

**SPERRY CHARLESTON RACE WEEK**

# PRE-REGATTA WEBCAST



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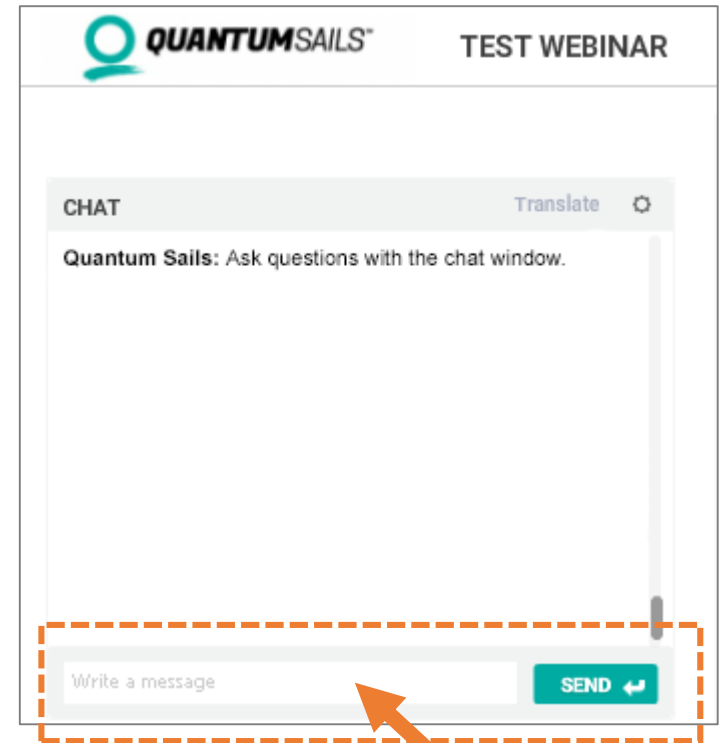


# HOUSEKEEPING

## Use the chat window to:

- Ask the team questions.
- Get help with technical issues.
- Send comments.

*After the webinar we will email all registrants a recording of the webinar and answer any questions we weren't able to get to during the webinar.*



Type questions here

# AGENDA

**Introductions**

**How to sail in Charleston**

High level

Tidal currents

Breeze

Courses & approaches

**Applying the forecast**

**Race Week Resources**

**Questions and answers**



# SPEAKERS



## **SCOTT NIXON**

*Quantum Sails Director of  
Offshore One Design*



## **RANDY DRAFTZ**

*Sperry Charleston Race  
Week Event Director*



## **ALLAN TERHUNE**

*Quantum Sails Director of  
Inshore One Design*



## **CRAYTON WALTERS**

*Harbor Pilot & Local  
Knowledge Expert*

# ***HOW TO SAIL IN CHARLESTON***



# HIGH LEVEL



Those with a good plan and great execution are rewarded.

- Not a speed venue, it's a **dynamic racecourse** that is always changing!
- Swift tides and shifty winds.

# TIDAL CURRENTS

- It takes too long to restart if you're over early – you have to sail up current to clear.
- Don't under or over stand lay lines - it can be costly in larger fleets.
- Leave yourself room when rounding marks in strong currents.
- Crab pots are hard to see in rolling tides.
- Low tides reveal new shallow areas.



**PRO TIP:** *It's extra important to keep your head out of the boat and be aware of the fast changes so you can get to the correct side of the tack quickly.*

# TIDE INFORMATION

32.7670° N, 79.9117° W | Flood direction 304° true | Ebb direction 98° true

## **WEDNESDAY – APRIL 19**

- 10:06 AM EDT 0.00 knots Slack, Flood Begins
- 12:44 PM EDT 0.63 knots Max Flood
- 03:05 PM EDT -0.00 knots Slack, Ebb Begins
- 07:05 PM EDT -1.24 knots Max Ebb

## **THURSDAY – APRIL 20**

- 08:11 AM EDT -1.59 knots Max Ebb
- 11:01 AM EDT 0.00 knots Slack, Flood Begins
- 01:37 PM EDT 0.65 knots Max Flood
- 04:09 PM EDT -0.00 knots Slack, Ebb Begins

## **FRIDAY – APRIL 20**

- 09:09 AM EDT -1.73 knots Max Ebb
- 11:55 AM EDT 0.00 knots Slack, Flood Begins
- 02:31 PM EDT 0.71 knots Max Flood
- 05:14 PM EDT -0.00 knots Slack, Ebb Begins

## **SATURDAY – APRIL 21**

- 10:03 AM EDT -1.94 knots Max Ebb
- 12:46 PM EDT 0.00 knots Slack, Flood Begins
- 03:25 PM EDT 0.80 knots Max Flood
- 06:17 PM EDT -0.00 knots Slack, Ebb Begins

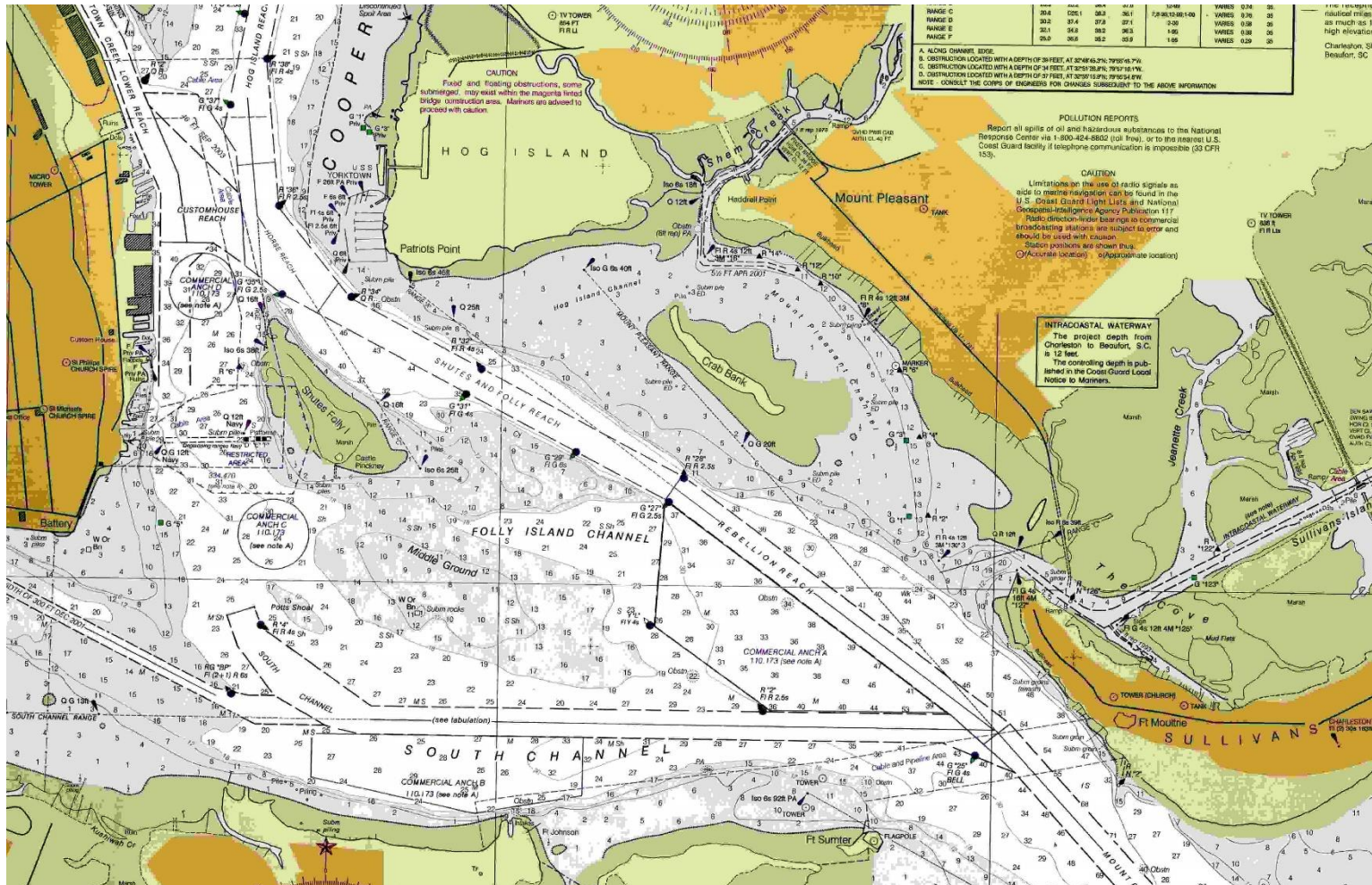
## **SUNDAY – APRIL 22**

- 06:51 AM EDT -0.00 knots Slack, Ebb Begins
- 10:54 AM EDT -2.19 knots Max Ebb
- 01:35 PM EDT 0.00 knots Slack, Flood Begins
- 04:18 PM EDT 0.92 knots Max Flood

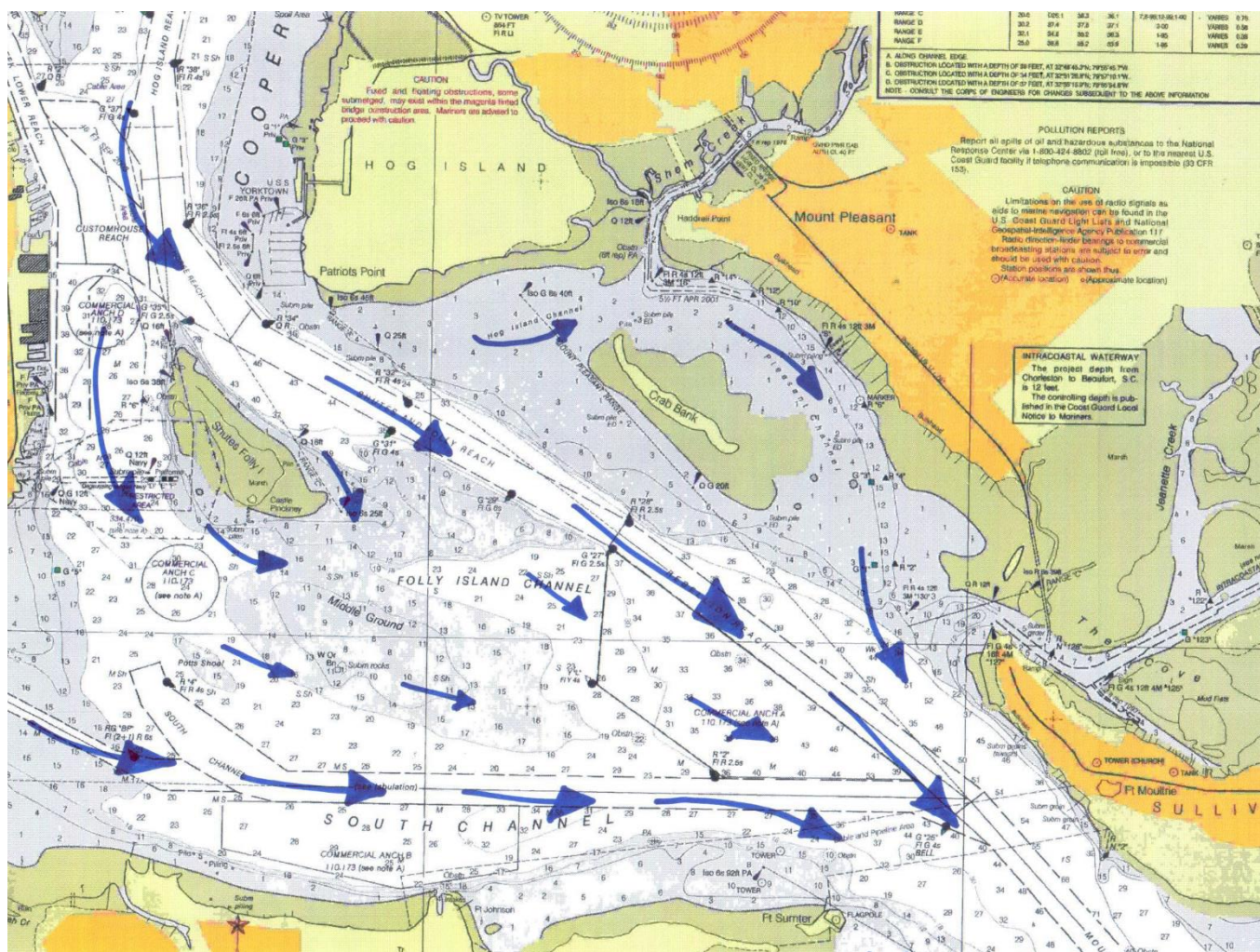




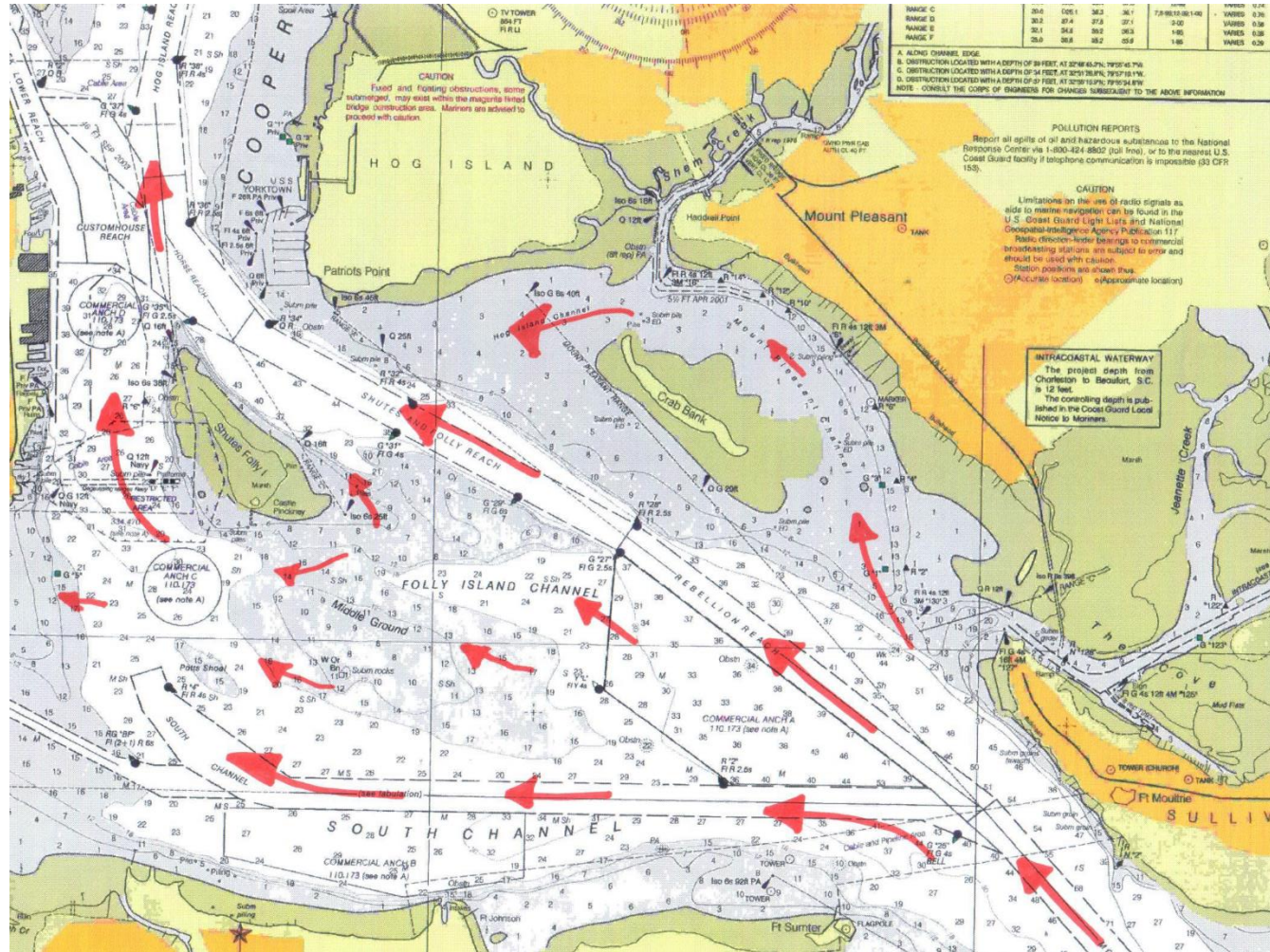
# INSHORE CHART



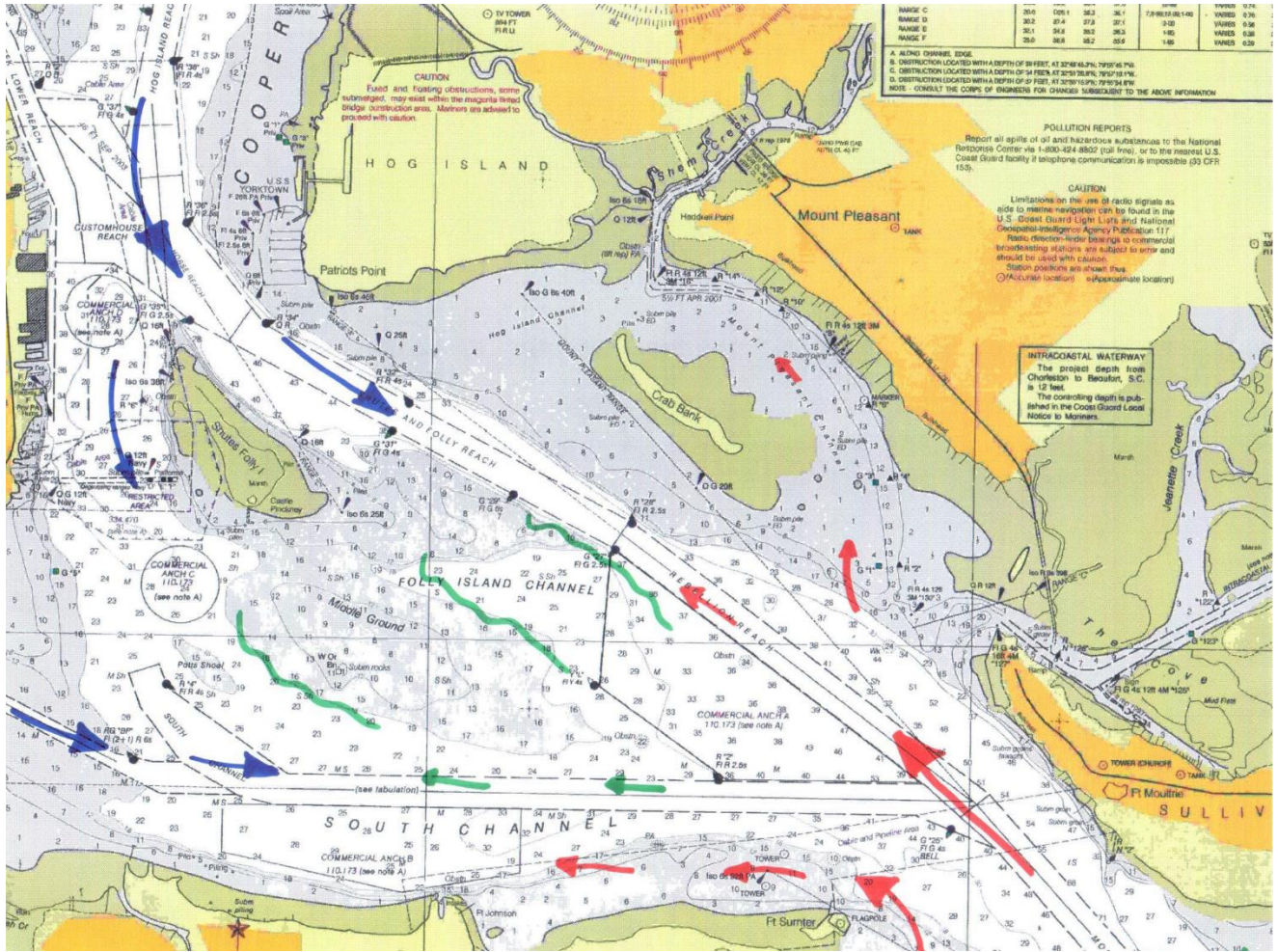
# TIDES: MAX EBB



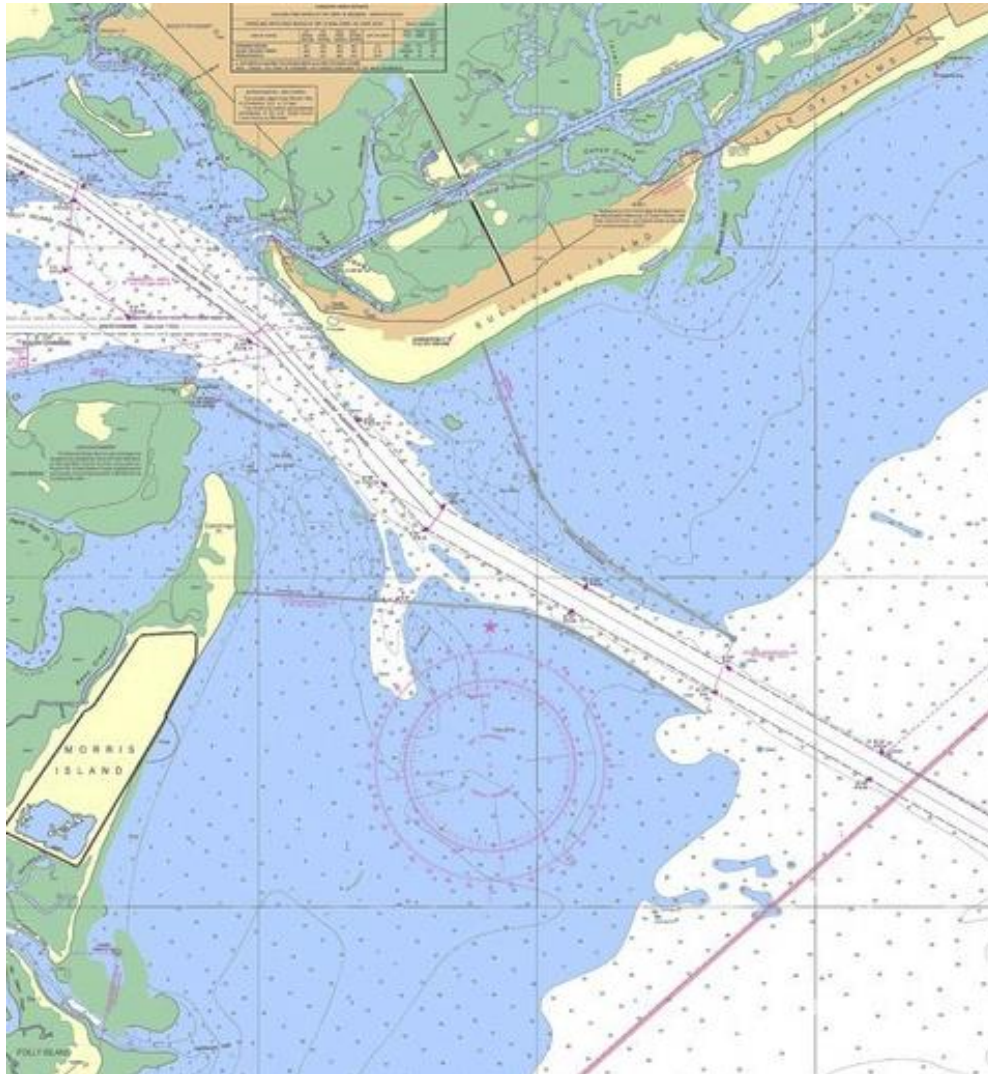
# TIDES: MAX FLOOD



# TIDES: START OF FLOOD



# OFFSHORE CHART



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# BREEZE



- Transitional time for the local sea breeze phenomenon
- Consistent Southwesterly materializes around noon
- **With strong breeze:** inshore race sources can experience large chop, opposite the tidal current, coming out of the East or Northeast

# ***COURSE APPROACHES***

## ***INSHORE***

**Melges 24:** Scott Nixon

**J/70:** Allan Terhune



## ***OFFSHORE***

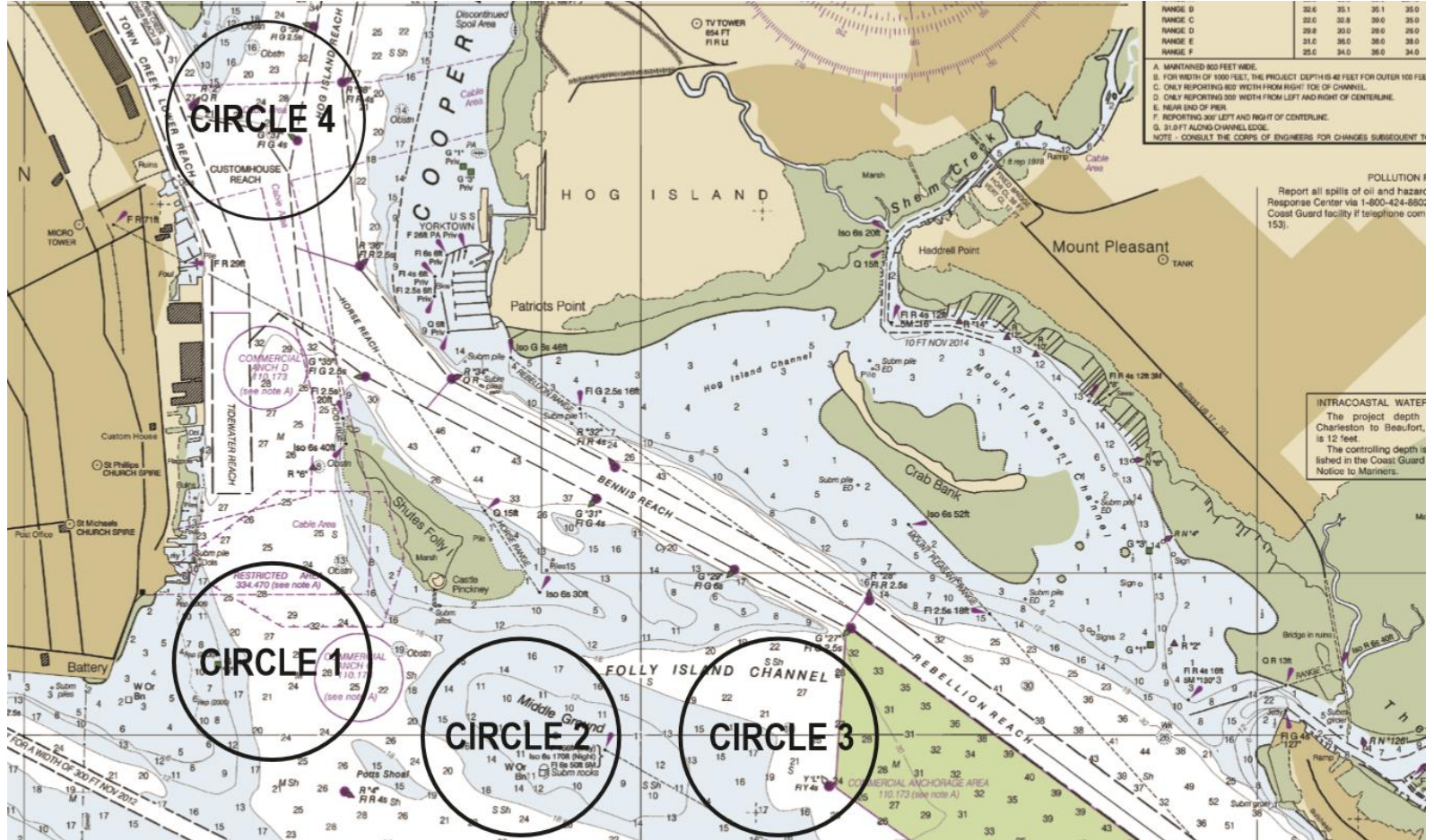
**J/105:** Crayton Walters



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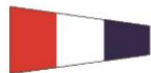
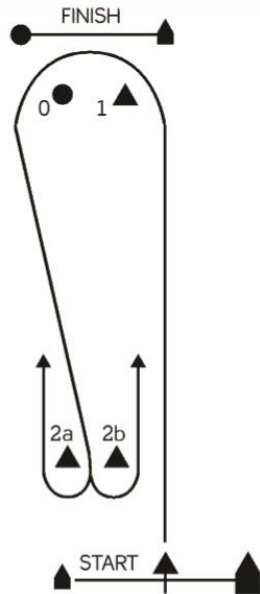
# INSHORE COURSES



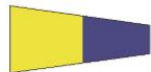


# INSHORE COURSES

Course 3 and 5 are Windward-Leeward with a finish to Windward.

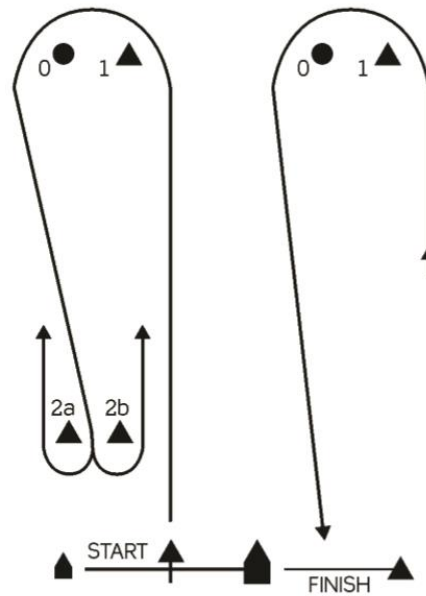


**Course 3: 3 Legs**  
Marks: S - 1 - 0 - 2a/b - F



**Course 5: 5 Legs**  
Marks: S - 1 - 0 - 2a/b - 1 - 0 - 2a/b - F

Course 4 and 6 are Windward-Leeward with a finish to Leeward.

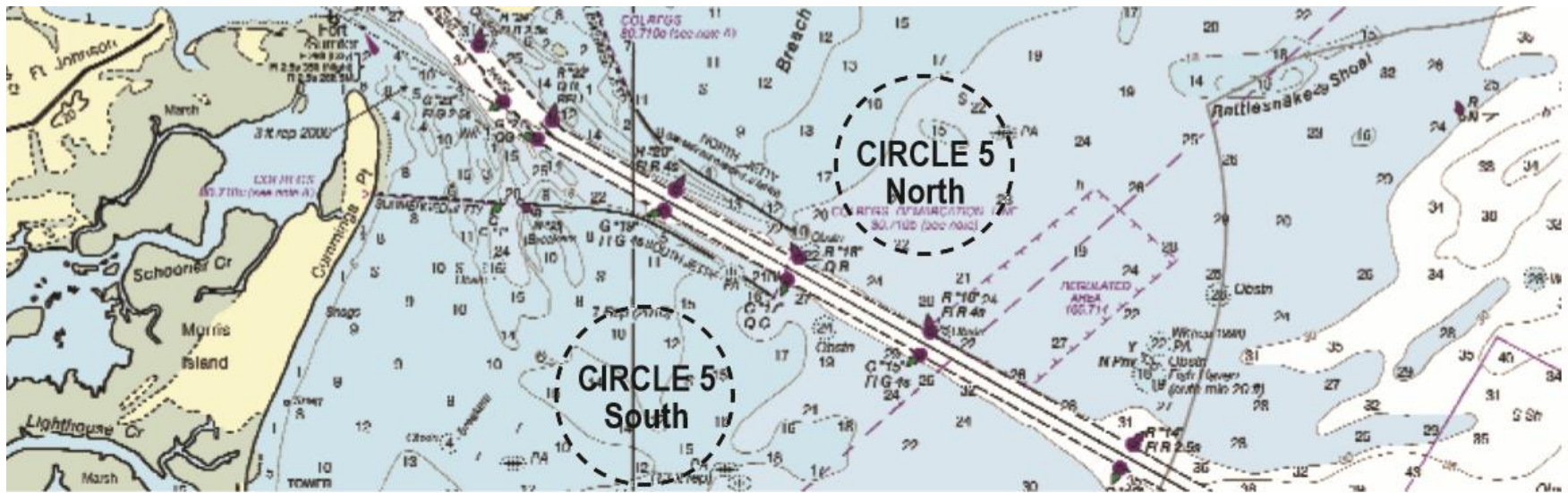


**Course 4: 4 Legs**  
Marks: S - 1 - 0 - 2a/b - 1 - 0 - F



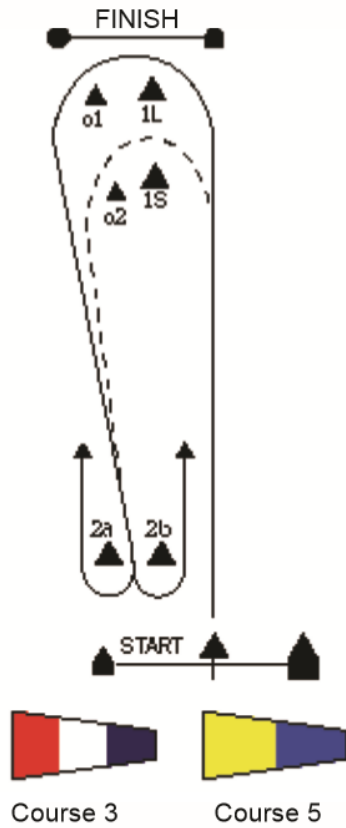
**Course 6: 6 Legs**  
Marks: S - 1 - 0 - 2a/b - 1 - 0 - 2a/b - 1 - 0 - F

# OFFSHORE COURSES

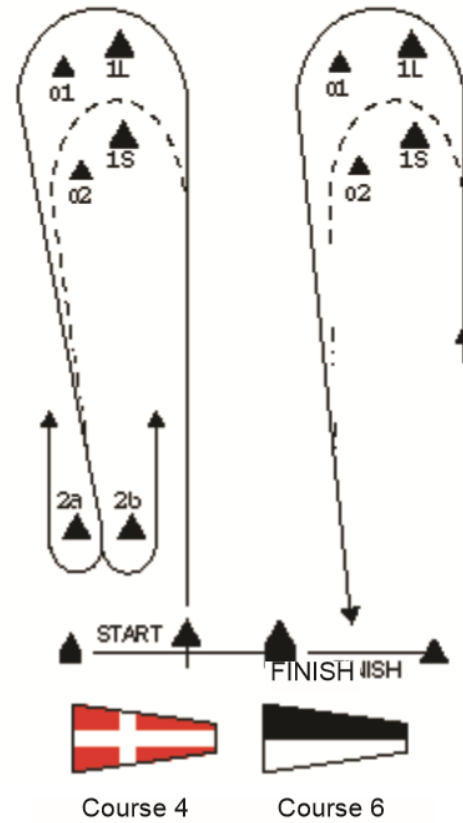


# OFFSHORE COURSES

Course 3 and 5 are Windward-Leeward with a finish to Windward.

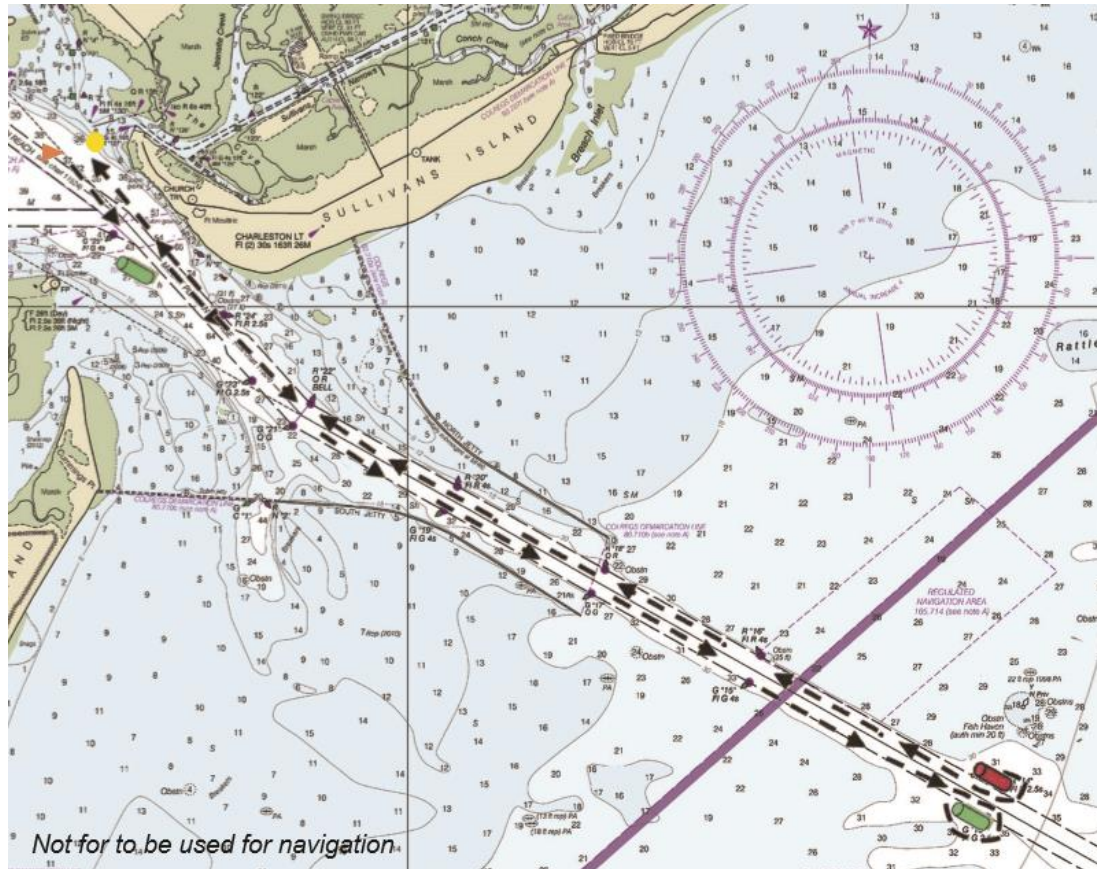


Course 4 and 6 are Windward-Leeward with a finish to Leeward.



# PURSUIT COURSES

## COURSE 1





# ***APPLYING THE FORECAST***



# FORECAST

**THURSDAY:** Mostly sunny

- Southerlies 5-10 kts increasing to 10-16 kts

**FRIDAY:** Mostly sunny

- SWS 10-16 kts

**SATURDAY:** Partly cloudy, chance of showers

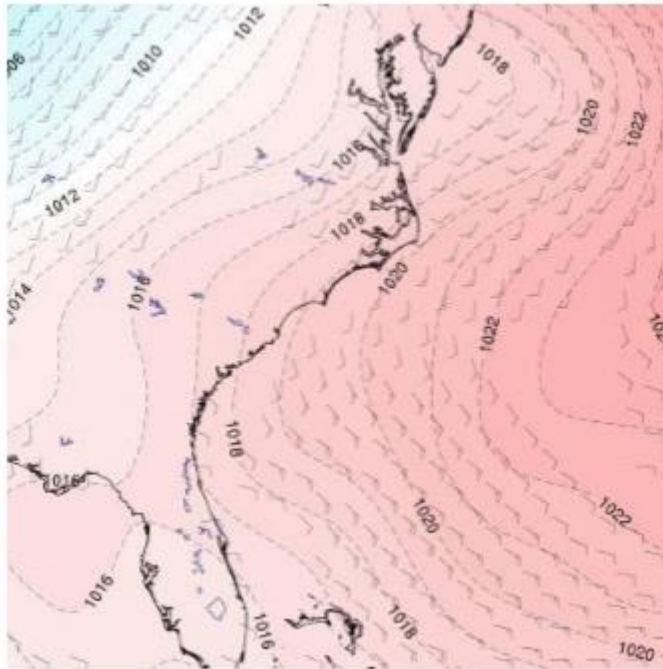
- SW 15-20 kts or ESE 6-12 kts

## SUMMARY

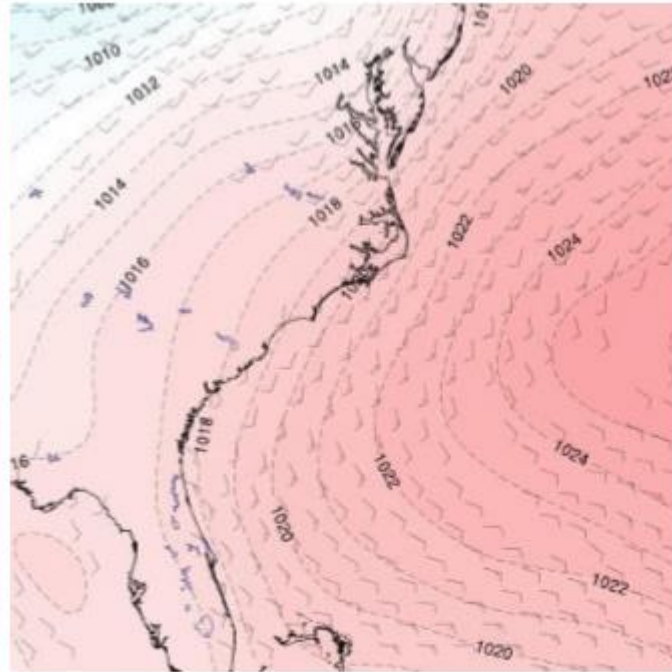
- High pressures developing around Bermuda on Thursday and Friday will cause a moderate southerly gradient
- **Model 1:** shows a cold front approaching from the west strengthening the SW wind
- **Model 2:** shows a gradient becoming gentle or moderate Easterlies that could become SE with the local sea breeze effect.



# FORECAST



Thursday – April 20 – 1 PM



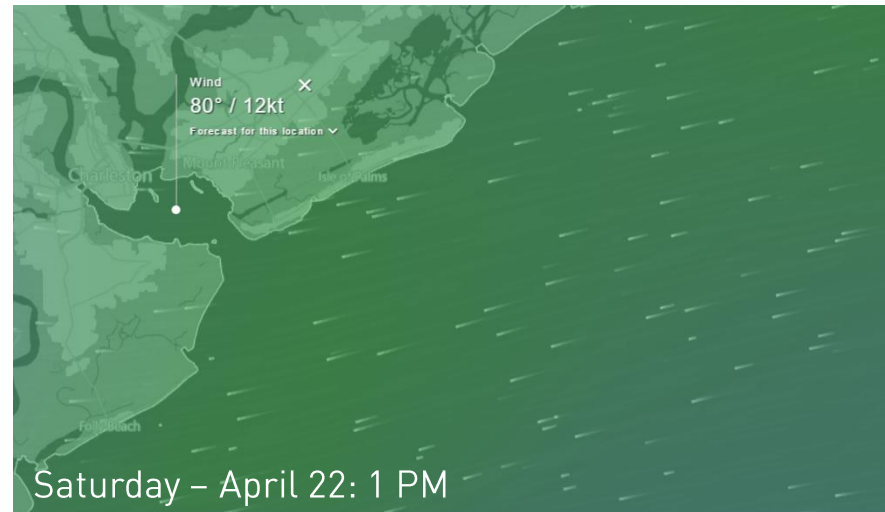
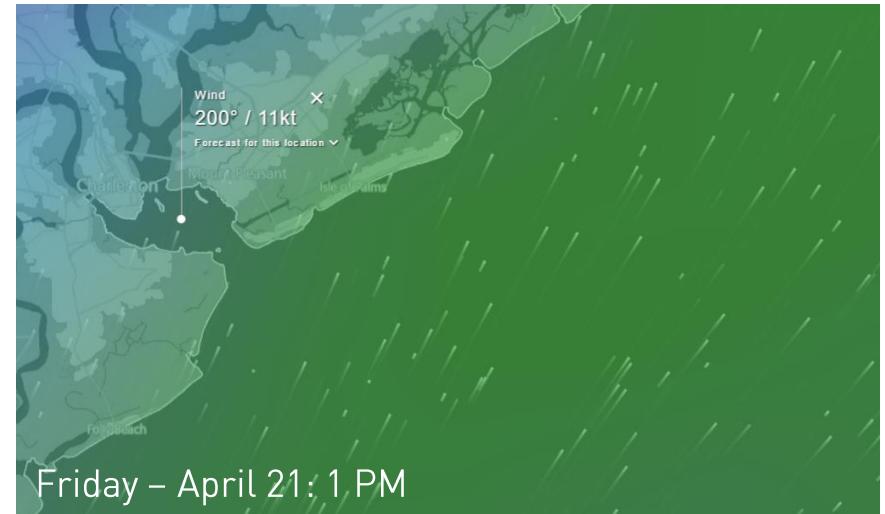
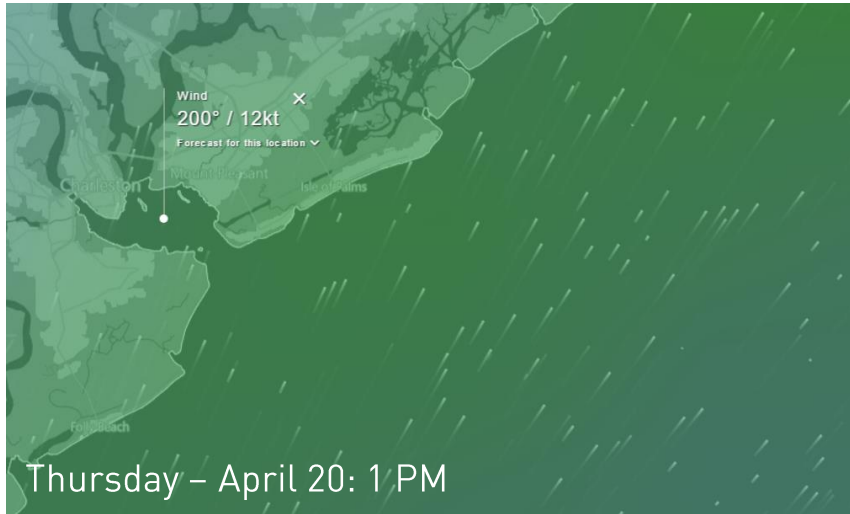
Friday – April 21 – 1 PM

*Forecast by MetWIND.com*

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# FORECAST



Forecast from [WindyTv.com](http://WindyTv.com)



# ***RACE WEEK RESOURCES***



# DAILY RACE STARTS

## **OFFSHORE CIRCLE 5**

**Harbor Start: 8:30 AM**

**First Warning Signal: 10:30 AM**

## **INSHORE CIRCLES 1, 2, 3, 4**

**First Warning Signal: 11 AM**



# PRACTICE RACE INFORMATION



## **THURSDAY 4/20**

Tune into channel 73 and look for the green Quantum tetrahedron marks.

**J/70: Circle 2 - 1 PM**

**MELGES 24: Circle 3 - 3 PM**



# ONSITE SAIL REPAIR

Sails can be dropped off at Quantum's pop-up loft on the porch outside the Reel Bar.

## CONTACT

**Spencer Colpaert**

[scolpaert@Quantumsails.com](mailto:scolpaert@Quantumsails.com)

313-402-0527



# WEATHER BRIEFINGS

## **DAILY WEATHER BRIEFING**

The daily weather and how it applies to each race course will be briefed every morning by Ed Baird on the Jumbotron on the beach.

**OFFSHORE:** 7:30 AM

**INSHORE:** 9 AM

## **DAILY VIDEO DEBRIEF**

Ed Baird will deliver an in-depth analysis of the day's racing on the Jumbotron with video replays by Quantum Racing cameraman Keith Brash.

**THURSDAY:** Circle 2 - J/70

**FRIDAY:** Circle 3 - M24, Viper, ORC C

**SATURDAY:** Circle 1 & 4 - J/80, J/88, VX1, ORC D, J/22, J/24

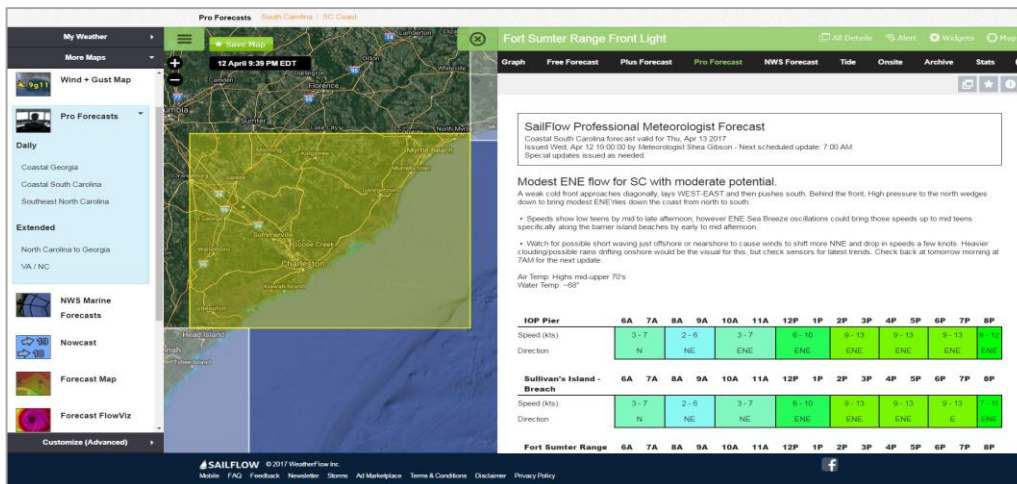
**SUNDAY:** Circle 2 - J/70



# ONSITE FORECAST



- Access to five local Charleston sensors + the existing public stations, our daily Pro Forecasts at 7 AM and 7 PM, full model forecast suite, nautical charts, and more.
- Free Pro Membership for April 20-23 for Race Week.
- Download the app (Apple Store or Google Play) or visit [www.SailFlow.com](http://www.SailFlow.com).



Contact **Shea Gibson** with questions:  
[sgibson@weatherflow.com](mailto:sgibson@weatherflow.com)



# DOCK TALKS

All dock talks take place following the day's racing on the docks near the class fleet. Beverages and snacks provided!

<b>J/70</b>	Thursday & Friday
<b>J/24</b>	Friday
<b>J/80</b>	Friday
<b>J/88</b>	Friday
<b>MELGES 24</b>	Thursday & Saturday
<b>VIPER 640</b>	Saturday
<b>ORC</b>	Saturday (5:30 PM in food tent)



# ONSITE Q & A



Experts will be on hand from 6-8 PM daily to answer any questions or to chat about the day's racing.

**6-8 PM:** Quantum Hospitality Tent on the beach

*(There will also be free popcorn and giveaways)*



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# ***QUESTIONS & ANSWERS***



# CONTACT INFORMATION



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