

2020 MAST Race Results - Race 1

Division Results

2020 MAST Racing Division Results - Race 1

Race Course: W/L .78 miles 150 degrees

Course Conditions: Winds 2 -6 Waves 0 -1

Start	Boat	DIV	Base PHRF	DIV Pre-race PHRF	Finish Time	Start Time	Elapsed Time	DIV Correction Factor	DIV PHRF Time	Spin	DIV 10 minutes	DIV Spin Decimal	DIV Spin Correction	Code	Penalty	DIV Corrected Time	DIV Points	DIV PHRF Adjust	Div New PHRF
3rd - 6:30	Anafi	1	114	114	19:06:24	18:30:00	0:36:24	1.08434	0:39:28	N	3.95	0.00	0:00:00		00:00	0:39:28	0.75	-9	105
3rd - 6:30	Rogue	1	51	51	19:06:35	18:30:00	0:36:35	1.19800	0:43:50	N	4.38	0.00	0:00:00		00:00	0:43:50	2	-6	45
3rd - 6:30	Silvergirl	1	108	108	19:10:19	18:30:00	0:40:19	1.09422	0:44:07	N	4.41	0.00	0:00:00		00:00	0:44:07	3	-3	105
3rd - 6:30	Austral	1	120	120	19:20:57	18:30:00	0:50:57	1.07463	0:54:45	N	5.48	0.00	0:00:00		00:00	0:54:45	4	0	120
3rd - 6:30	Blue Pearl	1	93	93	19:19:49	18:30:00	0:49:49	1.11975	0:55:47	N	5.58	0.00	0:00:00		00:00	0:55:47	5	2	95
3rd - 6:30	Eclipse	1	126	126	19:22:37	18:30:00	0:52:37	1.06509	0:56:02	N	5.60	0.00	0:00:00		00:00	0:56:02	6	2	128
3rd - 6:30	Skelday	1	102	102	19:32:48	18:30:00	1:02:48	1.10429	1:09:21	N	6.93	0.00	0:00:00		00:00	1:09:21	7	2	104
3rd - 6:30	Antonia	1	126	126	19:36:29	18:30:00	1:06:29	1.06509	1:10:49	N	7.08	0.00	0:00:00		00:00	1:10:49	8	2	128
3rd - 6:30	Wanderer	1	108	108	19:39:57	18:30:00	1:09:57	1.09422	1:16:32	N	7.65	0.00	0:00:00		00:00	1:16:32	9	2	110
3rd - 6:30	The 19th Hole	1	75	75	19:37:07	18:30:00	1:07:07	1.15200	1:17:19	N	7.73	0.00	0:00:00		00:00	1:17:19	10	2	77
3rd - 6:30	Bandito	1	108	108	20:14:58	18:30:00	1:44:58	1.09422	1:54:51	N	11.49	0.00	0:00:00		00:00	1:54:51	11	2	110
3rd - 6:30	Vela	1	90	90	22:00:00	18:30:00	3:30:00	1.12500	3:56:15	N	23.63	0.00	0:00:00	DNF	00:00	3:56:15	13	2	92
3rd - 6:30	Berserkir	1	0	0	23:00:00	18:30:00	4:30:00	1.30909	5:53:27	N	35.35	0.00	0:00:00	DNC	00:00	5:53:27	14	0	0
3rd - 6:30	Snowballs Chance	1	126	126	23:00:00	18:30:00	4:30:00	1.06509	4:47:34	N	28.76	0.00	0:00:00	DNC	00:00	4:47:34	14	0	126
2nd - 6:25	Nautical Sun	2	144	144	18:54:00	18:25:00	0:29:00	1.03746	0:30:05	N	3.01	0.00	0:00:00		00:00	0:30:05	0.75	-9	135
2nd - 6:25	Rum Line	2	132	132	18:25:00	18:25:00	0:00:00	1.05572	0:00:00	N	0.00	0.00	0:00:00	CB	00:00	0:00:00	1	0	132
2nd - 6:25	Tibateau	2	141	141	19:02:42	18:25:00	0:37:42	1.04197	0:39:17	N	3.93	0.00	0:00:00		00:00	0:39:17	2	-6	135
2nd - 6:25	Wild Goose	2	138	138	19:07:30	18:25:00	0:42:30	1.04651	0:44:29	N	4.45	0.00	0:00:00		00:00	0:44:29	3	-3	135
2nd - 6:25	Cattywampus	2	132	132	19:09:20	18:25:00	0:44:20	1.05572	0:46:48	N	4.68	0.00	0:00:00		00:00	0:46:48	4	0	132
2nd - 6:25	Amok	2	153	153	19:10:47	18:25:00	0:45:47	1.02418	0:46:53	N	4.69	0.00	0:00:00		00:00	0:46:53	5	2	155
2nd - 6:25	Firewater	2	159	159	19:28:28	18:25:00	1:03:28	1.01551	1:04:27	N	6.45	0.00	0:00:00		00:00	1:04:27	6	2	161
2nd - 6:25	Athena	2	147	147	22:00:00	18:25:00	3:35:00	1.03300	3:42:06	N	22.21	0.00	0:00:00	DNF	00:00	3:42:06	10	2	149
2nd - 6:25	Caravel	2	159	159	22:00:00	18:25:00	3:35:00	1.01551	3:38:20	N	21.83	0.00	0:00:00	DNF	00:00	3:38:20	10	2	161
2nd - 6:25	Footprints	2	156	156	22:00:00	18:25:00	3:35:00	1.01983	3:39:16	N	21.93	0.00	0:00:00	DNF	00:00	3:39:16	10	2	158
2nd - 6:25	Mirasol	2	141	141	23:00:00	18:25:00	4:35:00	1.04197	4:46:32	N	28.65	0.00	0:00:00	DNC	00:00	4:46:32	13	0	141
2nd - 6:25	SOGO	2	132	132	23:00:00	18:25:00	4:35:00	1.05572	4:50:19	N	29.03	0.00	0:00:00	DNC	00:00	4:50:19	13	0	132
2nd - 6:25	Usual Suspects	2	153	153	23:00:00	18:25:00	4:35:00	1.02418	4:41:39	N	28.17	0.00	0:00:00	DNC	00:00	4:41:39	13	0	153
1st - 6:20	Wild Card	3	168	168	18:50:30	18:20:00	0:30:30	1.00279	0:30:35	N	3.06	0.00	0:00:00		00:00	0:30:35	0.75	-9	159
1st - 6:20	BeBop	3	175	175	18:51:06	18:20:00	0:31:06	0.99310	0:30:53	N	3.09	0.00	0:00:00		00:00	0:30:53	2	-6	169
1st - 6:20	Aequitas	3	165	165	18:52:32	18:20:00	0:32:32	1.00699	0:32:46	N	3.28	0.00	0:00:00		00:00	0:32:46	3	-3	162
1st - 6:20	Borealis	3	168	168	18:53:14	18:20:00	0:33:14	1.00279	0:33:20	N	3.33	0.00	0:00:00		00:00	0:33:20	4	0	168
1st - 6:20	Yeah Buoy	3	192	192	18:59:09	18:20:00	0:39:09	0.97035	0:37:59	N	3.80	0.00	0:00:00		00:00	0:37:59	5	2	194
1st - 6:20	Lady Ayr	3	162	162	19:11:24	18:20:00	0:51:24	1.01124	0:51:59	N	5.20	0.00	0:00:00		00:00	0:51:59	6	2	164
1st - 6:20	Raido	3	216	216	19:19:33	18:20:00	0:59:33	0.93995	0:55:58	N	5.60	0.00	0:00:00		00:00	0:55:58	7	2	218
1st - 6:20	Juniper	3	189	189	19:17:32	18:20:00	0:57:32	0.97429	0:56:03	N	5.61	0.00	0:00:00		00:00	0:56:03	8	2	191
1st - 6:20	Sloop City	3	234	234	19:26:17	18:20:00	1:06:17	0.91837	1:00:52	N	6.09	0.00	0:00:00		00:00	1:00:52	9	2	236
1st - 6:20	Stimulus	3	279	279	19:33:23	18:20:00	1:13:23	0.86852	1:03:44	N	6.37	0.00	0:00:00		00:00	1:03:44	10	2	281
1st - 6:20	Anticipation	3	177	177	23:00:00	18:20:00	4:40:00	0.99037	4:37:18	N	27.73	0.00	0:00:00	DNC	00:00	4:37:18	15	0	177
1st - 6:20	Carina	3	165	165	23:00:00	18:20:00	4:40:00	1.00699	4:41:57	N	28.20	0.00	0:00:00	DNC	00:00	4:41:57	15	0	165
1st - 6:20	Cool Change	3	177	177	23:00:00	18:20:00	4:40:00	0.99037	4:37:18	N	27.73	0.00	0:00:00	DNC	00:00	4:37:18	15	0	177
1st - 6:20	Jamboree	3	255	255	23:00:00	18:20:00	4:40:00	0.89441	4:10:26	N	25.04	0.00	0:00:00	DNC	00:00	4:10:26	15	0	255
1st - 6:20	Minnehaha	3	252	252	23:00:00	18:20:00	4:40:00	0.89776	4:11:22	N	25.14	0.00	0:00:00	DNC	00:00	4:11:22	15	0	252

2020 MAST Race Results - Race 1

Fleet Results

Race Course: W/L .78 miles 150 degree

Course Conditions: Winds 2 -6 Waves 0 -1

Boat2	Fleet Pre Race PHRH	Fleet Elapsed Time	Fleet Correction Factor	Fleet PHRF Time	Fleet 10 Minute	Fleet Spin Decimal	Fleet Spin Correction	Code2	Penalty2	Fleet Corrected Time	Fleet Points	Fleet PHRF Adjust	Fleet New PHRF
Nautical Sun	144	0:29:00	1.03746	0:30:05	0:12:27	16:39:56	0:00:00		0:00:00	0:30:05	0.75	-18	126
Rum Line	132	0:00:00	1.05572	0:00:00	0:00:00	0:00:00	0:00:00	CB	0:00:00	0:00:00	1	0	132
Wild Card	168	0:30:30	1.00279	0:30:35	1:24:14	16:56:30	0:00:00		0:00:00	0:30:35	2	-15	153
BeBop	175	0:31:06	0.99310	0:30:53	2:07:31	17:06:29	0:00:00		0:00:00	0:30:53	3	-12	163
Aequitas	165	0:32:32	1.00699	0:32:46	6:37:34	18:08:49	0:00:00		0:00:00	0:32:46	4	-9	156
Borealis	168	0:33:14	1.00279	0:33:20	7:58:56	18:27:36	0:00:00		0:00:00	0:33:20	5	-6	162
Yeah Buoy	177	0:39:09	0.99037	0:38:46	21:03:19	21:28:38	0:00:00		0:00:00	0:38:46	6	-3	174
Tibateau	141	0:37:42	1.04197	0:39:17	22:16:38	21:45:33	0:00:00		0:00:00	0:39:17	7	0	141
Anafi	114	0:36:24	1.08434	0:39:28	22:43:40	21:51:47	0:00:00		0:00:00	0:39:28	8	0	114
Rogue	51	0:36:35	1.19800	0:43:50	9:11:05	0:16:36	0:00:00		0:00:00	0:43:50	9	0	51
Silvergirl	108	0:40:19	1.09422	0:44:07	9:52:38	0:26:11	0:00:00		0:00:00	0:44:07	10	4	112
Wild Goose	138	0:42:30	1.04651	0:44:29	10:44:39	0:38:12	0:00:00		0:00:00	0:44:29	11	4	142
Cattywampus	132	0:44:20	1.05572	0:46:48	16:19:42	1:55:31	0:00:00		0:00:00	0:46:48	12	4	136
Amok	153	0:45:47	1.02418	0:46:53	16:32:14	1:58:25	0:00:00		0:00:00	0:46:53	13	4	157
Lady Ayr	162	0:51:24	1.01124	0:51:59	4:44:46	4:47:29	0:00:00		0:00:00	0:51:59	14	4	166
Austral	120	0:50:57	1.07463	0:54:45	11:24:19	6:19:42	0:00:00		0:00:00	0:54:45	15	4	124
Blue Pearl	93	0:49:49	1.11975	0:55:47	13:52:39	6:53:56	0:00:00		0:00:00	0:55:47	16	4	97
Raido	216	0:59:33	0.93995	0:55:58	14:20:14	7:00:18	0:00:00		0:00:00	0:55:58	17	4	220
Eclipse	126	0:52:37	1.06509	0:56:02	14:29:58	7:02:33	0:00:00		0:00:00	0:56:02	18	4	130
Juniper	189	0:57:32	0.97429	0:56:03	14:31:48	7:02:58	0:00:00		0:00:00	0:56:03	19	4	193
Sloop City	234	1:06:17	0.91837	1:00:52	2:05:38	9:43:06	0:00:00		0:00:00	1:00:52	20	4	238
Stimulus	279	1:13:23	0.86852	1:03:44	8:57:47	11:18:14	0:00:00		0:00:00	1:03:44	21	4	283
Firewater	159	1:03:28	1.01551	1:04:27	10:41:00	11:42:03	0:00:00		0:00:00	1:04:27	22	4	163
Skelday	102	1:02:48	1.10429	1:09:21	22:26:21	14:24:51	0:00:00		0:00:00	1:09:21	23	4	106
Antonia	126	1:06:29	1.06509	1:10:49	1:56:44	1:63	0:00:00		0:00:00	1:10:49	24	4	130
Wanderer	108	1:09:57	1.09422	1:16:32	15:41:55	18:23:51	0:00:00		0:00:00	1:16:32	25	4	112
The 19th Hole	75	1:07:07	1.15200	1:17:19	17:33:51	18:49:42	0:00:00		0:00:00	1:17:19	26	4	79
Bandito	108	1:44:58	1.09422	1:54:51	11:39:26	15:37:18	0:00:00		0:00:00	1:54:51	27	4	112
Athena	147	3:35:00	1.03300	3:42:06	5:01:38	3:01:22	0:00:00	DNF	0:00:00	3:42:06	32	4	151
Caravel	159	3:35:00	1.01551	3:38:20	20:00:20	0:56:26	0:00:00	DNF	0:00:00	3:38:20	32	4	163
Footprints	156	3:35:00	1.01983	3:39:16	22:13:56	1:27:16	0:00:00	DNF	0:00:00	3:39:16	32	4	160
Vela	90	3:30:00	1.12500	3:56:15	15:00:00	10:51:49	0:00:00	DNF	0:00:00	3:56:15	32	4	94
Anticipation	177	4:40:00	0.99037	4:37:18	17:31:46	9:36:15	0:00:00	DNC	0:00:00	4:37:18	42	0	177
Berserkir	0	4:30:00	1.30909	5:53:27	8:17:27	3:47:08	0:00:00	DNC	0:00:00	5:53:27	42	0	0
Carina	165	4:40:00	1.00699	4:41:57	4:41:57	12:10:56	0:00:00	DNC	0:00:00	4:41:57	42	0	165
Cool Change	177	4:40:00	0.99037	4:37:18	17:31:46	9:36:15	0:00:00	DNC	0:00:00	4:37:18	42	0	177
Jamboree	255	4:40:00	0.89441	4:10:26	1:02:37	18:43:15	0:00:00	DNC	0:00:00	4:10:26	42	0	255
Minnehaha	252	4:40:00	0.89776	4:11:22	3:17:30	19:14:23	0:00:00	DNC	0:00:00	4:11:22	42	0	252
Mirasol	141	4:35:00	1.04197	4:46:32	15:41:56	14:43:15	0:00:00	DNC	0:00:00	4:46:32	42	0	141
Snowballs Chance	126	4:30:00	1.06509	4:47:34	18:10:39	15:17:35	0:00:00	DNC	0:00:00	4:47:34	42	0	126
SOGO	132	4:35:00	1.05572	4:50:19	0:46:27	16:48:56	0:00:00	DNC	0:00:00	4:50:19	42	0	132
Usual Suspects	153	4:35:00	1.02418	4:41:39	3:57:37	12:00:42	0:00:00	DNC	0:00:00	4:41:39	42	0	153

2020 MAST Race Results - Race 1

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 in the fleet.
- Correction Factor = $720 / (550 + PHRF)$

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 Spin Decimal: Boats choosing to fly a spinnaker will be penalized 13.848 sec. for each 10 minutes sailed. 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 penalty 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 PHRF Time calculated with

$$= ([@Elapsed Time] * [@DIV Correction Factor])$$

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.

2020 MAST Racing Division Results - Race 1

Start	Boat	DIV	Base PHRF	DIV Pre-race PHRF	Finish Time	Start Time	Elapsed Time	DIV Correction Factor	DIV PHRF Time	Spin	DIV 10 minutes	DIV Spin Decimal	DIV Spin Correction	Code	Penalty	DIV Corrected Time	DIV Points	DIV PHRF Adjust	Div New PHRF
1st - 6:20	Jamboree	3	255	255	19:24:15	18:20:00	1:04:15	0.89441	0:57:28	Y	5.75	1.33	0:01:20		00:00	0:58:48	0.75	-9	246
1st - 6:20	Minnehaha	3	252	252	19:24:15	18:20:00	1:04:15	0.89776	0:57:41	Y	5.77	1.33	0:01:20		00:00	0:59:01	2	-6	246
1st - 6:20	Poggy*	3	222	222	19:24:15	18:20:00	1:04:15	0.93264	0:59:55	Y	5.99	1.38	0:01:30		00:00	1:01:18	3	-3	219
1st - 6:20	Anticipation	3	177	177	19:24:15	18:20:00	1:04:15	0.99037	1:03:38	Y	6.36	1.47	0:01:28		00:00	1:05:06	4	0	177
1st - 6:20	COOL CHANGE 4*	3	177	177	19:24:15	18:20:00	1:04:15	0.99037	1:03:38	Y	6.36	1.47	0:01:28		00:00	1:05:06	2	0	179
1st - 6:20	Borealis	3	168	168	19:24:15	18:20:00	1:04:15	1.00279	1:04:26	Y	6.44	1.49	0:01:29		00:00	1:05:55	2	0	170

Code: CB, DNF, DNC appear here

Penalty: adjustments for starting early or other penalties

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