



***** RaDyO Planning Meeting: 8-9 March 2008 *****

<http://www.onr.navy.mil/about/events/regdetail.asp?cid=382&code=4>

**Homewood Suites
8745 International Drive
Orlando, FL
407.248.2232; 888.697.8745**

Dear RaDyO Participant;

Thank you for agreeing to meet at Homewood Suites on International Drive in Orlando, FL on 8-9 March 2008. If you have not yet registered, please do so at

<http://www.onr.navy.mil/about/events/regdetail.asp?cid=382&code=4>

There is no fee for registration, however you will be asked to contribute \$33 per day for meals and incidentals. This meeting will require two full days after the 2008 Ocean Sciences Meeting so be sure to plan your travel accordingly.

The purposes of this planning meeting are to **review the Scripps Pier Test Experiment, ensure that plans for the “Benign Conditions” Experiment are complete, and begin planning for the “High Sea State Conditions” Experiment**. The latter will be essential for ship requests.

We will start the meeting with a review of the Scripps Pier Test Experiment and a brief overview of our plans for the Benign Conditions Experiment. Each PI (or PI team) will be asked to give a 15-minute presentation of their Pier Test results. We will cover successes and should there be any (which there won't ☺), failures of the Pier Test. Successes and improvements to our sampling plan will be discussed with the goal of enhancing the two upcoming RaDyO Field Experiments. The modelers will lead a discussion on time and space scales of sampling, i.e. Given the results of the Pier Test, what scales are missing in our sampling plans? We will discuss potential scientific research topics that can be addressed with Pier Experiment results. Data QA/QC, sharing, dissemination, and storage issues will be covered.

We will finalize all plans for the Benign Conditions Field Experiment and begin planning for the High Sea State Conditions Experiment, i.e. location, dates, and sampling routines and goals. Again, this is essential for ship requests for 2009. Recall that preliminary plans call for the experiment to be conducted near the Hawaiian Islands in late-summer 2009. Therefore, climatologies will be presented for the Hawaiian Islands.

If you have any questions regarding the meeting agenda and discussion topics, please contact us at tommy.dickey@opl.ucsb.edu, grace.spada@opl.ucsb.edu, and cc to ackless@onr.navy.mil. For meeting logistical issues, see <http://www.onr.navy.mil/about/events/regdetail.asp?cid=382&code=4>. Also see the RaDyO website for more information: <http://www.opl.ucsb.edu/radyo/>.

Thank you,
Sincerely,

Tommy Dickey and Grace Chang

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Saturday 8 March

- 08:30 Meeting Registration/Check-in.
- 09:00 Welcome and review of Scripps Pier Test.
- 15-minute PI presentations.
Results of Scripps Pier Test. Please review your Pier Test sampling method and discuss successes and failures. Provide a brief review of your plans for the Benign Conditions Experiment and discuss improvements given the results of the Pier Test.
- 09:15 Mike B., Chris, Howard, Russel, and Johannes (two time slots)
- 09:45 Ken M. and Luc
- 10:00 Mike T. and Ron
- 10:15 David and Svein
- 10:30 Coffee Break
- 10:45 Marlon and Scott
- 11:00 Dariusz and Mirosław
- 11:15 Ken V.
- 11:30 Grace and Tommy
- 11:45 Scott and Hemantha (review Benign Conditions sampling plan)
- 12:00 Lunch provided (covered by your meal cost).
- Begin modelers' discussion.
Brief overviews of model performances so far, possible enhancements to the models given Pier Test results, missing data(?), missing scales(?), etc.
- 13:00 George
- 13:15 Dick and Lian
- 13:30 General model discussion.
- 14:00 Big-picture review.
Discuss potential scientific topics that can be addressed with Pier Test results and data QA/QC, sharing, dissemination, and storage issues.
- (15:00 Coffee Break.)

- 16:00 Begin group discussion on details of the Benign Conditions Experiment. Discuss experiment set-up period, wire-time, time for winding down. Daily start time for data collection – what will be autonomous (continuously running) – if anything, what will not. Discuss daily PI meetings – what needs to be discussed each day to ensure we are meeting our goals, what are the time limits for providing QA/QC'ed data to modelers and other RaDyO participants, etc.
- 17:00 Recess for the day.

Sunday 9 March

- 08:30 Continue group discussion on details of the Benign Conditions Experiment.
- (10:15 Coffee Break.)
- 12:00 Lunch Provided. Any issues related to the Pier Test and Benign Conditions Experiments must be resolved by this time. We should all be prepared to show up in San Diego or Port Hueneme and conduct the Benign Conditions experiment in Sept. 2008.
- 13:00 High Sea State Conditions field experiment discussion.
Overview of what has been discussed so far- Summer/fall 2009 near the Hawaiian Islands. Review ship use (R/P FLIP and R/V Kilo Moana).
- Presentation of climatologies of the Hawaiian Islands.
(1) Currents and hydrography and optics: Tommy
- 13:30 (2) Wind and waves: Russel
- 14:00 Group discussion on other important experiment issues: steam & tow time, FLIP mooring requirements (water depth), marine hazards (submarine operation areas, whale sanctuaries, submerged cables, etc.).
- 14:30 Group discussion on the ideal location, dates, and duration of the High Sea State Conditions field experiment.
Get consensus on exact dates and location.
- 15:00 Coffee Break
- 15:15 Group discussion on data collection plans.
What instrumentation must be co-located in order to meet the goals of the RaDyO project? What measurements must be collected from R/P FLIP vs. R/V Kilo Moana? Keep in mind that berthing is limited on FLIP. What supporting measurements can/will be collected nearby? How close is “nearby”? What sort of time synchronization methods will be used?
- If group discussion goes smoothly, continue data collection discussion in detail. If necessary, break out into smaller groups. Recommend grouping together by instrumentation, i.e. co-location of, e.g., wave field camera with radiance camera or bubble package with MASCOT. There will of course be much overlap.
- 17:00 End of Meeting.