2023 MAST Race Results - Race #7 - Final

Division Results

See page 3 to “Decipher MAST Scoring”

Course: W/L No Spinnakers, Shortened to 1 leg **Conditions: Winds SSE 5 knots, variable. Calm seas**

Start	Boat Name	DIV	HCP	DIV Pre-race PHRF	Spin	Code	Penalty	Finish Time	Start Time	Elapsed Time	DIV Correction Factor	DIV PHRF Time	DIV 10 minutes	DIV Spin Decimal	DIV Spin Correction	DIV Corrected Time	DIV Points	DIV PHRF Adjust	Div New PHRF
6:30	Silvergirl	1	108	103	N			18:58:15	18:30:00	0:28:15	0.9555896	0:27:00	2.70	0.62	0:00:37	0:26:22	1	-9	94
6:30	Perfect 10	1	84	72	N	CB		18:30:00	18:30:00	0:00:00	1.0032154	0:00:00	0.00	0.00	0:00:00	0:00:00	1.25	0	72
6:30	Timberwolf	1	51	38	N			18:56:10	18:30:00	0:26:10	1.0612245	0:27:46	2.78	0.64	0:00:38	0:27:08	2	-6	32
6:30	Blue Pearl	1	96	104	N			18:59:37	18:30:00	0:29:37	0.9541284	0:28:15	2.83	0.65	0:00:39	0:27:36	3	-3	101
6:30	Reckless Abandon	1	71	65	N			18:59:13	18:30:00	0:29:13	1.0146341	0:29:39	2.96	0.68	0:00:41	0:28:58	4	0	65
6:30	Sabotage	1	69	41	N			18:59:42	18:30:00	0:29:42	1.0558376	0:31:22	3.14	0.72	0:00:43	0:30:38	5	2	43
6:30	Anafi	1	114	86	N			19:02:13	18:30:00	0:32:13	0.9811321	0:31:37	3.16	0.73	0:00:44	0:30:53	6	2	88
6:30	The 19th Hole	1	75	81	N			19:07:08	18:30:00	0:37:08	0.9889065	0:36:43	3.67	0.85	0:00:51	0:35:52	7	2	83
6:30	Austral	1	81	79	N	DNC		23:59:59	18:30:00	5:29:59	1.0190779	5:36:17	33.63	7.76	0:07:46	5:28:31	12	0	79
6:30	Bounder	1	51	51	N	DNC		23:59:59	18:30:00	5:29:59	1.0665557	5:51:57	35.19	8.12	0:08:07	5:43:49	12	0	51
6:30	Yippee-Ki-Yay	1	87	87	N	DNC		23:59:59	18:30:00	5:29:59	1.0062794	5:32:03	33.21	7.66	0:07:40	5:24:23	12	0	87
Division 1: 11 boats - Average PHRF competing boats 74																			
6:25	Antonia	2	126	121	N			19:01:12	18:25:00	0:36:12	1.0163934	0:36:48	3.68	0.85	0:00:51	0:35:57	1	-9	112
6:25	Bacchus	2	126	120	N			19:01:11	18:25:00	0:36:11	1.0179104	0:36:50	3.68	0.85	0:00:51	0:35:59	2	-6	114
6:25	Sodbuster	2	131	126	N			19:01:50	18:25:00	0:36:50	1.0088757	0:37:10	3.72	0.86	0:00:51	0:36:18	3	-3	123
6:25	Stability Factor	2	165	164	N			19:05:28	18:25:00	0:40:28	0.9551821	0:38:39	3.87	0.89	0:00:54	0:37:46	4	0	164
6:25	Nautical Sun	2	144	122	N			19:03:52	18:25:00	0:38:52	1.014881	0:39:27	3.94	0.91	0:00:55	0:38:32	5	2	124
6:25	Eclipse	2	126	111	N			19:17:32	18:25:00	0:52:32	1.03177	0:54:12	5.42	1.25	0:01:15	0:52:57	6	2	113
6:25	Lazier	2	120	122	N			19:26:44	18:25:00	1:01:44	1.014881	1:02:39	6.27	1.45	0:01:27	1:01:12	7	2	124
6:25	AMOK	2	156	164	N			19:45:04	18:25:00	1:20:04	0.9551821	1:16:29	7.65	1.77	0:01:46	1:14:43	9	2	166
6:25	Liaison	2	165	135	N	PEN		19:30:28	18:25:00	1:05:28	0.9956204	1:05:11	6.52	1.50	0:01:30	1:03:41	9	2	137
6:25	Andiamo	2	156	156	N	DNC		23:59:59	18:25:00	5:34:59	0.9815864	5:28:49	32.88	7.59	0:07:35	5:21:14	13	0	156
6:25	SOGO	2	132	126	N	DNC		23:59:59	18:25:00	5:34:59	1.0251479	5:43:24	34.34	7.93	0:07:56	5:35:29	13	0	126
6:25	Who Dat	2	171	170	N	DNC		23:59:59	18:25:00	5:34:59	0.9625	5:22:25	32.24	7.44	0:07:26	5:14:59	13	0	170
Division 2: 12 boats - Average PHRF competing boats 132																			
6:20	Firewater	3	156	135	N			18:58:53	18:20:00	0:38:53	0.9766423	0:37:59	3.80	0.88	0:00:53	0:37:06	1	-9	126
6:20	Ahi	3	132	125	N			19:02:35	18:20:00	0:42:35	0.9911111	0:42:12	4.22	0.97	0:00:58	0:41:14	2	-6	119
6:20	Wanderer	3	110	83	N			18:59:58	18:20:00	0:39:58	1.056872	0:42:14	4.22	0.97	0:00:58	0:41:16	3	-3	80
6:20	Cattywampus	3	132	110	N			19:02:02	18:20:00	0:42:02	1.0136364	0:42:36	4.26	0.98	0:00:59	0:41:37	4	0	110
6:20	Skelday	3	102	104	N			19:03:16	18:20:00	0:43:16	1.0229358	0:44:16	4.43	1.02	0:01:01	0:43:14	5	2	106
6:20	Favorite Child	3	150	156	N			19:07:07	18:20:00	0:47:07	0.9475921	0:44:39	4.46	1.03	0:01:02	0:43:37	6	2	158
6:20	Kristin Marie	3	117	123	N			19:08:10	18:20:00	0:48:10	0.9940565	0:47:53	4.79	1.11	0:01:06	0:46:47	7	2	125
6:20	Rum Line	3	132	114	N			19:07:34	18:20:00	0:47:34	1.0075301	0:47:55	4.79	1.11	0:01:06	0:46:49	8	2	116
6:20	Falcon	3	117	119	N			19:32:45	18:20:00	1:12:45	1	1:12:45	7.28	1.68	0:01:41	1:11:04	9	2	121
6:20	Distraction	3	106	108	N	DNC		23:59:59	18:20:00	5:39:59	1.0440729	5:54:58	35.50	8.19	0:08:12	5:46:46	12	0	108
6:20	Mirasol	3	147	147	N	DNC		23:59:59	18:20:00	5:39:59	0.9856528	5:35:06	33.51	7.73	0:07:44	5:27:22	12	0	147
Division 3: 11 boats - Average PHRF competing boats 119																			
6:15	Adventurous	4	171	144	N			18:51:12	18:15:00	0:36:12	1.074928	0:38:55	3.89	0.90	0:00:54	0:38:01	1	-9	135
6:15	COOL CHANGE 4	4	177	150	N			18:52:15	18:15:00	0:37:15	1.0657143	0:39:42	3.97	0.92	0:00:55	0:38:47	2	-6	144
6:15	Ode to Joy	4	192	196	N			18:59:31	18:15:00	0:44:31	1	0:44:31	4.45	1.03	0:01:02	0:43:29	3	-3	193
6:15	Brown Eyes	4	165	154	N			19:01:25	18:15:00	0:46:25	1.0596591	0:49:11	4.92	1.14	0:01:08	0:48:03	4	0	154
6:15	Poggy	4	231	209	N			19:07:18	18:15:00	0:52:18	0.9828722	0:51:24	5.14	1.19	0:01:11	0:50:13	5	2	211
6:15	Carina	4	168	172	N			19:11:46	18:15:00	0:56:46	1.033241	0:58:39	5.87	1.35	0:01:21	0:57:18	6	2	174
6:15	Lone Gull	4	177	179	N			19:23:33	18:15:00	1:08:33	1.0233196	1:10:09	7.01	1.62	0:01:37	1:08:32	7	2	181
6:15	Irish Wake	4	177	187	N			19:28:04	18:15:00	1:13:04	1.0122117	1:13:58	7.40	1.71	0:01:42	1:12:15	8	2	189
6:15	Tiny Universe	4	228	234	N			19:35:45	18:15:00	1:20:45	0.9515306	1:16:50	7.68	1.77	0:01:46	1:15:04	9	2	236
6:15	Tempest Blueing	4	243	251	N			19:38:00	18:15:00	1:23:00	0.9313358	1:17:18	7.73	1.78	0:01:47	1:15:31	10	2	253
6:15	Raido	4	216	219	N			19:35:49	18:15:00	1:20:49	0.970091	1:18:24	7.84	1.81	0:01:49	1:16:35	11	2	221
6:15	Juniper	4	198	188	N			19:35:04	18:15:00	1:20:04	1.0108401	1:20:56	8.09	1.87	0:01:52	1:19:04	12	2	190
6:15	Jamboree	4	258	266	N			19:44:38	18:15:00	1:29:38	0.9142157	1:21:57	8.19	1.89	0:01:53	1:20:03	13	2	268
6:15	Blown Away	4	198	202	N	RET		22:59:59	18:15:00	4:44:59	0.9960106	4:43:51	28.38	6.55	0:06:33	4:37:18	15	2	204
6:15	Lady Ayr	4	171	173	N	RET		22:59:59	18:15:00	4:44:59	1.0359613	4:55:14	29.52	6.81	0:06:49	4:48:25	15	2	175
6:15	Athena	4	152	156	N	DNC		23:59:59	18:15:00	5:44:59	1.0609065	6:06:00	36.60	8.45	0:08:27	5:57:33	19	0	156
6:15	Grape Gravy	4	177	187	N	DNC		23:59:59	18:15:00	5:44:59	1.0162822	5:50:36	35.06	8.09	0:08:06	5:42:31	19	0	187
6:15	Happy Hour	4	222	222	N	DNC		23:59:59	18:15:00	5:44:59	0.9702073	5:34:42	33.47	7.72	0:07:43	5:26:59	19	0	222
6:15	Minnehaha	4	252	252	N	DNC		23:59:59	18:15:00	5:44:59	0.9339152	5:22:11	32.22	7.44	0:07:26	5:14:45	19	0	252
Division 4: 18 boats - Average PHRF competing boats 196																			

2023 MAST Race Results - Race #7 - Final

Fleet Results

Course: W/L No Spinnakers, Shortened to 1 leg **Conditions: Winds SSE 5 knots, variable. Calm seas**

Boat	Fleet Pre Race PHRH	Spin2	Code3	Penalty4	Fleet Elapsed Time	Fleet Correction Factor	Fleet PHRF Time	Fleet 10 Minute	Fleet Spin Decimal	Fleet Spin Correction	Fleet Corrected Time	Fleet Points	Fleet PHRF Adjust	Fleet New PHRF
Silvergirl	110	N		0	0:28:15	1.05	0:29:40	2.97	0.68	0:00:41	0:28:59	1	0	110
Perfect 10	83	N	CB	0	0:00:00	1.0947867	0:00:00	0.00	0.00	0:00:00	0:00:00	1.25	0	83
Timberwolf	45	N		0	0:26:10	1.1647059	0:30:29	3.05	0.70	0:00:42	0:29:46	2	0	45
Blue Pearl	108	N		0	0:29:37	1.0531915	0:31:12	3.12	0.72	0:00:43	0:30:28	3	0	108
Reckless Abandon	72	N		0	0:29:13	1.1141479	0:32:33	3.26	0.75	0:00:45	0:31:48	4	0	72
Anafi	88	N		0	0:32:13	1.0862069	0:35:00	3.50	0.81	0:00:48	0:34:11	5	0	88
Sabotage	34	N		0	0:29:42	1.1866438	0:35:15	3.52	0.81	0:00:49	0:34:26	6	0	34
Antonia	138	N		0	0:36:12	1.0072674	0:36:28	3.65	0.84	0:00:50	0:35:37	7	0	138
Adventurous	132	N		0	0:36:12	1.016129	0:36:47	3.68	0.85	0:00:51	0:35:56	8	0	132
Bacchus	127	N		0	0:36:11	1.0236337	0:37:02	3.70	0.85	0:00:51	0:36:11	9	0	127
Sodbuster	135	N		0	0:36:50	1.0116788	0:37:16	3.73	0.86	0:00:52	0:36:24	10	0	135
COOL CHANGE 4	135	N		0	0:37:15	1.0116788	0:37:41	3.77	0.87	0:00:52	0:36:49	11	0	135
Firewater	155	N		0	0:38:53	0.9829787	0:38:13	3.82	0.88	0:00:53	0:37:20	12	0	155
Stability Factor	164	N		0	0:40:28	0.9705882	0:39:17	3.93	0.91	0:00:54	0:38:22	13	0	164
Nautical Sun	124	N		0	0:38:52	1.0281899	0:39:58	4.00	0.92	0:00:55	0:39:02	14	0	124
The 19th Hole	81	N		0	0:37:08	1.0982567	0:40:47	4.08	0.94	0:00:56	0:39:50	15	0	81
Ode to Joy	196	N		0	0:44:31	0.9289544	0:41:21	4.14	0.95	0:00:57	0:40:24	16	0	196
Cattywampus	143	N		0	0:42:02	1	0:42:02	4.20	0.97	0:00:58	0:41:04	17	0	143
Wanderer	100	N		0	0:39:58	1.0661538	0:42:37	4.26	0.98	0:00:59	0:41:38	18	0	100
Ahi	127	N		0	0:42:35	1.0236337	0:43:35	4.36	1.01	0:01:00	0:42:35	19	0	127
Skelday	110	N		0	0:43:16	1.05	0:45:26	4.54	1.05	0:01:03	0:44:23	20	0	110
Brown Eyes	154	N		0	0:46:25	0.984375	0:45:41	4.57	1.05	0:01:03	0:44:38	21	0	154
Favorite Child	158	N		0	0:47:07	0.9788136	0:46:07	4.61	1.06	0:01:04	0:45:03	22	0	158
Poggy	188	N		0	0:52:18	0.9390244	0:49:07	4.91	1.13	0:01:08	0:47:59	23	0	188
Rum Line	121	N		0	0:47:34	1.0327869	0:49:08	4.91	1.13	0:01:08	0:48:00	24	0	121
Kristin Marie	125	N		0	0:48:10	1.0266667	0:49:27	4.95	1.14	0:01:08	0:48:19	25	0	125
Carina	174	N		0	0:56:46	0.9571823	0:54:20	5.43	1.25	0:01:15	0:53:05	26	0	174
Eclipse	109	N		0	0:52:32	1.0515933	0:55:15	5.52	1.28	0:01:17	0:53:58	27	0	109
Lazier	124	N		0	1:01:44	1.0281899	1:03:28	6.35	1.46	0:01:28	1:02:01	28	0	124
Liaison	150	N	PEN	0	1:05:28	0.99	1:04:49	6.48	1.50	0:01:30	1:03:19	30	0	150
Lone Gull	179	N		0	1:08:33	0.9506173	1:05:10	6.52	1.50	0:01:30	1:03:40	30	0	179
Irish Wake	191	N		0	1:13:04	0.9352227	1:08:20	6.83	1.58	0:01:35	1:06:45	31	0	191
Tempest Blueing	253	N		0	1:23:00	0.8630137	1:11:38	7.16	1.65	0:01:39	1:09:59	32	0	253
Tiny Universe	228	N		0	1:20:45	0.8907455	1:11:56	7.19	1.66	0:01:40	1:10:16	33	0	228
Raido	223	N		0	1:20:49	0.8965071	1:12:27	7.25	1.67	0:01:40	1:10:47	34	0	223
Falcon	121	N		0	1:12:45	1.0327869	1:15:08	7.51	1.73	0:01:44	1:13:24	35	0	121
Jamboree	270	N		0	1:29:38	0.845122	1:15:45	7.58	1.75	0:01:45	1:14:00	36	0	270
Juniper	178	N		0	1:20:04	0.9519231	1:16:13	7.62	1.76	0:01:46	1:14:27	37	0	178
AMOK	166	N		0	1:20:04	0.9678771	1:17:30	7.75	1.79	0:01:47	1:15:42	38	0	166
Blown Away	201	N	RET	0	4:44:59	0.9280959	4:24:30	26.45	6.10	0:06:06	4:18:23	40	0	201
Lady Ayr	173	N	RET	0	4:44:59	0.9640387	4:34:44	27.47	6.34	0:06:20	4:28:24	40	0	173
Andiamo	156	N	DNC	0	5:34:59	0.9872521	5:30:43	33.07	7.63	0:07:38	5:23:05	54	0	156
Athena	160	N	DNC	0	5:44:59	0.9816901	5:38:40	33.87	7.82	0:07:49	5:30:51	54	0	160
Austral	91	N	DNC	0	5:29:59	1.0873635	5:58:49	35.88	8.28	0:08:17	5:50:32	54	0	91
Bounder	51	N	DNC	0	5:29:59	1.1597338	6:22:42	38.27	8.83	0:08:50	6:13:52	54	0	51
Distraction	106	N	DNC	0	5:39:59	1.0625	6:01:14	36.12	8.34	0:08:20	5:52:54	54	0	106
Grape Gravy	193	N	DNC	0	5:44:59	0.9380888	5:23:38	32.36	7.47	0:07:28	5:16:09	54	0	193
Happy Hour	222	N	DNC	0	5:44:59	0.9028497	5:11:28	31.15	7.19	0:07:11	5:04:17	54	0	222
Minnehaha	252	N	DNC	0	5:44:59	0.8690773	4:59:49	29.98	6.92	0:06:55	4:52:54	54	0	252
Mirasol	147	N	DNC	0	5:39:59	1	5:39:59	34.00	7.85	0:07:51	5:32:08	54	0	147
SOGO	132	N	DNC	0	5:34:59	1.0219941	5:42:21	34.24	7.90	0:07:54	5:34:27	54	0	132
Who Dat	172	N	DNC	0	5:34:59	0.965374	5:23:23	32.34	7.46	0:07:28	5:15:55	54	0	172
Yippee-Ki-Yay	87	N	DNC	0	5:29:59	1.0941915	6:01:04	36.11	8.33	0:08:20	5:52:44	54	0	87

53 Boats in Fleet Average PHRF competing boats 143

Deciphering the MAST Scoring Results*

DIV Pre-race PHRF: This is the PHRF used in this race. It was adjusted in the previous race. At the beginning of the season it is the same as Base PHRF

Base PHRF is assigned at the beginning of the season

DIV Correction Factor is a calculation of the handicap based on PHRF
Correction Factor = A/(B+ PHRF)

- Where "B" is a wind factor MAST uses an average wind number (550).
- "A" is adjusted so the Correction Factor equals 1.0 for the average boat competing in the division fleet.
- Correction Factor = 720/ (550+PHRF)

Code: CB, DNF, DNC appear here

DIV 10 minutes: Spinnaker corrections are calculated per 10 minutes sailed. This converts DIV PHRF Time to number of 10-minute segments using the formula =([@[DIV PHRF Time]]*1440)/10

DIV PHRF Time calculated with =[@[Elapsed Time]]*[@[DIV Correction Factor]]+ Penalty time

DIV Spin Decimal: Boats who do NOT declare a spinnaker will be have 13.848 sec. for each 10 minutes sailed deducted from their time. This calculates the penalty by the fraction of an hour using the formula =([@[DIV 10 minutes]]*13.848)/60

DIV Spin Correction: This calculates the adjustment in seconds using the formula =[@[DIV Spin Decimal]]/1440

PHRF Adjust:

- Division: Yachts finishing 1st, 2nd, and 3rd in their division have their PHRF rating reduced by 9, 6, or 3 seconds respectively. The 4th place boat's PHRF is not adjusted. All other boats who competed in the race have their PHRFs increased by 2 seconds. This adjustment is made within individual divisions - comparing a Division 1 boat to a Division 2 boat isn't meaningful.
- Fleet (MAST Cup): Yachts finishing 1st, 2nd, 3rd ,4th, 5th and 6th in the fleet have their PHRF rating reduced by 18, 15, 12, 9, 6, and 3 seconds respectively. The 7th, 8th, and 9th place boats' PHRFs are not adjusted. All other boats who competed in the race have their PHRFs increased by 4 seconds.

DIV Corrected Time = This is the final time for the race calculated with the formula =[@[DIV PHRF Time]]+[@[DIV Spin Correction]]+[@Penalty]

New PHRF: This is the PHRF used for the next race.

Start	Boat Name	DIV	HCP	DIV Pre-race PHRF	Spin	Code	Penalty	Finish Time	Start Time	Elapsed Time	DIV Correction Factor	DIV PHRF Time	DIV 10 minutes	DIV Spin Decimal	DIV Spin Correction	DIV Corrected Time	DIV Points	DIV PHRF Adjust	Div New PHRF
6:30	Anafi	1	117	117	N			19:41:13	18:30:00	1:11:13	0.9685157	1:08:58	6.90	1.59	0.0011055	1:07:23	1	-9	108
6:30	Sabotage	1	69	69	N			19:37:44	18:30:00	1:07:44	1.0436187	1:10:41	7.07	1.63	0.001133	1:09:03	2	-6	63
6:30	Perfect 10	1	84	84	N			19:43:36	18:30:00	1:13:36	1.0189274	1:15:00	7.50	1.73	0.001202	1:13:16	3	-3	81
6:30	Silvergirl	1	108	108	N			19:50:30	18:30:00	1:20:30	0.9817629	1:19:02	7.90	1.82	0.0012667	1:17:12	4	0	108
6:30	Antonia	1	126	126	N			19:56:49	18:30:00	1:26:49	0.9556213	1:22:58	8.30	1.91	0.0013297	1:21:03	5	2	128
6:30	Blue Pearl	1	96	96	N			19:53:53	18:30:00	1:23:53	1	1:23:53	8.39	1.94	0.0013445	1:21:57	6	2	98
6:30	The 19th Hole	1	75	75	N			19:58:56	18:30:00	1:28:56	1.0336	1:31:55	9.19	2.12	0.0014733	1:29:48	7	2	77

*A division scoring report is shown here. Fleet scoring uses the same calculations.