

## Telecon Minutes Friday November 9, 2012

Present: Michela Biasutti, Ping Chang, Simon de Szoeki, Tom Farrar, Camen Grados, Alban Lazar, Jennifer Mays, Roberto Mechoso, Brian Medeiros, Ernesto Munoz, Mike Patterson, Ed Schneider, Bob Weller, Rob Wood, Paquita Zuidema

1) Bob Weller gave a presentation on new surface moorings for the first 15 minutes (presentation available through US CLIVAR website). To summarize: WHOI moorings currently include: sonic anemometer, humidity/air temperature, incoming longwave/shortwave, siphon rain gauge, barometer, data logger. The aim is to improve and expand to include additional sensors. Satellite surface SW typically overestimate downwelling shortwave at surface, with no bias in longwave. New Foci are on aerosol sampling, focused on those produced by ocean bubble processes: sea salt, DMS, etc. Capabilities for increased power generation and telemetric data transmission are developing. Currently 100-150 W are available on the new surface buoys.

Ensuing discussion focused on what new applications the buoys could be put to. Suggestions compatible with buoy power availability include ceilometers for assessing cloud-base height, and sun photometers. Bob W mentioned a NASA project near Hawaii making hyperspectral measurements from a buoy.

2) Discussion of AGU WG meeting.

Anticipated attendees: Ping Chang, Roberto Mechoso, Ed Schneider, Michela Biasutti, Takeshi Doi, Ingo Richter, Noel Keenlyside, Simon de Szoeki, Paquita Zuidema, Jennifer Mays, Mike Patterson.

Will be held Saturday Dec. 8 9am-1pm, Courtyard Marriott. accessible via telecon. Light food provided.

Agenda:

- Presentation by Noel K. on proposal to extend PIRATA array into southeast Atlantic (currently at Phase 1 of a two-phase proposal process)
- Working meeting on White Paper: State-of-the-Science followed by recommendations/metrics-for-success. PZ will put together slides on state-of-the-science to get things started.

Ensuing discussion focused on developing a consistent way of framing surface energy budgets. Bob Weller mentioned that surface energy budget closure is closer at the WHOI SEP buoy (85W, 20S) than originally thought in the Colbo & Weller paper - signifying a lower oceanic contribution is needed to explain the lower buoy SST. Roberto M brought up the large interannual variability in the surface energy contributions, and mentioned a large-scale slackening trend in surface winds.

