



# Notice of Race Rev:03/08/16

## ST. AUGUSTINE RACE WEEK

“A Race for Champions, a Race for the Children”

March 30 - April 03, 2016

<http://www.sarw2016.com>



The St. Augustine Race Week Regatta is three days of offshore and inshore sailing with the historic city of St. Augustine as the focal point of each race. Offshore courses are approximately 30 minutes from most St. Augustine Marinas. The races will include multiple W/L triangle offsets for the performance classes Thursday, Friday, and Saturday (Mariners Triangles). The Cruiser classes will have longer navigational challenges. Cruiser A's will begin with an overnight pursuit race Wednesday evening into Thursday morning (Ponce's Pursuit), then will join the Cruiser B's for Friday and Saturday. Cruiser B's will race Thursday, Friday, and Saturday. Cruiser class races will include the Conquistador's Corner (to and from a prescribed intersection of latitude and longitude), and Menendez Meander (out from the coastline to the north or to the south).

For non-oceangoing boats, inshore racing will be held north of the Vilano Bridge, and will consist of multiple buoy races Thursday and Friday, with the final race(s) each day to be held off the downtown Bayfront quay.

An associated invitational Junior Regatta (separate NoR/SI) will also be held off the downtown Bayfront quay on Saturday and Sunday. Race Week includes daily live entertainment, drinks, and food at the Event Tent adjacent to the downtown Municipal Marina. The final awards party will be held Saturday evening at the St. Augustine Yacht Club.

A Competitors' Meeting is scheduled for 1800 March 30th at the St. Augustine Yacht Club.

- 1 RULES** The First Coast Sailing Association (FCSA) is the Organizing Authority for the St. Augustine Race Week Regatta. The Regatta shall be governed by the “2013-2016 Racing Rules of Sailing” (RRS) as amended by the US Sailing Prescriptions; the PHRF rules of the FCSA ( <http://www.sailjax.com> ); and class rules for any One-Design class established.
- 2 ADVERTISING** Comply with current ISAF Regulation 20: <http://www.sailing.org/documents/regulations/isafregulations/index.php>
- 3 FEES** The Offshore Regatta Fee of **\$250 + tax** will cover three days of racing; four Bayfront Event Passes for Thursday and Friday including drink tickets and light continental breakfasts; two Awards Event Passes for Saturday at SAYC; and a Skipper's Bag with two Regatta hats and shirts, local discount coupons, and other goodies. Withdrawals after March 18 will forfeit \$100. No refunds will be made for withdrawals after March 25, and entries tendered after that are subject to rejection at the discretion of the Race Committee. Additional Award Dinner Event Passes will be \$25 + tax. The Inshore Regatta Fee of **\$150 + tax** will cover only two days of racing.
- 4 ELIGIBILITY AND ENTRY**
  - 4.1** The ocean racing is open to all seaworthy self-righting cruising sailboats that are not less than 24 feet in length. Smaller boats not less than 20 feet may be eligible on an individual basis at the discretion of the Race Committee. Non seaworthy sailboats, and those less than 30 feet are eligible for Inshore Racing.
  - 4.2** The designated skipper shall be 21 years of age or older.
  - 4.3** Minimum crew size shall be 2 (including skipper).
  - 4.4** All one design classes shall comply with the maximum crew numbers in their class rules.
  - 4.5** There will be no restriction on crew changes between races. Children aged 14 and under will not count as crew.
  - 4.6** Modifying RRS Appendix G, a yacht shall have identifying symbols on each mainsail, spinnaker, and headsail having a clew that can extend behind the mast 30% or more of the mainsail foot length. The identifiers shall be the same for each sail used.
  - 4.7** Yachts shall conform to all U.S. Federal regulations. **Revised:** *Additionally, it is strongly recommended that yachts also conform to Category 4 requirements of the latest “The World Sailing Offshore Special Regulations Governing Offshore Racing”.* <http://www.sailing.org/specialregs>
  - 4.8** All participating yachts shall be provisioned with the following:
    - a)** Radio – a 5 watt minimum VHF transmitter / receiver with a manufacturer's recommended antenna (masthead preferred). The radio must at least be capable of tuning to channels 9, 13, 16, 22A, 68, 69, 71, 72, and 78A.
    - b)** GPS – a GPS device at least capable of displaying real-time latitude and longitude location data.
- 5 SELF-STEERING** Cruising Class yachts may be sailed with assistance of self-steering gear, electric or wind (modifies RRS 52).
- 6 ENTRY FORMS AND OTHER DOCUMENTATION** Prior to racing, each yacht shall be registered and shall submit (1) the proper Fee; (2) a Crew Declaration form including a landside emergency contact (which may be updated at the Competitors' Meeting); and (3) a copy of a current PHRF certificate or similar (if not issued by FCSA) for possible adjustment to conform to FCSA ratings. Register and obtain forms at ( <http://www.sarw2016.com> ) or link from ( <http://www.sailjax.com> ).
- 7 CLASSES AND DIVISIONS** The Regatta will include one PHRF Performance and two PHRF Cruising Classes (A and B), each sub-divided into Spinnaker and Non-Spinnaker Divisions; also Multi-hull and One Design Classes as appropriate. Five entrants are required to establish a Class or Division. Yachts using non-Dacron sail materials must compete in the Performance Class. Cruising spinnaker yachts must declare prior to the Competitors' Meeting, with the FCSA standard rating adjustment applied for all races.
- 8 PRIZES** Trophy flags for individual races will be awarded for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place finishers in each class or division of class. Regatta trophies will be awarded for overall 1<sup>st</sup> thru 3<sup>rd</sup> place in each class. A trophy will also be awarded to the FCSA Member Club with the best overall performance.
- 9 SAILING INSTRUCTIONS** Obtain SI's and scratch sheets from the regatta website or at the Competitors' Meeting.

Race Committee questions: Adam Norwood (904) 398-7343. Event/Venue questions: Dan Floryan (904) 687-5145.



## REVISION 1:

### SAILING INSTRUCTIONS - Offshore

### ST. AUGUSTINE RACE WEEK

March 30<sup>th</sup> thru April 3<sup>rd</sup> 2016

**“A Race for Champions, a Race for the Children”**



### REVISION 1

The originally designed division ‘Cruiser A Class’ has been vacated. There were not enough participants to create a division in accordance with the Notice of Race, section 7.

Thus, there will be no overnight race on Wednesday into Thursday.

All Cruiser Class yachts will be combined into the originally designed division ‘Cruiser B Class’, with all racing as detailed in the original Sailing Instructions for that division.

However, the Cruisers will be divided into two new divisions. The new divisions will be called “Cruiser Class A” (representing the lower phrf rated yachts) and “Cruiser Class B” (representing the higher phrf rated yachts.) Refer to the Scratch Sheet for your yacht’s new division designation.

Class Flag designations (per section 9) will remain in effect using the same designators for the newly formed Cruiser divisions:

“Cruiser A Class” (pink)

“Cruiser B Class” (blue)

The Start Sequence (section 10.7) is changed.

The new start order will be:

Cruiser Class B, Cruiser Class A, Spinnaker, Non-Spinnaker.

*Posted 18:30, March 26, 2016.*



## SAILING INSTRUCTIONS - Offshore

### ST. AUGUSTINE RACE WEEK

March 30<sup>th</sup> thru April 3<sup>rd</sup> 2016

“A Race for Champions, a Race for the Children”

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#### 1 **RULES**

1.1 The St. Augustine Race Week Offshore Series shall be governed by the “2013-2016 Racing Rules of Sailing” (RRS); the PHRF rules of the First Coast Sailing Association ( [www.sailjax.com](http://www.sailjax.com)); and class rules for any One-Design class established. The First Coast Sailing Association (FCSA) is the Organizing Authority for this Series. The St. Augustine Yacht Club will host the final awards ceremonies on Saturday evening.

#### 1.2 **ALTERATIONS TO THE RULES**

The following sections of these Sailing Instructions alter provisions of the RRS:

1.2.1 Failure to start within time limit – Sailing Instructions 10.7.3

1.2.2 Time limit – Sailing Instructions 12

1.2.3 Establishment of arbitration procedures – Sailing Instructions 14.3

1.2.4 Steering Assistance – Notice of Race 5

1.2.5 Competitors shall display Regatta Burgee – Sailing Instructions 5

1.2.6 Even if not racing, if the Race Committee observes a participating yacht obstructing the passage of a vessel not involved in the Regatta and in violation of the International Regulations for Preventing Collisions at Sea, the Race Committee may proceed against the yacht under RRS 60.2.

1.3 **TIME** - All published times used in association with the race will be Eastern Daylight Saving Time (UTC minus 4 hours) in 24-hour format. Official Race Committee time will be synchronized with the US Naval Observatory Master Clock telephone voice announcer: 202-762-1401 or 202-762-1069.

#### 1.4 **USE OF ENGINE**

1.4.1 In accordance with RRS 42.3(i) - In an emergency, an engine or other means of propulsion may be used when appropriate to avoid collision or in grave emergency. Full details shall be given to the Protest Committee who, after a hearing, may impose a penalty.

1.4.2 An engine may be used to supply power for charging batteries, pumping, weighing anchor, or other necessary purposes, provided mechanical propulsion is not engaged.

2 **RADIO COMMUNICATION** - The Race Committee will monitor VHF 72 during races, and may, as the circumstances dictate, communicate with a yacht while racing. (VHF 78 will be used as a secondary channel should local interference become a problem.)

3 **SIGNALS MADE ASHORE** - No signals will be made ashore. Yachts should monitor VHF 72 prior to leaving dock on days of adverse weather in case the Race Committee declares postponement or abandonment.

#### 4 **NOTICES TO COMPETITORS**

4.1 Prior to the Wednesday Skippers' Meeting, Notices to Competitors will be posted on the regatta registration website (link thru <http://www.sarw2016.com/> ). After that, duplicates and new Notices will be posted on the City Marina office door. Whenever possible, notice of changes to the Sailing Instructions and other general information (such as abandonment due to adverse weather) will be given on VHF 72.

4.2 All VHF announcements are only an aid to competitors and are supplementary to any flag signals or official notices. Failure to make any announcement via VHF will not be grounds for redress.

5 **REGATTA BURGEES** - While racing, each yacht shall fly from her backstay or her starboard shroud (if no backstay) the official Race Week burgee, to be distributed along with each Skipper's Bag when registering (modifies RRS Prescriptions 56).

**6 RACING AREA** - The racing area will be in the Atlantic Ocean as depicted on NOAA Chart 11480.

**7 SCHEDULE OF THE RACES** - The first warning signal for each day's racing will be at 1025 for Cruiser Classes; Performance classes will start immediately thereafter. The overnight pursuit race for Cruiser Class A will start at 2200 Wednesday; individual start times will be announced at the Competitor's meeting.

**8 COURSES** - The courses for Performance and One-Design Classes will be the same each day (refer to 8.1). Each day's Cruiser Class course will be posted on the starboard side of the RC boat once on station at the start line. The course for the Wednesday overnight race will be announced at the Competitors' Meeting. Each day's start area will be in the vicinity of the St. Augustine Entrance Buoy 'STA' @ N 29° 54.912' – W 81° 15.280'. Wind direction and sea conditions will determine precise start locations.

**8.1 Race: Performance Triangle** – two races are planned each day for Performance and One-Design Classes.

Course: 45-45-90 triangle course with a maximum W/L leg of 2.0 NM; consisting of three inflated buoys ('A', 'B', and 'C') and a start/finish line leeward of 'C' (see course sketch). Round marks to port. Start at the RC boat with pin to port; finish at the RC boat with pin to starboard. Mark 'C' will not be considered a 'mark of the course' on the first windward leg, nor on the final finishing leg.

- One-Design Classes (3x W/L)                      *Start (Pin/RC) – A – C – A – C – A – Finish (RC/Pin)*
- Spinnaker Class: (Triangle + 2x W/L)              *Start (Pin/RC) – A – B – C – A – C – A – Finish (RC/Pin)*
- Non-Spinnaker Class: (Triangle + 1x W/L)        *Start (Pin/RC) – A – B – C – A – Finish (RC/Pin)*

**8.2 Race 1: "Scout and Back"** – Wednesday overnight race for Cruiser A; and Thursday race for Cruiser B.

Wednesday Night Pursuit Start... Each yacht will be assigned a start time based on its PHRF handicap, with the first start for the slowest rated yacht at 22:00:00. The course and the individual start times will be published at the Competitors' Meeting. No yacht shall start prior to its published individual start time as synchronized with USNO time (refer to 1.3). A yacht shall have started when it is within 200 feet of the St. Augustine entrance buoy 'STA', and 'STA' bears 180° magnetic. Rule 30.1 shall not be in effect.

Thursday Start... between the RC boat and the Performance Triangle buoy 'C', in the direction heading most away from land, or as directed by the Race Committee.

Head... easterly to designated 'Course' longitude.

'Turn'... at the designated longitude. A yacht must cross and 'turn' at the designated longitude line before finishing. Each yacht shall record in her log the lat / lon and time at this 'turn'.

Finish... at the St. Augustine Entrance Buoy 'STA', when within 100 feet of 'STA', and 'STA' bears 090° M.

Course	Longitude	NM from STA	Course	Longitude	NM from STA
'K'	W 81° 08.000'	6.327	'Q'	W 80° 55.000'	17.624
'L'	W 81° 06.000'	8.065	'Y'	W 80° 50.000'	21.969
'M'	W 81° 04.000'	9.803	'Z'	W 80° 45.000'	26.315

**8.3 Race 2: "Conquistador's Corner"** – Friday race for both Cruiser Class A and Cruiser Class B.

Start... between the RC boat and the Performance Triangle buoy 'C', in the direction heading most away from land, or as directed by the Race Committee.

Head... Northeast (about 045°) or Southeast (about 135°) to the designated 'Course' lat / lon corner.

'Turn'... at the designated latitude AND at the designated longitude. A yacht need not go to the lat / lon point itself, but she must cross both the latitude line and the longitude line before finishing. Each yacht shall record in her log the lat / lon and time at these 'turns'.

Finish... at the St. Augustine Entrance Buoy 'STA', when within 100 feet of 'STA', and 'STA' bears 090° M.

Course	North Corner Location	NM from STA	Course	South Corner Location	NM from STA
'F'	N 30° 06.0' : W 81° 05.0'	14.213	'T'	N 29° 44.0' : W 81° 05.0'	14.087
'G'	N 30° 04.0' : W 81° 07.0'	11.571	'V'	N 29° 46.0' : W 81° 07.0'	11.441
'H'	N 30° 02.0' : W 81° 09.0'	8.930	'W'	N 29° 48.0' : W 81° 09.0'	8.796
'J'	N 30° 00.0' : W 81° 11.0'	6.292	'X'	N 29° 50.0' : W 81° 11.0'	6.153

#### 8.4 Race 3: “Pedro’s Passage” – Saturday race for both Cruiser Class A and Cruiser Class B.

Start... between the RC boat and the Performance Triangle buoy ‘C’, in the direction heading most away from land, or as directed by the Race Committee.

Head... from the start line to the designated ‘Course’ lines of latitude. The Race Committee will designate the course and an initial heading by displaying two letters: the course designator letter and an ‘N’ or an ‘S’ to indicate the first designated latitude line to cross. For example: ‘D N’ will indicate course ‘D’, with the requirement that yachts shall cross the designated North latitude line first, before crossing the designated South latitude line.


Turn... at the designated latitudes. A yacht must cross and ‘turn’ at both the designated North and South latitude lines before finishing. Each yacht shall record in her log the lat / lon and time at these ‘turns’.

Finish... at the St. Augustine Entrance Buoy ‘STA’, when within 100 feet of ‘STA’, and ‘STA’ bears 090° M.

Course	Latitude S	&	Latitude N	~ Distance
‘P’	N 29° 48.0’	&	N 30° 02.0’	28.0
‘E’	N 29° 49.0’	&	N 30° 01.0’	24.0
‘D’	N 29° 50.0’	&	N 30° 00.0’	20.0
‘R’	N 29° 51.0’	&	N 29° 59.0’	16.0
‘O’	N 29° 52.0’	&	N 29° 58.0’	12.0

<b>9</b>	<b><u>CLASS FLAGS</u></b>	Cruiser (A): Pink	Spinnaker: Gold	One-Design: TBA
		Cruiser (B): Blue	Non-Spinnaker: Gray	

#### **10** **THE STARTS**

- 10.1** The starting line for Performance and One-Design Classes will connect between an orange flag displayed on the RC boat and a pin-end inflatable buoy.
- 10.2** The starting line for Cruiser Class day races will connect between an orange flag displayed on the RC boat and the leeward mark ‘C’ inflatable buoy that makes up part of the Performance Triangle course.
- 10.3** The starting line for the Cruiser Class A Overnight Race is described in section 8.2.
- 10.4** Once the RC boat is on station at the start line, each yacht shall check in with the Race Committee prior to the warning signal of the first class by sailing past the stern of the RC boat and hailing its boat name. Alternatively, yachts may hail the RC boat on VHF 72 for this purpose. Yachts failing to check in may be scored DNC.
- 10.5** A yacht shall disengage all engine propulsion systems prior to the preparatory flag for its class, or otherwise within 4 minutes of its start time (RRS definition for *Racing*.)
- 10.6** Rule 30.1 “I Flag Rule” (sometimes called the ‘Round-an-End Rule’) will be in effect for all races with a Race Committee boat on station at the start line. 
- 10.7 Start Sequence** – The start order will be Cruiser A, Cruiser B, One-Design, Spinnaker, Non-Spinnaker. Depending on Class sizes, the Race Committee may combine Cruiser Classes for a single start; they also may combine Performance Classes for a single start. One-Design Classes will start alone.
- 10.7.1** - Races will be started using RRS Rule 26: 5 minute warning signal.
- 10.7.2** - The warning signal for succeeding starts will be made quickly after the preceding class clears the line.
- 10.7.3** - Yachts that have not properly started within 10 minutes of their class start may be scored DNS.

#### **11** **THE FINISHES**

- 11.1** When the RC Boat is on station for taking finish times, the finish line will connect between a solid orange flag displayed on the RC boat and the designated finish mark.
- 11.2** When finishing during conditions of low visibility, a yacht shall make every attempt to identify itself to the RC boat by shining a light on its sail numbers, or by hailing the RC boat on VHF 72, or by other means.
- 11.3** For Cruising Class races with no RC boat on station at the finish...
- a)** Using a timepiece that is synchronized with USNO time (refer to 1.3), a yacht shall record its own finish time (to the second) as described in 8.2, 8.3, and 8.4. As a courtesy, the finishing yacht should simultaneously sound a horn to indicate it has finished racing. When possible, note the finishing times of nearby yachts.

b) As soon as practical after finishing, a yacht shall report its finish time to the Race Committee via cellular telephone text. Report boat name and finish time in the following manner: "Astral Sloop 14.32.16". In no case shall a yacht fail to report its time directly to the RC any later than 1 hour following its finish. Should reporting by text fail, the RC will also be available via VHF for this purpose.

Designated RC phone/text #: \_\_\_\_\_ to be announced at Competitors' Meeting.

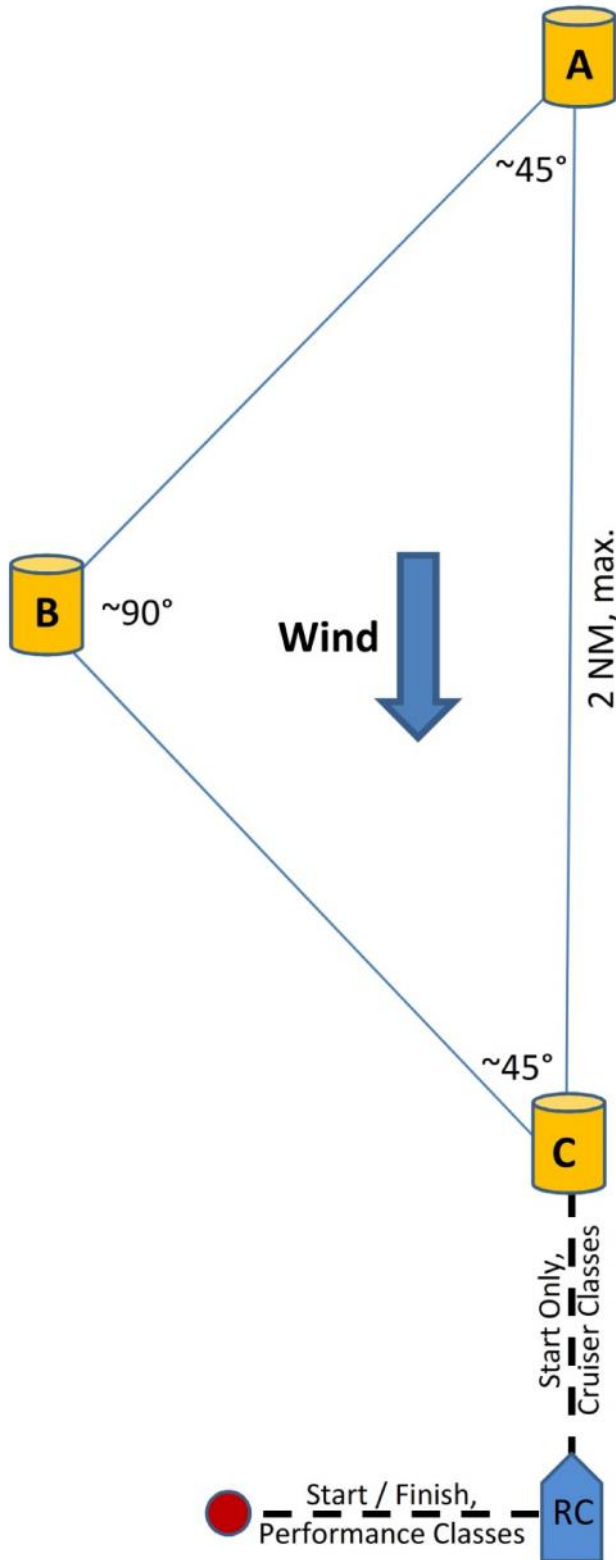
- 12** **TIME LIMITS** - Modifying RRS 35, and inclusive of the overnight Cruiser Class A race, there will be a fixed time limit for each day's Racing of 16:00:00; yachts finishing after the time limit will be scored DNF.
- 13** **REPORTING PENALTY TURNS** - A yacht that has taken a penalty under RRS 44 shall report such to the Race Committee immediately after finishing by hailing the RC boat or when otherwise reporting its finish time.
- 14** **PROTESTS AND REQUESTS FOR REDRESS**
- 14.1** A Yacht intending to file a protest shall notify the Race Committee of that intent immediately after finishing by hailing the RC boat or when otherwise reporting its finish time.
- 14.2** Protests shall be filed on an official US SAILING protest form with the Race Committee not more than 2 hours after the final yacht finishes that race.
- 14.3** ARBITRATION - For protests involving an alleged breach of the rules of Part 2 of the RRS, an optional short arbitration hearing may be held prior to proceeding with an official protest hearing (modifies RRS Part 5, B).
- 15** **SERIES SCORING**
- 15.1** Race and Series scoring will be in accordance with RRS Appendix A, Low Point System as modified here:  
DNF, RAF = number that started the race for that division  
DNS, OCS, DSQ = number that came to the starting area for that division  
DNC = number entered in the race for that division
- 15.2** Each day's scored racing will be combined to count for that day's class awards. Two days scored races are required to constitute the Series. All scored races will be combined for the Series awards.
- 15.3** Modifying RRS Appendix A2, there will be no excluded scores.
- 16** **RACE RESULTS** - Results for each race will be announced at its respective after-event party. Overall Regatta Results will also be e-mailed to the addresses given on the registration documents. Any request for clarification of the results shall be raised as soon as possible, and in any case, within 5 days of e-mail publication. Results will also be posted on the regatta registration website and on [www.sailjax.com](http://www.sailjax.com).
- 17** **RESPONSIBILITY AND LIABILITY**
- 17.1** **The safety of a yacht or sailing vessel and its crew, the decision as to whether or not to start, and having started, whether or not to continue is the sole and exclusive responsibility of each yacht's designated skipper.** *For the purpose of this section, the term "yacht" shall mean the designated skipper as representative of the owner, and in the absence of the designated skipper, members of the remaining crew.*
- 17.2** A yacht is entirely responsible for its own safety, whether afloat or ashore, and nothing, whether in the Notice of Race or Sailing Instructions or anywhere else, reduces this responsibility.
- 17.3** It is for the yacht to decide whether it is fit to sail in the conditions in which it will find itself. By going to sea the yacht confirms that it is fit for those conditions and its crew is competent to sail and compete in them.
- 17.4** The yacht is required to hold adequate insurance and in particular to hold insurance against third party claims.
- 17.5** Nothing done by the organizers can reduce the responsibility of the yacht.
- 17.6** The provision of patrol boats does not relieve the yacht of its responsibilities.
- 17.7** The yacht is responsible for ensuring that it is equipped and seaworthy so as to be able to face extremes of weather; that there is a crew sufficient in number, experience, and fitness to withstand such weather; and that the safety equipment is properly maintained, stowed, and in date and that crew members know how to use it.
- 17.8** The yacht is responsible for adhering to all local, state, federal, and international laws and regulations governing the operation in the body of waters where the race and race events shall be held. This includes conformance to the United States Coast Guard Safety Regulations.
- 17.9** Inspection of a yacht by the Race Committee does not reduce the responsibilities of the yacht set out here.

# 2016 St. Augustine Race Week – Race Course Diagram

“Theoretical” Set-up for: Performance Classes

*along with*

Cruiser Classes Start Line





# Crew Declaration

## ST. AUGUSTINE RACE WEEK

“A Race for Champions, A Race for the Children”

March 30 – April 03, 2016

<http://www.sarw2016.com>



Send to: SARW Race Committee  
 First Coast Sailing Association  
 4446 Hendricks Ave, # 227  
 Jacksonville, FL 32207

*This form must be completed and submitted to Race Committee prior to racing.*

Yacht Name \_\_\_\_\_ Sail # \_\_\_\_\_ DSC Radio # \_\_\_\_\_  
 ( optional )

Skipper's Name \_\_\_\_\_ Age \_\_\_\_\_ (must be 18 or older)

Cell Phones on Yacht \_\_\_\_\_  
 ( enter 10 digit #s )

Shore (Emergency) Contact Name \_\_\_\_\_ Phone 1 \_\_\_\_\_

Address \_\_\_\_\_ Phone 2 \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone 3 \_\_\_\_\_

	<u>CREW MEMBER</u>	<u>AGE</u>	<u>SEX</u>	<u>Crew for Which Days?</u>		
				<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>
NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME:	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note any other information the Race Committee should know in case of emergency:



# Predicted Tides, Currents, Sun, Moon - 2016 (All times EDT)

## Vilano Beach Bridge / ICW N 29 , 55.0' - W 81 , 18.0' (SE of Fish Camp Pier)

Date	Time	Height	Time	Height	Time	Height	Time	Height
27-Mar Sun			0548	0.35 L	1153	3.9 H	1746	0.27 L
28-Mar Mon	0010	4.31 H	0631	0.49 L	1231	3.71 H	1826	0.35 L
29-Mar Tue	0049	4.17 H	0722	0.57 L	1315	3.52 H	1916	0.38 L
30-Mar Wed	0135	4.01 H	0816	0.55 L	1405	3.37 H	2014	0.33 L
31-Mar Thu	0230	3.89 H	0910	0.44 L	1504	3.30 H	2112	0.19 L
1-Apr Fri	0332	3.84 H	1004	0.25 L	1607	3.35 H	2210	0.00 L
2-Apr Sat	0438	3.91 H	1059	0.00 L	1711	3.56 H	2311	-0.25 L
3-Apr Sun	0541	4.09 H	1155	-0.29 L	1810	3.91 H		

ML/LW predicitions (ref: chart datum in feet)

4.25' Mean Range

## St. Augustine City Dock N 29 , 53.5' - W 81 , 18.6' (Municipal Marina)

Date	Time	Height	Time	Height	Time	Height	Time	Height
27-Mar Sun			0553	0.31 L	1148	4.22 H	1751	.32 L
28-Mar Mon	0009	4.55 H	0633	0.49 L	1227	4.1 H	1829	0.46 L
29-Mar Tue	0048	4.46 H	0718	0.65 L	1308	4.01 H	1914	0.57 L
30-Mar Wed	0132	4.39 H	0809	0.74 L	1354	3.95 H	2007	0.64 L
31-Mar Thu	0223	4.35 H	0906	0.74 L	1447	3.95 H	2109	0.61 L
1-Apr Fri	0322	4.37 H	1004	0.62 L	1548	4.04 H	2213	0.48 L
2-Apr Sat	0428	4.46 H	1102	0.39 L	1652	4.24 H	2316	0.23 L
3-Apr Sun	0533	4.64 H	1158	0.07 L	1755	4.56 H		

ML/LW predicitions (ref: chart datum in feet)

4.48' Mean Range

## The Sun and the Moon N 29° , 54' - W 81 , 20' (St. Augustine)

Date	Sunrise	Sunset	Moonrise	Moonset	Vis %
27-Mar Sun	0720	1941	2326	0952	85
28-Mar Mon	0719	1942		1033	78
29-Mar Tue	0718	1942	0018	1116	69
30-Mar Wed	0716	1943	0109	1204	60
31-Mar Thu	0715	1944	0200	1255	50
1-Apr Fri	0714	1944	0249	1350	39
2-Apr Sat	0713	1945	0337	1449	29
3-Apr Sun	0712	1945	0423	1551	20

## St. Johns River Entrance Currents - approximates St. Augustine inlet currents timing

Date	Flood	Slack	Ebb	Slack	Flood	Slack	Ebb	Slack	Flood
27-Mar Sun		0142	0412	0836	1054	1354	1624	2024	2312
28-Mar Mon		0218	0448	0918	1136	1436	1706	2106	2354
29-Mar Tue		0300	0530	1006	1224	1512	1748	2154	
30-Mar Wed	0042	0348	0618	1054	1312	1554	1836	2242	
31-Mar Thu	0136	0442	0712	1142	1400	1648	1936	2342	
1-Apr Fri	0224	0536	0812	1236	1454	1748	2036	0036 ->	
2-Apr Sat	0318	0636	0912	1330	1548	1854	2136	0136 ->	
3-Apr Sun	0412	0730	1006	1418	1648	1954	2230		