

SPURS Discussion Summary

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Issues:

- What can we know about proposed and planned work? (PI volunteered information)
- What questions can we anticipate and discuss now?
- How can we communicate and coordinate once PIs are identified?

Proposed SPURS elements:

- 3-4 months of dedicated ship time (medium class) over the course of 1 year.
- 8 Seagliders for occupation of the two butterfly boxes.
- Mesoscale gliders and powered AUVs some equipped with microstructure sensors.
- Microstructure profilers including surface skin profilers such as ASIP, several EM profiling floats for examining mixing associated with inertial motions, temperature and shear microstructure capability on profiling floats. Salinity microstructure capability on profiler, floats and gliders.
- A well-instrumented surface flux mooring, in place for at least one year, and densely instrumented with T , S , and velocity sensors in the upper 500 m
- A towed ship-based profiling CTD and ADCP
- SSS-equipped drifters, Drifter/profilers, SST drifters
- Multiple scale (global/basin/region) 3-dimensional eddy-resolving ocean models with data assimilation capabilities over the selected field experiment region to support pre-FE OSSEs, realtime operations and post-experiment reanalysis.
- Data server and archive
- Real-time satellite data to be available

Other Issues:

- What's missing? – Request for Pirata mooring enhanced sampling at 20N, 38 W
- Coordination needed now... (One-page executive summary, calendar...)
- Ship time - 3 x 1 month cruises requested at UNOLS. What are the needs for personnel, gear deployments, etc?
- OSSE efforts should begin ASAP.

Cruises Proposed:

- Spanish, Spring 2012 (Project funded, cruise uncertain)
- French/Irish, Summer 2012 (Proposed)
- US, Spring, Fall 2012, Spring 2013 (Proposed)
- NOAA – 75 days of R/V Brown proposed

SPURS Timing:

- NASA Field work proposals received May 28
- Discussion session today
- NSF proposals due Aug. 15.
- NASA funding decisions in September
- NASA Salinity Science Team proposals due Oct. 29.
- PI Planning Meeting, Jan. 2011.