Radiowave Operators Working Group (ROWG)

5th Workshop
Marine Science Institute
University of California Santa Barbara
Santa Barbara, CA, USA
26-28 April 2011

ROWG Charter:
1) To foster collaboration between new and experienced HF radar operators.
2) To develop procedures governing HF radar operations including:
- Site logistics.
- Processing to component vectors.
- Total vector products and data management.
3) To provide recommendations to users, developers, manufacturers, and program managers.

Date: Week of April 25, 2011

Tentative Agenda

Monday, April 25th, 2011
6:00pm – 8:00pm: Ice breaker, Come out and meet the participants!

Tuesday April 26th, 2011
8:30am – 9:00am: Registration
9:00am: Welcome
9:00am – 9:30am: Introductions
9:30am-10:00am: Update on NOAA Budget, Radar Frequency Licensing Effort and National HF Radar Steering Team (Jack Harlan)
10:00am – 10:30am: Break
10:30am – 11:00am: Summary of breakout group priorities (Session Chairs)
11:00am – 12:00pm: Breakout Group

12:00pm – 1:30pm: Lunch (near posters)

1:30pm – 4:00pm: Breakout Groups
4:00pm – 5:00pm: Poster Session (Beverages)

Wednesday, April 27th, 2011

        9:00-9:30am: Lessons from the Gulf spill
        9:30-10:00am: Breakout Groups Interim Report
        10:00-10:30am: Break
        10:30-12:00pm: Breakout Groups (cont.)

        12:00pm – 1:30pm: Lunch

        1:30pm – 3:30pm: Breakout Groups (cont.)
        3:30pm – 4:00 pm: Break/Poster Session
        4:00pm – 5:00pm Meeting Debrief
                - Breakout group review
                - Plans for ROWG 6

Thursday, April 28th, 2011
Site visit (potential island day trip)

Poster Session:
Please bring a poster describing your HF radar related activities.   These should introduce you and your group to the other participants. They are intended to start conversations so more pictures, less text! The topics can cover any aspect of HF radar hardware, software or interesting applications.

Breakout Discussion topics: (These are subject to change based on group's interests)
- Software
        - Pattern processing
        - Version control, sharing of analysis code, HFRprogs
        - Data Archiving, storage and cataloging methods, patterns
        - The state of QC
        - Web site(s), MARACOOS blog, etc
        - Iphone/Ipad/Android app development (Wed: Zelenke & Pettigrew lead)

- Hardware
        - Communications (wireless, cellular modems, satellite)
        - Security
        - Antenna design and placement
        - Trimble antennas
        - a/c and other cooling methods
        - Transponder and super transponders, pattern measuring