

Cruise Summary

1. Cruise Information

- Cruise ID MR18-04 Leg-2
- Name of vessel R/V MIRAI
- Title of cruise The observational study to construct and extend the "western Pacific super site network"
- Chief Scientist Masaki Katsumata [Affiliation]
- Cruise period Aug.13, 2018 - Sep.06, 2018
- Ports of departure / call / arrival depart Chuuk / call Hachinohe / arrive Sekinehama
- Research area western Pacific

2. Overview of Research Activities

To reveal the ocean-atmosphere interaction over the western Pacific, especially focusing on the variation of the western Pacific "warm water pool", we deployed / recovered three surface mooring buoys ("TRITON buoy") and one ADCP subsurface mooring buoy. In addition, the enhanced ship-based observations (using radiosonde, C-band weather radar, CTD / XCTD, surface drifting buoys, etc.) were conducted along the ship track, especially around the buoy at (13N, 137E). The detailed data on various processes of the air-sea interaction over the western Pacific were successfully obtained.