRANGER	200	M.	FREE	K.PIPES-NEILSEN	USA	12/02/2007	2:05.94
4:03.10	04/18/2015	ITA	Fabio CALMASINI	400	M.	FREE	K.PIPES-NEILSEN	USA	05/16/2009	4:25.34
8:24.75	03/29/2015	ITA	Fabio CALMASINI	800	M.	FREE	Kirsten CAMERON	AUS	01/23/2020	9:10.26
16:13.34	02/15/2015	ITA	Fabio CALMASINI	1500	M.	FREE	Alison ZAMANIAN	USA	01/24/2015	17:22.01
26.44	11/15/2018	ARG	Luis LAERA	50	M.	BACK	R.Johanna LUOTO	FIN	01/11/2020	29.52
57.00	12/13/2009	USA	Chris STEVENSON	100	M.	BACK	K.PIPES-NEILSEN	FRA	02/27/2009	1:04.46
2:05.54	12/12/2009	USA	Chris STEVENSON	200	M.	BACK	K.PIPES-NEILSEN	FRA	02/26/2009	2:18.15
28.65	10/26/2019	USA	Jeff COMMINGS	50	M.	BRST	Linley FRAME	AUS	07/16/2017	33.01
1:02.22	11/17/2018	USA	Steve WEST	100	M.	BRST	Linley FRAME	AUS	07/16/2017	1:10.63
2:15.45	11/30/2018	USA	Steve WEST	200	M.	BRST	S.VON DER LIPPE	USA	11/21/2010	2:38.00
24.38	03/19/2017	JPN	Eiji NOMURA	50	M.	FLY	Yuriko IKEDA	JPN	10/15/2017	28.53
55.07	03/18/2018	JPN	Eiji NOMURA	100	M.	FLY	S.VON DER LIPPE	USA	11/20/2010	1:03.47
2:05.00	01/19/2020	JPN	Eiji NOMURA	200	M.	FLY	K.PIPES-NEILSEN	USA	12/13/2009	2:23.18
57.68	03/09/2012	FRA	Nicolas GRANGER	100	M.	I.M.	K.PIPES-NEILSEN	FRA	02/26/2009	1:05.61
2:04.64	03/08/2012	FRA	Nicolas GRANGER	200	M.	I.M.	K.PIPES-NEILSEN	USA	05/17/2009	2:21.55
4:31.36	04/07/2012	FRA	Nicolas GRANGER	400	M.	I.M.	K.PIPES-NEILSEN	FRA	02/27/2009	5:00.29
**********	MEN	**********		50-54	********** W O M E N **********					
23.38	10/18/2009	USA	Rowdy GAINES	50	M.	FREE	M.Therese FUZZATI	FRA	03/27/2015	26.27
51.49	03/26/2017	FRA	Nicolas GRANGER	100	M.	FREE	M.Therese FUZZATI	FRA	01/25/2015	58.60
1:54.61	10/14/2011	USA	Ambrose GAINES	200	M.	FREE	S.HEIM-BOWEN	USA	12/06/2009	2:10.72
4:04.48	01/29/2017	FRA	Nicholas GRANGER	400	M.	FREE	Lynn MARSHALL	CAN	01/29/2011	4:34.81
8:33.74	11/17/2018	ITA	Fabio CALMASINI	800	M.	FREE	Lynn MARSHALL	CAN	01/09/2011	9:23.45
16:23.36	02/22/2020	ITA	Fabio CALMASINI	1500	M.	FREE	Lynn MARSHALL	CAN	03/02/2013	17:49.23
26.69	10/24/2015	USA	Fritz BEDFORD	50	M.	BACK	Leslie LIVINGSTON	USA	12/13/2015	30.27
57.95	03/25/2017	FRA	Nicolas GRANGER	100	M.	BACK	Ellen REYMOLDS	USA	03/08/2014	1:05.89
2:07.13	05/06/2017	FRA	Nicolas GRANGER	200	M.	BACK	Ellen REYNOLDS	USA	03/08/2014	2:22.37
29.71	04/09/2017	ITA	C.Arturo TRAVAINI	50	M.	BRST	Monica CORO	ITA	11/24/2012	33.96
1:04.28	05/06/2017	FRA	Nicolas GRANGER	100	M.	BRST	Ute HASSE	ESP	03/21/2015	1:15.02
2:19.36	03/23/2018	FRA	Nicolas GRANGER	200	M.	BRST	Marzena KULIS	ITA	03/26/2017	2:46.24
25.49	05/16/2009	CAN	Dan THOMPSON	50	M.	FLY	Leslie LIVINGSTON	USA	03/16/2013	29.25
56.78	03/24/2018	FRA	Nicolas GRANGER	100	M.	FLY	Daniela DE PONTI	ITA	04/03/2016	1:06.88
2:09.19	03/25/2018	FRA	Nicolas GRANGER	200	M.	FLY	Lynn MARSHALL	CAN	05/08/2011	2:28.08
57.69	03/24/2017	FRA	Nicolas GRANGER	100	M.	I.M.	Anette PHILIPSSON	SWE	11/07/2015	1:07.85
2:06.38	01/28/2018	FRA	Nicolas GRANGER	200	M.	I.M.	Ellen REYNOLDS	USA	11/17/2018	2:27.39
4:29.33	03/23/2017	FRA	Nicolas GRANGER	400	M.	I.M.	Ellen REYNOLDS	USA	09/26/2014	5:10.96
**********	MEN	**********		55-59	********** W O M E N **********					
24.37	03/23/2019	SWE	Calvin MAUGHAN	50	M.	FREE	Hayley BETTINSON	GBR	10/28/2018	27.80
54.32	03/23/2019	SWE	Calvin MAUGHAN	100	M.	FREE	Karlyn PIPES	USA	01/20/2017	1:00.61
1:59.08	11/21/2009	USA	Michael MANN	200	M.	FREE	Lynn MARSHALL	CAN	02/28/2016	2:13.58
4:16.03	11/22/2009	USA	Michael MANN	400	M.	FREE	Lynn MARSHALL	CAN	01/23/2016	4:37.35
8:51.34	11/21/2009	USA	Michael MANN	800	M.	FREE	Lynn MARSHALL	CAN	04/23/2017	9:32.63
17:14.15	10/02/2005	USA	Jim MCCONICA	1500	M.	FREE	Lynn MARSHALL	CAN	04/23/2017	18:01.79
27.86	12/09/2018	USA	Fritz BEDFORD	50	M.	BACK	Leslie LIVINGSTON	USA	03/05/2016	30.12
1:00.78	10/20/2018	USA	Fritz BEDFORD	100	M.	BACK	Ellen REYNOLDS	USA	12/07/2019	1:07.17
2:15.37	12/02/2018	USA	Len GUSHE	200	M.	BACK	Ellen REYNOLDS	USA	12/08/2019	2:25.27
29.22	02/09/2020	ITA	C.Arturo TRAVAINI	50	M.	BRST	Monica CORO	ITA	04/09/2017	35.15
1:04.26	02/16/2019	ITA	C.Arturo TRAVAINI	100	M.	BRST	Marzena KULIS	ITA	01/26/2019	1:17.36
2:22.91	04/21/2018	ITA	C.Arturo TRAVAINI	200	M.	BRST	Marzena KULIS	ITA	01/27/2019	2:46.91
26.45	05/18/2013	CAN	Dan THOMPSON	50	M.	FLY	Leslie LIVINGSTON	USA	03/05/2016	29.39
59.80	04/01/2013	CAN	Dan THOMPSON	100	M.	FLY	Karlyn PIPES	USA	01/21/2017	1:08.15
2:15.97	01/26/2013	NED	Hugo BREGMAN	200	M.	FLY	Laura VAL	USA	09/14/2008	2:31.13
1:01.31	04/14/2019	ITA	C.Arturo TRAVAINI	100	M.	I.M.	Karlyn PIPES	USA	01/21/2017	1:09.08
2:14.60	02/29/2020	USA	Jerome FRENTSOS	200	M.	I.M.	Ellen REYNOLDS	USA	1/24/2019	2:27.78
4:51.97	11/21/2009	USA	Michael MANN	400	M.	I.M.	Ellen REYNOLDS	USA	11/24/2019	5:15.72
**********	MEN	**********		60-64	********** W O M E N **********					
24.90	12/03/2006	USA	Rich ABRAHAMS	50	M.	FREE	Jenny WHITELEY	AUS	05/26/2018	28.50
55.87	05/17/2014	USA	Jack GROSELLE	100	M.	FREE	Jenny WHITELEY	AUS	10/13/2018	1:02.60
2:01.65	11/21/2015	USA	Rick COLELLA	200	M.	FREE	Jenny WHITELEY	AUS	10/13/2018	2:15.93
4:29.92	12/02/2017	USA	Dan STEPHENSON	400	M.	FREE	Laura VAL	USA	08/24/2013	4:53.24
9:14.50	12/02/2018	USA	Andrew BRAY	800	M.	FREE	Laura VAL	USA	01/15/2011	10:21.68
17:53.29	11/30/2018	USA	Andrew BRAY	1500	M.	FREE	S.HEIM-BOWEN	USA	01/18/2020	19:35.32
29.44	12/07/2019	USA	Jamie FOWLER	50	M.	BACK	Laura VAL	USA	12/08/2013	33.01
1:03.15	12/07/2019	USA	Jamie FOWLER	100	M.	BACK	Bonnie BILICH	USA	10/13/2018	1:12.39
2:17.15	12/08/2019	USA	Jamie FOWLER	200	M.	BACK	Bonnie BILICH	USA	10/14/2018	2:35.84
31.51	11/21/2015	USA	Rick COLELLA	50	M.	BRST	Jenny WHITELEY	AUS	05/26/2018	37.08

1:09.92	11/21/2015	USA	Rick COLELLA	100	M.	BRST	Jenny WHITELEY	AUS	05/26/2018	1:20.50
2:37.61	11/13/2011	USA	Rick COLELLA	200	M.	BRST	Jenny WHITELEY	AUS	05/26/2018	2:57.05
26.78	05/13/2017	CAN	Dan THOMPSON	50	M.	FLY	Traci GRANGER	USA	12/07/2019	31.24
1:00.20	05/23/2016	CAN	Dan THOMPSON	100	M.	FLY	Laura VAL	USA	12/08/2013	1:11.47
2:20.27	01/20/2018	NED	Hugo BREGMAN	200	M.	FLY	Laura VAL	USA	12/03/2011	2:41.25
1:04.23	03/21/2015	USA	Rick COLELLA	100	M.	I.M.	Jenny WHITELEY	AUS	10/13/2018	1:12.19
2:19.96	03/21/2015	USA	Rick COLELLA	200	M.	I.M.	Jenny WHITELEY	AUS	10/13/2018	2:36.81
5:04.54	11/13/2011	USA	Rick COLELLA	400	M.	I.M.	Colette CRABBE	USA	12/02/2017	5:50.34
**********	MEN	**********		65-69	**********	W O M E N	**********			
25.42	03/03/2018	USA	Doug MARTIN	50	M.	FREE	Laura VAL	USA	11/19/2016	29.30
57.78	05/26/2019	USA	Jack GROSELLE	100	M.	FREE	Laura VAL	USA	12/01/2017	1:04.40
2:07.56	11/19/2016	USA	Rick COLELLA	200	M.	FREE	Laura VAL	USA	11/18/2017	2:23.26
4:27.91	11/19/2017	USA	Rick COLELLA	400	M.	FREE	Laura VAL	USA	09/24/2017	5:02.08
9:26.94	11/24/2019	USA	Rick COLELLA	800	M.	FREE	Laura VAL	USA	01/30/2016	10:34.67
18:53.75	04/02/2015	USA	Jim MCCONICA	1500	M.	FREE	Laura VAL	USA	01/30/2016	20:21.61
30.34	12/02/2012	USA	Hugh WILDER	50	M.	BACK	Laura VAL	USA	09/22/2019	33.41
1:07.69	12/01/2012	USA	Hugh WILDER	100	M.	BACK	Laura VAL	USA	12/01/2018	1:13.08
2:30.92	11/10/2019	USA	Tom WOLF	200	M.	BACK	Laura VAL	USA	12/01/2017	2:42.87
32.50	11/20/2016	USA	Rick COLELLA	50	M.	BRST	Sally SHIELDS	GBR	10/27/2019	40.66
1:11.82	11/24/2019	USA	Rick COLELLA	100	M.	BRST	Nobuko YASUDA	JPN	01/24/2010	1:28.73
2:36.85	11/19/2017	USA	Rick COLELLA	200	M.	BRST	Janette JEFFREY	AUS	07/18/2015	3:10.75
28.65	03/03/2018	USA	Doug MARTIN	50	M.	FLY	Penny NOYES	USA	11/23/2019	32.57
1:05.37	07/22/2016	USA	Lawrence DAY	100	M.	FLY	Laura VAL	USA	12/08/2019	1:13.47
2:25.35	11/18/2017	USA	Rick COLELLA	200	M.	FLY	Laura VAL	USA	09/18/2016	2:45.20
1:05.43	11/19/2016	USA	Rick COLELLA	100	M.	I.M.	Penny NOYES	USA	11/23/2019	1:15.65
2:20.35	11/17/2018	USA	Rick COLELLA	200	M.	I.M.	Laura VAL	USA	12/06/2019	2:46.04
5:03.34	11/18/2017	USA	Rick COLELLA	400	M.	I.M.	Laura VAL	USA	09/18/2016	5:55.00
**********	MEN	**********		70-74	**********	W O M E N	**********			
26.88	10/10/2015	USA	Richard ABRAHAMS	50	M.	FREE	Diann UUSTAL	USA	12/10/2016	32.38
1:01.70	05/17/2015	USA	Richard ABRAHAMS	100	M.	FREE	Charlotte DAVIS	USA	02/02/2020	1:10.25
2:19.63	11/17/2018	USA	Dan KIRKLAND	200	M.	FREE	Charlotte DAVIS	USA	02/02/2020	2:33.19
4:56.95	11/18/2018	USA	Dan KIRKLAND	400	M.	FREE	Charlotte DAVIS	USA	02/02/2020	5:28.76
10:17.73	11/10/2018	USA	Dan KIRKLAND	800	M.	FREE	Cecilia MCCLOSKEY	USA	01/18/2020	11:54.61
19:46.94	01/13/2019	USA	Dan KIRKLAND	1500	M.	FREE	Cecilia MCCLOSKEY	USA	01/18/2020	22:06.78
33.09	12/03/2017	USA	Hugh WILDER	50	M.	BACK	Cecilia MCCLOSKEY	USA	02/29/2020	36.68
1:12.09	12/07/2013	USA	Richard BURNS	100	M.	BACK	Cecilia MCCLOSKEY	USA	02/29/2020	1:17.36
2:38.01	12/06/2013	USA	Richard BURNS	200	M.	BACK	Diann UUSTAL	USA	10/28/2017	3:04.82
35.53	04/10/2016	GER	Dieter HOFEL	50	M.	BRST	Shoko YONEZAWA	JPN	02/27/2005	42.80
1:19.04	05/21/2016	USA	Douglas SPRINGER	100	M.	BRST	Nobuko YASUDA	JPN	04/12/2015	1:33.92
2:55.87	03/05/2016	USA	Robert STRAND	200	M.	BRST	Nobuko YASUDA	JPN	01/21/2017	3:24.57
29.52	10/11/2015	USA	Richard ABRAHAMS	50	M.	FLY	Diann UUSTAL	USA	03/05/2016	35.12
1:07.56	10/11/2015	USA	Richard ABRAHAMS	100	M.	FLY	Cecilia MCCLOSKEY	USA	02/29/2020	1:19.98
2:51.32	11/07/2009	NZL	Barry YOUNG	200	M.	FLY	Kira MAKAROVA	RUS	11/17/2018	3:26.35
1:12.74	05/25/2019	USA	Steven HECK	100	M.	I.M.	Cecilia MCCLOSKEY	USA	02/29/2020	1:21.09
2:40.45	05/24/2019	USA	Hubie KERNS	200	M.	I.M.	Cecilia MCCLOSKEY	USA	02/29/2020	2:55.56
5:48.15	09/22/2019	USA	Alek SHESTAKOV	400	M.	I.M.	Brigitte MERTEN	GER	01/16/2016	6:47.91
**********	MEN	**********		75-79	**********	W O M E N	**********			
28.93	10/13/2019	USA	David QUIGGIN	50	M.	FREE	Christel SCHULZ	GER	06/20/2015	34.58
1:04.80	10/13/2019	USA	David QUIGGIN	100	M.	FREE	Jane ASHER	GBR	03/25/2006	1:18.59
2:26.94	10/12/2019	USA	David QUIGGIN	200	M.	FREE	Yoshiko OSAKI	JPN	01/26/2013	2:51.65
5:15.10	04/18/2009	USA	David RADCLIFF	400	M.	FREE	Yoshiko OSAKI	JPN	04/19/2015	6:08.74
10:59.10	04/17/2009	USA	David RADCLIFF	800	M.	FREE	Yoshiko OSAKI	JPN	05/12/2013	12:25.61
20:39.50	04/17/2009	USA	David RADCLIFF	1500	M.	FREE	Jane ASHER	GBR	11/26/2006	24:04.75
33.87	12/02/2018	USA	Richard BURNS	50	M.	BACK	Clary MUNNS	AUS	07/21/2019	39.01
1:14.03	12/07/2019	USA	Richard BURNS	100	M.	BACK	Clary MUNNS	AUS	07/21/2019	1:27.40
2:44.04	12/02/2018	USA	Richard BURNS	200	M.	BACK	Clary MUNNS	AUS	10/13/2019	3:15.04
38.35	07/24/2016	USA	Mike FRESHLEY	50	M.	BRST	Shoko YONEZAWA	JPN	02/14/2010	43.79
1:25.38	07/22/2016	USA	Mike FRESHLEY	100	M.	BRST	Shoko YONEZAWA	JPN	03/21/2010	1:36.48
3:06.82	07/23/2016	USA	Mike FRESHLEY	200	M.	BRST	Shoko YONEZAWA	JPN	04/17/2010	3:33.03
32.41	12/01/2018	USA	Richard BURNS	50	M.	FLY	Judy WILSON	FRA	03/08/2019	38.17
1:17.59	12/08/2019	USA	Richard BURNS	100	M.	FLY	Judy WILSON	FRA	03/09/2019	1:30.03
3:10.85	11/10/2018	CZE	Rudolf SMERDA	200	M.	FLY	Clary MUNNS	AUS	05/25/2019	3:34.50
1:17.58	07/23/2016	USA	Mike FRESHLEY	100	M.	I.M.	Clary MUNNS	AUS	05/25/2019	1:27.96
2:50.79	11/30/2018	USA	Richard BURNS	200	M.	I.M.	Clary MUNNS	AUS	10/13/2019	3:16.79
6:26.09	09/22/2019	USA	Richard BURNS	400	M.	I.M.	Yoshiko OSAKI	JPN	05/11/2013	7:11.33
**********	MEN	**********		80-84	**********	W O M E N	**********			
31.25	12/02/2017	USA	Jeff FARRELL	50	M.	FREE	Yoshiko OSAKI	JPN	05/20/2018	36.08
1:11.26	09/27/2014	USA	David RADCLIFF	100	M.	FREE	Yoshiko OSAKI	JPN	05/20/2018	1:21.29
2:38.25	09/28/2014	USA	David RADCLIFF	200	M.	FREE	Yoshiko OSAKI	JPN	02/10/2018	3:00.43
5:39.27	03/09/2014	USA	David RADCLIFF	400	M.	FREE	Yoshiko OSAKI	JPN	10/20/2019	6:23.17
11:35.71	11/15/2014	USA	David RADCLIFF	800	M.	FREE	Jane ASHER	GBR	06/11/2011	12:49.43
21:59.53	09/26/2014	USA	David RADCLIFF	1500	M.	FREE	Jane ASHER	GBR	06/11/2011	25:45.37

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37.82	11/15/2014	USA	Yoshi OYAKAWA	50	M.	BACK	Yoshiko OSAKI	JPN	04/01/2018	44.82
1:23.24	11/11/2017	USA	David COSTILL	100	M.	BACK	Yoshiko OSAKI	JPN	05/26/2019	1:40.82
3:07.44	10/01/2017	USA	David COSTILL	200	M.	BACK	Yoshiko OSAKI	JPN	10/21/2018	3:35.28
41.42	05/15/2005	JPN	Toshio TAJIMA	50	M.	BRST	Shoko YONEZAWA	JPN	03/08/2015	46.48
1:31.80	10/14/2017	AUS	Tony GOODWIN	100	M.	BRST	Shoko YONEZAWA	JPN	10/18/2015	1:45.52
3:23.69	10/14/2017	AUS	Tony GOODWIN	200	M.	BRST	Shoko YONEZAWA	JPN	02/06/2016	3:54.35
35.06	11/19/2016	JPN	Hiroshi MATSUMOTO	50	M.	FLY	Jane ASHER	GBR	04/09/2011	45.57
1:30.06	10/17/2020	JPN	Masaru SHINKAI	100	M.	FLY	Judie OLIVER	CAN	04/01/2012	1:50.08
3:30.11	02/27/2011	ITA	Giulio DIVANO	200	M.	FLY	Judie OLIVER	CAN	03/31/2012	4:10.18
1:24.69	11/11/2017	USA	David COSTILL	100	M.	I.M.	Yoshiko OSAKI	JPN	01/20/2018	1:38.45
3:16.09	10/17/2020	JPN	Masaru SHINKAI	200	M.	I.M.	Jane ASHER	GBR	06/11/2011	3:43.73
7:09.74	04/15/2017	JPN	Ikuro SHIMONO	400	M.	I.M.	Judie OLIVER	CAN	03/30/2012	8:04.67
**********	MEN	**********		85-89	**********	W O M E N	**********			
32.23	01/29/2016	ESP	Roberto ALBERICHE	50	M.	FREE	Jane ASHER	GBR	04/17/2016	38.75
1:14.68	01/31/2016	ESP	Roberto ALBERICHE	100	M.	FREE	Jane ASHER	GBR	06/25/2016	1:28.60
2:55.35	01/30/2016	ESP	Roberto ALBERICHE	200	M.	FREE	Jane ASHER	GBR	06/25/2016	3:12.66
6:27.44	04/13/2019	USA	David RADCLIFF	400	M.	FREE	Jane ASHER	GBR	04/15/2016	6:57.06
13:20.46	01/13/2019	USA	David RADCLIFF	800	M.	FREE	Jane ASHER	GBR	09/16/2016	14:24.83
25:18.19	04/12/2019	USA	David RADCLIFF	1500	M.	FREE	Jane ASHER	GBR	11/27/2016	28:02.25
40.59	04/19/2009	JPN	Keijiro NAKAMURA	50	M.	BACK	Katharina FLORA	HUN	02/24/2019	47.99
1:28.98	05/18/2008	JPN	Keijiro NAKAMURA	100	M.	BACK	Katharina FLORA	HUN	02/23/2019	1:44.18
3:18.29	04/20/2008	JPN	Keijiro NAKAMURA	200	M.	BACK	Katharina FLORA	HUN	02/24/2019	3:48.62
44.47	06/13/2010	JPN	Toshio TAJIMA	50	M.	BRST	A.VAN OBBERGHEN	BEL	01/23/2016	52.17
1:43.72	01/24/2010	GER	Karl HAUTER	100	M.	BRST	A.VAN OBBERGHEN	BEL	01/22/2016	1:56.68
3:59.91	03/18/2017	JPN	Shunsaku TAKAHIRA	200	M.	BRST	A.VAN OBBERGHEN	BEL	03/19/2016	4:17.34
41.08	01/28/2016	ESP	Roberto ALBERICHE	50	M.	FLY	Judie OLIVER	CAN	03/25/2017	51.40
1:52.03	05/12/2018	JPN	Takashi HAYASHI	100	M.	FLY	Judie OLIVER	CAN	05/12/2017	2:02.59
3:44.92	10/31/2010	USA	Thomas MAINE	200	M.	FLY	Judie OLIVER	CAN	03/25/2017	4:40.42
1:34.85	03/05/2016	ESP	Roberto ALBERICHE	100	M.	I.M.	Jane ASHER	GBR	08/20/2016	1:47.02
3:41.83	01/27/2019	USA	James ZURCHER	200	M.	I.M.	Katharina FLORA	HUN	02/23/2019	3:57.27
8:12.94	10/30/2010	USA	Thomas MAINE	400	M.	I.M.	Judie OLIVER	CAN	03/24/2017	8:42.45
**********	MEN	**********		90-94	**********	W O M E N	**********			
40.93	02/07/2016	JPN	Toshimi INATOMI	50	M.	FREE	Mieko KAMOSHITA	JPN	02/05/2017	49.09
1:35.17	10/11/2015	GER	Karl HAUTER	100	M.	FREE	Olga KOKORINA	RUS	03/09/2013	1:58.28
3:27.14	11/25/2016	GER	Karl HAUTER	200	M.	FREE	Rita SIMONTON	USA	11/08/2008	4:24.90
7:44.83	09/28/2014	USA	Willard LAMB	400	M.	FREE	Rita SIMONTON	USA	11/08/2008	9:01.89
16:04.18	09/27/2014	USA	Willard LAMB	800	M.	FREE	Maurine KORNFELD	USA	12/04/2011	18:38.69
30:41.82	09/26/2014	USA	Willard LAMB	1500	M.	FREE	Rita SIMONTON	USA	10/05/2008	35:40.38
52.49	05/25/2008	JPN	Goro KOBAYASHI	50	M.	BACK	Betty LORENZI	USA	10/14/2017	56.84
1:47.66	05/14/2006	JPN	Goro KOBAYASHI	100	M.	BACK	Betty LORENZI	USA	10/14/2017	2:04.90
3:59.25	05/27/2007	JPN	Goro KOBAYASHI	200	M.	BACK	Betty LORENZI	USA	10/15/2017	4:24.90
49.58	06/07/2015	JPN	Toshio TAJIMA	50	M.	BRST	Olga KOKORINA	RUS	03/09/2013	1:02.33
1:56.64	11/07/2015	GER	Karl HAUTER	100	M.	BRST	Olga KOKORINA	RUS	11/02/2013	2:25.58
4:21.52	11/12/2016	GER	Karl HAUTER	200	M.	BRST	Olga KOKORINA	RUS	03/07/2013	5:15.24
54.38	05/24/2015	JPN	Toshio TAJIMA	50	M.	FLY	Charlotte SANDDAL	USA	10/11/2012	1:21.95
2:16.78	06/10/2018	BRA	G.DA SILVA	100	M.	FLY	Dorothy WESTON	GBR	04/06/2003	3:21.00
5:24.08	10/11/2015	USA	Thomas MAINE	200	M.	FLY	Nora RONAI	BRA	09/20/2014	9:17.02
1:53.75	11/28/2015	GER	Karl HAUTER	100	M.	I.M.	Olga KOKORINA	RUS	03/08/2013	2:22.96
4:17.75	11/25/2016	GER	Karl HAUTER	200	M.	I.M.	Jean TROY	USA	11/05/2017	5:40.20
9:39.56	11/15/2015	USA	Thomas MAINE	400	M.	I.M.	Nora RONAI	BRA	11/20/2014	13:55.37
**********	MEN	**********		95-99	**********	W O M E N	**********			
45.47	11/18/2017	USA	Willard LAMB	50	M.	FREE	Maurine KORNFELD	USA	12/03/2016	1:04.68
1:47.23	03/04/2017	USA	Willard LAMB	100	M.	FREE	Maurine KORNFELD	USA	12/01/2017	2:16.63
3:56.49	11/18/2017	USA	Willard LAMB	200	M.	FREE	Maurine KORNFELD	USA	12/01/2017	4:56.12
8:13.42	03/05/2017	USA	Willard LAMB	400	M.	FREE	Maurine KORNFELD	USA	12/03/2016	10:08.44
16:56.22	11/19/2017	USA	Willard LAMB	800	M.	FREE	Maurine KORNFELD	USA	11/06/2016	20:57.02
31:56.67	11/19/2017	USA	Willard LAMB	1500	M.	FREE	Rita SIMONTON	USA	10/06/2013	42:34.14
55.60	11/19/2017	USA	Willard LAMB	50	M.	BACK	Nora KUTTI	EST	02/04/2017	1:12.24
2:04.72	11/11/2017	USA	Willard LAMB	100	M.	BACK	Kalis RASMUSSEN	CAN	04/27/2019	2:42.13
4:24.83	11/18/2017	USA	Willard LAMB	200	M.	BACK	Kalis RASMUSSEN	CAN	04/28/2019	5:42.83
1:07.12	01/24/2010	JPN	Hiromu YOSHIMOTO	50	M.	BRST	Kalis RASMUSSEN	CAN	04/28/2019	1:32.51
2:31.77	01/24/2010	JPN	Hiromu YOSHIMOTO	100	M.	BRST	Kalis RASMUSSEN	CAN	04/28/2019	3:33.94
5:45.70	05/08/2010	JPN	Hiromu YOSHIMOTO	200	M.	BRST	Kalis RASMUSSEN	CAN	04/28/2019	7:22.30
2:02.24	10/27/2018	USA	Robert DOUD	50	M.	FLY	Maurine KORNFELD	USA	12/02/2017	2:12.78
5:36.78	03/17/2018	USA	Robert DOUD	100	M.	FLY				
11:08.68	03/17/2018	USA	Robert DOUD	200	M.	FLY				
2:39.39	12/09/2017	USA	Willard LAMB	100	M.	I.M.	Maurine KORNFELD	USA	09/25/2016	3:32.13
9:50.55	10/05/2008	USA	Walter PFEIFFER	200	M.	I.M.	Charlotte SANDDAL	USA	10/12/2018	9:32.59
21:03.17	10/05/2008	USA	Walter PFEIFFER	400	M.	I.M.				
**********	MEN	**********		100-104	**********	W O M E N	**********			
55.75	06/23/2018	AUS	George CORONES	50	M.	FREE	Mieko NAGAOKA	JPN	01/26/2014	1:34.12
2:19.02	06/23/2018	AUS	George CORONES	100	M.	FREE	Mieko NAGAOKA	JPN	01/26/2014	3:30.49

				200	M.	FREE	Mieko NAGAOKA	JPN	01/25/2014	7:27.89
				400	M.	FREE	Mieko NAGAOKA	JPN	04/06/2014	16:40.10
				800	M.	FREE	Mieko NAGAOKA	JPN	05/11/2014	36:51.23
				1500	M.	FREE	Mieko NAGAOKA	JPN	04/04/2015	75:54.39
1:26.68	03/29/2014	FRA	Jean LEEMPUT	50	M.	BACK	Mieko NAGAOKA	JPN	02/16/2014	1:38.71
3:26.09	03/28/2014	FRA	Jean LEEMPUT	100	M.	BACK	Mieko NAGAOKA	JPN	02/16/2014	3:42.81
				200	M.	BACK	Mieko NAGAOKA	JPN	02/15/2014	7:40.01
				50	M.	BRST				
				100	M.	BRST				
				200	M.	BRST				
				50	M.	FLY				
				100	M.	FLY				
				200	M.	FLY				
				100	M.	I.M.				
				200	M.	I.M.				
				400	M.	I.M.				

******************	MEN	******************	105-109	****************** W O M E N ******************						
2:52.48	01/24/2014	CAN	Jaring TIMMERMAN	50	M.	FREE				
				100	M.	FREE				
				200	M.	FREE				
				400	M.	FREE				
				800	M.	FREE				
				1500	M.	FREE				
3:09.55	01/24/2014	CAN	Jaring TIMMERMAN	50	M.	BACK				
				100	M.	BACK				
				200	M.	BACK				
				50	M.	BRST				
				100	M.	BRST				
				200	M.	BRST				
				50	M.	FLY				
				100	M.	FLY				
				200	M.	FLY				
				100	M.	I.M.				
				200	M.	I.M.				
				400	M.	I.M.				

******** RELAY 200 M. FREE - WOMEN ***************				********* RELAY 200 M. MEDLEY - WOMEN *************			
100-119 MICHIGAN	USA	03/31/1996	1:45.93	100-119 NEVA STARS	RUS	11/27/2015	1:58.90
Dyne BURRELL	Susie DEVLIN			Evgeniya KARETINA	Anna POLIAKOVA		
Mary MUETING	Sheila TAORMINA			Anna KUZMICHEVA	Ekaterina SHERSHEN		
120-159 TSUNAMI	RUS	11/30/2014	1:44.88	120-159 TSUNAMI	RUS	11/28/2014	1:56.67
Irina SHLEMOVA	Lyubov YUDINA			Svetlana KARPEEVA	Svetlana KNIAGININA		
Ekaterina YUDINA	Svetlana KNIAGININA			Irina SHLEMOVA	Lyubov YUDINA		
160-199 TSUNAMI	RUS	11/24/2019	1:47.58	160-199 HELSINGBERGS SIMSALL	SWE	05/08/2016	2:00.84
Irina SHLEMOVA	Liubov YUDINA			Nina WAHLBERG	Louise KARLSSON		
Ekaterina YUDINA	Olga BORISOVA			Johanna SJOBERG	Helena ABERG		
200-239 CLUB TRIBE ALUMN	USA	02/29/2020	1:54.26	200-239 MASTERS SORLANDET	NOR	03/08/2019	2:08.77
Marie RESTREPO	Fall WILLEBOORDSE			Lise LOTHE	Anette Ekberg SORENSEN		
Susan WILLIAMS	Margaret CONZE			Janne THORSTENSEN	Marianne FUGLESTVEIT		
240-279 NORTH TEXAS LONESTAR	USA	11/11/2017	2:02.15	240-279 NORTH TEXAS LONESTAR	USA	11/14/2015	2:19.60
Kristin HENDERSON	Lynn MORRISON			Monica BAILEY	Krissy MACCURDY		
Christina MCKELVEY	Monica BAILEY			Lynn MORRISON	Christina MCKELVEY		
280-319 PSV	NED	01/27/2019	2:25.83	280-319 OREGON MASTERS	USA	11/18/2017	2:44.72
Patty KRUPIARZ	Lottie GEURTS			Joy WARD	Janet GETTLING		
Corrie VERHOEVEN	Esther van LOHUIZEN			Sandi ROUSSEAU	Margaret TOPPEL		
320-359 BIG YOKOHAMA	JPN	02/16/2013	2:55.60	320-359 BIG YOKOHAMA	JPN	02/16/2013	3:28.88
Shoko YONEZAWA	Sonoe WATANABE			Shoko YONEZAWA	Masae KURATA		
Mieko KAMOSHITA	Masae KURATA			Sonoe WATANABE	Mieko KAMOSHITA		
360-399 SAPPORO MST	JPN	06/02/2013	4:45.07	360-399 SAPPORO MASTERS	JPN	06/03/2018	5:40.08
Kinko MATSUMOTO	Setsuko NARITA			Sumiko KUJI	Naka FUKUOKA		
Naka FUKUOKA	Fumi MURATA			Haruko SASAKI	Fumi MURATA		

******** RELAY 400 M. FREE - WOMEN ***************				********* RELAY 400 M. MEDLEY - WOMEN *************			
100-119 SEN-SWIM	JPN	11/17/2019	3:55.76	100-119 RENAISSANCE	JPN	09/23/2015	4:14.24
Rie NAKAGAMI	Kanako TAYAMA			Ayumi WATANABE	Yoko YAMAGUCHI		
Maya HATANAKA	Mika KASHIWAZAKI			Mio HIRANO	Maki MITA		
120-159 BIRMINGHAM MASTERS	GBR	10/27/2019	3:58.02	120-159 TEDDINSTON MASTERS	GBR	10/28/2017	4:24.80
KATIE WALKER-STABELER	ALICE LANE			Hannah LOUGHLIN	Georgina HEYN		
ANNA MCCALL	JUSTINE CLARK			Rebecca NEWSON	Zoe LIOKALOS		
160-199 RED TIDE OF NYC	USA	12/13/2009	4:03.25	160-199 NORTH CAROLINA MASTE	USA	11/17/2019	4:31.32
Fall WILLEBOORDSE	Jane KELSEY			Kerry LINDAUER	Sara DUNN		
Susan WAGER	Kristin GARY			Irish HOLLAND	Erika BRAUN		

200-239	ZPC AMERSFOORT	NED	01/26/2020	4:18.18
	Lesley CORDIAL	Atie PIJTAK-RADERSMA		
	Lidia V. BON-ROSENBRAND	Marije JANSEN		
240-279	UCLA	USA	03/06/2016	4:30.74
	Jacki HIRSTY	Christie CIRANLO		
	Jenny COOK	Veronica HIBBEN		
280-319	PSV	NED	01/26/2020	5:21.18
	Corrie VERHOEVEN	Lotte GEURTS		
	Saskia PHAFF	Ineke WEEKERS		
320-359	BIG YOKOHAMA	JPN	04/27/2013	7:05.93
	Shoko YONEZAWA	Yuko SAKAGAMI		
	Mieko KAMOSHITA	Masae KURATA		
360-399				

200-239	NORTH TEXAS MASTERS	USA	11/08/2015	4:48.61
	Stephanie STONE	Maureen REA		
	Lisa MIZE	Lynn MORRISON		
240-279	OREGON MASTERS	USA	11/10/2018	5:12.09
	Karen ANDRUS-HUGHES	Colette CRABBE		
	Laura WORDEN	Arlene DELMAGE		
280-319	SPENCER SWIM TEAM	GBR	10/27/2018	6:12.44
	Helen TRIPPE	Diane FORD		
	Amanda HEATH	Jean HOWARD-JONES		
320-359	MAITRES POINTE-CLAIR	CAN	05/25/2019	8:00.03
	Mae WALDIE	Helena LUI		
	Judie OLIVER	Gail WHITTAKER		
360-399				

******** RELAY 800 M. FREE - WOMEN **********

100-119	SILVER CITY	GBR	10/28/2017	8:53.34
	Rachael KEIR	Louise KENNEDY		
	Kelly MCINTOSH	Laura ROBERTSON		
120-159	TEDDINGTON MASTERS	GBR	10/27/2018	8:50.47
	Laure KEARNS	Georgina HEYN		
	Hannah LOUGHLIN	Zoe LIOKALOS		
160-199	RED TIDE OF NYC	USA	12/13/2009	8:56.55
	Jane KELSEY	Fall WILLEBOORDSE		
	Susan WAGER	Kristin GARY		
200-239	UCLA BRUIN MASTERS	USA	12/06/2013	9:29.43
	Roni HIBBEN	Christie CIRAULO		
	Laurie DODD	Erika STEBBINS		
240-279	NORTH TEXAS MASTERS	USA	11/08/2015	10:25.22
	Kristin HENDERSON	Lynn MORRISON		
	Heidi ERNST	Jacki HIRSTY		
280-319	PSV	NED	01/25/2019	12:06.47
	Ineke WEEKERS	Lottie GEURTS		
	Corrie VERHOEVEN	Patty VERHAGEN		
320-359	SUNWAY YOKOHAMA	JPN	10/21/2017	16:13.28
	Shoko YONEZAWA	Sachie MORI		
	Yuko SAKAGAMI	Sonoe WATANABE		
360-399				

******** RELAY 200 M. FREE - M E N **********

100-119	OKUDINHAS	BRA	12/12/2009	1:30.73
	Ricardo WASSALL	Leandro OKUDA		
	Daniel BELINI	Alexander REHDER		
120-159	TSUNAMI	RUS	11/24/2019	1:30.83
	Aleksey GETMANENKO	Aleksandor SATANOVSKIY		
	Sergey MUKHIN	Andrei KURNOSOV		
160-199	LAHDEN KALEVA	FIN	03/28/2009	1:33.91
	Janne VIRTANEN	Tero MATKANIEMI		
	Ari AILIO	Tommy RUNDGREN		
200-239	BLU FROG	USA	10/16/2010	1:38.79
	Ambrose GAINES	Keith SWITZER		
	Marc MIDDLETON	Scot WEISS		
240-279	BLU FROG TEAM	USA	10/14/2012	1:43.21
	Richard ABRAHAMS	Marc MIDDLETON		
	Lucky MEISENHEIMER	Ross BOGLKEN		
280-319	GOLD COAST MASTERS	USA	10/11/2015	1:54.44
	Keefe LODWIG	Jan SODERSTROM		
	Lee CHILDS	David QUIGGIN		
320-359	JUEI CLUB	JPN	04/27/2003	2:20.85
	Shoichi SHIDA	Keijiro NAKAMURA		
	Katsuzo SHIRAYAMA	Isamu TAMURA		
360-399	JUEI CLUB	JPN	02/17/2008	3:19.42
	Isamu TAMURA	Hideya FUJII		
	Hidekazu TAMURA	Tokushi KOMEDA		

********* RELAY 200 M. MEDLEY - M E N **********

100-119	GOLDEN ROAD AQUATICS	USA	12/03/2016	1:39.29
	Tony COX	Nicholas KORTH		
	Mario MARSHALL	Luke PECHMANN		
120-159	JFE KEIHIN	JPN	03/18/2018	1:38.46
	Takashi TAKEMOTO	Yuki KANAYA		
	Ryoya TAGUCHI	Shintaro UCHIYAMA		
160-199	SIBMASTERS	RUS	11/18/2016	1:43.04
	Sergey MAKOV	Sergey GEYBEL		
	Aleksandr PROKURATOV	Vitaliy KRASAVIN		
200-239	LONGHORN AQUATICS	USA	12/01/2012	1:49.42
	Anders RASMUSSEN	David GUTHRIE		
	Jim SAUER	Mike VAROZZA		
240-279	RICE AQUATIC MASTERS	USA	11/10/2018	1:54.15
	Jay YARID	David GUTHRIE		
	John FIELDS	Bruce WILLIAMS		
280-319	VENTURA COUNTY MASTE	USA	05/26/2019	2:12.29
	Steven HECK	Hubie KERNS		
	Glenn GRUBER	Bruce ROLLINS		
320-359	HELLAS SIMKLUBB	SWE	03/24/2019	2:39.05
	Erik FORSLUND	Mathias KRONER		
	Lauri MALK	Peter BERGENGREN		
360-399	NISHINOMIYA SUMIRE	JPN	05/09/2009	4:15.49
	Toshio YURI	Hiromu YOSHIMOTO		
	Takeshi YASUKAWA	Kazunaga AKUTSU		

******** RELAY 400 M. FREE - M E N **********

100-119	EAST LEEDS SWIM CLUB	GBR	10/27/2019	3:24.53
	ALISTAIR CRAWFORD	RICHARD JAGGER		
	RICHARD AYRE	RYAN FLANAGAN		
120-159	JFE KEIHIN	JPN	05/20/2018	3:23.55

********* RELAY 400 M. MEDLEY - M E N **********

100-119	FORD AQUATICS	USA	11/24/2013	3:43.64
	Darien TOWNSEND	Marcus TITUS		
	Tyler DEBERRY	Carl MILLER		
120-159	JFE KEIHIN	JPN	05/20/2018	3:40.00

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	Ryoya TAGUCHI	Takashi TAKEMOTO			Takashi TAKEMOTO	Hajime IKEGAMI	
	Takao UEKI	Shintaro UCHIYAMA			Ryoya TAGUCHI	Shintaro UCHIYAMA	
160-199	MOZKA	BEL	03/23/2019	3:27.42	160-199 ASD NUOTO MASTERS	ITA	03/24/2018	3:50.15
	Fredric TONUS	Ruud CUYVERS			Maurizio TERSAR	Andrea MANIERO		
	Michel VAN THIELEN	Stef VERACHTEN			Massimiliano EROLI	Massimiliano GIALDI		
200-239	BLU FROG TEAM	USA	10/15/2011	3:40.26	200-239 LONGHORN AQUATICS	USA	12/02/2012	3:59.68
	Charles LYDECKER	Ross BOHLKEN			Anders RASMUSSEN	David GUTHRIE		
	Keith SWITZER	Ambrose GAINES			Jim SAUER	Mike VAROZZA		
240-279	BLU FROG TEAM	USA	10/14/2012	3:56.97	240-279 RICE AQUATIC MASTERS	USA	11/11/2018	4:19.86
	Ross BOHLKEN	Marc MIDDLETON			Jay YARID	David GUTHRIE		
	Lucky MEISENHEIMER	Richard ABRAHAMS			John FIELDS	Bruce WILLIAMS		
280-319	GOLD COAST MASTERS	USA	10/11/2015	4:21.85	280-319 VENTURA COUNTY MASTE	USA	05/25/2019	4:59.48
	Lee CHILDS	Jan SODERSTROM			Steven HECK	Hubie KERNS		
	Keefe LODWIG	David QUIGGIN			Glenn GRUBER	Bruce ROLLINS		
320-359	MICHIGAN MASTERS	USA	03/19/2016	5:48.17	320-359 MICHIGAN	USA	03/19/2016	6:35.34
	Keith CROMPTON	Joel LOCKWOOD			Ray MARTIN	Joel LOCKWOOD		
	Ray MARTIN	Erik LOKENSGARD			Erik LOKENSGARD	Wallie JEFFRIES		
360-399	FLORIDA AQUATIC COMB	USA	10/12/2014	9:52.10	360-399			
	Rogers HOLMES	John CORSE						
	Edwin GRAVES	William ADAMS						

******** RELAY 800 M. FREE - M E N **********

100-119	AQAMAX	JPN	04/09/2017	7:37.43
	Suguru ANDO	Ryo USHIJIMA		
	Tomoki TANAKA	Chikahide ENDO		
120-159	BLUE CORSAIRS	JPN	04/09/2017	7:30.89
	Ryoya TAGUCHI	Takashi TAKEMOTO		
	Shintaro UCHIYAMA	Takao UEKI		
160-199	SIGMA SWIM	DEN	03/12/2016	7:52.68
	Mads GJERLOV	Jacob LERCKE SKYTTE		
	Henrik PEDERSEN	Claus LERCHE IVERSEN		
200-239	BLU FROG TEAM	USA	10/14/2011	8:03.40
	Ambrose GAINES	Charles LYDECKER		
	Tim BUCKLEY	Keith SWITZER		
240-279	VENTURA COUNTY MASTE	USA	12/04/2015	8:50.43
	Jim MCCONICA	Glenn GRUBER		
	Michael BLATT	Mike SHAFFER		
280-319	GOLD COAST MASTERS	USA	10/09/2015	10:07.45
	David QUIGGIN	Cav CAVANAUGH		
	Lee CHILDS	Keefe LODWIG		
320-359	MICHIGAN MASTERS	USA	03/19/2016	12:15.50
	Wallie JEFFRIES	Joel LOCKWOOD		
	Ray MARTIN	Erik LOKENSGARD		
360-399	FLORIDA AQUATIC COMB	USA	10/10/2014	21:24.39
	Rogers HOLMES	William ADAMS		
	Edwin GRAVES	John CORSE		

******** RELAY 200 M. FREE - MIXED **********

100-119	POSEIDON	RUS	11/29/2014	1:39.37
	Olga KLIUCHNIKOVA	Aleksei TESLIK		
	Anna MARKOVA	Aleksei ZATCEPIN		
120-159	TSUNAMI	RUS	11/22/2019	1:37.51
	Audrei KURNOSOV	Aleksey GETMANENKO		
	Ekaterina YUDINA	Irina SHLEMOVA		
160-199	NEVA STARS	RUS	11/28/2015	1:40.86
	Pavel LEBEDEV	Anna POLIAKOVA		
	Olga POZNIAKOVA	Vladimir PREDKIN		
200-239	EAST LEEDS	GBR	10/28/2016	1:46.08
	Paul CLEMENCE	Nina WILLIAMS		
	David EMERSON	Julie HOYLE		
240-279	NORTH TEXAS LONESTAR	USA	11/14/2015	1:52.68
	Doug MARTIN	Tom BARTON		
	Christina MCKELVEY	Lynn MORRISON		
280-319	SARASOTA SHARKS	USA	05/24/2019	2:08.18
	Jack GROSELLE	Bob COUCH		
	Julianna HOLBROOK	June CARSON		
320-359	ST KANSAI	JPN	01/27/2019	2:26.62
	Fusako HIROOKA	Yoshiko OSAKI		
	Chitoshi KONISHI	Yoshiyuki FUNAHASHI		
360-399	SUNWAY YOKOHAMA	JPN	02/11/2018	3:32.71
	Mieko KAMOSHITA	Kaizo WATANABE		
	Shoko YONEZAWA	Minoru NAGASHIMA		

********* RELAY 200 M. MEDLEY - MIXED **********

100-119	GOLDEN ROAD	USA	12/02/2017	1:48.37
	Margo ACEINO	Luke PECHMANN		
	Alexander ACEINO	Liliana IBANEZ LOPEZ		
120-159	PHOENIX SWIM CLUB	USA	11/23/2013	1:47.51
	Norika INADA	Jeff COMMINGS		
	Erin CAMPBELL	Jan KONARZEWSKI		
160-199	MAD WAVE	RUS	11/24/2019	1:51.25
	Aleksandra POVALII	Pavel LEBEDEV		
	Anna POLIAKOVA	Vladimir PREDKIN		
200-239	BLU FROG TEAM	USA	10/14/2012	1:57.65
	Sheri HART	Danielle CHANCE		
	Marc MIDDLETON	Richard ABRAHAMS		
240-279	NOVAQUATICS MASTERS	USA	12/07/2019	2:04.82
	Jamie FOWLER	Henry VEHOVEC		
	Katie OSBORNE	Veronica HIBBEN		
280-319	TAMALPAIS AQUATIC MA	USA	09/27/2015	2:22.04
	Laura VAL	Kenneth FROST		
	Richard BURNS	Nancy RIDOUT		
320-359	OREGON MASTERS	USA	03/10/2019	2:57.97
	Willard LAMB	Janet GETTLING		
	Margaret TOPPEL	David RADCLIFF		
360-399	COAST MASTERS	USA	10/19/2003	5:12.04
	Madeleine MILLER	Maxine MERLINO		
	Walter PFEIFFER	Woody BOWERSOCK		

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******** RELAY  400  M.   FREE - MIXED ***************
100-119 VZC                  NED  01/26/2020  3:40.20
   Marjolein DELNO           Olaf ACHTERBERG
   Jelle NAP                 Saskia DE JONGE
120-159 SEN-SWIM             JPN  11/16/2019  3:42.56
   Chikahide ENDO            Tomoki TANAKA
   Kanako TAYAMA             Mika KASHIWAZAKI
160-199 COLORADO MASTERS SWI USA  11/21/2009  3:46.01
   Chris O'SULLIVAN          Richard ABRAHAMS
   Susan VON DER LIPPE       Sheri HART
200-239 NORTH CAROLINA MASTE USA  12/14/2014  3:56.10
   Erika BRAUN               Henry STEWART
   Sue WALSH                 Jonathan KLEIN
240-279 PUGET SOUND MASTERS  USA  11/20/2016  4:16.39
   Rick COLELLA              Charlotte DAVIS
   Dave HANNULA              Lisa DAHL
280-319 SARASOTA SHARKS MAST USA  05/26/2019  4:44.05
   Jack GROSELLE             Bob COUCH
   Julianna HOLBROOK         June CARSON
320-359 OREGON MASTERS       USA  11/12/2017  6:00.74
   Willard LAMB              Joy WARD
   David RADCLIFF            Margaret TOPPEL
360-399 SUNWAY YOKOHAMA      JPN  10/21/2017  9:05.56
   Mieko KAMOSHITA           Kaizo WATANABE
   Shigeko TANAKA            Minoru NAGASHIMA
******** RELAY  800  M.   FREE - MIXED **************
100-119 SEN-SWIM             JPN  11/17/2018  8:20.64
   Mika KASHIWAZAKI          Kanako TAYAMA
   Tomoki TANAKA             Chikahide ENDO
120-159 NOTTINGHAM LEANDER   GBR  11/23/2014  8:13.69
   Iain MACMILLAN            Selena BURGESS
   Rebeca MILNES             Alex THURSTON
160-199 WALNUT CREEK MASTERS USA  10/16/2009  8:26.62
   Jack SORENSEN             Alison ZAMANIAN
   Margee CURRAN             Roque SANTOS
200-239 ILLINOIS MASTERS     USA  10/11/2015  8:36.91
   Liz DILLMANN              David SIMS
   Andrea BLOCK              Jim TUCHLER
240-279 SARASOTA SHARKS      USA  11/09/2019  9:31.20
   Jack GROSELLE             Rick WALKER
   Karen EINSIDLER           Rebecca ATEN
280-319 TAMALPAIS AQUATIC MA USA  09/27/2015 10:54.11
   Laura VAL                 Kenneth FROST
   Nancy RIDOUT              Richard BURNS
320-359 AZSC                 BEL  01/20/2017 15:02.24
   Joseph MEYTEN             Agnes VAN OBBERGHEN
   Jozef VAN ROY             Eliane PELLIS
360-399 FLORIDA AQUATIC COMB USA  12/17/2016 23:00.65
   Edwin GRAVES              John CORSE
   Joan CAMPBELL             Betty LORENZI
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********* RELAY  400  M. MEDLEY - MIXED *************
100-119 DWK                  NED  01/25/2014  4:05.65
     Merijn ELLENKAMP          Nick VAN GEMERT
     Pauline GOUWENS           Marion VAN DEN BERG
120-159 PHOENIX SWIM CLUB    USA  11/24/2013  3:56.24
     Norika INADA              Jeff COMMINGS
     Erin CAMPBELL             Jan KONARZEWSKI
160-199 JSS FUKAI            JPN  10/20/2019  4:10.11
     Kana MORIHISA             Yuichi SAKAI
     Tomohiro NAKANO           Yuki NAKAYAMA
200-239 ILLINOIS MASTERS     USA  10/11/2015  4:23.63
     Jim TUCHLER               David SIMS
     Andrea BLOCK              Liz DILLMANN
240-279 OREGON               USA  12/13/2009  4:43.20
     Karen ANDRUS-HUGHES       Allen STARK
     Colette CRABBE            David RADCLIFF
280-319 TAMALPAIS AQUATIC MA USA  10/11/2015  5:21.37
     Laura VAL                 Kenneth FROST
     Richard BURNS             Nancy RIDOUT
320-359 OREGON MASTERS       USA  11/11/2017  6:59.56
     Willard LAMB              Janet GETTLING
     Joy WARD                  David RADCLIFF
360-399 SAPPORO MST          JPN  05/31/2015 10:38.12
     Fumi MURATA               Naka FUKUOKA
     Toshikazu TATEDA          Yoshiro OBATA
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