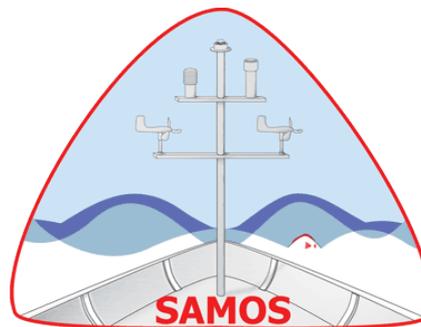


# A Picture is Worth a Thousand Words

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Center for Ocean-Atmospheric Prediction Studies  
The Florida State University, Tallahassee, Florida USA



# Perspective makes all the difference...



**SAMOS**  
Shipboard Automated Meteorological and Oceanographic System

<http://samos.coaps.fsu.edu>



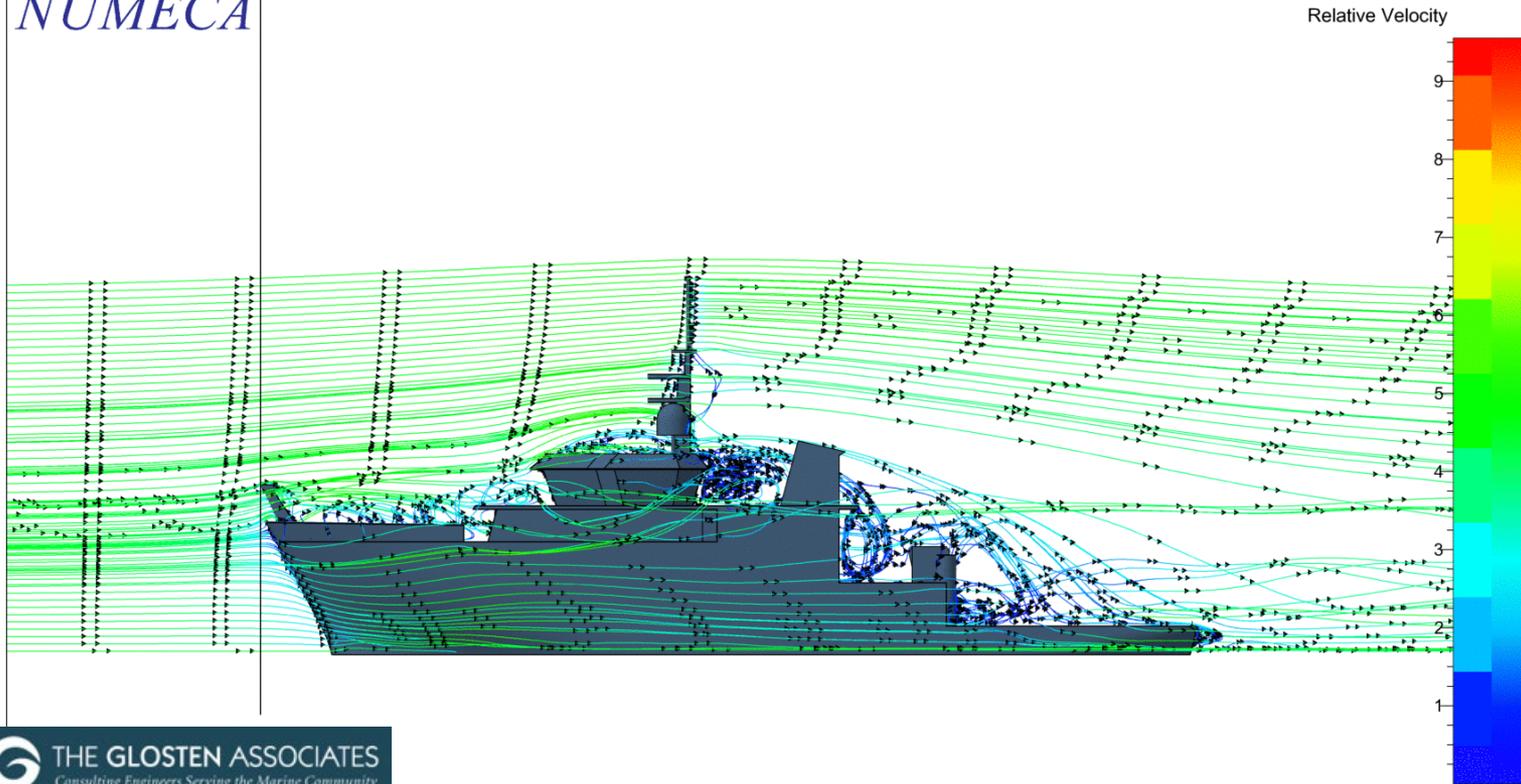
# Flow Analysis



## RCRV - Airflow, 9 kts, Elevation

April 10, 2014

NUMECA



 THE GLOSTEN ASSOCIATES  
Consulting Engineers Serving the Marine Community



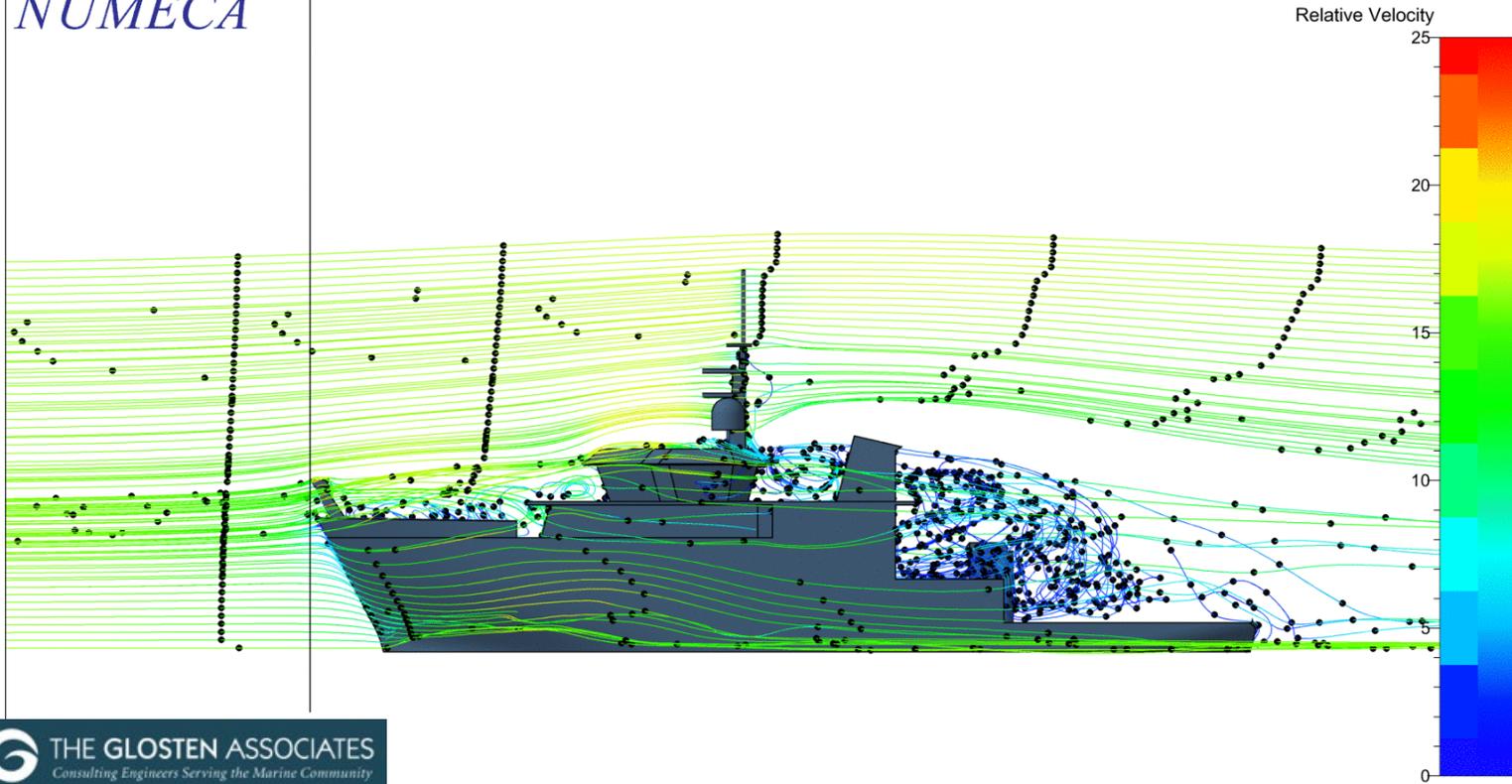
# Flow Analysis cont'd



RCRV - Airflow, 12 kts, 20 kts HW, Elevation

April 21, 2014

NUMECA



THE GLOSTEN ASSOCIATES  
Consulting Engineers Serving the Marine Community

**SAMOS**

Shipboard Automated Meteorological and Oceanographic System

<http://samos.coaps.fsu.edu>



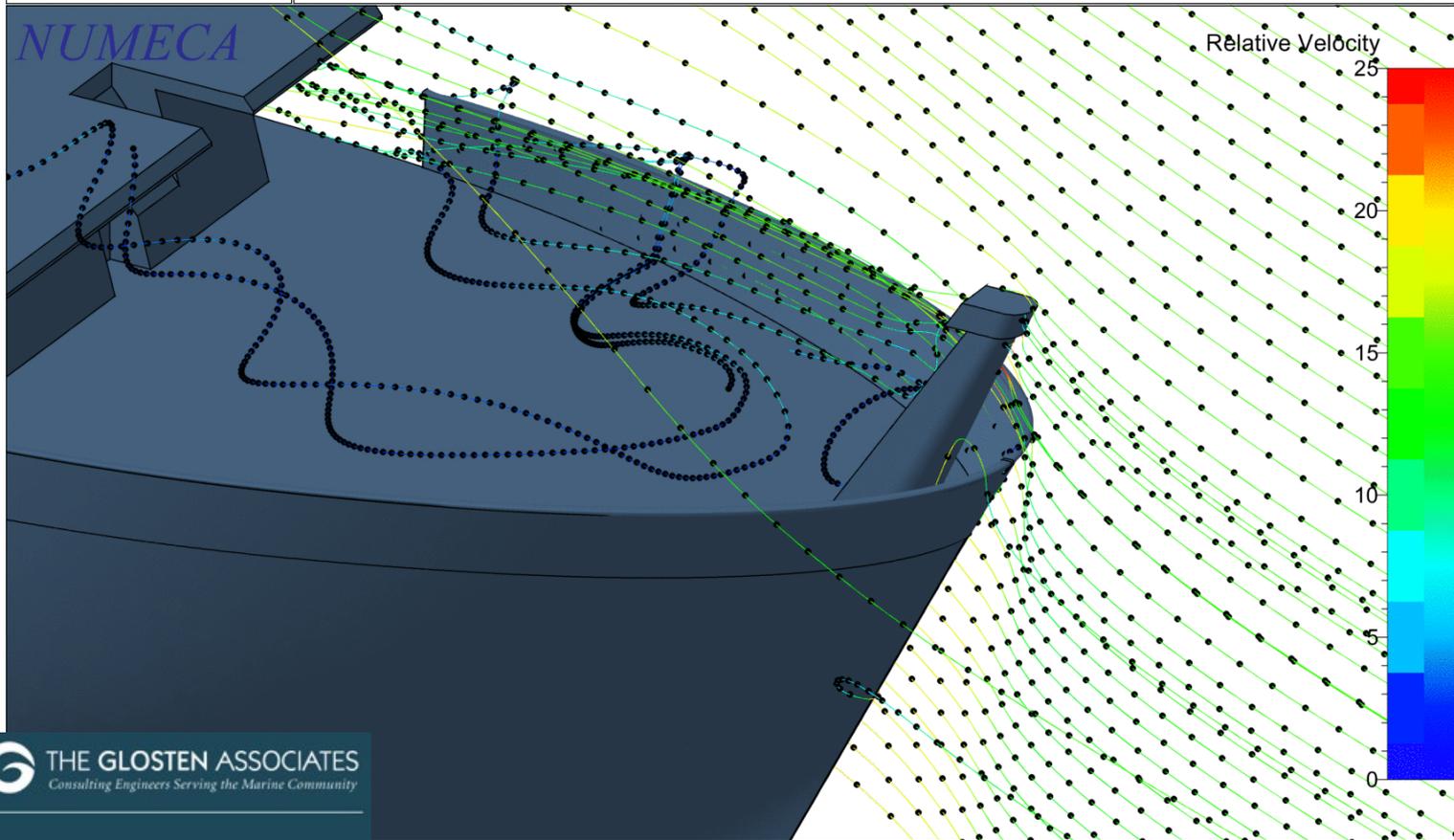
SCHMIDT



# Flow Analysis cont'd



RCRV - 12 kts, 20 kts Headwind, 30 deg



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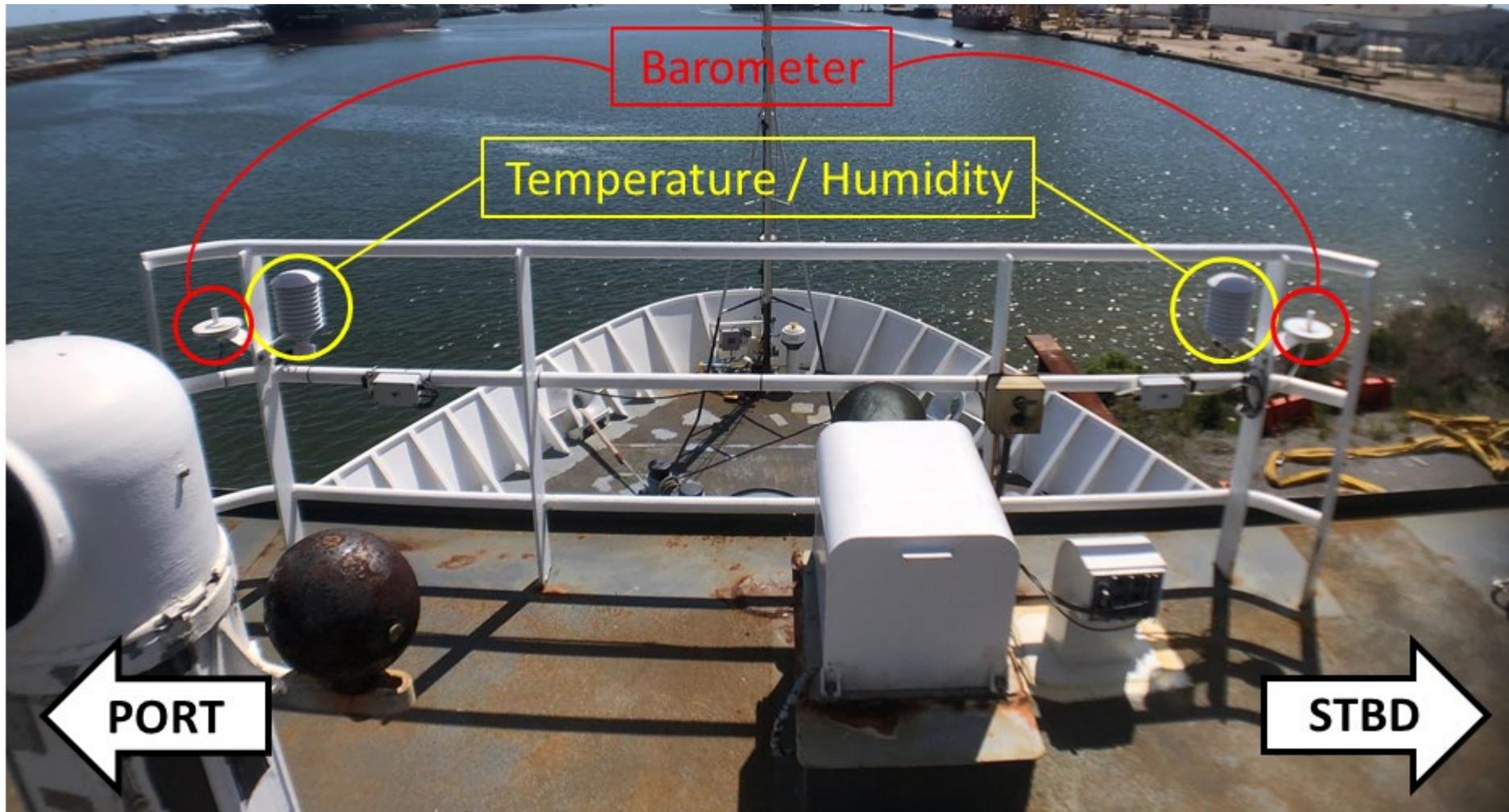
<http://samos.coaps.fsu.edu>



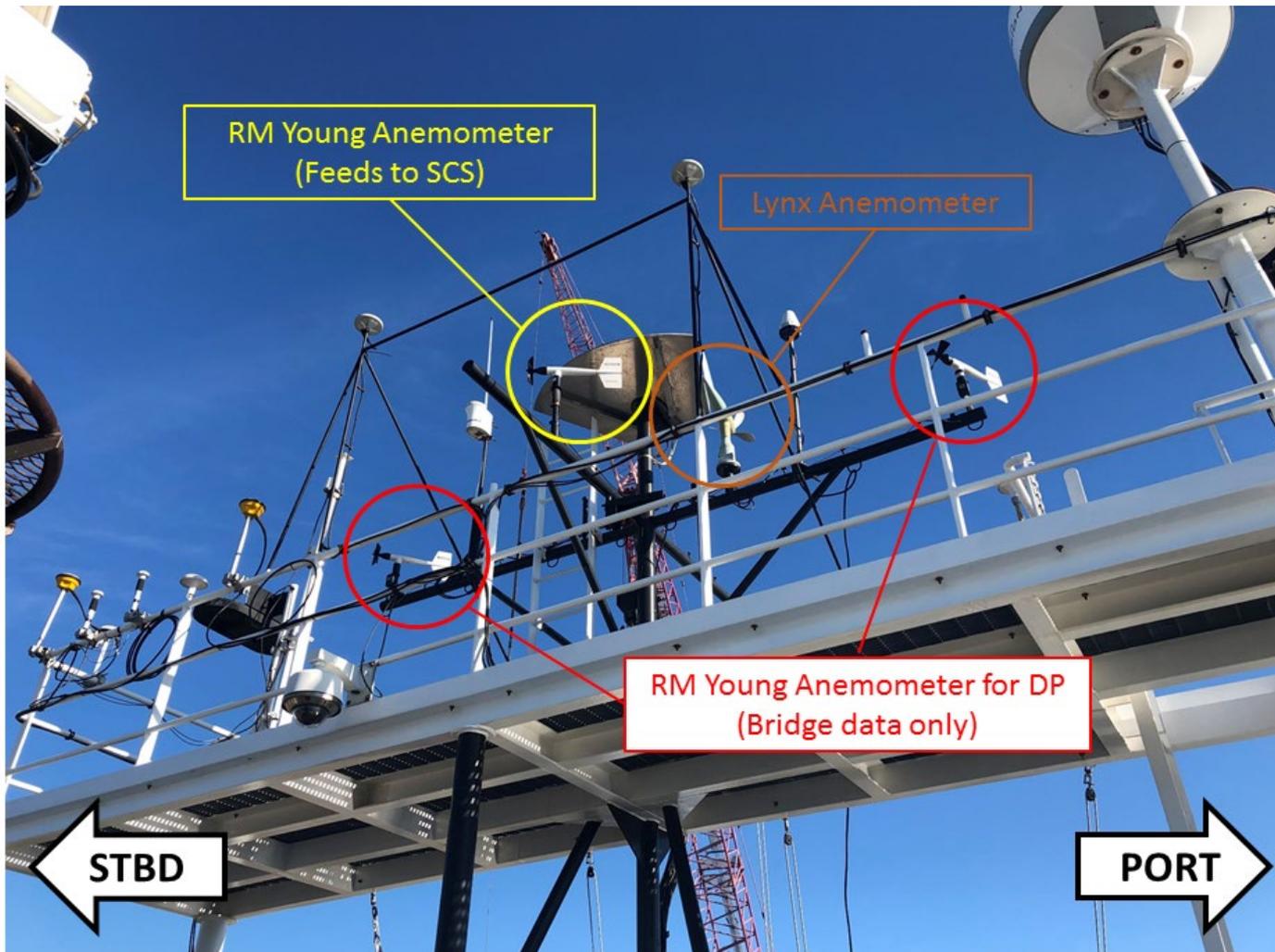




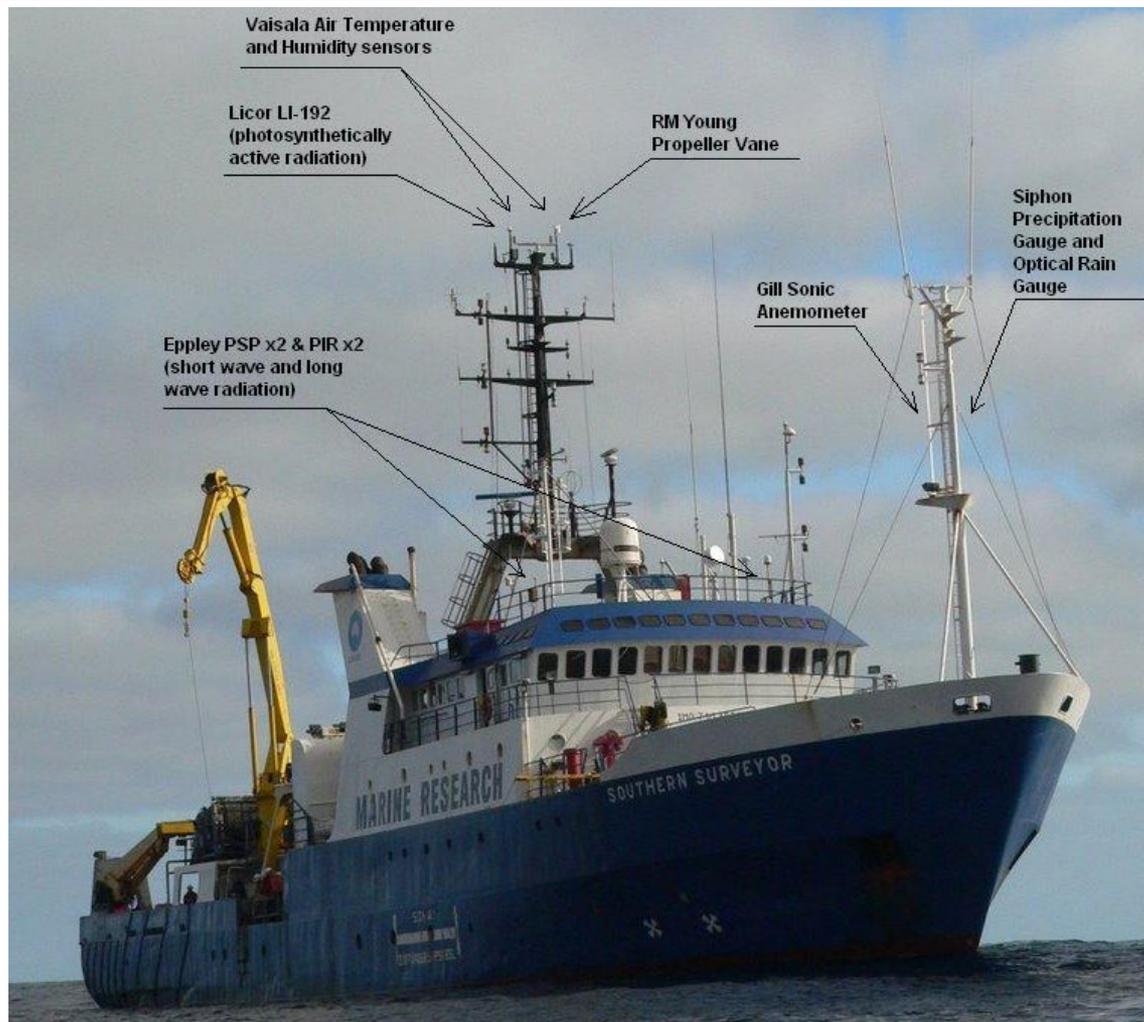
# Ideal Imagery



# Ideal Imagery



# Acceptable Imagery



# Acceptable Imagery



# Insufficient Imagery



# Insufficient Imagery



# Imaging Rules of Thumb

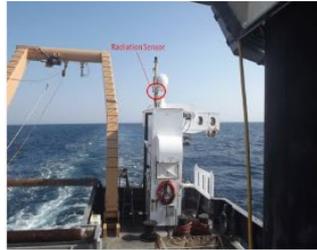
---

- Best to incorporate both a close-up of the instrument and an overview shot of the area
    - close-ups show instrument and immediate surroundings clearly
    - overviews show ~5 m clearance
  - Include anything that could “shadow” the instrument
  - Keep an eye toward demonstrating heights/distances, i.e., inst. height (try to include deck), distance between inst. and ship’s equipment it might be mounted above (e.g. storage shed)
  - Port and stbd profile shots from shore/dock will round it all out.
-

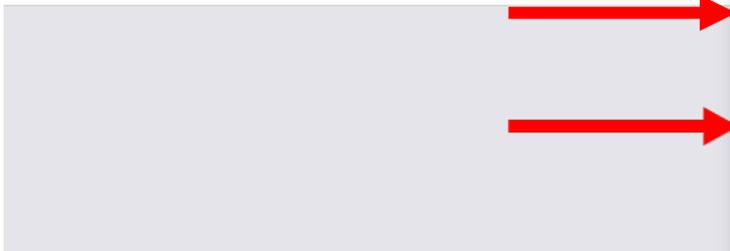
# New Image Uploader

Upload file(s)

approved



pending



009349057\_20190501180602442\_Photo\_anemometer\_NA\_Mast-Main.jpg

Instrument

Vessel View

Image Type

Location

Image Credits   
237 characters left

Picture Caption   
159 characters left

Approval  Approved  Not Approved

# Device Metadata Elements

## SIKULIAQ's Variables

Expand to view or modify the ship's variables.

[\[Show All\]](#) [\[Hide All\]](#)

only show variables for the date   [Today]

atmospheric pressure			
Designator	<input type="text" value="APRES"/>	Date Valid	<input type="text" value="02/01/2015"/> <input type="button" value="calendar"/> to <input type="text" value="Today"/> <input type="button" value="calendar"/> [Today]
Descriptive Name	Data Type	Units	Original Units
<input type="text" value="atmospheric pressure"/>	<input type="text" value="float"/>	<input type="text" value="millibar"/>	<input type="text" value="hectopascal"/>
<input type="text" value="Instrument Make &amp; Model"/>	<input type="text" value="Last Calibration"/>	<input type="text" value="Mean SLP Indicator"/>	<input type="text" value="Observation Type"/>
<input type="text" value="VAISALA PTU300 71E10B0A"/>	<input type="text" value="20140106"/>	<input type="text" value="at sensor height"/>	<input type="text" value="measured"/>
<input type="text" value="Distance from Bow"/>	<input type="text" value="Distance from Center Line"/>	<input type="text" value="Height"/>	<input type="text" value="Average Method"/>
<input type="text" value="0.61"/>	<input type="text" value="0.61"/>	<input type="text" value="14.94"/>	<input type="text" value="average"/>
Averaging Time Center	Average Length	Sampling Rate	Data Precision
<input type="text" value="time at center of period"/>	<input type="text" value="60"/>	<input type="text" value="0.5"/>	<input type="text" value="0.07"/>
SASSI Standard Deviation	SASSI Threshold		
<input type="text"/>	<input type="text"/>		

# Device Metadata Elements cont'd

## TestShip7's Variables

Expand to view or modify the ship's variables.

[Show All] [Hide All]

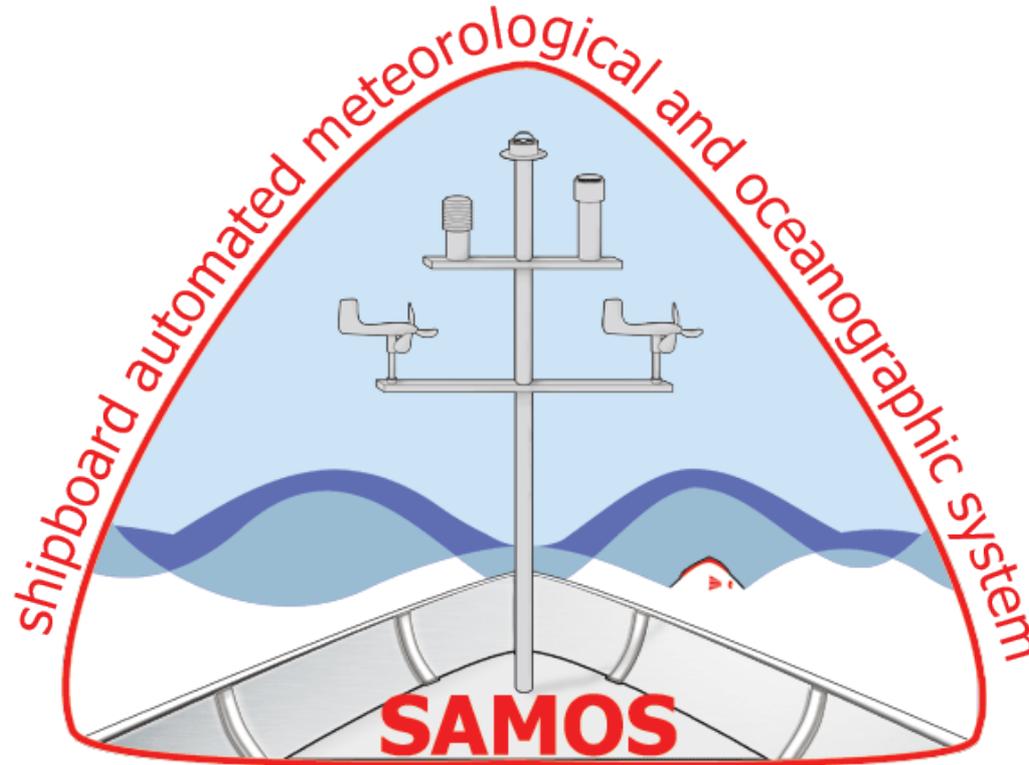
only show variables for the date Today  [Today]

sea temperature			
Designator	Date Valid		
SST	10/01/2019 to Today		
Descriptive Name	Data Type	Units	Original Units
sea temperature	float	celsius	celsius
Instrument Make & Model	Last Calibration	TS Sensor Category	Observation Type
SeaBird SBE45 Ser# 0445	20130609	thermosalinograph	measured
Distance from Bow	Distance from Center Line	Height	Average Method
			average
Averaging Time Center	Average Length	Sampling Rate	Data Precision
time at center of period	60	0.5	0.002
Intake Distance from Bow	Intake Distance from Center Line	Intake Height	
2	3.6	-3	
<input type="checkbox"/> Select All --Options for Selected-- [Process Selected Modifications] [Submit New Changes]			

# Data Loves a Shutterbug..



# Questions?



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