UNOLS Year in Review

UNOLS Office
2020 Annual Meeting – October 2020
UNOLS Year in Review

- **December 2019**
  - AGU meeting – San Francisco
    - DeSSC Meeting
    - Deep Submergence New Users Meeting
    - MSRO Meeting
    - UNOLS Office supported R/V *Sally Ride* Open Houses as part of the AGU Centennial Celebration
- **January 2020**
  - AICC Annual Meeting - Seattle
    - Recognition of HEALY’s 20 years of supporting Arctic Science
    - Tours of R/V *Sikuliaq* & USCGC HEALY
  - MFP Requirements Workshop with Developer - Maas Software Engineering (MSE)
  - UNOLS Newsletter – Volume 34, No. 1
• February
  ▫ Ship Scheduling Committee – 2021 scheduling kickoff meeting at SIO
  ▫ Contract established with MSE for UNOLS MFP development

• March
  ▫ Keel Laying R/V Gilbert R. Mason – Houma, LA
  ▫ **Coronavirus Halts Science Operations**
    ● 17 March – 30 Day Pause in Science Operations
    ● UNOLS COVID-19 Web page developed
    ● 30 March – Pause extended to ~ 1 July 2020
    ● Online meetings with agencies and vessel operators
  ▫ R/V Endeavor returns to the U.S. from overseas deployment
UNOLS Year in Review Cont’d

- April
  - Coronavirus Impact Continues
    - 15 April – Initial UNOLS “Guidelines” promulgated
    - UNOLS establishes repository for COVID-19 related documents for use by vessel operators
    - UNOLS Office issues guidance for updating 2020 schedules with return to operations ~ 1 July
      - Prioritization of science
      - Risk assessments – focus on Low Risk cruises
      - Depart / Return to U.S. ports only
    - Conducted online meetings with PIs and UNOLS Operating Institution Directors
  - R/V Thomas G. Thompson returns to U.S. from overseas deployment
  - R/V Atlantis successful transit to shipyard for mid-life refit – first shipboard COVID-19 protocols document and Operator/Agency/UNOLS risk review
  - UNOLS Newsletter – Volume 34, No. 2
UNOLS Year in Review Cont’d

- **May**
  - R/V *Marcus Langseth* returns to U.S. from overseas deployment
  - R/V *Sikuliaq* successfully conducts 1\textsuperscript{st} research cruise since the Pause – NGA LTER/Hopcroft. Preceded by UAF / Chief Scientist / NSF / UNOLS Risk Review
  - R/V *Pelican* successfully conducts mooring cruise
  - Other COVID-19 Related Activities
    - NSF / OCE held Town Hall Meetings
    - Virtual meeting – Agencies, Marine Superintendents & GW Maritime Medical
    - UNOLS Office virtual meetings with UW Medical & Discovery Health
    - Follow up virtual meeting with Marine Superintendents
  - Completed shift of UNOLS Office IT Infrastructure
    - STRS moved to cloud-based computing – MS Azure
    - Moved to Google services – email, groups, calendar, drive, etc.
    - Closed out sub-award to University of Delaware
  - AICC - Work with USCG Announcement reg. 2021 HEALY NWP & Baffin Bay Science of Opportunity. UNOLS posts notification seeking Letters of Interest from the Science Community
UNOLS Year in Review Cont’d

• June
  - COVID Guidelines document further updated
  - Jonathan Gutoff (Roger Williams University) named as Dennis Nixon’s replacement in the UNOLS Risk Manager / Legal Advisor role upon Dennis’ retirement at the end of 2020
  - Conducted COVID-19 related Webinars
    - 2020 PIs for cruises that were scheduled on ARF vessels
    - Telepresence
  - R/V Neil Armstrong successfully completes OOI cruise – the first of 4 successful cruises to the North Atlantic
  - R/V Atlantic Explorer completes shipyard in Jacksonville & successfully conducts science on return trip to Bermuda
  - AICC – Summer Meeting (Virtual)
  - DeSSC – Annual Meeting (Virtual)
  - Scheduling – restarted 2021 Cruise Planning Process via virtual meetings
UNOLS Year in Review Cont’d

July
- Determination that remaining 2020 UNOLS meetings will be virtual
- UNOLS Return to Operations FAQs posted on website
- Conducted virtual Council Meetings
- Started ~ monthly Marine Superintendent Check-In virtual meetings
- UNOLS Office participation in the National Ocean Exploration Priorities in the Pacific workshops
- MSROC – Virtual Summer Meeting
- UNOLS Newsletter, Volume 34, No. 3
- NSF Announcement that Columbia University-LDEO would be purchasing R/V Marcus Langseth and ship operations will continue through 2024

August
- RVSS Update – initial recommended changes by Safety Committee’s Jeff Garrett for upcoming 11th Edition
- RVTEC – developing virtual meeting format

September
- Ship Scheduling - Major issues resolved - Posting 2021 Ship Schedules
- Revised Annual / Council / FIC meeting format to a series of 60-90 minute Webinars
UNOLS Year in Review Cont’d

- October
  - 72 cruises completed or in process since the restart of ARF science operations. Cruises vary in duration from 1 to 44 days
  - First virtual UNOLS Annual Meeting
  - Virtual RVTEC Meeting 26-30 October
MFP Update

Welcome to Marine Facilities Planning

This website allows scientists to request ship time on the vessels of the U.S. Academic Research Fleet.
Hello Doug Russell,

Welcome to your personal UNOLS portal. Here you can apply for ship time and use of national marine facilities and/or pooled equipment. You can also manage your personal equipment.

To see an overview of the scheduled cruises have a look at the UNOLS Schedules.

+ New Application

Active Applications  Archive

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<tr>
<td>- Complete cruise request form</td>
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MFP Update Cont’d
### MFP Update Cont’d

#### Map Overview
![Map Image]

**Total Time:** 16d 19h  
**Travel Time:** 16d 10h  
**Time at Stations:** 0d 9h  
**Total Distance:** 3953nm

#### Summary of Stations
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<th>Station Name</th>
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**More Details:**
- Additional information and data can be accessed through the application interface.
- The map highlights key locations and routes for research and monitoring activities.
- The table provides a clear overview of each station's distance, travel time, and duration at the station.

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**Anniversary Meeting**

**October 2020**
MFP Update Cont’d

- This shows you the functions that are available
- Architecture adapted to support incorporation of additional U.S. entities (i.e. USCG) that could share appropriate data and utilizes similar modules & processes that are customized to the user’s needs
- Current Status
  - Finalizing SME (Scientist Module)
  - Starting to test Schedule Construction module
    ▪ UNOLS Office loaded many 2019 STRs so we can assemble them into schedules using MFP
  - Transitioning essential data from STRS to MFP
    ▪ Funding sources
    ▪ Organizational info
  - Developing generic PM Workflow to use as a starting point for the system
  - Developing a General Intro to the system & its capabilities in the next few weeks
  - Coordinating a demo of the Inventory Management module for RVTEC by the developer
MFP Next Steps

• Further Schedule Construction module development
• Test Schedule Construction
  ▪ Initially with UNOLS Office
    ● Incorporate changes
  ▪ Bring in Several UNOLS Schedulers
    ● Incorporate changes
  ▪ Roll out Scheduling to UNOLS Schedulers
    ● Customization for each operator - generally along Big Ship & Smaller Ship class lines
  ▪ Develop 2022 Schedules in MFP
• Further develop Project Management & Inventory Management Modules so they can support cruise planning as well as vehicle / equipment / science van management