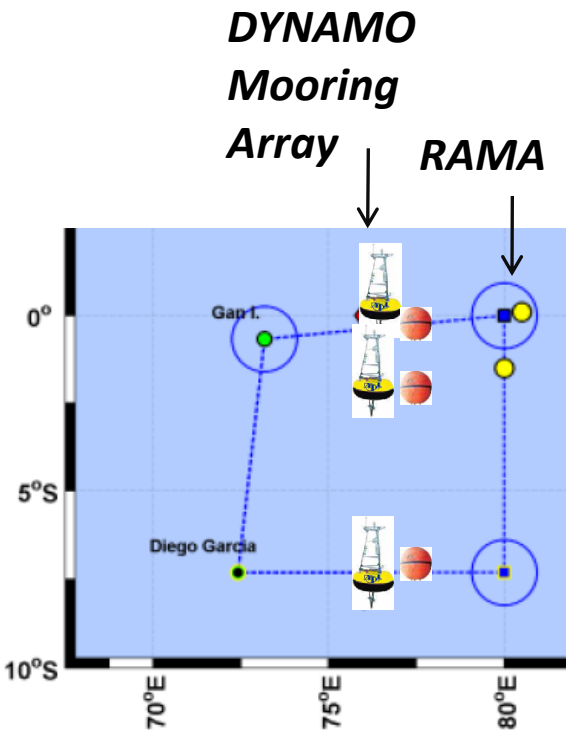


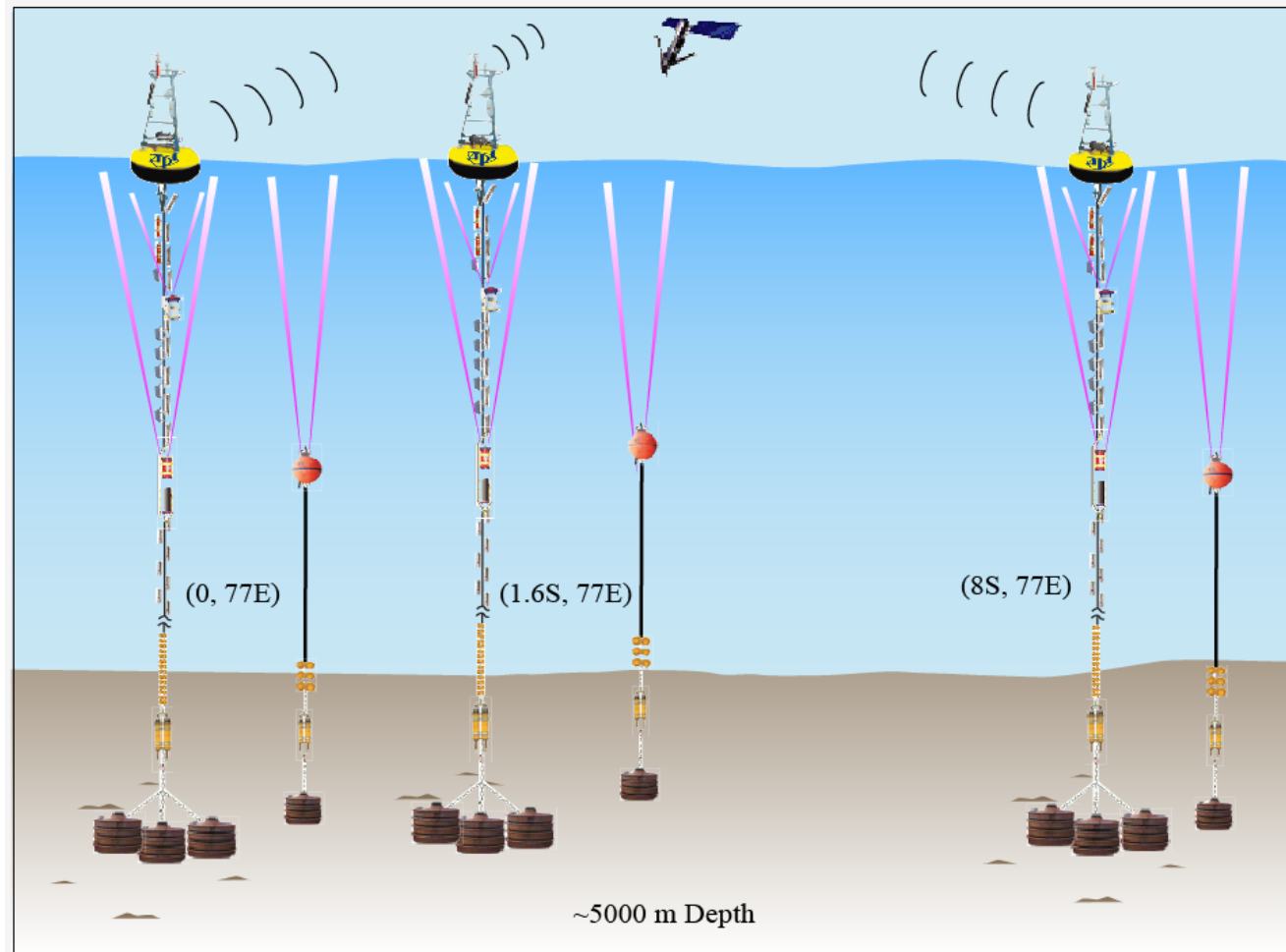
# DYNAMO Moorings (Lien/Moum)

## 3 surface and 3 subsurface moorings along 77E



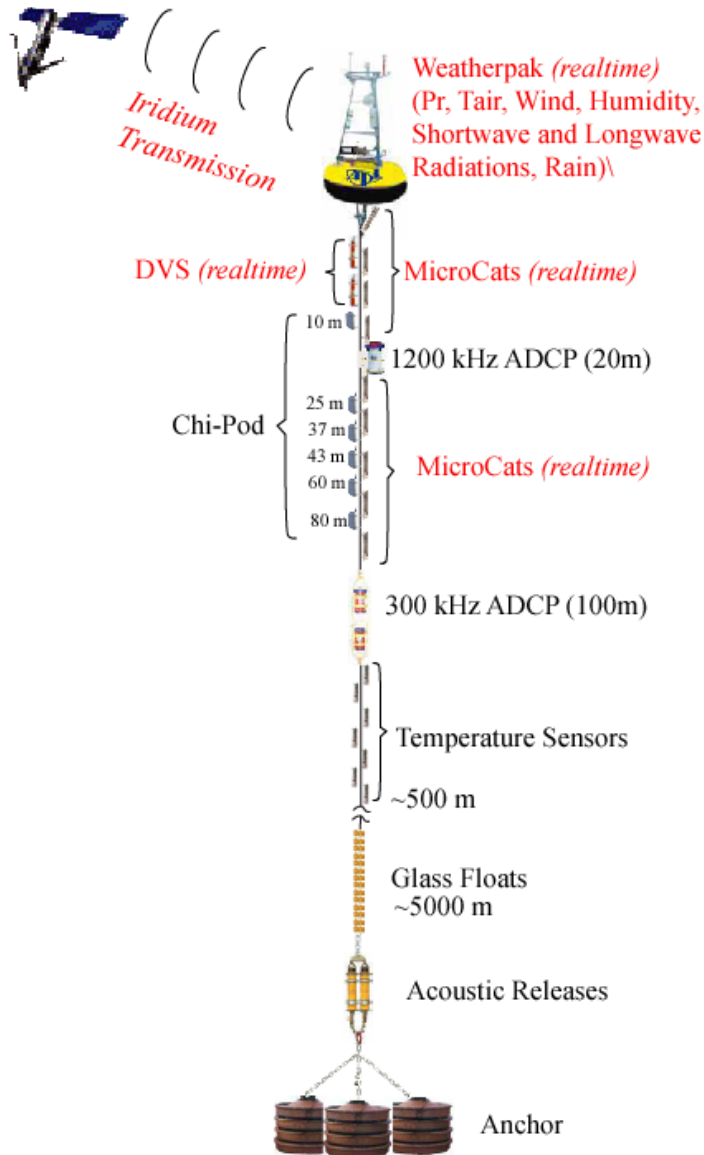
**Measurement Period**  
**Sep. 2011 – Jan. 2012**

**Realtime Met/Air-Sea Flux,  
Upper ocean T, S, U**



# Mooring Configuration and Measurements

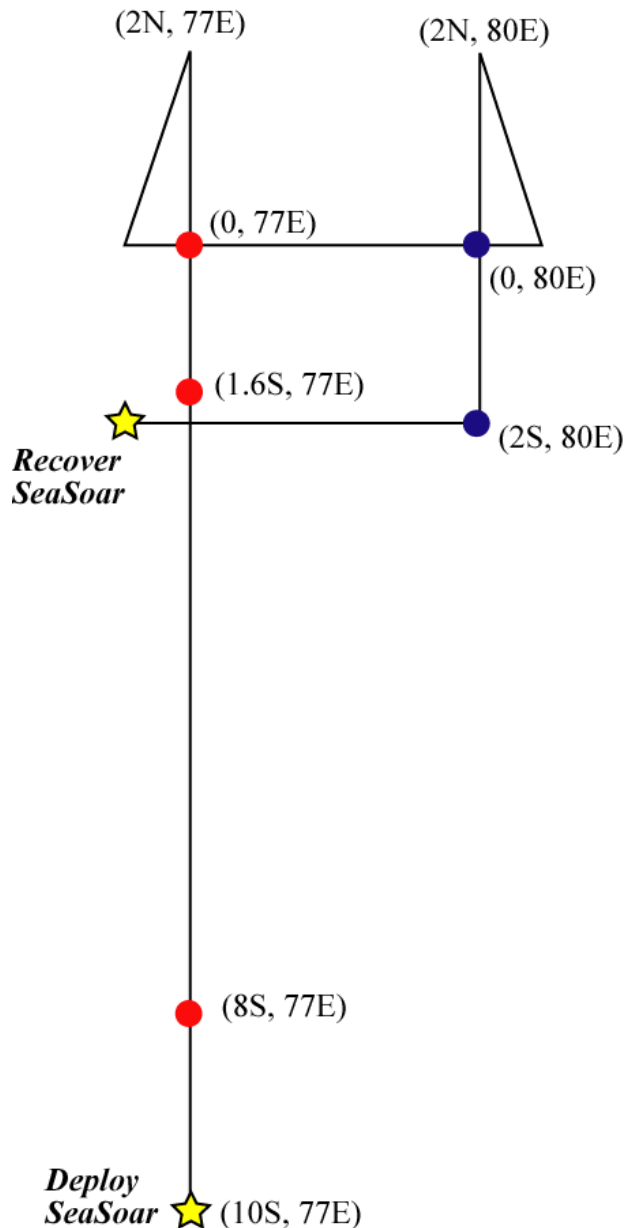
## SURFACE MOORING



Instrument	DYNAMO Mooring (Lien & Moun)
Surface Meteorology (P, T, wind, humidity, rain, shortwave, longwave radiations, air-sea fluxes)	10 min (realtime)
Chipod(turbulence mixing and flux)	1 sec
CTD (T, S, P)	1 min (realtime)
Acoustic Doppler Profilers (ocean current velocity profile)	4 sec (300 kHz ADCP) 1 min (1200 kHz ADCP) 2 min (DVS) (realtime) 1 min (75 kHz Long Ranger ADCP on subsurface mooring )

# DYNAMO SeaSoar Survey (Leg 1)

*Contingent to available sea days after mooring deployment*



- Sawtooth tow between surface and 300 m at 8 kt
- ~2 km horizontal resolution
- T, S, and velocity fields across SCTR and Wyrcki jet, and along equator and 2S.



# Revelle Fantail Deck Plan

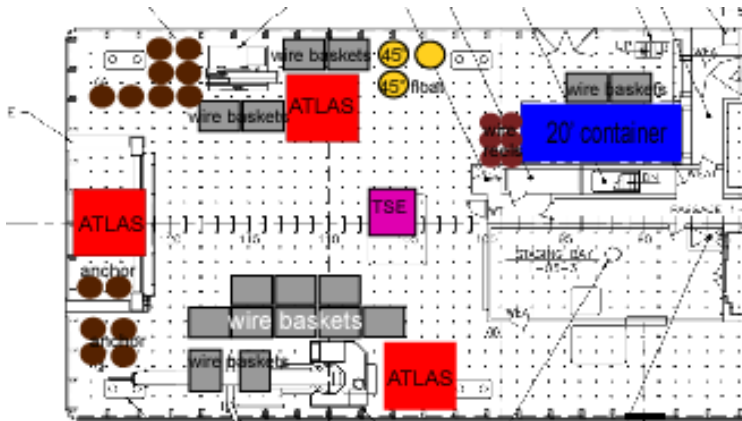
**Load and secure all DYNAMO mooring instruments and gears in Taiwan before Revelle sailing for Singapore or Darwin.**



**Need space for two 20' sea containers (OSU and UW) on the main deck or one on the O1 deck!**

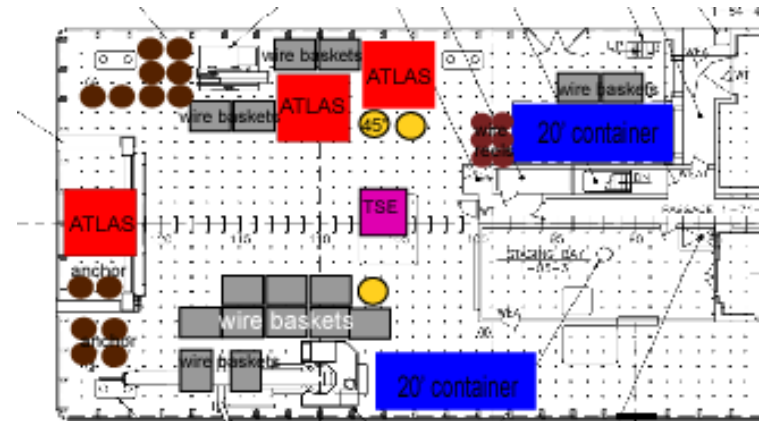
## Preferred Option

stacking APL & OSU containers  
OR one on the main deck and the other one on O1 deck



## BAD Option

One on starboard and one on port  
**Restricted space for deck operation**  
**Jeopardize mooring operation if emergency recovery is needed in leg 1.**



**NEED CAPTAIN'S APPROVAL!**