MOOS mooring 4/24/02 meeting notes — 17 weeks to deployment

Present: Duane Edgington, Jon Erickson, Mike Kelley, Lance McBride, Tim Meese, John Ryan, Mark Chaffey (notes).

1. Update from project scientist. *NOPP proposal posted on MOOS website. Also MOOS website has a link to 2003/4 science experiment.*

2. Project schedule. *Schedule has been updated as of yesterday. Several key areas are becoming critical path and are listed below, for more detail, see individual task category.*

Critical path:

The specification and ordering of the snubber hose.

The finalization of spec.'s and build for controller.

The specifications for the strain gages.

The finalization of the tower/bridle/float design.

3. Project budget. *Current project budget shows that after accounting for all expenditure to date and estimates for all known needed purchases we have about $33k left for contingency. We should be OK but will need to monitor expenses carefully. Please let Mark Chaffey now of any large (>$1k) expenses that are not already estimated.*

4. Data requirements from test mooring. *Mark C. will talk to John Graybeal and Duane Edgington about how to handle data storage and access for the test mooring.*

5. Current task status:

Battery box CDR Thursday, 4/25/02, 1:30PM in the Surface Commons.

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
1	**Mooring test deployment**	147.67	Mon 2/11/02	Wed 9/4/02		20%

		days				
3	power system prelim. design & diagram *On hold pending Ed's return.*	8.33 days	Tue 2/12/02	Thu 4/25/02	Mellinger Ed[60%]	70%
4	power system housing specification/design *On hold pending Ed's return.*	5 days	Thu 4/25/02	Thu 5/2/02	Mellinger Ed[60%]	0%
14	design panel mounts and tower access *In progress, decision to use "TECLAM" honeycomb panels for support for weight and cost savings. Mount is independent of solar panel to allow panel selection flexibility.*	5 days	Fri 2/22/02	Mon 3/11/02	Mellinger Ed[60%],Erickson Jon[60%]	60%
17	select solar charge controller/PPT *On hold pending Ed's return.*	10 days	Tue 3/19/02	Fri 5/3/02	Mellinger Ed[60%]	10%
32	temporary controller requirements specified *Near completion, need to finalize instrument package for ambient temperature and compass data. ACTION ITEM: Duane E. will check Kent on effort required for interfacing OASIS metsys. Need to finalize wave recorder and photo sensor. Concept review tentatively scheduled for 4/29/02 to finalize requirements list.*	8.33 days	Mon 2/11/02	Tue 3/26/02	McBride Lance[60%]	95%
34	wave/acceleration instrument on order *Not on order yet pending finalization of controller requirements. Need to finalize where compass data is coming from.*	35 days	Tue 4/23/02	Mon 6/10/02		0%
35	temporary controller specified *NMC/CERF architecture.*	8.33 days	Mon 3/4/02	Tue 3/26/02	McBride Lance[60%]	95%

39	RF communications specified *Options are existing packet radio, "freewave" modem and satcom trial.*	8.33 days	Tue 3/26/02	Mon 4/29/02	McBride Lance[60%]	50%
41	controller housing and chassis specification/design *Pending final systems wiring layout. Craig Okuda has design for AL version of OASIS controller housing. MOOS will consider as controller and power housing.*	6 days	Tue 3/26/02	Thu 4/25/02	Chaffey Mark[10%],McBride Lance[60%]	50%
43	controller housing fabrication *Pending final wiring/interconnect design.*	20 days	Fri 4/26/02	Thu 5/23/02		0%
48	riser cable termination socket design *No progress.*	8.33 days	Fri 4/19/02	Wed 5/1/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
55	bridle/snubber strain gage specified *See 57 below.*	8.33 days	Thu 2/28/02	Mon 4/29/02	unassigned EE[60%]	40%
57	snubber hose final design specifcation *Mark C. meeting with Walter Paul at WHOI next week to finalize snubber specification.*	8.33 days	Wed 3/27/02	Mon 4/29/02	Chaffey Mark[60%],Erickson Jon[60%]	50%
61	coilcord core cable fabrication *In progress at Cortland Cable.*	35 days	Mon 4/1/02	Fri 5/17/02		49%
64	bending strain relief specified *No progress.*	3 days	Mon 4/15/02	Wed 4/17/02	Erickson Jon[60%]	0%
70	tower final detailed design *In progress, estimated 80% complete. CDR on tower and float final design planned for week of May 6.*	8.33 days	Wed 4/17/02	Mon 4/29/02	Erickson Jon[60%]	0%
71	bridle final design	5 days	Tue 3/26/02	Thu 4/25/02	Erickson Jon[60%]	50%

72	tower and bridle CDR *Planned for week of May 6.*	0 days	Mon 4/29/02	Mon 4/29/02	Erickson Jon	0%
75	float design *CDR planned for week of May 6.*	5 days	Mon 3/4/02	Tue 4/23/02	Erickson Jon[60%]	90%
78	anchor system preliminary design *No progress.*	8.33 days	Tue 4/23/02	Fri 5/3/02	Erickson Jon[60%],Chaffey Mark[60%]	0%