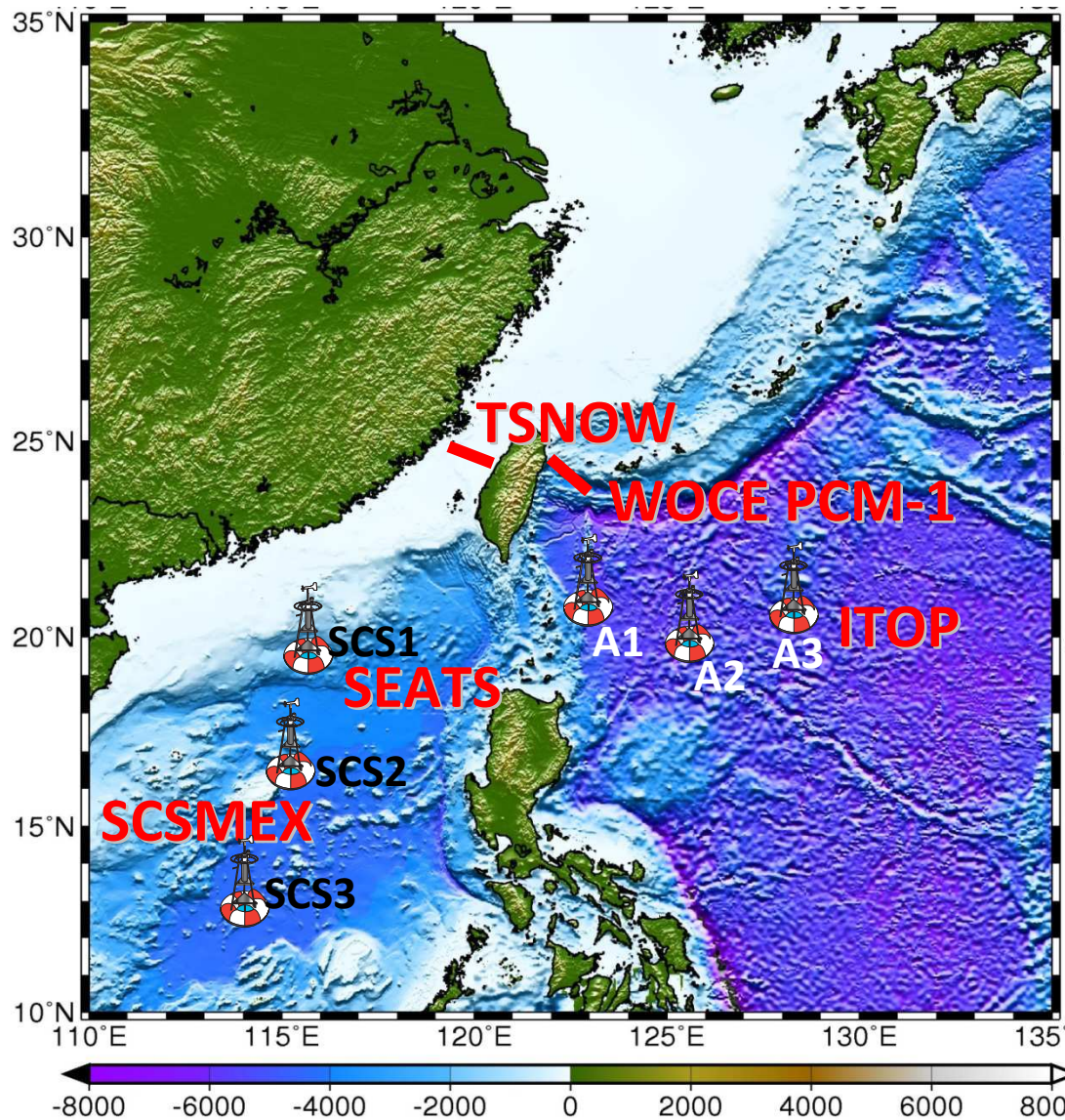


# Moored Ocean Observing System, Taiwan (MOST)



Yih YANG

# Historical Overview



**WOCE** PCM-1 (1994-1996)

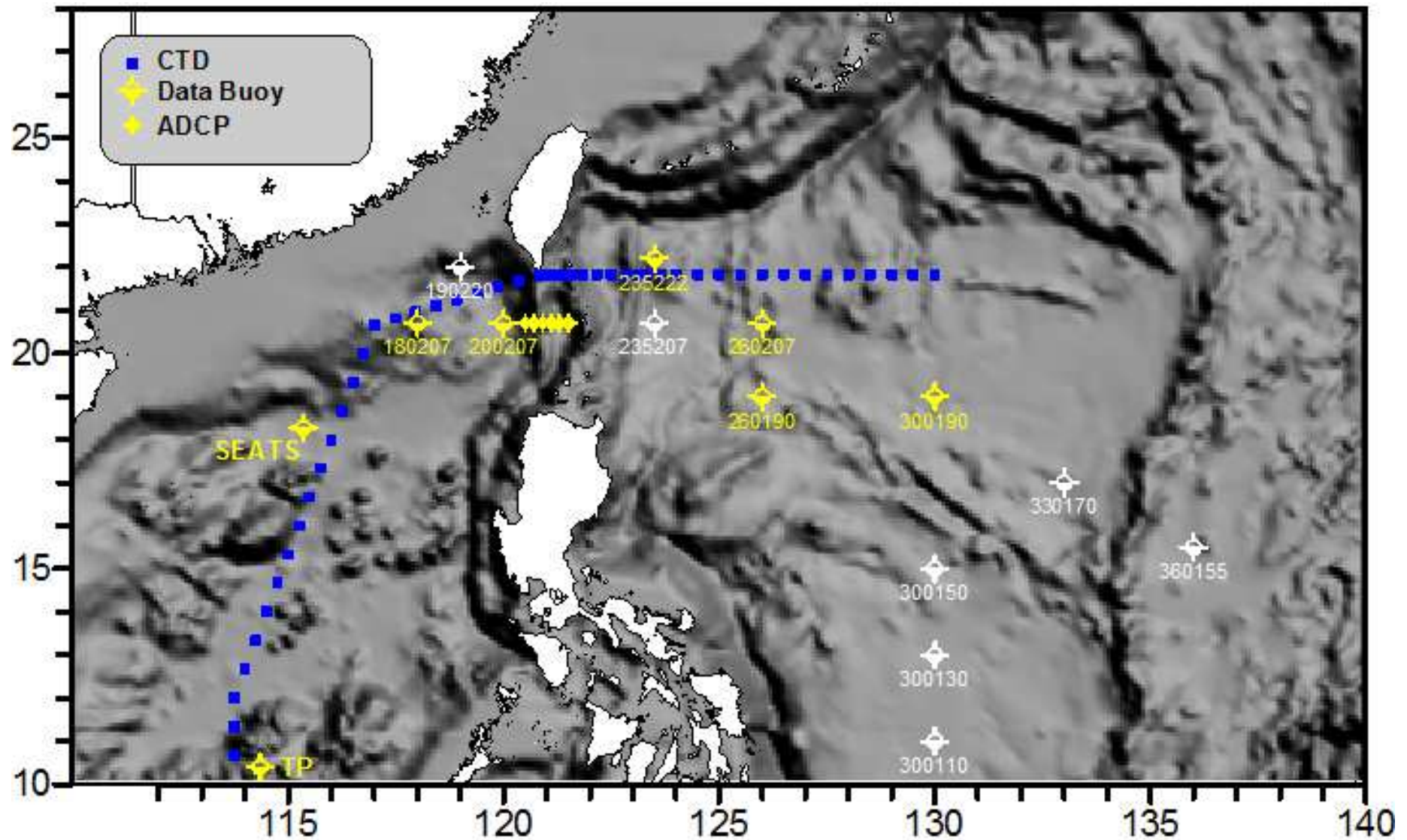
Southeast Asia Time-series Station (**SEATS**, 1998-2007)

South China Sea Monsoon Experiment (**SCSMEX**, 1997-1999)

Taiwan Strait Nowcast (**TSNOW**, 1999-2001)

Impact of Typhoons on the Ocean in the Pacific (**ITOP**, 2009-2011)

*To study/monitor the impact of global changes on ocean system based on long-term moored observations.*



## Sentinel in the “far”



Transmitted in near real-time via Iridium  
(10min@6hr)

- Wind speed and direction
- Air temperature, pressure and humidity
- Solar radiation (downward)
- SST

Self-recorded

- Water temperature profile (500m, 5min)



## Ongoing

Three data buoys will be deployed this year and more is supposed to be deployed in the vicinity of Taiwan by 2016. Few of them may be selected as time-series stations.

Scientific issues involved

- Upper ocean physical and biogeochemical response and air-sea interaction under typhoon conditions
- Interaction between meso-scale eddies and western boundary current
- Evolution of internal tides to nonlinear internal waves