



***** RaDyO Planning Meeting: 6-8 June 2007 *****
Scripps Institution of Oceanography
La Jolla, CA
T29 “Cottage Above the Cliffs”

Dear RaDyO Participant;

Thank you for agreeing to meet at Scripps Institution of Oceanography on 6-8 June 2007. This meeting will require the full 2 ½ days so be sure to plan your travel accordingly. The main focus of this planning meeting is to **finalize plans for the Scripps Pier Test Experiment** and **plan the “Benign Conditions” field experiment**. This will be essential for ship requests.

Walter Munk has agreed to talk with us during the RaDyO meeting. Walter has gone back to the Cox & Munk work of the 1950s and is having a new look at it in the light of recent work. We will have an icebreaker reception following his talk on Wednesday, 6 June.

We will start the meeting with an overview of the Scripps Pier Test Experiment plan (a summary of the Montreal meeting is on the RaDyO website – URL below). We will reorient ourselves with the Scripps Pier, paying special attention to shadowing effects, crane usage, small boat usage, instrument co-location, etc. Please ensure that someone from your group has the exact specifications of your Pier Test instrumentation on-hand. Our primary goal of this meeting is to ensure that the Scripps Pier Test Experiment is finalized, i.e. when RaDyO participants show up in San Diego in January 2008, the experiment can commence immediately.

The other goal of this meeting is to nail down plans for the “Benign Conditions” field experiment. After brief presentations regarding the Santa Barbara Channel climatologies (winds and waves, currents, and optics), we will discuss as a group the ideal location and timing for the experiment. Once consensus is reached, we may break out into small groups to further discuss the data collection plans for the experiment. Keep in mind that we have only 8-9 months of time between the Pier Test and first field experiment so time spent planning for the Benign Conditions experiment is limited. *Any major issues must be resolved by the end of this meeting.* Time permitting, we will start rough planning for the “High Sea State Conditions” field experiment.

The afternoon of Friday, 8 June is reserved for individual PI small group meetings and other side discussions.

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, contact Heather Fryling (heather@mpl.ucsd.edu) or Ken Melville (kmelville@ucsd.edu). Also see the RaDyO website for more information: <http://www.opl.ucsb.edu/radyo/> (for Montreal meeting summary, click on Meetings and the Reports checkmark).

Thank you,
Sincerely,

Tommy Dickey and Grace Chang

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Wednesday, 6 June

- 08:30 Breakfast (on your own or provided is TBD)
- 09:00 Review of RaDyO accomplishments and overview of RaDyO goals for the next 2 years’ experiments.
- 09:15 Overview of RaDyO Scripps Pier Test Experiment goals and plans made during Montreal Meeting.
- 09:45 Expected conditions (meteorological and oceanographic) at Scripps Pier in January 2008. (Ken M.)
Discuss logistics involved in Pier Test.
Housing requirements, lab/computer space availability, machine shops, small boats, meeting/conference room availability, etc.
- (Coffee Break)
- 11:00 Group discussion on what needs to be resolved.
What are the modelers’ needs?
- 12:00 Lunch (on your own or provided is TBD).
- 13:00 Walk to Scripps Pier for reorientation.
Group discussion on exact location/co-location of instruments. Assume two booms and a crane for profiling (and AUV deployment and retrieval) will be available. Pay special attention to potential interferences. Take a walk around Scripps campus if necessary.
- 15:00 Coffee Break
- 15:15 Review what was discussed at the pier and put in writing.
Ensure all RaDyO participants are satisfied with the design plan.
- 15:30 Group discussion on time schedule for Pier Test.
Discuss experiment set-up period, time in water, 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.
- 16:30 Walter Munk talk (title TBD).
- 17:30 Icebreaker reception.

Thursday, 7 June

- 08:30 Breakfast (on your own or provided is TBD)
- 09:00 Continue discussion on time schedule for Pier Test.
- 10:00 Wrap-up Scripps Pier Test Experiment.

Ensure that everyone is clear with the experiment plan and is aware of their marching orders.

10:30 Coffee Break

10:45 Begin discussions for Benign Conditions field experiment.
Overview of what has been discussed so far- Summer/fall 2008 in the Santa Barbara Channel. Review ship use (R/P FLIP and R/V Kilo Moana) including personnel.

Presentation of climatologies of the Santa Barbara Channel.

(1) Currents and hydrography: Tommy

11:15 (2) Wave fields and meteorology: Ken M.

11:40 (3) Optics and potential for surface slicks: Grace

12:00 Lunch (on your own or provided is TBD).

13:00 Group discussion on the ideal location, dates, and duration of the Benign Conditions field experiment. Get consensus on exact dates and location.

14:00 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? 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?

(Coffee Break)

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 Recess for the day.

Friday, 8 June

08:30 Breakfast (on your own or provided is TBD)

09:00 If available, tour of the R/P FLIP. (Ken M.)

10:00 Recap Benign Conditions field experiment plans to identify gaps in the experiment in general or gaps in our sampling plan.
Any major issues should be resolved at this time.

(Coffee Break)

11:45 Determine rough dates and location for High Sea State field experiment so that ship requests can be made.

12:00 Meeting adjourned.

T29 Cottage Above the Cliffs is not available in the afternoon. Any side meetings must be held elsewhere.