



# Notice of Race Rev:3/3/15

## ST. AUGUSTINE RACE WEEK Celebrating a Proud Maritime Heritage

April 9—12, 2015

<http://www.sarw2015.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 the Navigator's Triangles (2 long-leg buoy races), the Conquistador's Corner (to and from a prescribed upwind intersection of latitude and longitude), and Pedro's Passage (up and down the coastline to north and south latitudes). The order of races will be announced at the Competitors' meeting. Race Week includes daily live entertainment, drinks, and food at the Event Tent adjacent to the Municipal Marina. The final awards party will be held Saturday evening at the St. Augustine Yacht Club.

An associated invitational Junior Regatta (separate NoR/SI) will also be held off the main quay downtown on Saturday and Sunday – perfect for landlubber spectators.

A Competitors' Meeting is scheduled for 1900 April 8th 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 Regatta Fee of **\$250** will cover three days of racing; four Bayfront Event Passes for Thursday and Friday including 8 beer 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 27 will forfeit \$100. No refunds will be made for withdrawals after April 03, and entries tendered after April 03 are subject to rejection at the discretion of the Race Committee. Additional daily Individual Event Passes will be \$25.

#### **4 ELIGIBILITY AND ENTRY**

**4.1** The Regatta 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.

**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. Additionally, yachts shall conform to Category 5 requirements of the latest "ISAF Offshore Special Regulations Governing Offshore Racing," (Appendix J). It is strongly recommended that yachts also conform to Category 4 requirements. <http://www.sailing.org/specialregs>

**4.8** All participating yachts shall be provisioned with the following:

**a)** Radio – a 25 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 78.

**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.sarw2015.com>) or link from (<http://www.sailjax.com>).

**7 CLASSES AND DIVISIONS** PHRF Spinnaker, Non-Spinnaker, Cruising, and Cruising Spinnaker; also Multi-hull and One Design classes as appropriate. A minimum of five entrants are required to establish a class. Yachts using performance sail materials (non-Dacron) cannot compete in Cruising Classes. If a Cruising Spinnaker Class cannot be established, Cruising yachts may fly a spinnaker if declared prior to the Competitors' Meeting, but with the FCSA standard Non-Spinnaker adjustment applied for all races. If there are too few to form any One Design classes, those shall compete in the PHRF Spinnaker Class.

**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.

**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: Guy Anderson (904) 396-6382.



St. Augustine 450<sup>th</sup>  
Commemoration  
Affiliate

# Crew Declaration

## ST. AUGUSTINE RACE WEEK

### Celebrating a Proud Maritime Heritage

April 9—12, 2015

<http://www.sarw2015.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"/>
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:



**SAILING INSTRUCTIONS**  
**ST. AUGUSTINE RACE WEEK**  
April 9<sup>th</sup> thru 11<sup>th</sup>, 2015  
“Celebrating a Proud Maritime Heritage”  
[www.sarw2015.com](http://www.sarw2015.com)



**1 RULES**

- 1.1**  The St. Augustine Race Week Offshore Series (the “Series”) shall be governed by the “2013-2016 Racing Rules of Sailing” (RRS); the current “ISAF Offshore Special Regulations Governing Offshore Racing”; 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.

ISAF Cat 5 and Cat 4 Regulations: [http://offshore.ussailing.org/SAS/ISAF\\_Special\\_Regulations/Extracts.htm](http://offshore.ussailing.org/SAS/ISAF_Special_Regulations/Extracts.htm)

**1.2 ALTERATIONS TO THE RULES**

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

- 1.2.1** Recalls on VHF – Sailing Instructions 10.6 and 4.2  
**1.2.2** Failure to start within time limit – Sailing Instructions 10.5.3  
**1.2.3** Time limit – Sailing Instructions 8  
**1.2.5** Establishment of arbitration procedures – Sailing Instructions 13.3  
**1.2.6** Steering Assistance – Notice of Race 5  
**1.2.7** 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.

- 2.0 RADIO COMMUNICATION** - The Race Committee will monitor VHF Channel 71 during races, and may, as the circumstances dictate, communicate with a yacht while racing.

- 3.0 SIGNALS MADE ASHORE** - No signals will be made ashore.

**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 [www.sarw2015.com](http://www.sarw2015.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 Channel 71.
- 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 RACING AREA** - The racing area will be in the Atlantic Ocean as depicted on NOAA Chart 11480.

- 6 SCHEDULE OF THE RACES** - Each day’s first warning signal will be at 0955. The date order of races will be announced at the Wednesday Skippers’ Meeting.

**7 COURSES** - The course selection each day will be based on the predicted mid-day predominant wind direction, and will be posted on the starboard side of the RC boat once on station at the start line. All coordinates, courses, and distances are approximate and are intended for racing purposes only.

**7.1 Race: “Conquistador’s Corner”**

Start... at St. Augustine Entrance Buoy ‘STA’ (N 29° 54.912’ – W 81° 15.280’): *RC boat starboard, ‘STA’ port.*

Head... Northeast (about 045°) or Southeast (about 135°) to the designated lat / lon corner for your class.

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 for her respective class before finishing. Each yacht shall record her latitude, longitude, and time at these ‘turns’.

Finish... at the St. Augustine Entrance Buoy ‘STA’.

For North courses ‘F’ thru ‘I’, finish within 100 ft of ‘STA’ to starboard as ‘STA’ bears 000° magnetic.

For South courses ‘J’ thru ‘M’, finish within 100 ft of ‘STA’ to port as ‘STA’ bears 180° magnetic.

Course	Spinnakers	total Distance	N-Spins / Cruisers	total Distance
‘F’	N 30° 08.0’ : W 81° 03.0’	33.711	N 30° 06.0’ : W 81° 05.0’	28.427
‘G’	N 30° 06.0’ : W 81° 05.0’	28.427	N 30° 04.0’ : W 81° 07.0’	23.142
‘H’	N 30° 04.0’ : W 81° 07.0’	23.142	N 30° 02.0’ : W 81° 09.0’	17.860
‘I’	N 30° 02.0’ : W 81° 09.0’	17.860	N 30° 00.0’ : W 81° 11.0’	12.583
‘J’	N 29° 42.0’ : W 81° 03.0’	33.469	N 29° 44.0’ : W 81° 05.0’	28.174
‘K’	N 29° 44.0’ : W 81° 05.0’	28.174	N 29° 46.0’ : W 81° 07.0’	22.882
‘L’	N 29° 46.0’ : W 81° 07.0’	22.882	N 29° 48.0’ : W 81° 09.0’	17.591
‘M’	N 29° 48.0’ : W 81° 09.0’	17.591	N 29° 50.0’ : W 81° 11.0’	12.306

**7.2 Race: “Pedro’s Passage”**

Start... at St. Augustine Entrance Buoy ‘STA’ (N 29° 54.912’ – W 81° 15.280’): *RC boat starboard, ‘STA’ port.*

Head... either North or South from the start line to the designated line of latitude for your class. A yacht may head to either the North latitude turn or the South latitude turn first – it is up to her.

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 her longitude and time at these ‘turns’.

Finish... at the St. Augustine Entrance Buoy ‘STA’, when she is within 100 feet of ‘STA’, and ‘STA’ bears 090° magnetic. Be very aware that other competing yachts may be finishing from the opposite direction and that Part 2 of the RRS (“When Boats Meet”) continues to apply in such situations.

Course	Spinnakers	total Distance	N-Spins / Cruisers	total Distance
‘P’	N 29° 47.0’ & N 30° 03.0’	32.000	N 29° 48.0’ & N 30° 02.0’	28.000
‘E’	N 29° 48.0’ & N 30° 02.0’	28.000	N 29° 49.0’ & N 30° 01.0’	24.000
‘D’	N 29° 49.0’ & N 30° 01.0’	24.000	N 29° 50.0’ & N 30° 00.0’	20.000
‘R’	N 29° 50.0’ & N 30° 00.0’	20.000	N 29° 51.0’ & N 29° 59.0’	16.000
‘O’	N 29° 51.0’ & N 29° 59.0’	16.000	N 29° 52.0’ & N 29° 58.0’	12.000

**7.3 Race: “Navigator’s Triangle”** – two races are planned, to be combined for a single Series score.

**Start:** in the vicinity of St. Augustine Entrance Buoy ‘STA’ @ N 29° 54.912’ – W 81° 15.280’.

**Course:** 45-45-90 triangle buoy course with 2.5 NM long leg and 1.75 NM short legs; consisting of three inflated buoys ( ‘A’, ‘B’, and ‘C’ ) and a start-line pin buoy ( ‘P’ ) about 0.5 NM windward of ‘C’ - see the Race 1 Course Sketch. Round all marks to port, unless otherwise noted.

- Spinnaker Class (10.0 NM):  $P(start) \underline{-A-C-A-C} \underline{-P(finish)}$
- Non-Spinnaker Class (7.75 NM):  $P(start) \underline{-A-**Ps**-B-C} \underline{-P(finish)}$
- Cruising Classes (6.0 NM):  $P(start) \underline{-A-B-C} \underline{-P(finish)}$

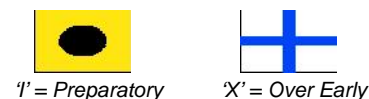
**8 TIME LIMITS** - Modifying RRS 35, there will be a fixed time limit for each day’s Race of 17:00:00; yachts finishing after the time limit will be scored DNF.

## **10 THE START**

- 10.1** The starting line will connect between an orange flag displayed on the RC boat and a pin-end inflatable buoy or the St. Augustine entrance buoy 'STA'.
- 10.2** Once the RC boat is on station at the start line (indicated by display of the orange start-line flag), 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 channel 71 for this purpose. Yachts failing to check in may be scored DNC.
- 10.3** 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*.)
- 10.4** Rule 30.1 "I Flag Rule" (sometimes called the 'Round-an-End Rule') will be in effect for all races.
- 10.5 Start Sequence** – Performance Classes will start first and together, Cruiser Class will start second.

**10.5.1** - Races will be started using RRS Rule 26: 5 minute warning signal

- 5 minutes before start: Raise Class flag, sound short horn  
4 minutes before start: Raise Preparatory flag 'I', sound short horn  
1 minutes before start: Lower Preparatory flag 'I', sound long horn  
0 minutes before start: Lower Class flag, sound short horn



**10.5.2** - The warning signal for succeeding starts will be made 5 minutes after the start of the preceding class.

**10.5.3** - Yachts that have not properly started within 15 minutes of the final class start may be scored DNS.

## **10.6 Recalls**

**10.6.1** - The Race Committee will *attempt* to announce sail numbers of premature starters on VHF 71.

**10.6.2** - In accordance with RRS Rule 29.2, in the event of a general recall, the First Substitute will be raised (two sounds), and then lowered (one sound) one minute before the new warning signal for the recalled class. The starts for any succeeding classes shall follow the new start.

## **10.7 RC Boat Not on Station**

In the case that the RC Boat is unable to come to the start area and set a start line as detailed in 10.1, the following changes and start procedures will apply:

**10.7.1** - The race format will be the Pedro's Passage course 'D' format.

**10.7.2** - No yacht shall start prior to its class start time listed here as synchronized with USNO time (refer to 1.3). A yacht shall have started when she is within 300 feet of the St. Augustine entrance buoy 'STA', and 'STA' bears 000° magnetic for yachts going North first, or 180° magnetic for yachts going South first. Rule 30.1 shall not be in effect.

Performance Class yachts shall start at or after 09:30:00.

Cruising Class yachts shall start at or after 09:40:00.

## **11 THE FINISH**

- 11.1** When the RC Boat is on station for taking finish times it will display a solid blue flag indicating such. 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 channel 71, or by other means.
- 11.3** For Races with no RC boat on station at the finish, 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 7.1 and 7.2. As a courtesy, the finishing yacht should simultaneously sound a horn to indicate it has finished racing. When possible, note the sail numbers and finishing times of other nearby yachts (*hence the courtesy horn*).
- 11.4** As soon as practical after finishing, a yacht shall report its finish time to the Race Committee via VHF channel 71. If unable to communicate by radio for this purpose, a yacht may telephone or text the designated RC telephone number. In no case shall a yacht fail to report its time directly to the RC any later than 2 hours following its finish. The RC will be available via VHF and at each after-race event area for this purpose.

Designated RC telephone #: \_\_\_\_\_ to be announced at Skippers' Meeting.

**12 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.

**13 PROTESTS AND REQUESTS FOR REDRESS**

- 13.1 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.
- 13.2 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.
- 13.3 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).

**14 SERIES SCORING**

- 14.1 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
- 14.2 Two scored races are required to constitute the Series. The Navigators Triangle races (if scored) will be combined to count as one score in the Series.
- 14.3 Modifying RRS Appendix A2, there will be no excluded scores.

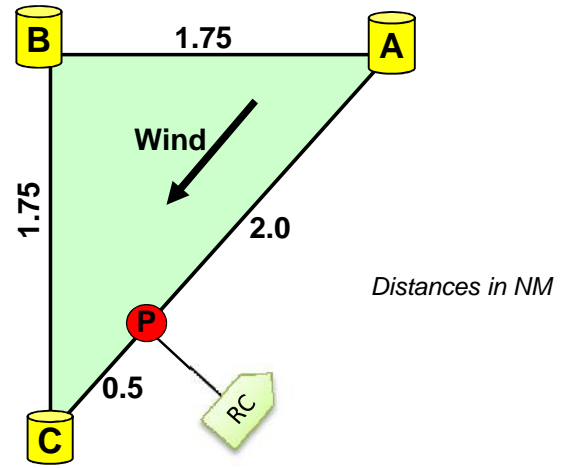
**15 RACE RESULTS** - Results for each race will be announced at its respective after-event party. Overall Regatta Results will also be e-mailed to the addresses given on the registration documents. Any request for clarification of the results shall be raised as soon as possible, and in any case, within 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).

**16 RESPONSIBILITY AND LIABILITY**

- 16.1 **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.*
- 16.2 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.
- 16.3 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.
- 16.4 The yacht is required to hold adequate insurance and in particular to hold insurance against third party claims.
- 16.5 Nothing done by the organizers can reduce the responsibility of the yacht.
- 16.6 The provision of patrol boats does not relieve the yacht of its responsibilities.
- 16.7 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.
- 16.8 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.
- 16.9 Inspection of a yacht by the Race Committee does not reduce the responsibilities of the yacht set out here.



2015  
**SARW - Races 1 & 2**  
**Offshore Triangle Courses**  
 ( 45 - 90 - 45 )



Shading represents  
 0.3 nm north of STA  
 or 0.3 nm south of STA

Course ID	Wind Direction	Approximate Position "C"	Approximate Position "A"	Approximate Position "B"	Approximate Magnetic Bearing From- to-				
					C to A	A to C	A to B	B to C	C to B
<b>NORTH COURSES</b>	<b>D</b>	N 29° 57.527' W 81° 14.179'	N 29° 55.212' W 81° 15.280'	N 29° 55.900' W 81° 13.427'	209	029	073	344	164
	<b>F</b>	N 29° 56.984' W 81° 13.245'	N 29° 55.212' W 81° 15.280'	N 29° 55.230' W 81° 13.266'	231	051	095	007	187
	<b>G</b>	N 29° 55.212' W 81° 15.280'	N 29° 57.527' W 81° 16.381'	N 29° 55.900' W 81° 17.133'	344	164	208	119	299
	<b>H</b>	N 29° 55.212' W 81° 15.280'	N 29° 57.718' W 81° 15.280'	N 29° 56.465' W 81° 16.690'	006	186	231	142	322
	<b>J</b>	N 29° 55.212' W 81° 15.280'	N 29° 57.527' W 81° 14.179'	N 29° 56.839' W 81° 16.032'	029	209	253	164	344
	<b>K</b>	N 29° 55.212' W 81° 15.280'	N 29° 56.984' W 81° 13.245'	N 29° 56.966' W 81° 15.259'	051	231	276	187	007
	<b>L</b>	N 29° 55.212' W 81° 15.280'	N 29° 56.171' W 81° 12.622'	N 29° 56.825' W 81° 14.491'	074	254	298	209	029
	<b>M</b>	N 29° 55.212' W 81° 15.280'	N 29° 55.212' W 81° 12.403'	N 29° 56.439' W 81° 13.842'	096	276	320	232	052
<b>SOUTH COURSES</b>	<b>O</b>	N 29° 54.612' W 81° 15.280'	N 29° 53.653' W 81° 12.623'	N 29° 55.266' W 81° 13.412'	119	299	343	254	074
	<b>R</b>	N 29° 54.612' W 81° 15.280'	N 29° 52.840' W 81° 13.246'	N 29° 54.594' W 81° 13.267'	141	321	005	277	097
	<b>T</b>	N 29° 54.612' W 81° 15.280'	N 29° 52.297' W 81° 14.180'	N 29° 53.924' W 81° 13.428'	164	344	028	299	119
	<b>U</b>	N 29° 54.612' W 81° 15.280'	N 29° 52.106' W 81° 15.280'	N 29° 53.359' W 81° 13.871'	186	006	050	322	142
	<b>V</b>	N 29° 55.571' W 81° 12.622'	N 29° 54.612' W 81° 15.280'	N 29° 53.957' W 81° 13.412'	254	074	118	029	209
	<b>X</b>	N 29° 54.612' W 81° 12.403'	N 29° 54.612' W 81° 15.280'	N 29° 53.384' W 81° 13.842'	276	096	141	052	232
	<b>Y</b>	N 29° 53.653' W 81° 12.623'	N 29° 54.612' W 81° 15.280'	N 29° 52.998' W 81° 14.491'	299	119	163	074	254
	<b>Z</b>	N 29° 52.840' W 81° 13.246'	N 29° 54.612' W 81° 15.280'	N 29° 52.858' W 81° 15.260'	321	141	186	097	277

# Predicted Tides, Currents, Sun, Moon - 2015 (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	
5-Apr	Sun	0355	-0.15	L	1003	4.00	H	1558	-0.18	L	2222	4.44	H
6-Apr	Mon	0433	-0.08	L	1042	3.93	H	1633	-0.14	L	2259	4.45	H
7-Apr	Tue	0512	0.02	L	1120	3.85	H	1709	-0.07	L	2336	4.42	H
8-Apr	Wed	0554	0.13	L	1159	3.73	H	1749	0.01	L			
9-Apr	Thu	0016	4.36	H	0643	0.22	L	1242	3.61	H	1838	0.07	L
10-Apr	Fri	0102	4.26	H	0739	0.24	L	1333	3.52	H	1938	0.08	L
11-Apr	Sat	0157	4.16	H	0837	0.16	L	1432	3.49	H	2041	0.00	L
12-Apr	Sun	0300	4.11	H	0934	0.02	L	1537	3.58	H	2144	-0.14	L

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	
5-Apr	Sun	-0401	-0.04	L	0957	4.54	H	1605	-0.04	L	2218	4.89	H
6-Apr	Mon	0438	0.00	L	1034	4.45	H	1638	-0.01	L	2255	4.85	H
7-Apr	Tue	0515	0.08	L	1112	4.36	H	1714	0.05	L	2332	4.81	H
8-Apr	Wed	0555	0.19	L	1151	4.27	H	1753	0.13	L			
9-Apr	Thu	0013	4.76	H	0640	0.30	L	1234	4.21	H	1838	0.22	L
10-Apr	Fri	0058	4.71	H	0731	0.39	L	1321	4.17	H	1932	0.30	L
11-Apr	Sat	0149	4.67	H	0829	0.41	L	1414	4.19	H	2036	0.32	L
12-Apr	Sun	0248	4.65	H	0930	0.32	L	1516	4.27	H	2143	0.25	L

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 %
5-Apr	Sun	0710	1946	2100	0750	99
6-Apr	Mon	0709	1947	2155	0828	95
7-Apr	Tue	0708	1947	2249	0908	90
8-Apr	Wed	0707	1948	2344	0953	84
9-Apr	Thu	0706	1949		1041	75
10-Apr	Fri	0704	1949	0038	1133	66
11-Apr	Sat	0703	1950	0131	1230	50
12-Apr	Sun	0702	1950	0222	1330	44

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

Date		Flood	Slack	Ebb	Slack	Flood	Slack	Ebb	Slack	Flood
5-Apr	Sun			0221	0620	0846	1156	1428	1818	2057
6-Apr	Mon		0015	0253	0701	0926	1233	1504	1853	2139
7-Apr	Tue		0053	0330	0744	1009	1310	1543	1931	2224
8-Apr	Wed		0134	0410	0829	1055	1348	1626	2014	2312
9-Apr	Thu		0218	0455	0916	1142	1430	1711	2102	
10-Apr	Fri	0001	0306	0543	1006	1231	1517	1801	2156	
11-Apr	Sat	0051	0357	0636	1057	1322	1612	1857	2254	
12-Apr	Sun	0143	0454	0734	1149	1415	1715	1958	2354	