

# QUANTUM J/70 WINTER SERIES

## Event 2 Debrief



**QUANTUM SAILS**  
TO THE NEXT CHALLENGE.

Photo by Sara Proctor.

# AGENDA

- **Housekeeping**
- **Introductions**
- **Event 2 Debrief**
  - **Debriefs**
  - **Takeaways**
- **Heavy Air Racing**
  - **Rig settings**
  - **Starts**
  - **Upwind**
  - **Downwind**
- **Video and Photo Analysis**
- **Looking Toward Event 3**
- **Questions and Answers**

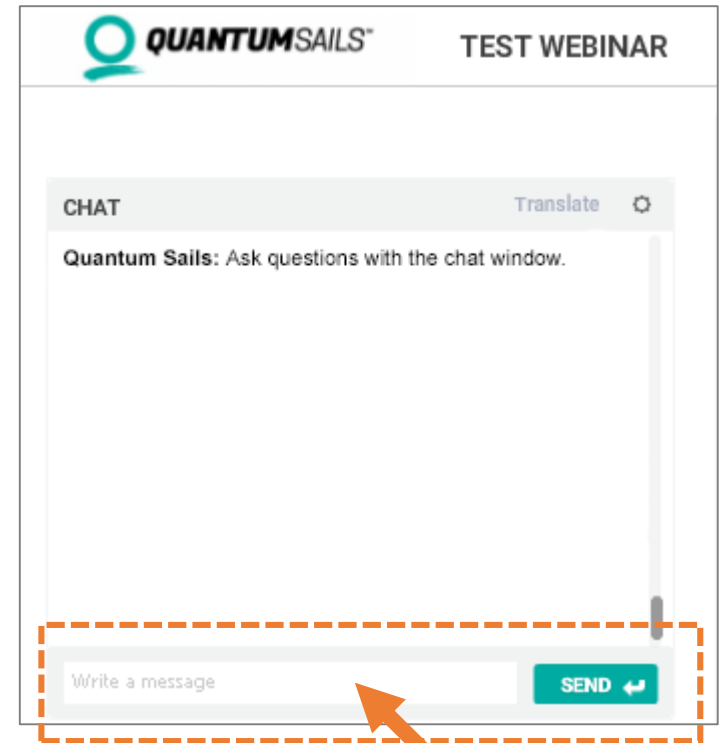


# HOUSEKEEPING

## Use the chat window to:

- Ask presenters or myself questions.
- Get help with technical issues.
- Send any 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!

# SPEAKERS



***ALLAN TERHUNE***

*Director of Inshore One Design*



***MARTY KULLMAN***

*Director of Sales*

# ***EVENT 2 DEBRIEF AND TAKEAWAYS***

# EVENT 2



- It was windy, and it appeared it took folks 2-3 races to get the boats set up. **Get out early to get your tuning down!**
- In big shifts, the **goal is always to get on the long tack as soon as you can.**
- **Stay patient**, even in heavy air, there were big opportunities to gain.
- **Sail clean.** The teams that tried to do too much, wiped out, or had troubles and lost piles of boats.
- **Early takedowns**, stay in the puffs downwind, stay on the lifted tack.

# ***HEAVY AIR RACING***

# HEAVY AIR RIG SET UP



- Heavy air battens in main and jib
- Tighten backstay bridle
- Set leeward upper shroud to snug, tuning guide should be close
- Adjust lowers to mast bend characteristics



# QUICK TUNE CHART

TWS	UPPERS	LOWERS	UPPERS	LOWERS	JIB LEAD	WIND SHEET	TRAVELER	VANG	BACKSTAY	JIB FURL
Knots	Turns from base	Turns from base	Tensions PT-2	Tensions PT-2	Holes showing in front	Weather Jib Sheet on	Upwind	Upwind	Upwind	Downwind
0 TO 4	- 7	- 4	9	3" of slop	4	0	Max	0	0	In
5 TO 6	- 5	- 3	15	6	4	1"	Max	0	0	In
6 TO 8	- 3	- 2	18	8	5	1"	Up 8"	Just Firm	0	In
8 TO 10	-2	- 1	20	12	5	1.5"	Up 8"	Just Firm	25%	In
10 TO 12	BASE	BASE	22	14	6	1.5"	Up 6"	25%	25%	In
12 TO 14	+ 2	+ 1	24	16	6	1.5"	Up 6"	50%	50%	In
14 TO 18	+ 3	+ 2	26	20	6	1"	Up 4"	75%	75%	In/Out
18 TO 20	+ 5	+ 3	28	24	6	0.5	Center	80%	80%	Out
20 TO 23	+ 7	+ 4	29	26	7	0	Center	100%	90%	Out
24 TO 26	+ 7	+ 5	29	28	7	0	Center	100%	100%	Out
26 +	+ 8	+ 6	30	29	7	0	Center	100%	100%	Out

\*All turns from Base Setting of 10 to 12 TWS

## BASE SETTINGS

CALIPER #'S	UPPERS	LOWERS	HEADSTAY	RAKE	PREBEND AT SPREADERS
PORT	_____ mm	_____ mm	_____ mm	4' 7.5" (55.5")	2.5" or 64 mm
STARBOARD	_____ mm	_____ mm	_____ mm	Headstay PT-2#	
LOOS PT-2 #	22	14	_____ mm	_____	

\*\*Use Calipers to measure distance between turnbuckles once rig is set up at base for repeatability. Record here on this chart.

Also add tape marks to your spreaders at 18", 20" and 22" from the side wall of the mast. This will help with jib leech set up and quick leech adjustments upwind.

To measure your rake, mark the headstay at the top of the white band on the mast near the gooseneck. Measure from this mark to the center of the top headstay pin in the jib furler. This is the pin just below the headstay turnbuckle. This number should be 4' 7.5" at the base set up and will not change.

To measure your prebend place your main halyard at your gooseneck and pull tight. Then measure from the back of the mast track to the edge of the main halyard right at the spreaders. This number at base should be 2"



# HEAVY AIR STARTS

- Set up on starboard early
- Jib out
- Back stay set
- Vang on
- Cunningham on
- Traveler set slightly to windward



# HEAVY AIR UPWIND

- Wave State Choppy or Flat
- Crew Position
- Vang vs backstay
- How to handle Puffs
- Tacking and jib trim



Photo by Chris Howell.

# HEAVY AIR DOWNWIND

- Jib out
- Weight management vs wave conditions
- Surfing down wave
- Furl in jibe
- Slow late main jibe
- Slow unfurl



# ***VIDEO AND PHOTO ANALYSIS***

# HEAVY AIR TRIM



# HEAVY AIR TRIM



# HEAVY AIR TRIM





# HEAVY AIR TRIM



# ***LOOKING TOWARD EVENT 3***

# ***QUESTIONS & ANSWERS***

# THANK YOU



## **ALLAN TERHUNE**

*Quantum Sails Director of Inshore One Design*

[aterhune@quantumsails.com](mailto:aterhune@quantumsails.com)

**O** 410-268-1161

**M** 732-644-1051



## **MARTY KULLMAN**

*Quantum Sails Director of Sales*

[mkullman@quantumsails.com](mailto:mkullman@quantumsails.com)

**M** 727-560-0164



## **JULIE DAVIDSON**

*Quantum Sails Marketing Communications*

[jdavidson@quantumsails.com](mailto:jdavidson@quantumsails.com)

**M** 269-718-9164

**O** 231-941-1222