

22nd Meeting of the South West Pacific Hydrographic Commission

National Report by

United States of America



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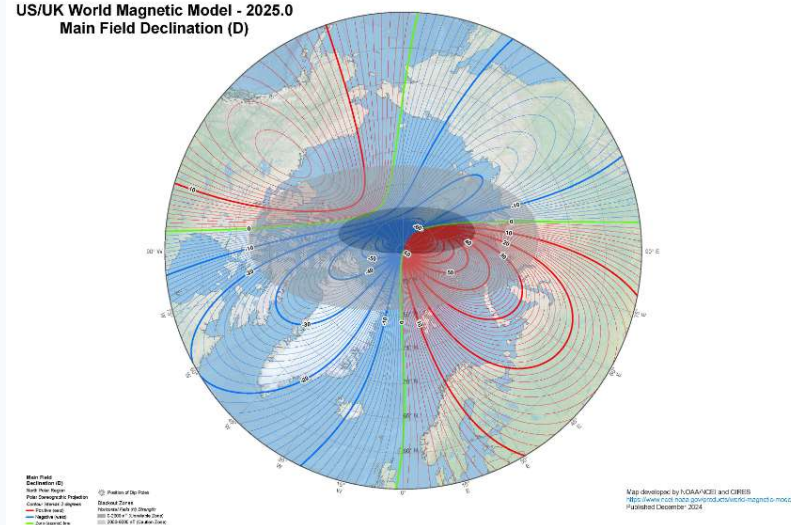
South West Pacific Hydrographic Commission



Main achievements during the year

- **Worldwide ENC Coverage**
 - NGA completed global ENC portfolio in 2024
- **Satellite Computed Bathymetry (SCuBA)**
 - U.S. public release of SCuBA data for enhanced coastal bathymetric mapping
- **Surveys**
 - E/V Nautilus collected multibeam sonar data between Hawaii, American Samoa, Howland and Baker Islands, and Palau
- **World Magnetic Model (WMM2025) Released**
 - High-resolution; predicts the Earth's main magnetic field from 2025-2030
- **Technological Advancements:**
 - Development of Crowdsourced Bathymetry initiatives enable easier discovery and access via IHO DCDB
- **NOAA 2024 Nautical Charting Plan**
 - Transition from paper charts to an enhanced electronic navigational chart (ENC) system

US/UK World Magnetic Model - 2025.0
Main Field Declination (D)



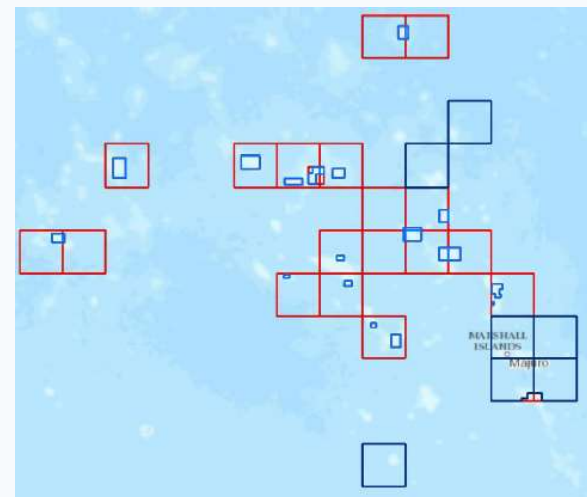
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Main challenges and/or obstructions

- **Re-gridding over PCA areas**
 - Rescheming and regridding, adjusting for gaps and coverage overlaps to be coordinated regionally
 - Most of RMI complete, Palau and FSM to come
- **Need for increased MSI coordination**
- **S-100 Transition**
 - Developing a broad (multi-agency) S-100 implementation strategy/ roadmap
- **Paper Chart Cancellation**
 - NGA Certified Printed ENC (CPENC) – updates based on ENC change detection
 - NOAA Custom Chart – customized paper charts



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Any other matters of interest

- **Upcoming surveys**

- Airborne LiDAR (Woolpert) – Yap, FSM and Majuro, RMI

- Continued partnership with [Beyond the Blue Campaign](#)

- Capacity Building

- NOAA hosted 3 capacity-building candidates during the 2022, 2023, and 2024 survey season



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