JKRYCSS

Joint Kuroshio-Ryukyu Current System Study

Research collaboration among

KU (Japan)

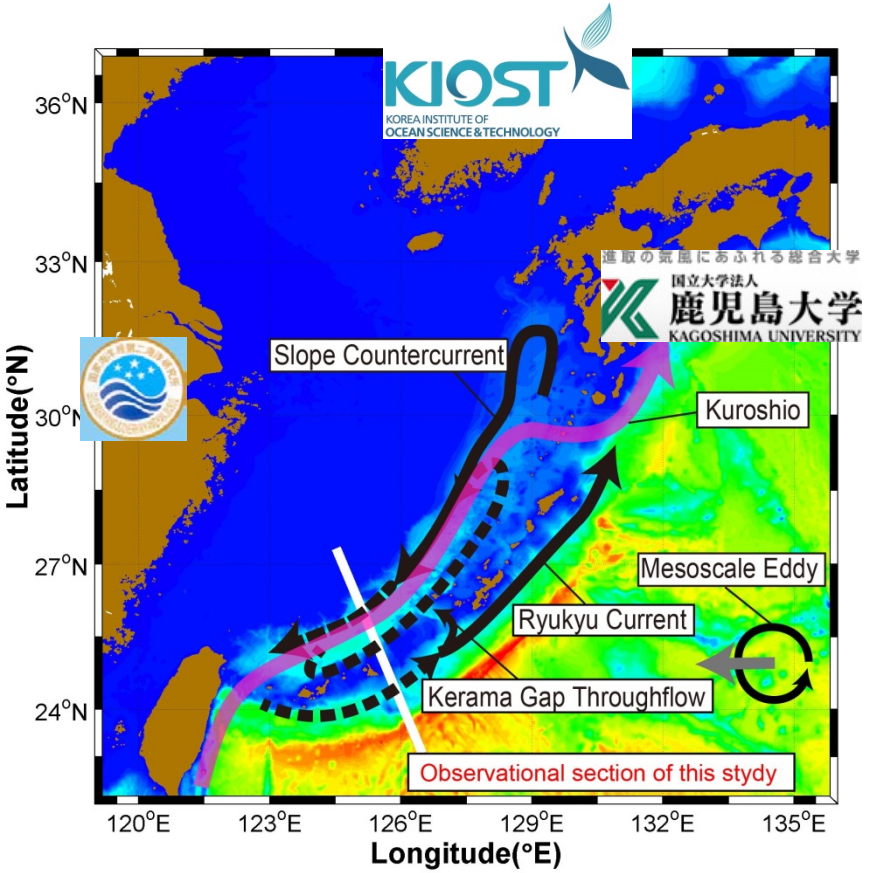
SIO (China)

KIOST (Korea)

Joint observations with

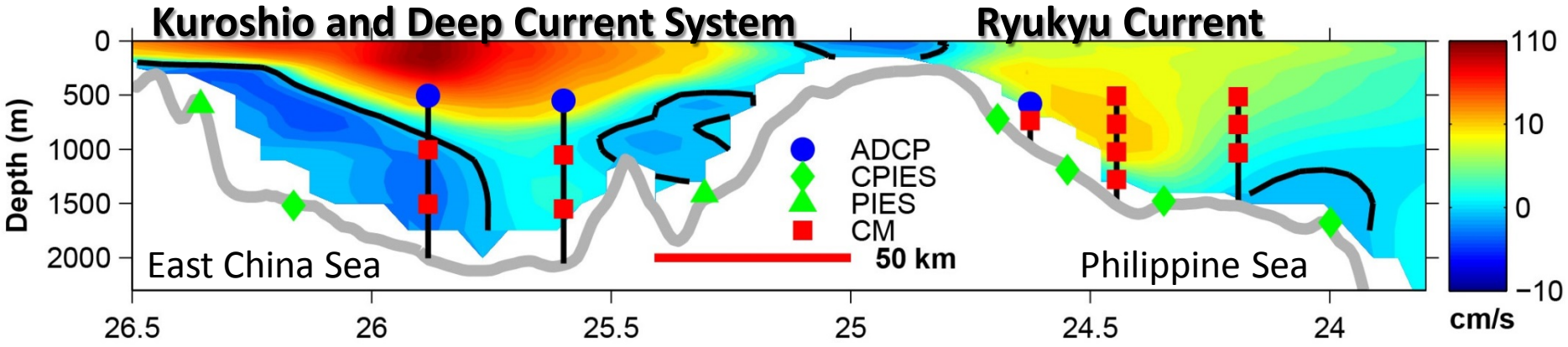
T/V *Kagoshima-maru*

Providing oceanographic cruise experiences to Asian students and young scientists.



Current system in the western boundary region around the Ryukyu Islands needs direct observation for better understanding of unknown flows shown by dashed lines.

Purpose of the JKRYCSS



Long-term averaged current features from numerical simulation along the observational section of this study (markers show mooring instruments deployed in the 2015 cruise). Color shading: velocity normal to the section (positive: NE-ward).

General questions :

- How strong is the Ryukyu Current, and is its submarine current core stable?
- What is the deep circulation in the Okinawa Trough, and how is it related dynamically to the Kuroshio-Ryukyu Current system?
- What is the interaction between mesoscale eddies in the North Pacific and the Kuroshio-Ryukyu Current system?