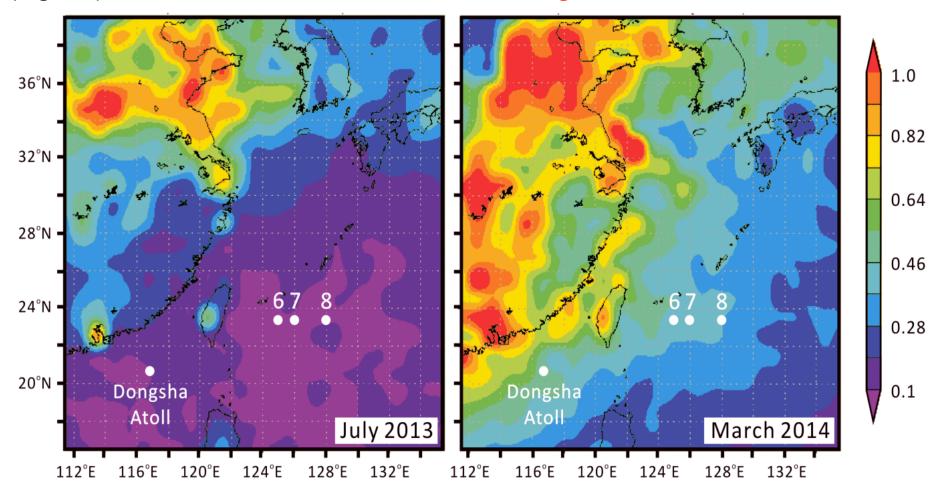
2015 Taiwan National Report

I still feel unreal about the loss. What I have learned is that some valuable things do not exist forever. We deeply appreciate your hearty concern for our loss.



- ➤ A 2000-ton new R.V. (70 m) will be delivered at the end of 2016, which is originally designed for ROV operation, sediment coring, and mineral/energy survey. The R.V. will also be fully equipped with sampling capabilities for oceanography research.
- ➤In addition, a 3000-ton new R.V. (80 m) for oceanography research to replace OR/5 will be under construction in 2016 and is expected to be delivered in 2018. A complete trace metal clean sampling system will be installed on this vessel.

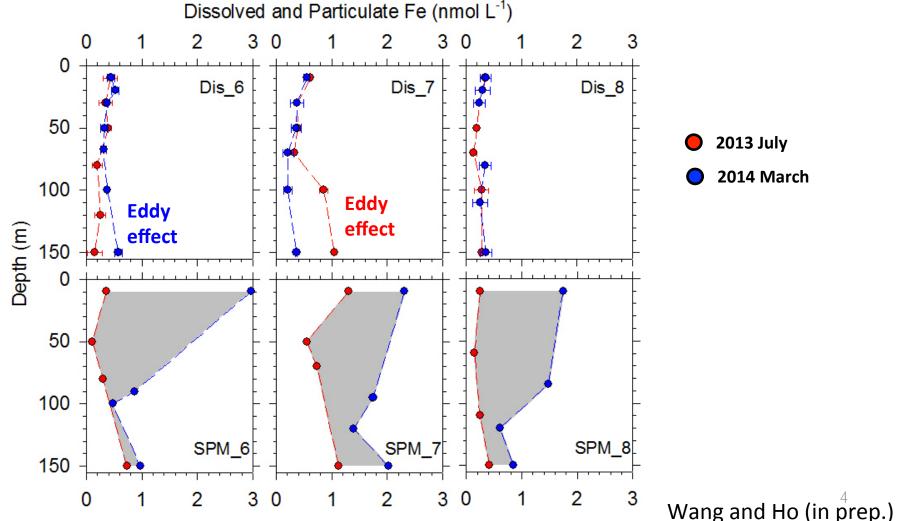
The surface water of the NWPO, receiving huge amount of East Asian aerosols in winter and spring, provides an ideal platform to investigate the fate of aerosol TEI (e.g., Fe) in the oceanic surface water. About Dongsha aerosol time series station.



Seasonal variation of dissolved & particulate Fe

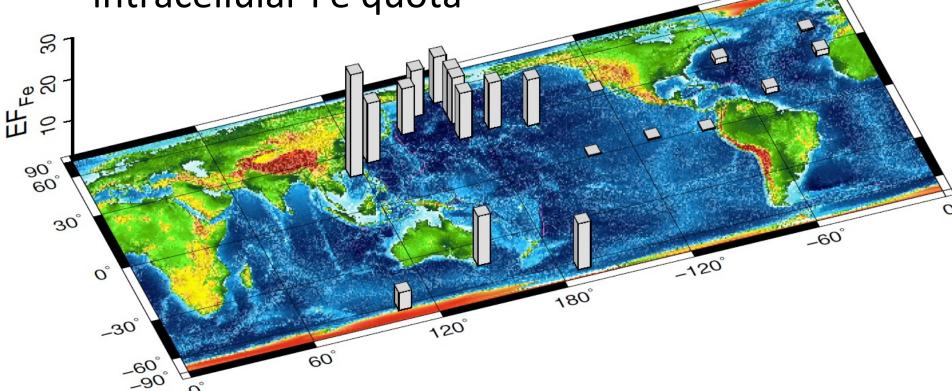
015 GEOTRACES SS

The **seasonal transformation** of major Fe pools and processes, including aerosol deposition, dissolved & suspended Fe pools, and sinking particle fluxes, were investigated in the surface water during high and low aerosol deposition seasons.





total Fe conc. of biotic particles/intracellular Fe quota



Liao, Yang, and Ho (in prep.)

Some related News

- Kuo-Fang (Denner) Huang, an assistant research fellow at Academia Sinica, has established Taiwan 4th MC-ICPMS system (Neptune Plus).
- ➤ Haojia (Abby) Ren, a marine N isotope biogeochemist, has joined the department of geosciences at National Taiwan University as an assistant professor in August 2014.
- ➤ I have received 5-yr funding (2015 to 2019) from Academia Sinica to study trace metal-nitrogen fixation interaction in marine diazotrophs. Visit UC Santa Cruz since this November for 8 months.
- My group will join Japan GEOTRACES cruise in ECS and WPS.
- Council of Marine Affairs, including 3 major agencies, Coastal Guard, Ocean Conservation, Marine Research Institute, has been established this year.