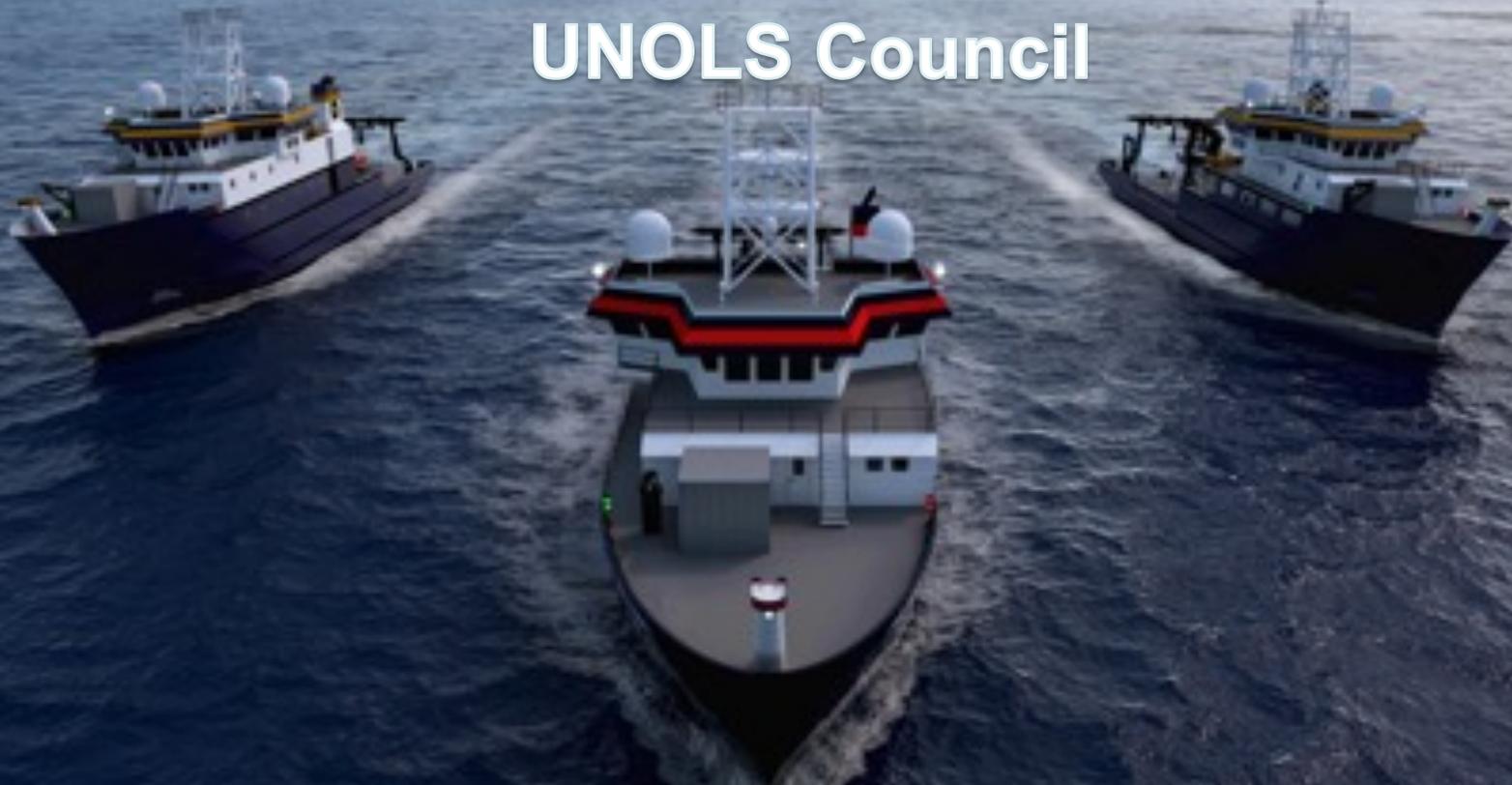


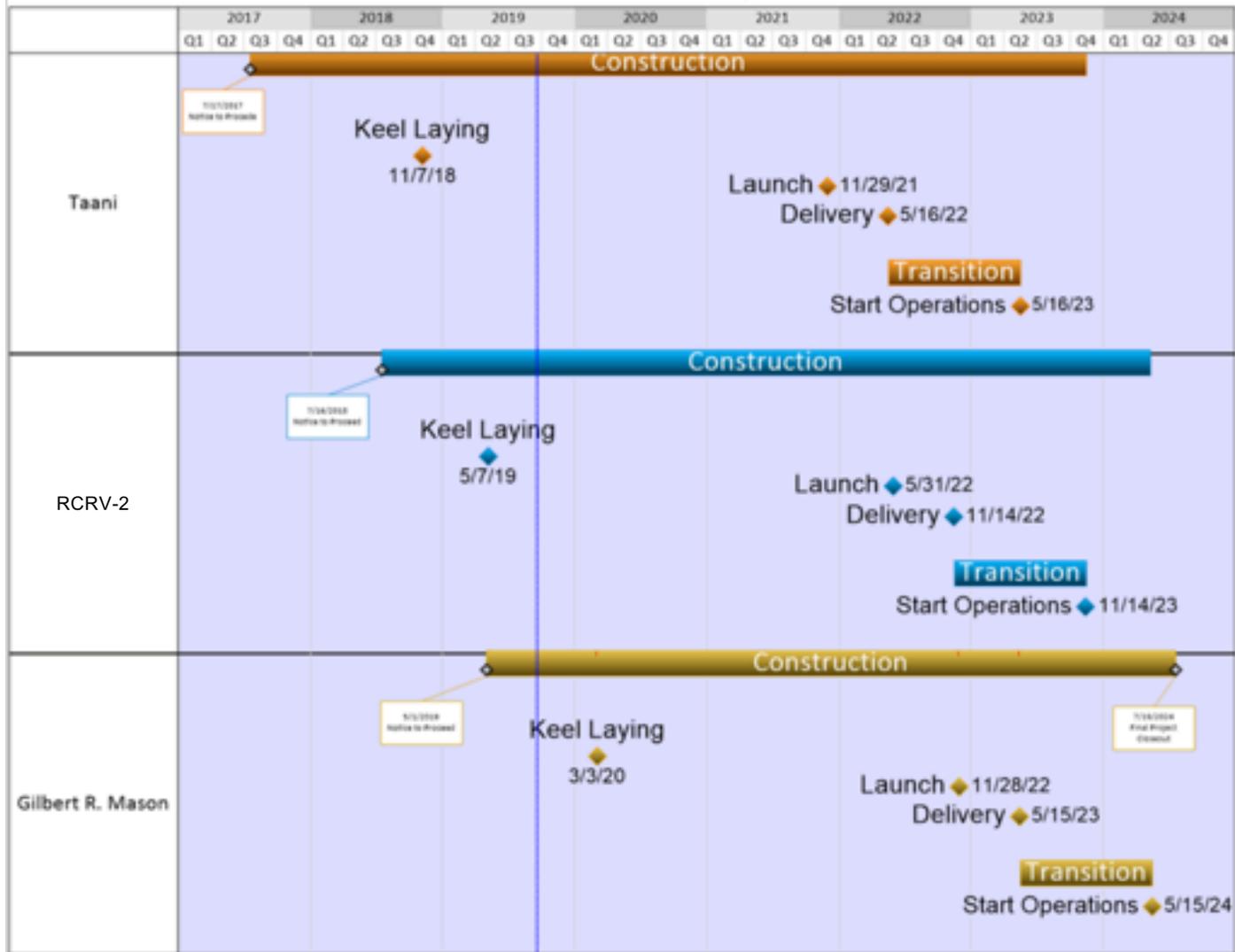


RCRV: STATUS UPDATE 2020

UNOLS Council



RCRV Schedule Summary





Ms. Aria Mason & LA Governor Bel Edwards watch as her initials are welded in a plate that will be affixed to the keel of R/V GILBERT R. MASON.
(Photo courtesy of USM)



GSO announces competition to rename new ocean research vessel

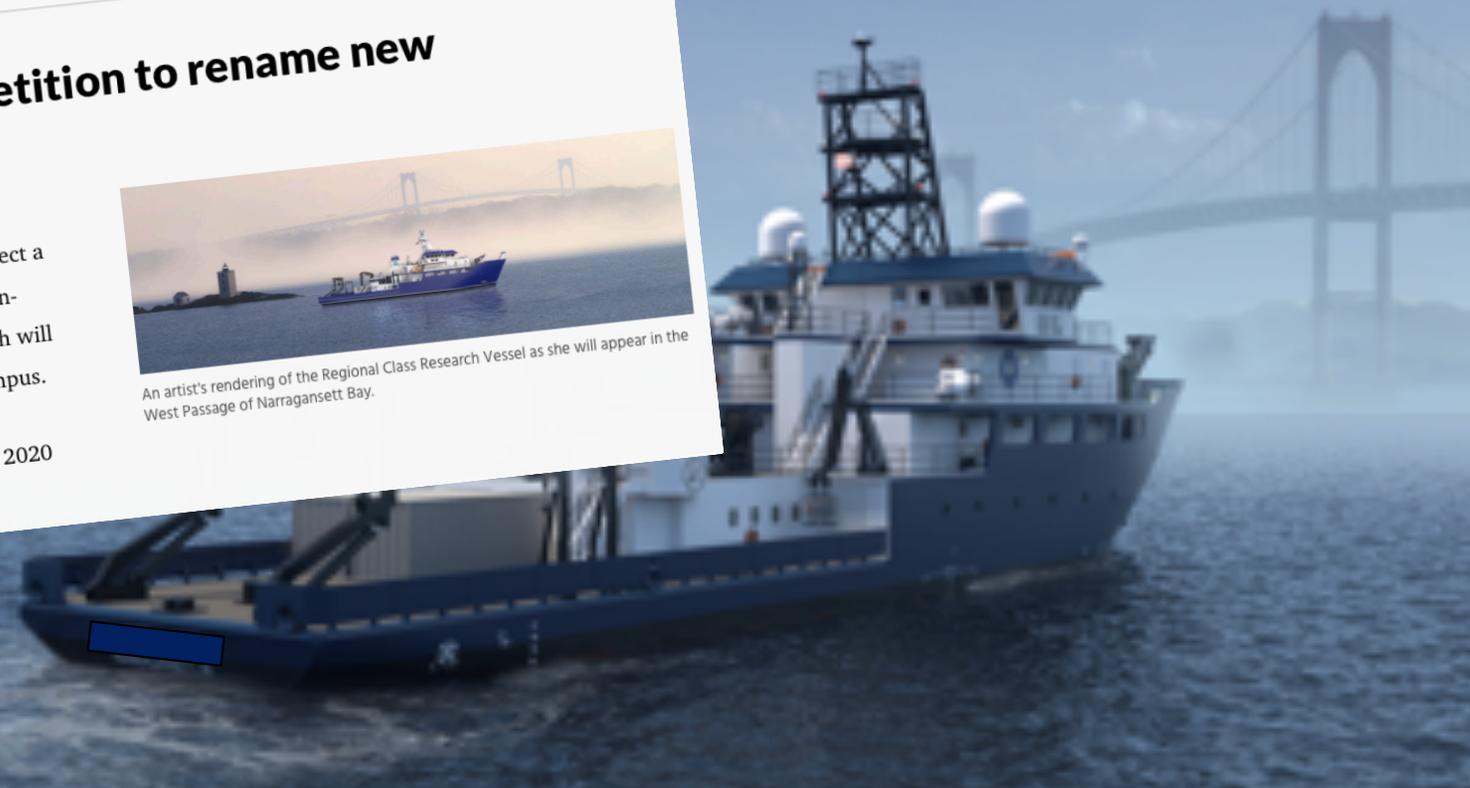
October 9, 2020

GSO is holding a national competition to select a new name for a National Science Foundation-owned Regional Class Research Vessel which will homeport at the URI Narragansett Bay Campus.

The [competition](#) will open on October 15, 2020 and end on December 31, 2020.

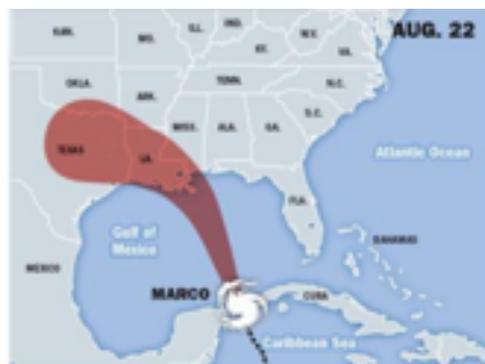


An artist's rendering of the Regional Class Research Vessel as she will appear in the West Passage of Narragansett Bay.





2020 Challenges on RCRV



+ Zeta!



4

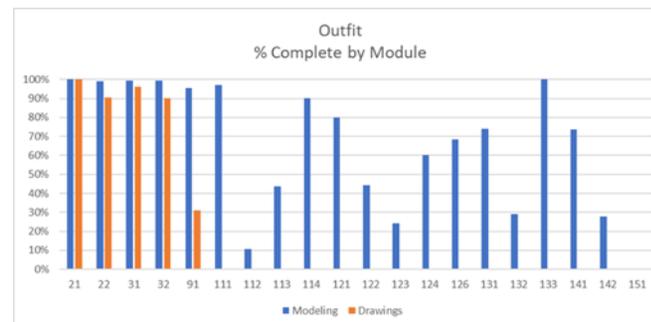
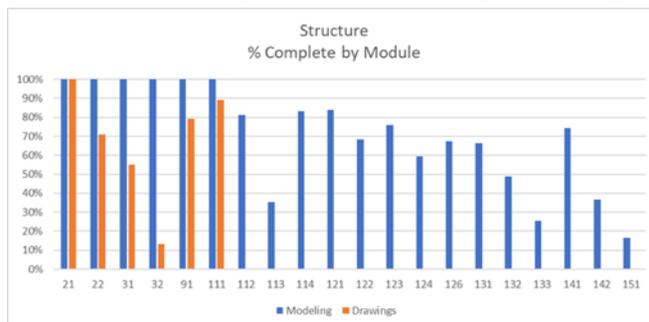
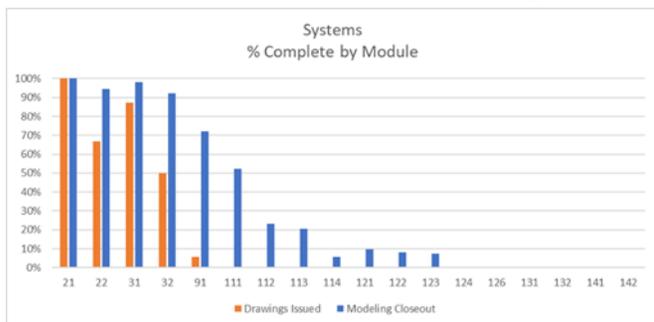


Gloston



Status Point 1 of 3: Modeling

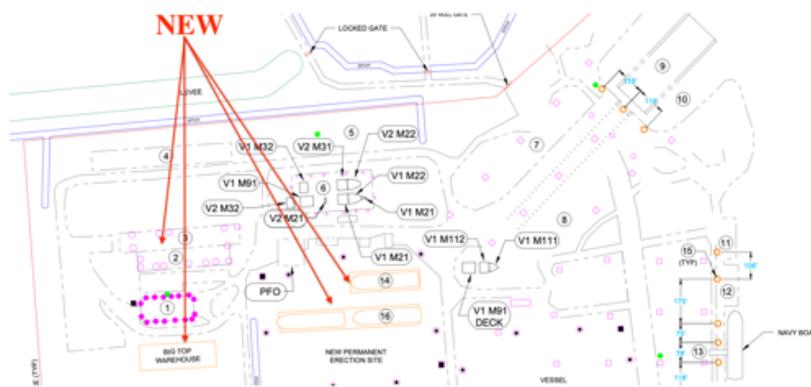
- OSU (Glosten) assumed modeling and production responsibility in March
 - Resulted in a 9-month production pause as Glosten brought production design
 - With regards to production, the pause was well timed WRT COVID.
- Virtual Presence is Actual Absence
 - Glosten modeling effort impeded by COVID related inefficiencies
- Most Difficult spaces (21, 22, 31) are mostly complete





Status Point 2 of 3: Production

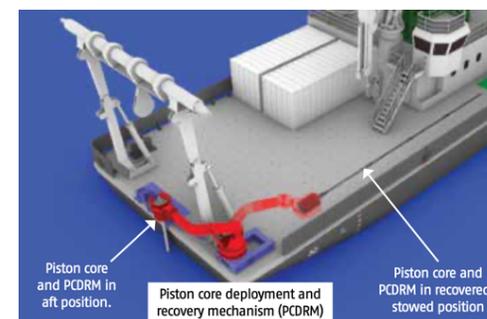
- Production was mostly paused between March and August.
 - It has slowly ramped up since early August
- GIS is actively increasing workforce to meet revised production schedule
- GIS used the pause to add facilities and works space





Status Point (3 of 3): Transition to Operations

- Innovative Coring Device Ready for RFP
- *Oceanus* and *Endeavor* extended through 2021, possibly through 2022
- Maintenance Management System selected
- Procurement and Outfitting Re-Planned for Delivery Delay
- Foundation set for Science and Operations Trials Planning
 - V1 Workshop tentatively 9/21



RCRV Data Presence

Integrated real-time system components:

Flow-through Sensors

Acoustic Sensors

Meteorological Sensors

M2M Telemetry Protocols

Satellite Communications

Shoreside Content Distribution

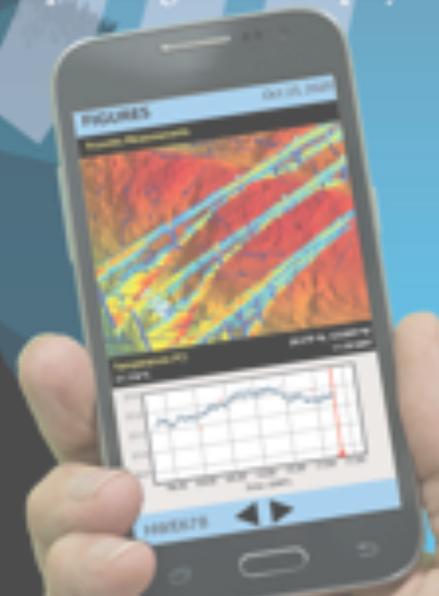
Ship's Navigational Display

• 2020 ACCOMPLISHMENTS

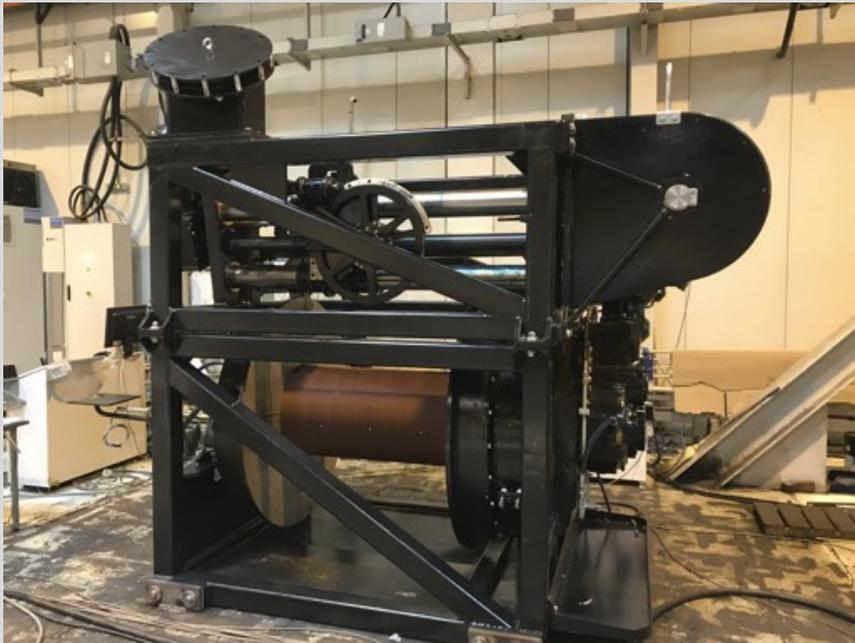
- System moved from proof of concept to Beta
- Deployed on *Oceanus*, *Endeavor*, *Point Sur*
- Close coordination with R2R and UNOLS Community

Enabling Remote Participation:

- Promotes situational awareness for shipboard and shoreside parties
- Facilitates turning observational data into operational information (adaptive sampling)
- Leverages shoreside support personnel and processes for real-time quality control



V1 Hydro Winch



V1 Stern Frame



V1 Launch and Recovery System



V1 Package Movement Capability



RCRV Taani - Cam 4 2019-04-02 19:34:25 CT





Regional Class Research Vessels Coming to an Ocean Near You Starting in 2021!

2
~~X~~



<http://webcam.oregonstate.edu/rcrv3>

