



My Rating: _____

My Start Time: _____

GBCA

2019 TGIF Series Sailing Instructions

Galveston Bay

April 19, July 12, August 16, September 13

1500 Marina Bay Dr. Building 113B, Clear Lake Shores, TX 77565

I. Introduction

The TGIF Series will consist of four (4) "unofficial" races. The dates of the races are listed in Section VIII. The start is staggered, based on the handicap starting time provided in Attachment #1.

II. Start / Finish Line

The Start/Finish line will be between Clear Lake Entrance Marker #1 and Marker # 2, located in Galveston Bay. See Section V for course descriptions.

N29 33.164' W094 59.551' Clear Lake Entrance Marker #2

III. Marks of the Course

NOTE: This mark is different from the mark used in the 2018 Rum Races.

- Rum Race Buoy (Red floating nun looking buoy – with a blinky light) in Galveston Bay.

N 29° 31.272' W 094° 54.840'

- "T", the 109' Morgan's Point Approach Outer High Range Marker in Galveston Bay. The mark is an orange and white structure West-Northwest of Houston Ship Channel Marker #69, at approximately

N 29° 34.671' W 094° 5 6.518' (1.17 nm South-Southeast of "E" Low Range Mark)

In the event any of these marks are missing, boats shall round the coordinates given.

IV. Starting Times

The starting times are listed in Attachment #1. Participating yachts may obtain the correct time on any WWV frequency or by calling 1-303-499-7111, or from a GPS. The start times in Attachment #1 are based on a course length of 11.25 nautical miles and are computed so that a yacht with a rating of 285 will start (base start time) at 1830 hours. If you do not find your rating in Attachment #1 or #2, you may compute your start time as follows:

Let **R** be the yacht's PHRF or GBCA Club Handicap rating and **S** be the starting time adjustment in seconds.

$$S = 12.81 \times (285 - R)$$

$$\text{Starting Time} = \text{base time} + S$$

V. Course Description

Two courses will be used for the Rum Race series. The schedule of races in Section XII gives the course to be used in each race.

Standard Course: Start between Clear Lake Channel Markers #1 and #2 and sail to " Rum Race Buoy" mark leaving it to port. Sail from Mark " Rum Race Buoy" to Mark "T" leaving it to port. Sail from Mark "T" to the finish as outlined in Section II.

Reverse Course: Start between Clear Lake Channel Markers #1 and #2 and sail to "T" Mark leaving it to starboard. Sail from Mark "T" to Mark "Rum Race Buoy" leaving it to starboard. Sail from Mark "Rum Race Buoy" to the finish as outlined in Section II.

Boats shall not enter the Houston Ship Channel. The Houston Ship Channel shall rank as an obstruction.

VI. Course heading and Distances

- Standard Course:
 - #1/#2 to "Rum Race Buoy" approximately 4.51 nm bearing approximately 113°
 - "Rum Race Buoy" to "T" approximately 3.70 nm bearing approximately 335°
 - "T" to #2 approximately 3.04 nm bearing approximately 238°
- Reverse Course:
 - #2 to "T" approximately 3.04 nm bearing approximately 058°
 - "T" to "Rum Race Buoy" approximately 3.70 nm bearing approximately 155°
 - "Rum Race Buoy" to #1/#2 approximately 4.51 nm bearing approximately 293°
- The total course length is 11.25 nautical miles

VII. Awards and Social

There are no official trophies or awards for this series.

VIII. Schedule

Scheduled race dates for the 2019 TGIF Series:

Race	Date	Course
#1	April 19	Standard
#2	July 12	Reverse
#3	August 16	Standard
#4	September 13	Reverse

Questions may be directed to Scott Tuma FleetCaptian@Gmail.com, 281.705.3712.

Attachment 2

START TIMES
Course: 11.25 nm

PHRF	Start time	PHRF	Start time	PHRF	Start time	PHRF	Start time	PHRF	Start time	PHRF	Start time
285	6:30:00 PM	238	6:38:49 PM	191	6:47:38 PM	144	6:56:26 PM	97	7:05:15 PM	50	7:14:04 PM
284	6:30:11 PM	237	6:39:00 PM	190	6:47:49 PM	143	6:56:38 PM	96	7:05:26 PM	49	7:14:15 PM
283	6:30:23 PM	236	6:39:11 PM	189	6:48:00 PM	142	6:56:49 PM	95	7:05:38 PM	48	7:14:26 PM
282	6:30:34 PM	235	6:39:23 PM	188	6:48:11 PM	141	6:57:00 PM	94	7:05:49 PM	47	7:14:38 PM
281	6:30:45 PM	234	6:39:34 PM	187	6:48:23 PM	140	6:57:11 PM	93	7:06:00 PM	46	7:14:49 PM
280	6:30:56 PM	233	6:39:45 PM	186	6:48:34 PM	139	6:57:22 PM	92	7:06:11 PM	45	7:15:00 PM
279	6:31:08 PM	232	6:39:56 PM	185	6:48:45 PM	138	6:57:34 PM	91	7:06:23 PM	44	7:15:11 PM
278	6:31:19 PM	231	6:40:08 PM	184	6:48:56 PM	137	6:57:45 PM	90	7:06:34 PM	43	7:15:23 PM
277	6:31:30 PM	230	6:40:19 PM	183	6:49:08 PM	136	6:57:56 PM	89	7:06:45 PM	42	7:15:34 PM
276	6:31:41 PM	229	6:40:30 PM	182	6:49:19 PM	135	6:58:08 PM	88	7:06:56 PM	41	7:15:45 PM
275	6:31:53 PM	228	6:40:41 PM	181	6:49:30 PM	134	6:58:19 PM	87	7:07:08 PM	40	7:15:56 PM
274	6:32:04 PM	227	6:40:53 PM	180	6:49:41 PM	133	6:58:30 PM	86	7:07:19 PM	39	7:16:07 PM
273	6:32:15 PM	226	6:41:04 PM	179	6:49:53 PM	132	6:58:41 PM	85	7:07:30 PM	38	7:16:19 PM
272	6:32:26 PM	225	6:41:15 PM	178	6:50:04 PM	131	6:58:53 PM	84	7:07:41 PM	37	7:16:30 PM
271	6:32:38 PM	224	6:41:26 PM	177	6:50:15 PM	130	6:59:04 PM	83	7:07:53 PM	36	7:16:41 PM
270	6:32:49 PM	223	6:41:38 PM	176	6:50:26 PM	129	6:59:15 PM	82	7:08:04 PM	35	7:16:53 PM
269	6:33:00 PM	222	6:41:49 PM	175	6:50:38 PM	128	6:59:26 PM	81	7:08:15 PM	34	7:17:04 PM
268	6:33:11 PM	221	6:42:00 PM	174	6:50:49 PM	127	6:59:38 PM	80	7:08:26 PM	33	7:17:15 PM
267	6:33:23 PM	220	6:42:11 PM	173	6:51:00 PM	126	6:59:49 PM	79	7:08:38 PM	32	7:17:26 PM
266	6:33:34 PM	219	6:42:23 PM	172	6:51:11 PM	125	7:00:00 PM	78	7:08:49 PM	31	7:17:38 PM
265	6:33:45 PM	218	6:42:34 PM	171	6:51:23 PM	124	7:00:11 PM	77	7:09:00 PM	30	7:17:49 PM
264	6:33:56 PM	217	6:42:45 PM	170	6:51:34 PM	123	7:00:23 PM	76	7:09:11 PM	29	7:18:00 PM
263	6:34:08 PM	216	6:42:56 PM	169	6:51:45 PM	122	7:00:34 PM	75	7:09:23 PM	28	7:18:11 PM
262	6:34:19 PM	215	6:43:08 PM	168	6:51:56 PM	121	7:00:45 PM	74	7:09:34 PM	27	7:18:23 PM
261	6:34:30 PM	214	6:43:19 PM	167	6:52:08 PM	120	7:00:56 PM	73	7:09:45 PM	26	7:18:34 PM
260	6:34:41 PM	213	6:43:30 PM	166	6:52:19 PM	119	7:01:08 PM	72	7:09:56 PM	25	7:18:45 PM
259	6:34:53 PM	212	6:43:41 PM	165	6:52:30 PM	118	7:01:19 PM	71	7:10:08 PM	24	7:18:56 PM
258	6:35:04 PM	211	6:43:53 PM	164	6:52:41 PM	117	7:01:30 PM	70	7:10:19 PM	23	7:19:07 PM
257	6:35:15 PM	210	6:44:04 PM	163	6:52:53 PM	116	7:01:41 PM	69	7:10:30 PM	22	7:19:19 PM
256	6:35:26 PM	209	6:44:15 PM	162	6:53:04 PM	115	7:01:53 PM	68	7:10:41 PM	21	7:19:30 PM
255	6:35:38 PM	208	6:44:26 PM	161	6:53:15 PM	114	7:02:04 PM	67	7:10:53 PM	20	7:19:41 PM
254	6:35:49 PM	207	6:44:38 PM	160	6:53:26 PM	113	7:02:15 PM	66	7:11:04 PM	19	7:19:53 PM
253	6:36:00 PM	206	6:44:49 PM	159	6:53:38 PM	112	7:02:26 PM	65	7:11:15 PM	18	7:20:04 PM
252	6:36:11 PM	205	6:45:00 PM	158	6:53:49 PM	111	7:02:38 PM	64	7:11:26 PM	17	7:20:15 PM
251	6:36:23 PM	204	6:45:11 PM	157	6:54:00 PM	110	7:02:49 PM	63	7:11:38 PM	16	7:20:26 PM
250	6:36:34 PM	203	6:45:23 PM	156	6:54:11 PM	109	7:03:00 PM	62	7:11:49 PM	15	7:20:38 PM
249	6:36:45 PM	202	6:45:34 PM	155	6:54:23 PM	108	7:03:11 PM	61	7:12:00 PM	14	7:20:49 PM
248	6:36:56 PM	201	6:45:45 PM	154	6:54:34 PM	107	7:03:23 PM	60	7:12:11 PM	13	7:21:00 PM
247	6:37:08 PM	200	6:45:56 PM	153	6:54:45 PM	106	7:03:34 PM	59	7:12:23 PM	12	7:21:11 PM
246	6:37:19 PM	199	6:46:08 PM	152	6:54:56 PM	105	7:03:45 PM	58	7:12:34 PM	11	7:21:23 PM
245	6:37:30 PM	198	6:46:19 PM	151	6:55:08 PM	104	7:03:56 PM	57	7:12:45 PM	10	7:21:34 PM
244	6:37:41 PM	197	6:46:30 PM	150	6:55:19 PM	103	7:04:08 PM	56	7:12:56 PM	9	7:21:45 PM
243	6:37:52 PM	196	6:46:41 PM	149	6:55:30 PM	102	7:04:19 PM	55	7:13:08 PM	8	7:21:56 PM
242	6:38:04 PM	195	6:46:53 PM	148	6:55:41 PM	101	7:04:30 PM	54	7:13:19 PM	7	7:22:08 PM
241	6:38:15 PM	194	6:47:04 PM	147	6:55:52 PM	100	7:04:41 PM	53	7:13:30 PM	6	7:22:19 PM
240	6:38:26 PM	193	6:47:15 PM	146	6:56:04 PM	99	7:04:53 PM	52	7:13:41 PM	5	7:22:30 PM
239	6:38:38 PM	192	6:47:26 PM	145	6:56:15 PM	98	7:05:04 PM	51	7:13:53 PM	4	7:22:41 PM