

Summary of June 7, 2001 meeting in Gene's office:

Present: Gene, Jon, Charlie, Bill, Norm

1. RINS/BIN will be deployed independently of the cable laying.
W/F mob day is Friday, September 21; Sail dates Monday and Tuesday, September 24 & 25

the plan: drop 1 RIN in water, dive to inspect, evaluate before dropping the other 2 nodes

2. Transponders - 2 USBL transponders will be depolyed on the July 26 from the Lobos - an Ussler day. Transponders will be recovered during the RIN/BIN deployment.

ACTION ITEM: Gene will locate the transponders

3. Bill has requested that IS created an email alias: canyondynamics to include Jon, Gene, Larry Bird, Norm, Charlie, Bill, TC, Stuart, and Dale initially.

4. Bill will have a file exchange area established.

5. Check with RDI concerning interference between the acoustic cones and the mast.

ACTION? GENE

6. An on dock test with the Ventana with a completely assembled RIN+fiber cable was agreed to be an essential step before deployment.

ACTION ITEM: Need to establish a target date for this.

7. Pole Bending Issue - need to develop a contingency plan for ROV replacement of the mast.

8. Pole Vibration - strumming may be a problem. Because the mast is tapered, the natural resonance should vary along its length. Thus, the mast may not vibrate in response to vortices shed from the mast. It was agreed that modeling this would be nightmare. The effect on the ADCP was not a concern. Farring materials may be a nuisance to manage, and may not be necessary at all.

8. Test Tank - a number of important tests have been proposed:

ADCP performance in bins 1 & 2 and interference with mast

Mast farrings

Cross-talk issues between instruments + noise

Test wet-mateable plugs with a diver

Telemetry via fiber

Water jet/tank flow tests

9. PDR date was chosen - June 26th

10. Jon is to examine the possibility of 4-sided cable exits on the RIN.

11. Connector Count - 5 copper; 1 fiber per RIN; 8 conductor plugs exclusively
4-wire = RS-232 Transmit & Receive; V+; Ground (in common with RS-232 and power); Battery pack is a separate item, because it is not part of the MOOS infrastructure.

