NDSF Data & Software Initiatives Update

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General Data & Software Updates

Vehicles

- Users appreciate the timelaspes created for the Alvin GoPros PCAR 2024
- Users across all 3 vehicles are very positive about dedicated data engineers aboard every cruise. PCAR 2024
- Request for previous dive tracks as overlay in NavG PCAR 2024
 - Evaluating as a new feature request
- Request for video data to be hosted online so data is accessible to everyone PCAR 2024
 - Financial and Copyright constraints are currently prohibitive to this.

Continued Community Engagement

- SOVA Data & Software Focus Group
- Hosted Community Input Session for Optimizing At-Sea Data Operations (Jan '25)
- Planning Fall Data Workshop that coincides with SOVA and Ocean Floor Explore (Map the Gaps/GEBCO)
 - Training for use of data resources
 - Optimizing and safeguarding data

MGDS

- Collaborative focus on dive metadata and data distribution normalization
 - Alvin Metadata Project Sofia Vakhutinsky and Joe Garcia
- YAML file creation to expedite data ingestion
- Revitalization and integration of NDSF metadata web services
 - Stood up at MGDS need to make public on NDSF website



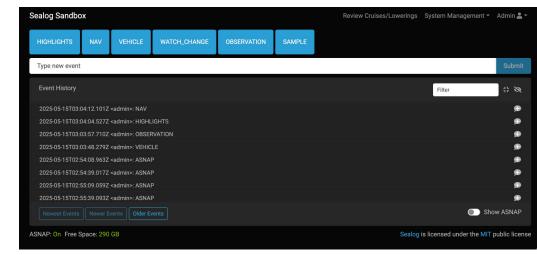


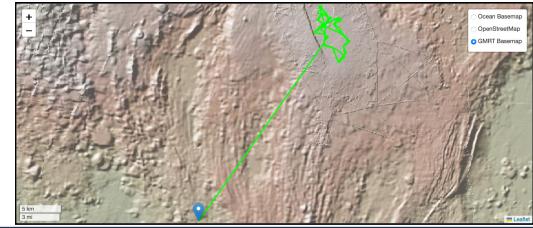




Sealog Updates

- Critical updates to Sealog front/backend Node infrastructure to ensure software security.
 - Tested and deployed during Alvin Eng.
 Cruise and then applied to Jason
- Successful development of Sealog Sandbox
 - Launching on website by end of month.
- Addition of GMRT (basemap of GeoMapApp) tileserver to Atlantis/Alvin and Jason systems
- Unauthorized users can now see cruise and description without access to dives.
- Automated API tests











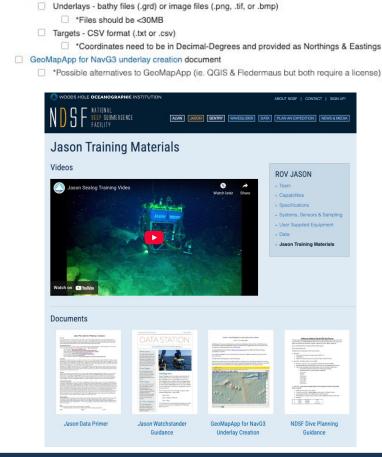




Pre-Cruise Planning Updates

- Mixed review of pre-cruise planning checklists PCAR 2024
 - Iterative process with users and vehicle managers
- Improved Underlay and Dive Planning Guidance
 - Additional training documents
 - Improved talking points on pre-cruise planning checklist
- Addition of Alvin In Hull Briefing Video
- Addition of Waveglider Section on NDSF Website
- Revamp of Training Materials page on NDSF Website
 - Hope to make training section more visually pleasing and user engaging.
- Addition of "Request Data" button on NDSF website

NDSF Website



Guidance on Navigation Files for NDSF Dive Planning

NDSF Dive Planning document











Questions/Feedback

Reach us at nds-info@whoi.edu







