

## Deployment Schedule

Cruise: Gofar TF Earthquakes

**Schedule – Deployment of 51 OBS instruments over 11 days (16hr/day) and 1 dredge per 8hr night watch. Additional 72 hours of dredging at end of cruise. Total of 14 days on station.**

Science team will be divided into OBS watch for daytime activities (16hrs) and a Dredge watch for nighttime activities (8hr, 1 watch group). The last 3 days on station will consist of round-the-clock dredging and all members of the science team participate in two watches of 12hrs each.

Bosun required for both daytime and nighttime activities.

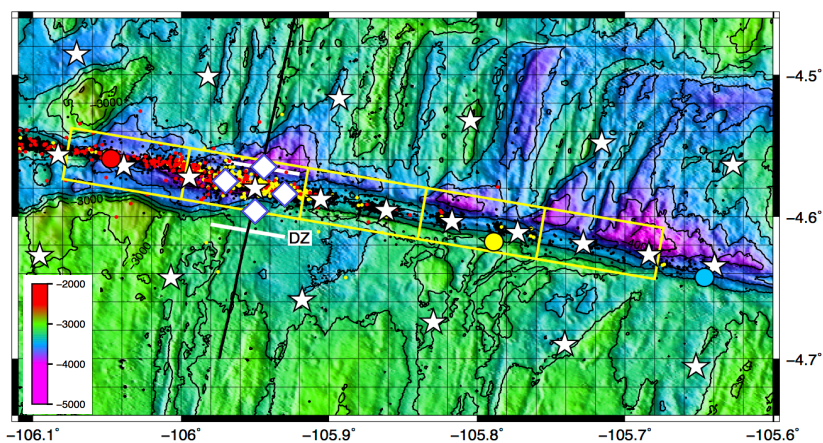
### Days 1 – 11: OBS Deployment and Dredging

*Daytime:* Deploy 51 OBS over 11 days. Two target areas for deployment, one at 105W, 4.5S and the other at 106W, 4.55S.

*Nighttime:* During the 8hr nighttime shift, one dredge will be conducted at a location near the OBS deployment location.

### Days 12 – 14: Dredging

*Daytime and Nighttime:* Round-the-clock dredging for 72 hours, with target of 6-8 dredges per day. Dredging will be on Gofar, Discovery and Quebrada Transform Faults, starting in the area 106W, 4.6S and ending in the area 103W, 3.5S to reduce transit time back to port.



*Map of the OBS deployment. Background colors denote depth in mbsl. Stars and diamonds indicate the two types of OBSs. Yellow boxes indicate areas to be covered by Sentry dives in subsequent cruise. Colored dots indicate background seismicity and larger circles denote centroid locations of the 3 repeating M6 earthquakes. Black line striking ~N5E is the refraction survey of Roland et al. [2012], with the two white lines indicating the extent of the damage zone (DZ) in the P-wave velocity model.*