

21st Meeting of the South West Pacific Hydrographic Commission

National Report by

United States of America



IHO

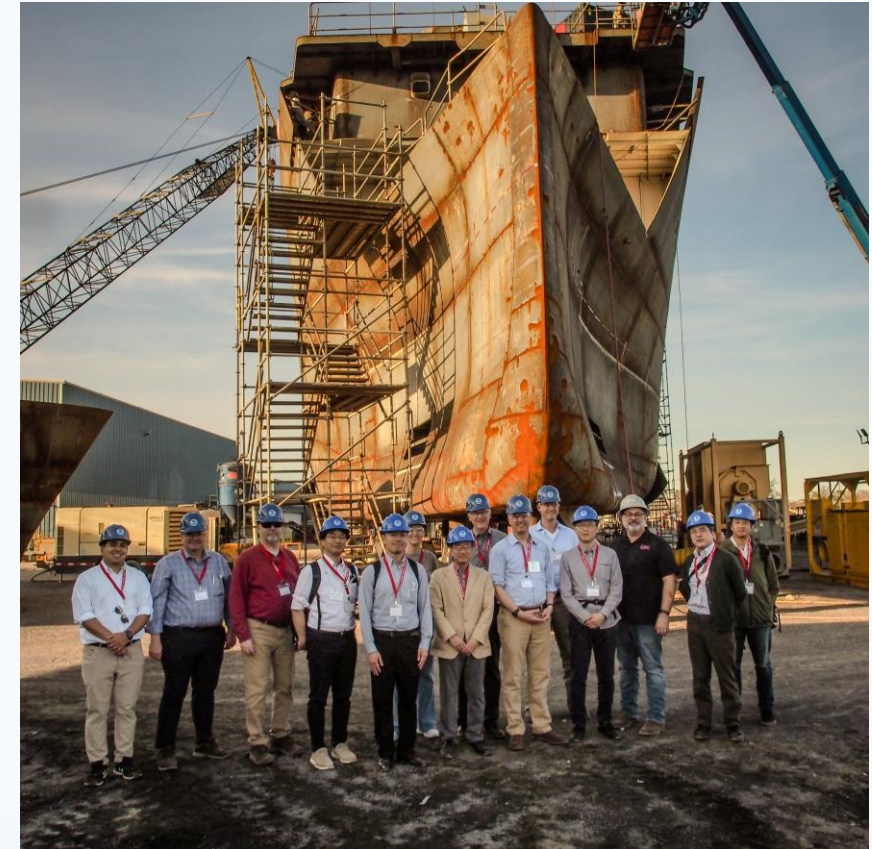
International
Hydrographic
Organization

South West Pacific Hydrographic Commission



Main achievements during the year

- New Ships
 - NOAA 2 new Oceanographic 2024, 2 new Hydrographic 2025
 - Navy new T-AGS 60 Oceano/Hydrographic Survey vessel 2026
- Hydrographic Surveying
 - 2023 NOAA surveys around American Samoa and Pacific Remote Island Areas, with additional work at Kanton Island for Kiribati
 - Industry partnering - 2023 Navy LiDAR within Federated States of Micronesia
 - Industry partnering - 2023 NGA SDB data covering Tuvalu and Palau
 - Industry Partnering - 2023 NGA Saildrone of seamounts in “Area” of South Pacific
- ENC Gridding
 - NOAA re-gridding entire suite of S-57
 - NGA building global Grid of S-57 as first step in preparation for transition to S-100
- S-100 preparation
 - NOAA, NGA, Navy and USCG working with Industry to establish how to transition into S-100 framework



IHO

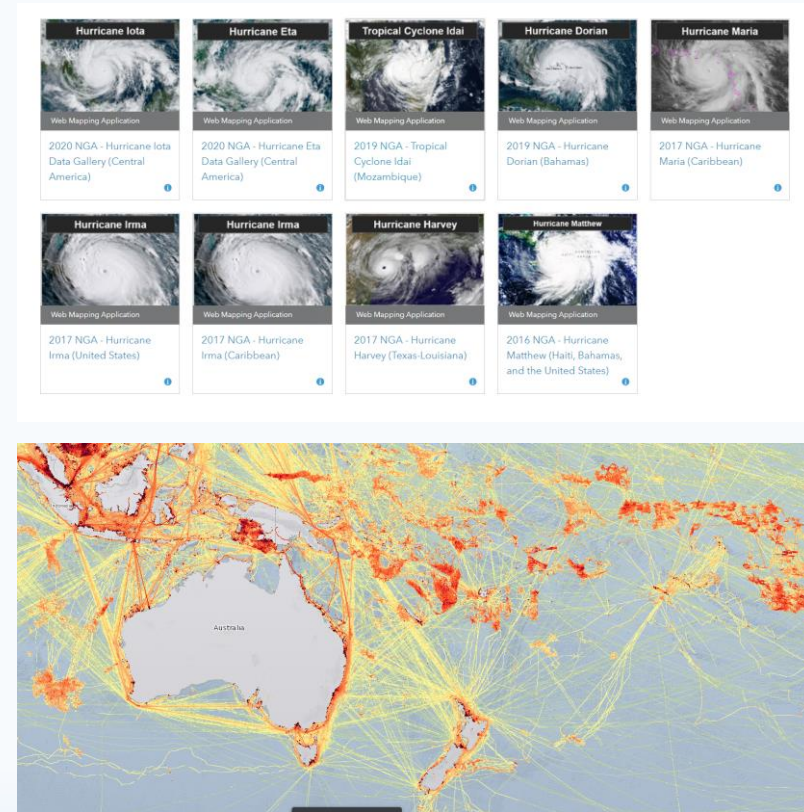
International
Hydrographic
Organization

South West Pacific Hydrographic Commission



Main challenges and/or obstructions

- Multiple efforts underway to prepare for the future geospatial challenges the existing resources
 - Recognized need to engage agency leadership to support the vision of S-100 for maritime geospatial data
- Shutdown of Legacy products (paper nautical charts) requires alignment of national and international regulatory environment.
 - Current - if no ECDIS, digital data not authorized
 - Modernizing RTCM ECS standard to reflect new digital environment.



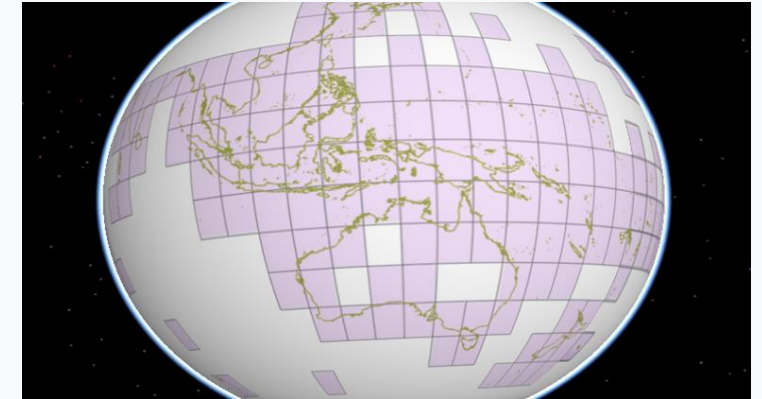
IHO

International
Hydrographic
Organization



Any other matters of interest

- Beyond the Blue: Illuminating the Pacific Campaign
 - NOAA Ocean Exploration project to map, explore and characterize the Pacific Ocean seabed – cross agency participation in cooperation with Pacific Island Nations.
- Satellite Computed Bathymetry Assessment (SCuBA)
 - NASA ATL03 ICESat-2 data improved processing methodologies
- Updated World Magnetic Model and WGS84 reference frame
- Grand Challenge to forecast industrial fishing – including the detection of illicit activity to support endorsement and prevention of IUU.



IHO

International
Hydrographic
Organization

