

YMC and EIOURI Contribution to IIOE-2

Projects: Years of the Maritime Continent (YMC) and Eastern Indian Ocean Upwelling Research Initiative (EIOURI)

Ship: R/V MIRAI

Cruise Code: MR17-08

Period: November 21, 2017 - January 4, 2018

Ports of Call: Singapore, Jakarta

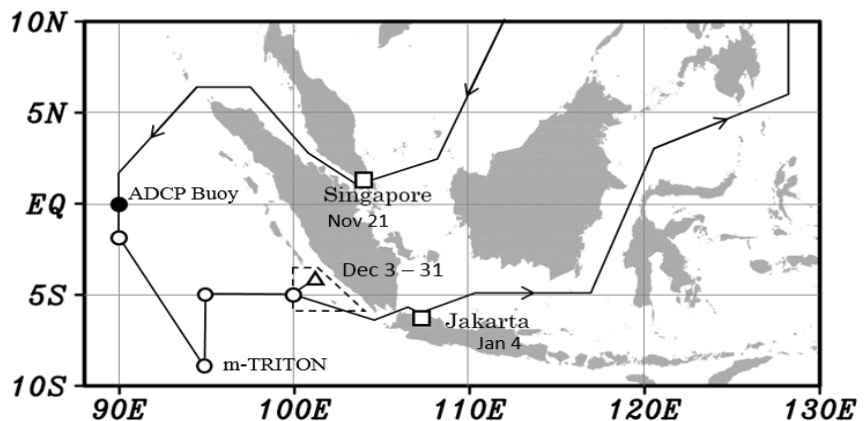
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Participants: Japan - JAMSTEC, Univ. of Tokyo, Univ. of Toyama, Kyoto Univ.
Indonesia - BMKG, BPPT
US - Univ. of Hawaii/IPRC

Objectives: This cruise is designed to study diurnal cycle of rain, the Madden-Julian oscillation, and their interaction near the coast line in the well-known upwelling region. In addition, maintenance of m-TRITON buoys and sub-surface ADCP moorings as part of RAMA array will be conducted.

Observations: <Onboard> C-band polarimetric Doppler radar, Radiosonde, Lidar, Ceilometer, GNSS-derived water vapor, Surface meteorology, Aerosols, rain/water vapor stable isotope, CTD with water sampling, ADCP, Microstructure profiler, Ocean surface monitoring, etc.
<Floats> Argo floats, wave-glider
<Moorings> m-TRITON (1.5S, 90E), (5S, 95E), (8S, 95E), (5S, 100E) sub-surface ADCP (0, 90E)



R/V MIRAI MR17-08 cruise track. Circles indicate mooring sites, while triangle indicates planned stationary observation site for one month starting from December 3, 2017.

Remarks:

- 1) YMC web site <http://www.jamstec.go.jp/ymc/>
EIOURI web site <http://www-masu.s2.weblife.me/EIOURI/>
- 2) Quality-controlled data will be released from YMC web site within one year after the campaign completion.
- 3) In conjunction with this cruise, land-based observation at Bengkulu, Sumatra will be conducted during November 16, 2017 through January 15, 2018.