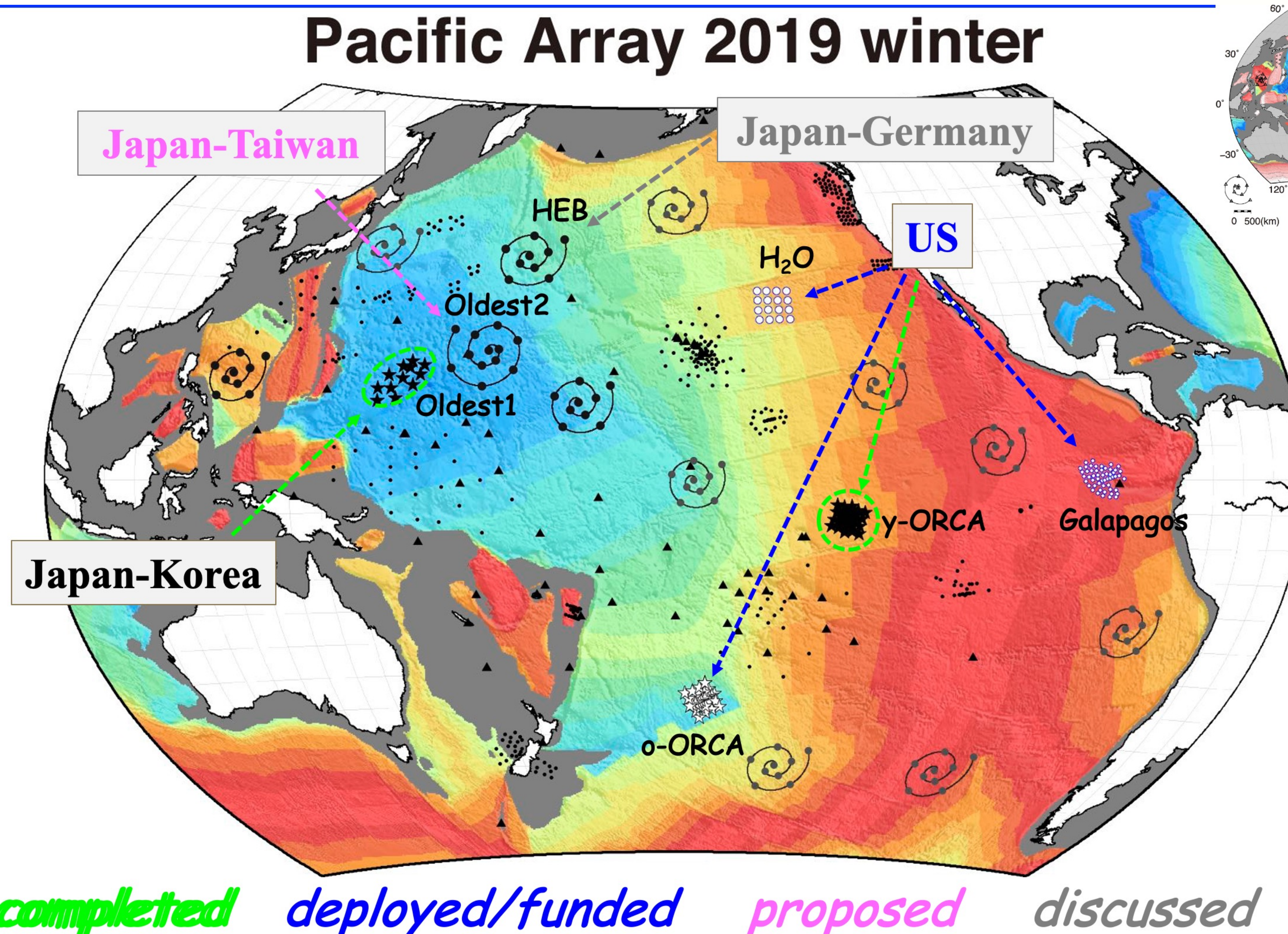
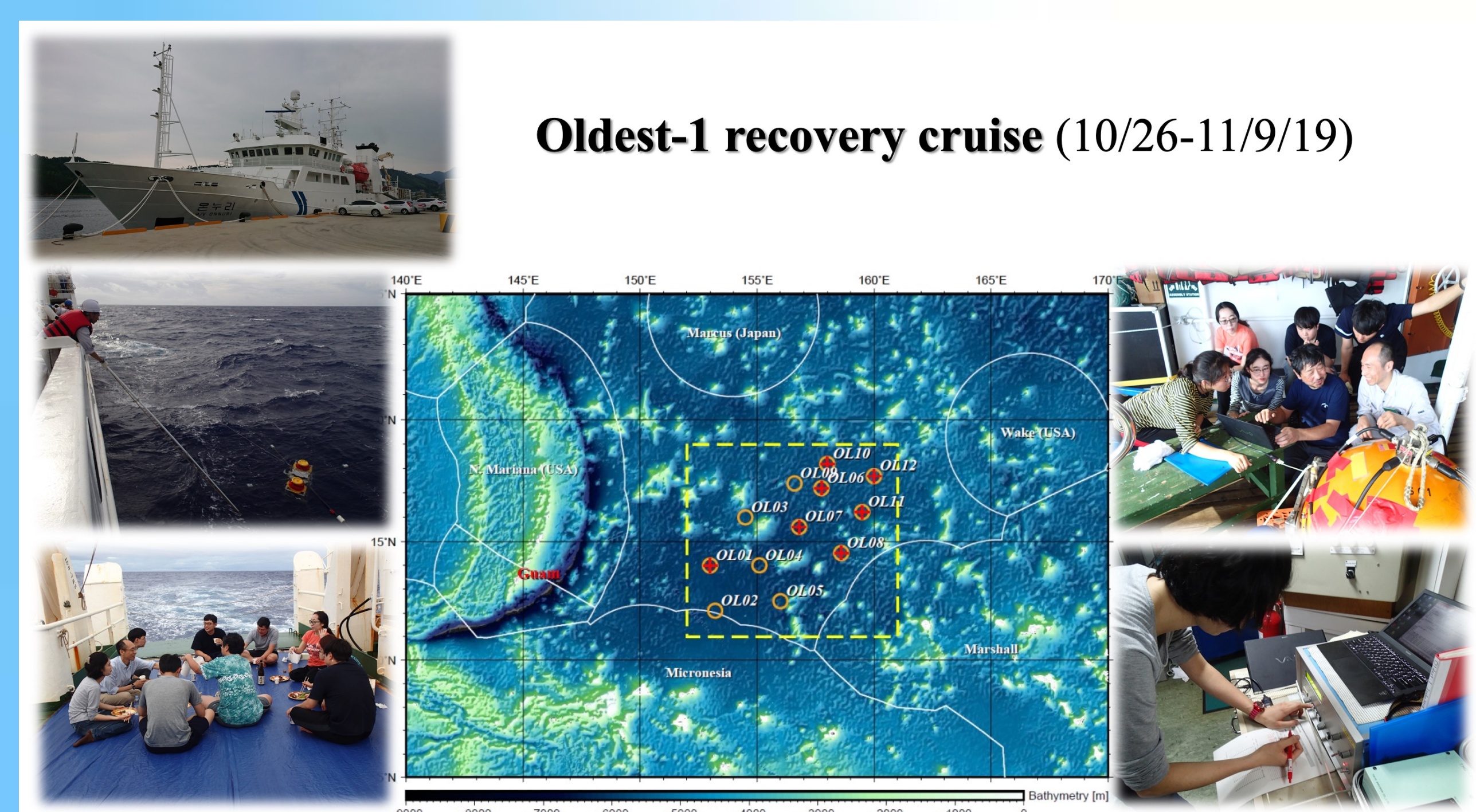
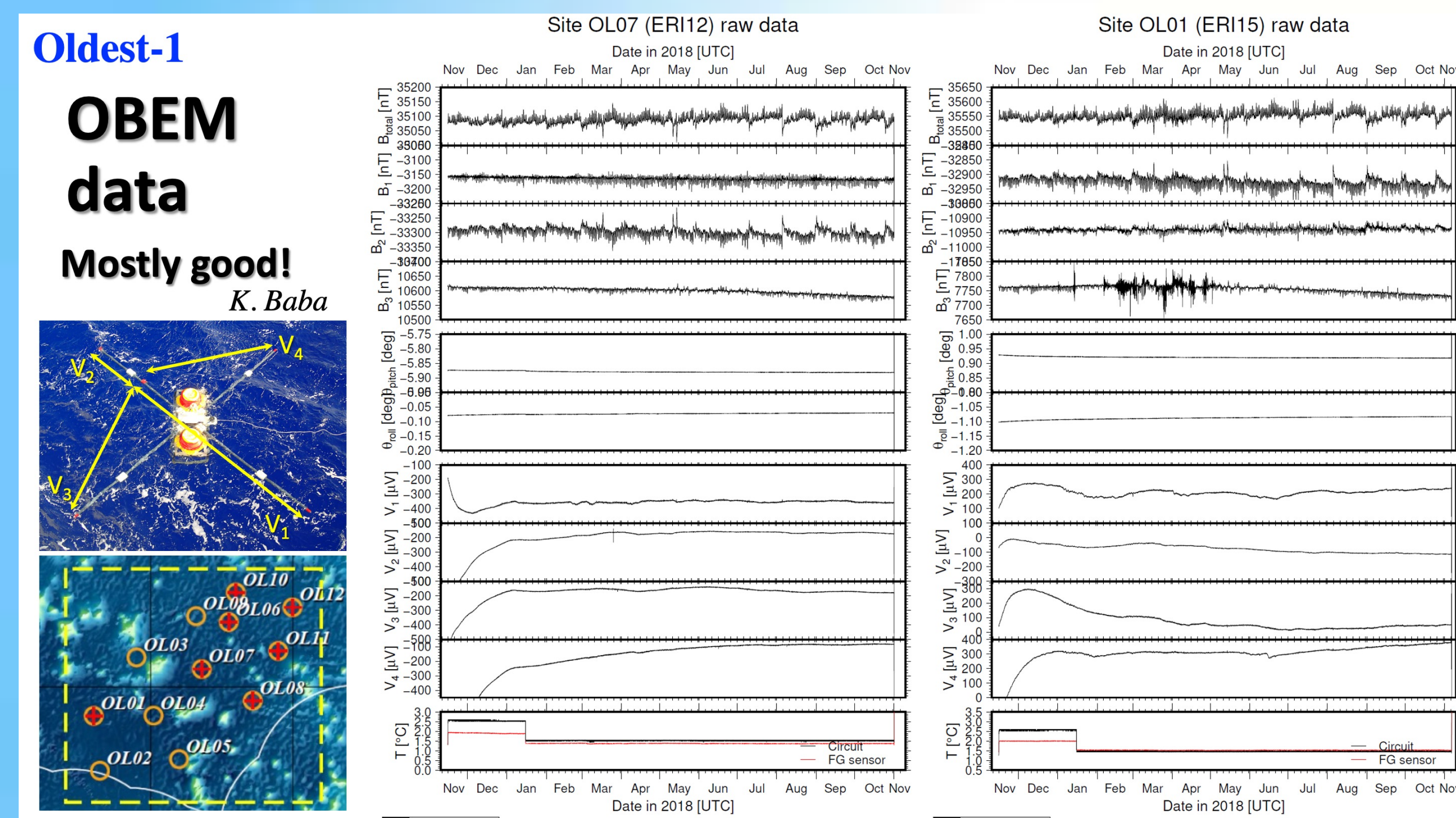
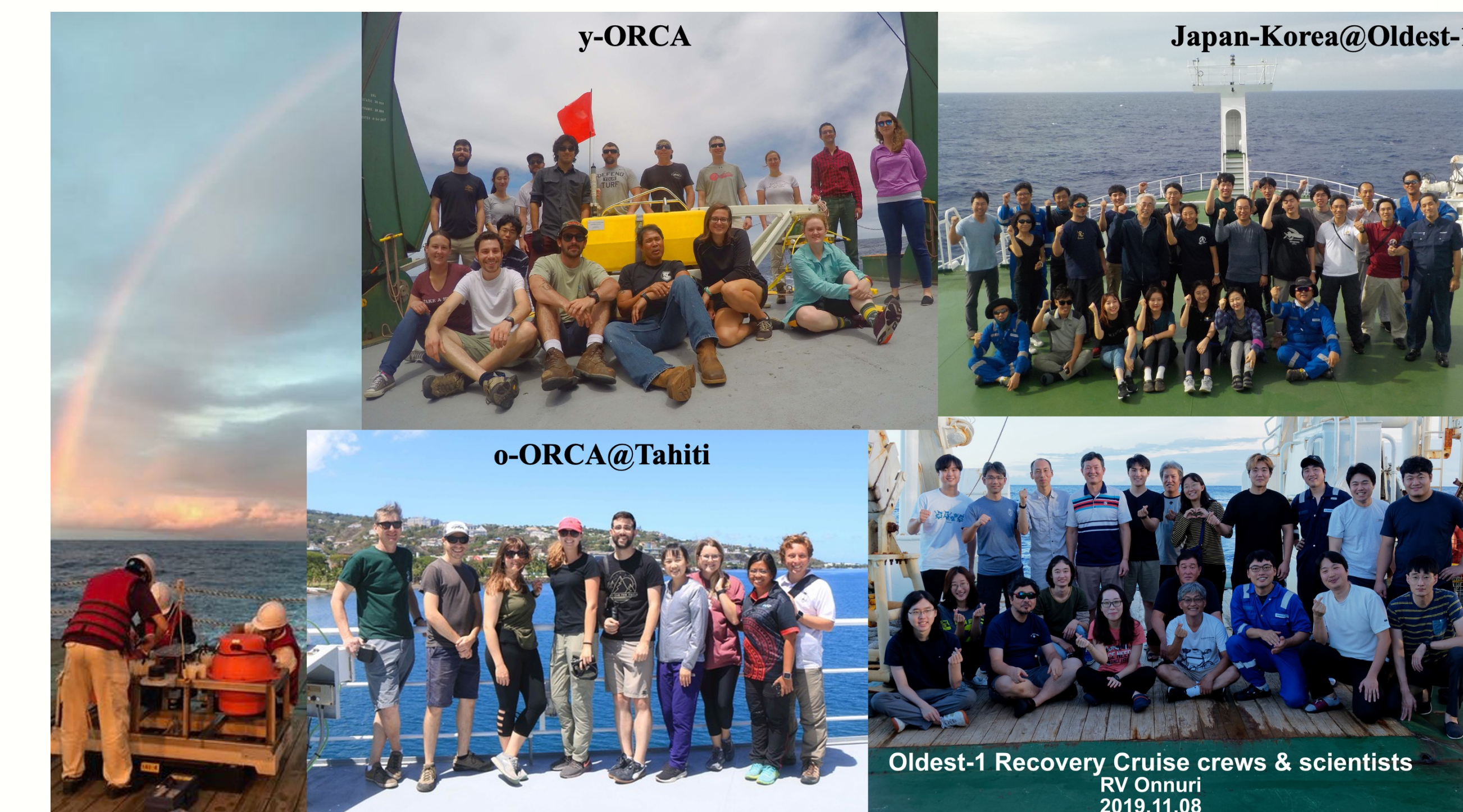
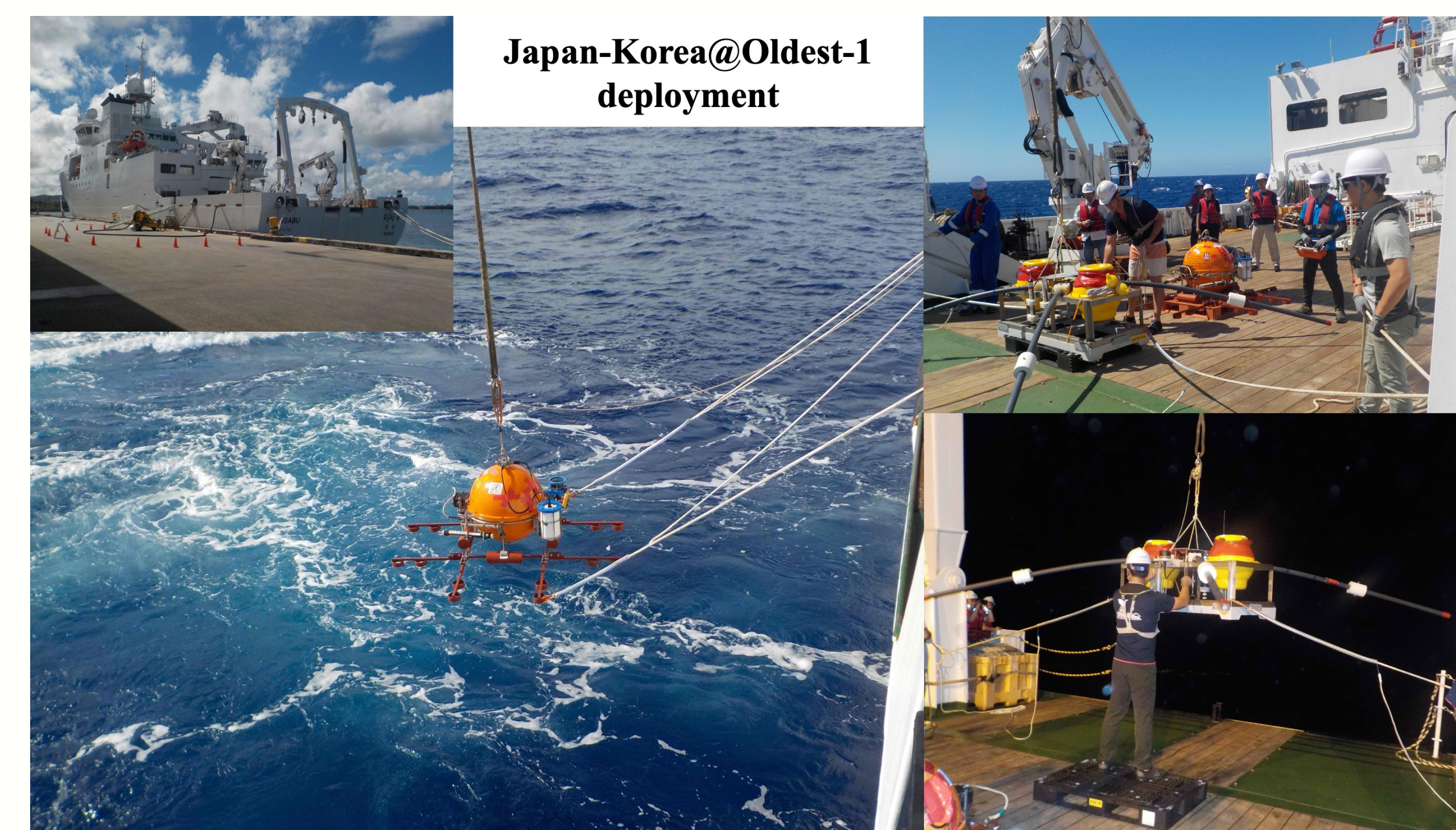
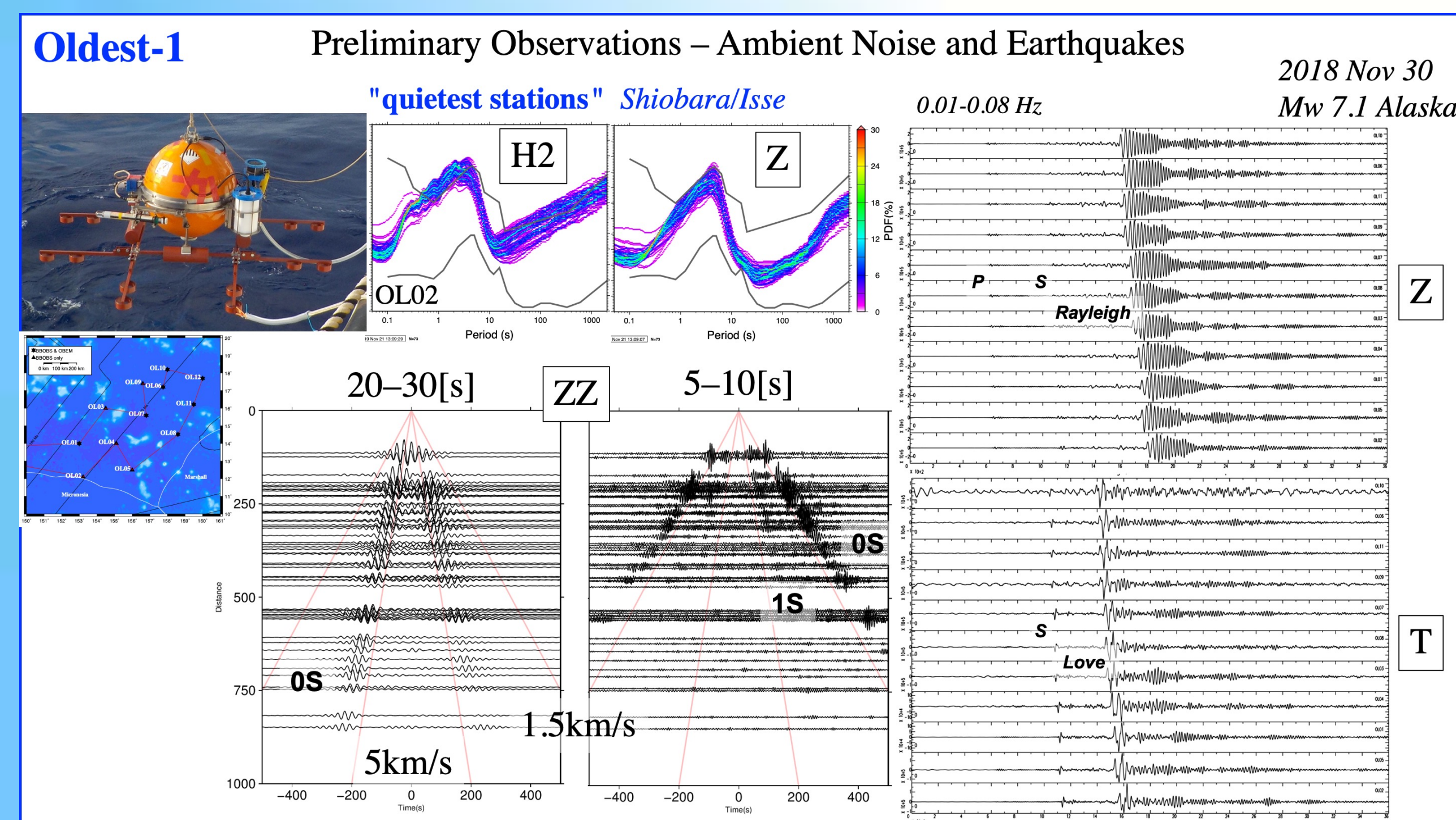


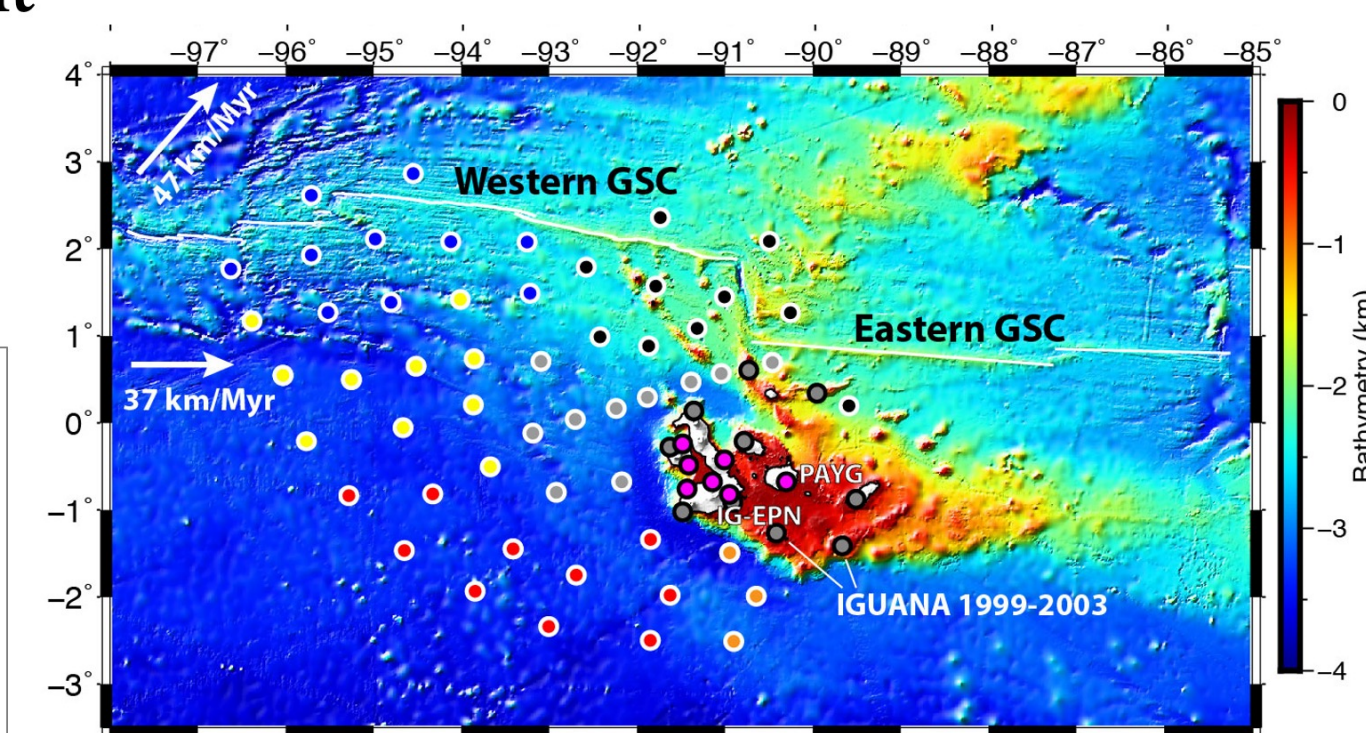
Oldest Array (Pacific Array on the oldest seafloor), the first result

H Kawakatsu¹, H Utada¹, S-M Lee², YH Kim², H Shiobara¹, N Takeuchi¹, K Baba¹, T Isse¹, A Takeo¹, and Hg Kim²
¹ERI, Univ. Tokyo, Tokyo, Japan, ²Seoul National University



An Open-Access Experiment to Seismically Image Galapagos Plume-Ridge Interaction

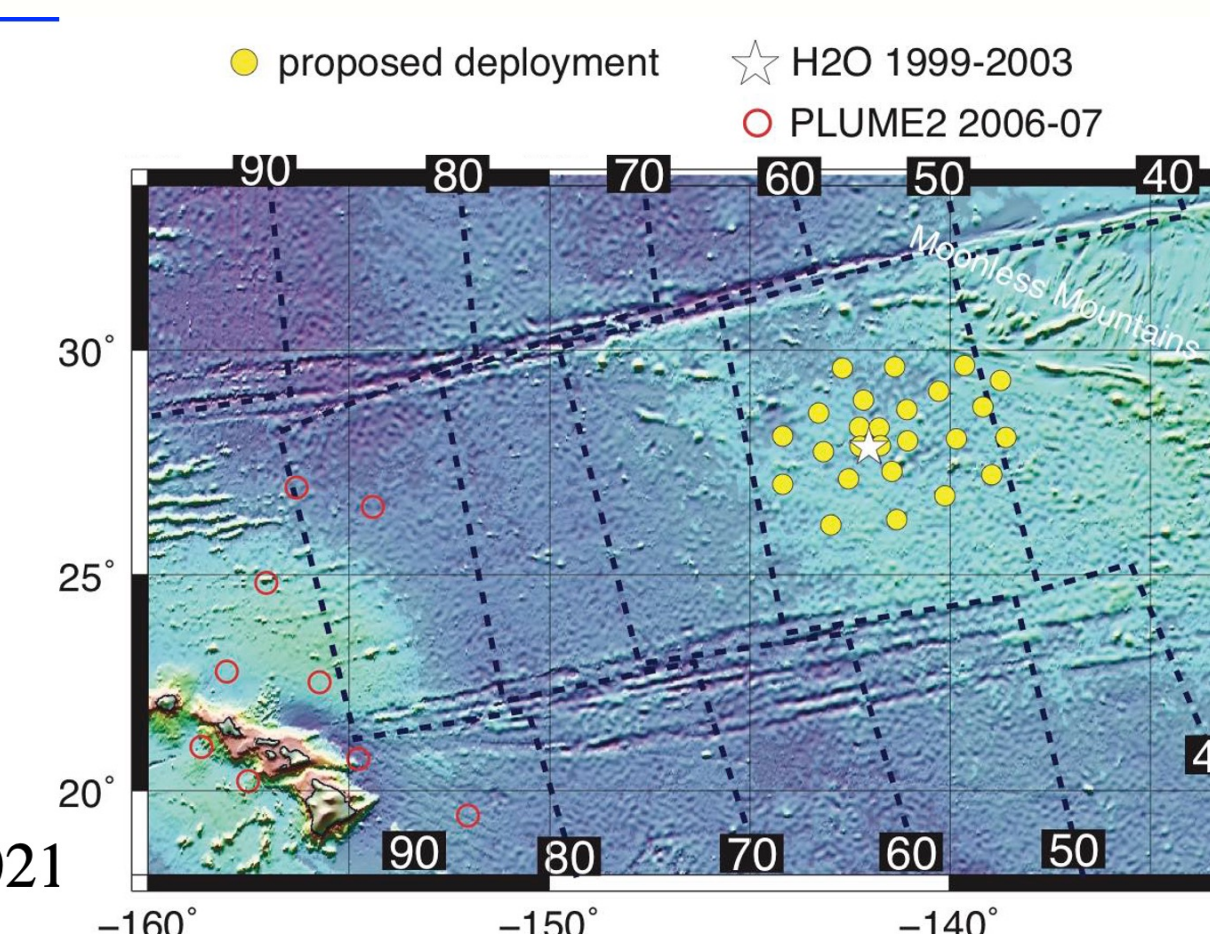
U.S. Scientists
 Emilie Hooft, Doug Toomey, U. Oregon
 Garrett Ito, U. Hawaii
 Yang Shen, U. Rhode Island
Ecuadorian Collaborator
 Mario Ruiz, Inst. Geophys., EPN



- 15-month OBS deployment starting in winter 2021 (pending instrument and ship scheduling and budget process)
- 53 Broadband OBSs to be provided by the US OBSIC
- GSN station PAYG and 6 IG-EPN BB stations plus previous temporary BB stations on the islands

Mapping and Understanding Seismic Anisotropy in the Northeast Pacific Ocean

U.S. Scientists
 Gabi Laske, Donna Blackman, SIO
 John Collins, WHOI
International Collaborator
 Kate Rychert, Nick Harmon, U. Southampton
 Christine Thomas, Münster U.



- 15-month OBS deployment starting in early 2021
- 25 Broadband OBSs (US OBSIC)
- around old H2O site

local:

- study of 40-50 Myr-old Pacific lithosphere
- evidence for reheating event or normal
- oceanic lithosphere?

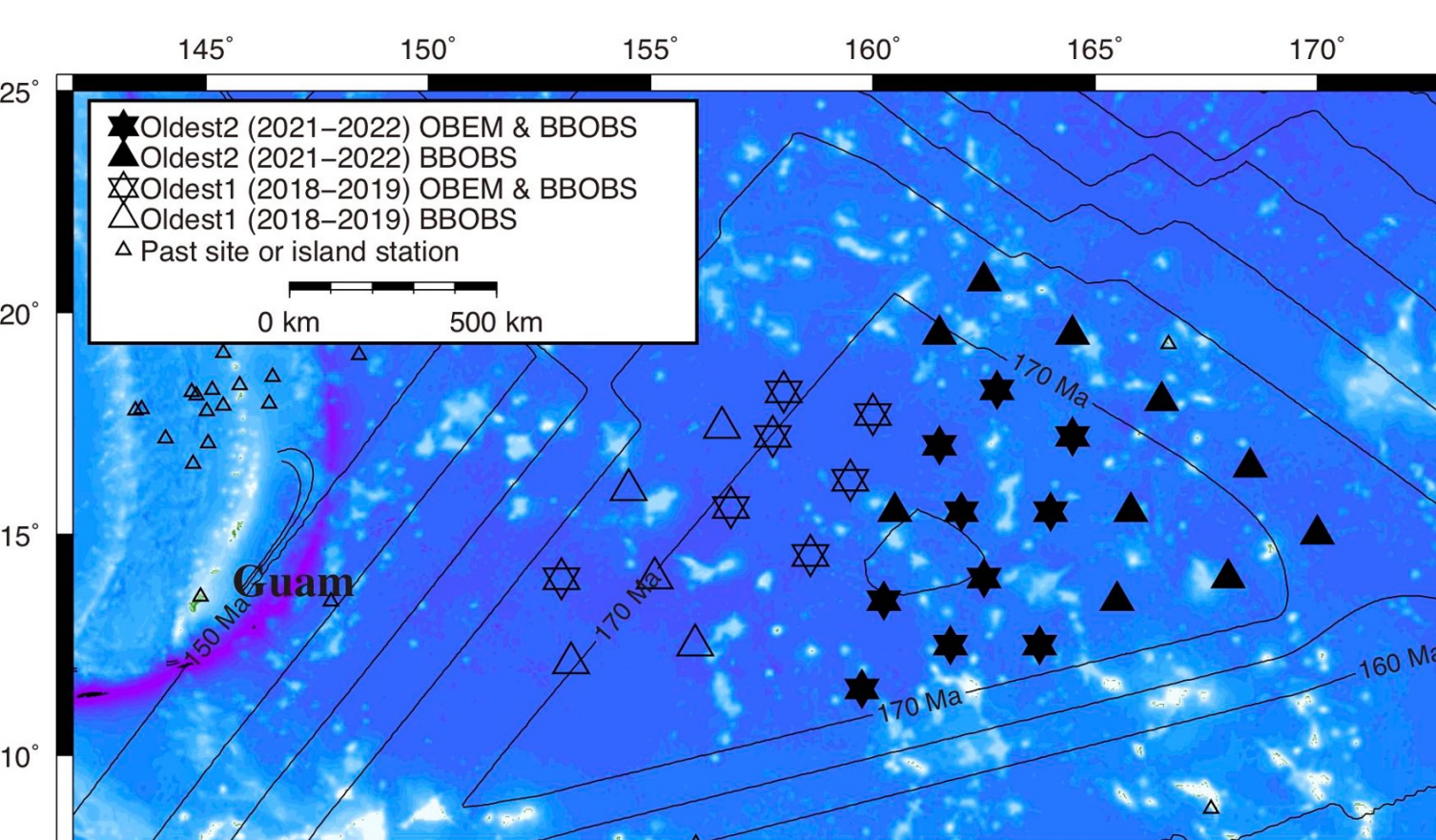
global:

- fill crucial hole in global images and D'' studies
- upper mantle anisotropy vs heterogeneity



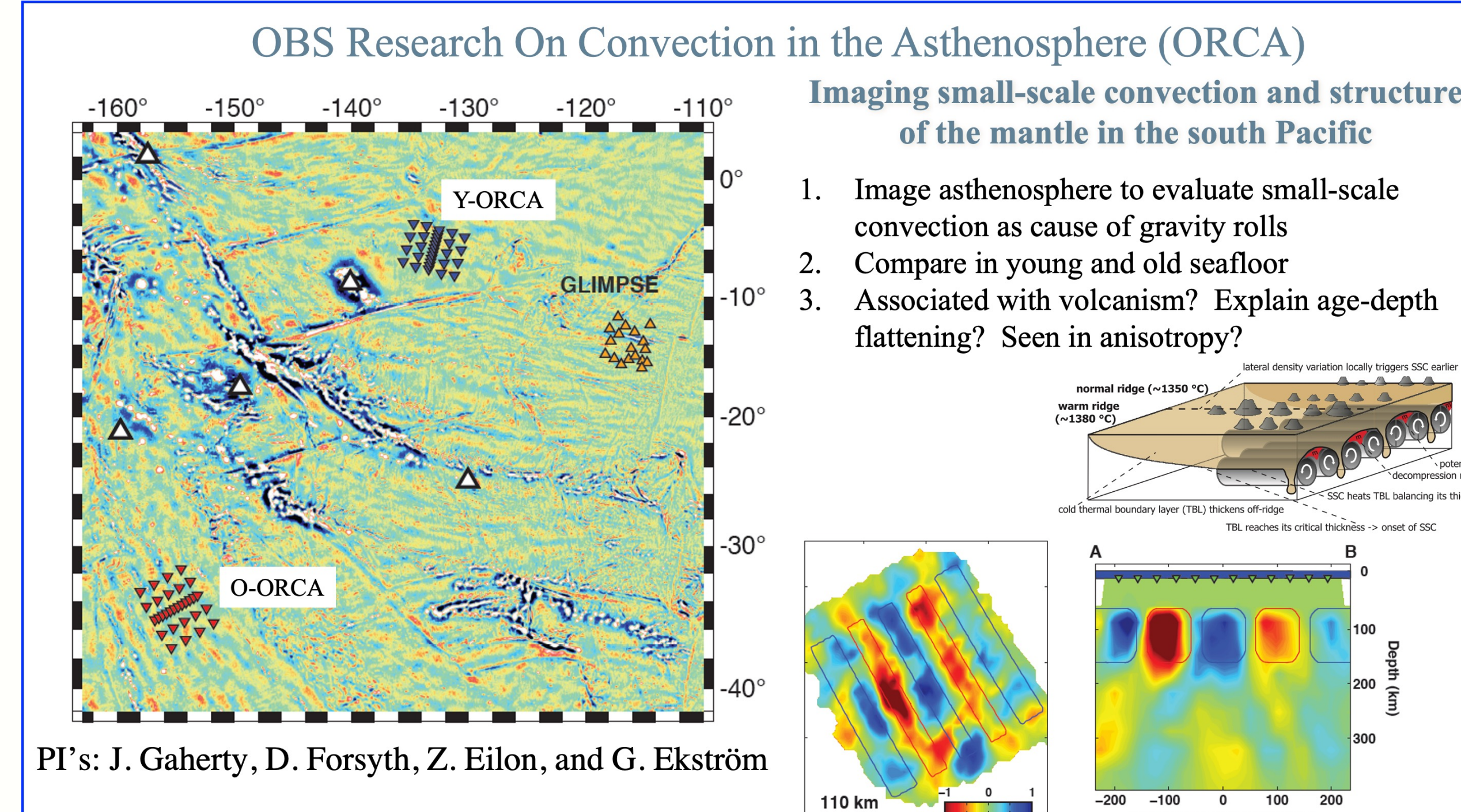
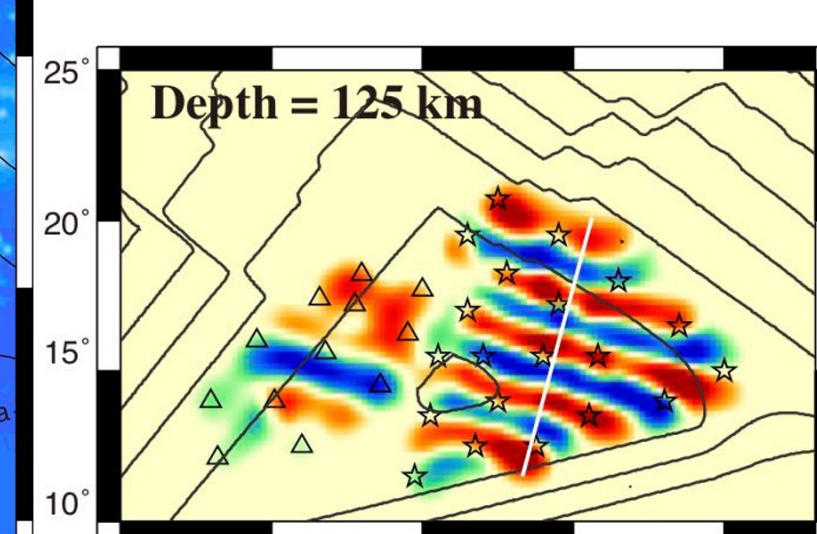
Oldest Array

- **enigma of seafloor flattening**
- **dynamics of the birth of Pacific plate**



Oldest-1 (2018-19)
 Japan-Korea
Oldest-2 (2021-22 ?)
 Japan-Taiwan

OBS/OBEM from ERI
 Shiptime from Korea/Taiwan



Pacific Array Web Page:

<http://eri-ndc.eri.u-tokyo.ac.jp/PacificArray/>