

MOOS mooring system 10/30/02 meeting notes

Present: Ed M., Kevin Gomes (SSDS), Jon E., Duane E., Keith., Tim M., Duane T., Mike K., Mark C. (notes)

1. Schedule update. *Just under 5 weeks to deployment!*

Lance out October 25-Nov. 4.

Zorba out after October 26.

Andy Hamilton out Oct. 28-Nov. 7

Scott Jensen out Oct. 28-30

2. Special action items:

- Software integration and move to deployed hardware. *Just in time for our "drop-dead decision" point on using radio backup*
Tim and Tom got the RMI benchmark running over the Globalstar modem dial-up connection. Aggregate throughput was 6200
Baud. Next milestone is running an end-to-end test coordinated with prototype archival system developed by SSDS is
scheduled on Nov. 7 or 8.

3. Special action items:

- *Purchase antenna to have on hand (Duane E.). Pending.*
- *C-channel pending for solar panels (Mike P.) Pending.*
- *Order SST snubber bolts (Jon E.)*
- *Set up pre-move to buoy and pre-deployment test plan (Mark C.)*

4. Current task status:

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
28	power system housing fabrication <i>Jon checking on status. Grounding contact</i>	15 days	Thu 9/5/02	Tue 10/22/02	shop[75%]	98%

finger still TBD part of design.

31	assemble solar system housing and test <i>Still on track for mating with controller Thursday or Friday to start full-up functional testing.</i>	4 days	Thu 10/24/02	Wed 10/30/02	Mellinger Ed[50%]	0%
48	compass software driver <i>In test.</i>	10 days	Tue 8/20/02	Tue 10/22/02	Tom O'Reilly[50%]	95%
49	heave sensor software driver <i>In test.</i>	15 days	Fri 7/26/02	Tue 10/22/02	Rich Henthorn	95%
50	GPS software driver. <i>In test.</i>	10 days	Tue 8/20/02	Tue 10/22/02	Kent Headley[50%]	95%
51	Globalstar modem software driver <i>In test.</i>	15 days	Tue 8/20/02	Wed 10/23/02	Tim Meese[50%]	90%
52	Z-Star sampling software driver <i>In test.</i>	15 days	Tue 6/25/02	Tue 10/22/02	Mike Risi	95%
54	temporary controller final assembly, test and software integration <i>New power figures show system right at 20 Watt power usage maximum requirement.</i>	16.67 days	Mon 9/9/02	Wed 10/23/02	McBride Lance[60%]	90%
55	Controller and power system lab integration and test <i>Scheduled to start Friday, Nov. 1 - as soon as power housing is checked out.</i>	5 days	Wed 10/30/02	Wed 11/6/02	Mellinger Ed[50%], Duane Thompson[50%], McBride Lance[50%], Kent Headley[25%]	0%
56	Move controller and power housing to mooring <i>Still on schedule is to move all electrical hardware to buoy Nov. 7 or 8. Will depend on lab checkout progress.</i>	1 day	Wed 11/6/02	Thu 11/7/02	Mellinger Ed[50%], McBride Lance[50%], Duane Thompson[50%]	0%
61	riser cable termination socket CDR <i>Second CDR planned for Thursday PM for those that missed the first one.</i>	0 days	Wed 10/23/02	Wed 10/23/02		0%

	riser cable termination socket fabrication <i>CDR fabrication split between outside shop and our staff. All available machinists pitching in. Expect enough items to be able to start testing by 11/11/02.</i>	10 days	Wed 10/23/02	Wed 11/6/02	shop[75%]	0%
62	Test riser cable termination <i>Pending parts fabrication.</i>	6 days	Wed 11/6/02	Thu 11/14/02	Chaffey Mark[50%]	0%
74	snubber hose fabrication <i>In progress at Thermoid. Material promised for arrival by 11/15/02 including shipping.</i>	87.5 days	Tue 6/25/02	Tue 10/29/02		94%
76	snubber union/instrument cage assembly fabrication <i>In shop, scheduled for completion Nov. 15.</i>	10.67 days	Tue 10/22/02	Tue 11/5/02	shop[75%]	0%
79	coilcord fabrication <i>Complete, being FedExed to SeaCon.</i>	6 days	Tue 10/22/02	Tue 10/29/02		50%
80	snubber electro-optical connectors delivery time <i>SeaCon still quoting 2 weeks after receiving our material.</i>	151.5 days	Mon 4/22/02	Tue 11/19/02		87%
96	anchor system PDR <i>Held 10/23/02. Notes available on the MOOS website. Tri-moor proposed that would put less stress on cable during deployment and have better bottom holding characteristics.</i>	0 days	Thu 10/24/02	Thu 10/24/02	Andrew Hamilton[50%],Chaffey Mark[50%]	0%
97	anchor system final design <i>Mike Kelly reviewing deployment issues (footprint size).</i>	3 days	Fri 10/25/02	Tue 10/29/02	Andrew Hamilton,Erickson Jon	0%
98	anchor system CDR <i>Scheduled for week</i>	0 days	Tue 10/29/02	Tue 10/29/02	Andrew Hamilton,Erickson Jon	0%

after Andy back from travel.

99	anchor system fabricate <i>Pending CDR.</i>	8 days	Wed 10/30/02	Fri 11/8/02	shop[80%]	0%
102	Design and model test mooring configuration <i>Complete. Float position fixed. Calculations support anchor last free-fall deployment.</i>	43 days	Tue 8/20/02	Fri 10/25/02	Andrew Hamilton[20%],Chaffey Mark[60%]	93%
104	final assembly of surface float mechanical components <i>C-channel pending for solar panels from Mike P. Quite a few small brackets and similar items remain to be done. John F. can stick with fab. until done. Also need hand winch for instrument cage(Mike P.), notch bridle(John F.), order snubber bolts (Jon E.).</i>	10 days	Fri 9/20/02	Wed 10/23/02	Chaffey Mark[60%],Erickson Jon[60%],Mellinger Ed[60%],observatory support[200%],Etech[80%],Mtech[80%],shop[80%]	90%
106	Wire mooring and tower <i>Clark B. working on finishing panel and battery wiring. Must be complete by Nov. 7.</i>	5 days	Thu 10/17/02	Tue 10/29/02	Chaffey Mark[60%],Kelley Mike,Mellinger Ed,observatory support,Etech[75%],Duane Thompson	20%
111	Prepare deployment plan. <i>Minor progress only, need to detail out and finalize plan.</i>	11 days	Wed 10/16/02	Wed 10/30/02	Kelley Mike[50%],Chaffey Mark[50%],Erickson Jon[5%],Andrew Hamilton[50%]	9%