

For the Week of July 26, 2020



Weekly Hydro Ship Activity Report

Welcome to NOAA's Weekly Hydrographic Ship Activity Report! We hope you enjoy this reader-friendly layout for our weekly report as we update you on the progress of our NOAA-ship and contractor-run surveys.

Highlights of this edition of Weekly Ship Report

- *Ocean Surveys Inc.(OSI) commenced surveying last week in OPR-B300-KR-20 Long Island Sound.*
- *NOAA Ship Thomas Jefferson is closely monitoring the track of Tropical Storm Isaias and took shelter in Norfolk, VA.*
- *See this week's parting shot light up the dark sky offshore from Chesapeake Bay.*

NOAA Ships

FERDINAND R HASSLER

Recap

- *Hassler* is alongside in New Castle, NH preparing for surveying.

Looking Forward

- *Hassler* will survey following the reconstitution phasing.



THOMAS JEFFERSON

OPR-D304-TJ-20 Approaches to Chesapeake Bay

Recap

- *TJ* opened sheet H13394 and acquired crosslines and ~25% of mainscheme data.
- Bottom samples in H13391 and H13394 were collected on 31JULY.
- *TJ* retrieved a TPU from Klein which seems to have resolved a data gap issue and ran a side scan certification on 28JULY.



- The ship broke operations at 0900 on 01AUG and anchored to allow opportunity to conduct launch exercises.

Looking Forward

- *TJ* is closely monitoring the track of Tropical Storm Isaias and the plan for the week is dependent upon the impacts of the storm.

FAIRWEATHER

Recap

- *FA* is alongside in Seattle, WA preparing for surveying.

Looking Forward

- *FA* will survey following the reconstitution phasing.



RAINIER

OPR-T383-RA-20 Hawaiian Islands & Vicinity

Recap

- *RA* was alongside in Honolulu, HI preparing for surveying.

Looking Forward

- *RA* will get underway for the survey grounds off the Hawaiian Islands next week.



OCEAN SURVEYS, INC.

OPR-B300-KR-20 Long Island Sound

Recap

- Three vessels were mobilized and calibrated and transited to the work site.
- *RV Able 2* and *RV Osprey* collected mainshceme data in H13385 and H13386 for most of the week.
- *RV Ready 2* arrived o site at the end of the week.

Looking Forward

- Mainscheme and crossline data collection will continue in H13385 and H13386.
- Tropical Storm Isaias is forecast to pass overhead late Tuesday and is expected to impact operations.



OPR-E350-KR-19 Southern Chesapeake Bay, VA

Recap

- *MV Atlantic Surveyor* had data processing ongoing to define remaining gaps and items, as

well as refining the shallow areas for the *RV Oyster Bay II* to adjust the survey plan. The vessel is currently shutdown pending results of this processing.

- *RV Oyster Bay II* also continued survey operations on Sheet 2 (H13301).

Looking Forward

- 02AUG *RV Oyster Bay II* will continue survey operations on Sheet 2 (H13301) and continue on Sheet 4 (H13304), and Sheet 5 (H13306).
- Some weather related delay is forecast early week as Tropical Storm Isaias moves up the east coast.



OPR-R385-KR-20 Norton Sound, AK

Recap

- TerraSond surveyed in sheets H13370 and H13371 with *Q105* and *ASV-CW5* until transiting to Nome on 12JULY where they completed scheduled crew change and resupply.
- *Q105* and *ASV-CW5* returned to H13371 and H13370 by 13JULY and surveyed primarily in H13370 for the remainder of the week.
- Drone flights throughout the week in H13370 for shoreline and assigned feature investigation.

Looking Forward

- *Q105* and *ASV-CW5* will continue to survey in sheet H13370, H13371, and H13372, working shallow areas with *ASV* and drone flights as the weather allows.
- TerraSond will take shore tide staff shots late week or early the following week.



OPR-R355-KR-20 Herendeen Bay, AK

Recap

- All vessels completed patch tests and vessel to vessel reference areas.
- Mainscheme data was collected in H13380. Fill plans, perpendicular 400m spaced set lines and XL were acquired in H13377, H13378, H13379 and H13380.
- *R/V 505* swing shift was discontinued.
- No data was collected on 29JULY from *RV 505* or *RV Rapid* due to weather.
- *RV Norseman* completed bottom sample acquisition.

Looking Forward

- *RV 505* and *RV Rapid* will continue mainscheme data collection in H13380.
- *RV 505*, *RV Rapid* and *RV Spectrum* will continue set lines and fill plans in H13377, H13378, H13379, and H13380.



OPR-Y395-KR-20 Chicago, IL

Recap

- *RV Substantial* arrived in Chicago and began onsite mobilization and systems calibrations.
- *RV Benthos* surveyed mainscheme in H13369 and performed fill and investigations project-wide.

- *RV Chinook* surveyed some mainscheme in H13369 and and performed fill and investigations project-wide.
- Weather at the end of the reporting week kept all boats dockside for a few days.

Looking Forward

- *RV Chinook* will collected fill and investigations and then plans to demob on 03AUG.
- *RV Benthos* will continue fill and investigations and assist on mainscheme in H13363.
- *RV Substantial* will survey mainscheme on H13369.



OPR-J359-KR-20 Apalachicola, FL

Recap

- *GO Freedom* demobilized.
- *MV Pelagos* acquired full coverage MBES in H13357 and ODMBES in H13290.
- *Koach Kline* mobilized for MBES operations and vessel offset survey and calibrations were completed on 26JULY. While serving as the tender vessel for USV acquisition, *Kline* commenced MBES acquisition in H13361 and H13360.
- *FAS-901* acquired set line MBES data in H13361 concurrently with and via control from *Koach Kline*.
- On 30JULY, demobilization commenced for *FAS-01* and on 31JULY the ASV was transported off-site for LARS trials.

Looking Forward

- *MV Pelagos* will continue acquisition of ODMBES in H13290.
- *Koach Kline* will continue ODMBES and set line MBES acquisition in H13360.
- *GO Freedom* and *FAS-901* will be demobilized.

Weekly Parting Shot



In addition to the hydrographic survey work *Thomas Jefferson* does, *TJ* also collect weather data while underway. ENS Mark Meadows captured this lightning shot last week.

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[Link to 2019 Story Map](#)

[Link to 2020 Story Map](#)