MOOS mooring system 10/9/02 meeting notes

Present: Duane T., Mike K., Andy, Jon E., Ed M., Lance, Carolyn, Mark C.

1. Schedule update. *8 weeks to deployment. The three reasons we are deploying Tuesday, December 3…*
   - *We need to be in winter storm conditions for our test.*
   - *We have been working hard and are very close to achieving our goal - we've come too far to miss our target now..*
   - *We do not want to lose the confidence of management that the project is capable of meeting it's objectives after having had all of it's funding and resource requests granted.*

Lance at OCEANS 2002 Week of October 24.
Zorba out after October 26.

2. Budget update. *Budget tight through deployment. Planned expenses protected.*

3. Special action items:

   - Software integration and move to deployed hardware. *All software including Globalstar communications running on deployed hardware minus power can. All looks good. Sampling rate still at fast "stress-test" rate, will be slowed down for final testing. Power consumption an issue, over power budget. Lance will check to verify who's using all that power.*

     Need to add "Hardware moves from Lab to Mooring" milestone to schedule for tracking.

   - Machine shop job status. *Work progressing well, mooring line termination is major piece that still needs to get to shop, will be critical item when gets there. Most major mechanical work should be completed by early November. See below for status of individual items.*

   - *Need to add Load dump boxes to schedule (Mark C.). Need to get work into sketch and put into shop/TSD que (Ed - after netlist).*

Current task status:

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete

1	**Mooring test deployment**	212 days	Mon 2/11/02	Tue 12/3/02		80%
16	solar panel mount fabrication *First solar panel assembly glued. Decision to completely finish panels including z-channel and edge sealing before mounting on tower and wiring. This works well with the rest of the adhesive expected Thursday. At least one panel should be complete by end of this week with three more completed next week.*	13 days	Wed 9/4/02	Fri 10/4/02	shop[50%]	75%
28	power system housing fabrication *Housings expected end of this week from platers. Shop will have chassis parts done this week.*	15 days	Thu 9/5/02	Thu 10/3/02	shop[75%]	85%
30	layout and fab power system board *Duane and Ed working on netlist. Estimated 5 days effort for layout completion.*	15 days	Tue 10/1/02	Tue 10/22/02	Mellinger Ed[20%],Duane Thompson[80%]	0%
46	controller housing and chassis fabrication *Done, just waiting on housing.*	20 days	Tue 8/20/02	Tue 10/1/02		95%
48	compass software driver *In test.*	10 days	Tue 8/20/02	Tue 10/1/02	Tom O'Reilly[50%]	90%
49	heave sensor software driver *In test.*	15 days	Fri 7/26/02	Wed 10/2/02	Rich Henthorn	90%
50	GPS software driver *In test.*	10 days	Tue 8/20/02	Tue 10/1/02	Kent Headley[50%]	90%
51	Globalstar modem software driver *In test.*	15 days	Tue 8/20/02	Fri 10/4/02	Tim Meese[50%]	75%
52	Z-Star sampling software driver *In test.*	15 days	Tue 6/25/02	Tue 10/1/02	Mike Risi	95%
54	temporary controller final assembly, test and software integration *Looking good, see*	16.67 days	Mon 9/9/02	Mon 10/7/02	McBride Lance[60%]	70%

	"Special action items" above.					
58	riser cable termination socket design *In progress, hard push for PDR by Friday.*	8.33 days	Fri 4/19/02	Wed 10/9/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
71	snubber union/instrument cage assembly design *Will go in shop Friday after CDR.*	4 days	Tue 6/11/02	Tue 10/1/02	Erickson Jon[15%]	85%
74	coilcord core cable fabrication *Cable in fabrication and Cortland will ship to Whitney Blake Thursday or Friday. Final length 1000 feet nominal.*	35 days	Mon 4/1/02	Fri 10/4/02		90%
75	coilcord fabrication *Pending arrival of core cable (above).*	6 days	Fri 10/4/02	Mon 10/14/02		0%
91	anchor system preliminary design *See below. Anchor raw materials: Mike K. checking if all parts in stock in Castroville.*	8.33 days	Tue 8/20/02	Wed 10/9/02	Andy Hamilton[20%]	25%
98	Design and model test mooring configuration *Optimizing cable float location as initial step. Anchor deployment calculations to follow.*	50 days	Tue 8/20/02	Mon 10/28/02	Andy Hamilton[20%]	62%
100	final assembly of surface float mechanical components *Major elements assembled and/or test fit. Battery box hold-downs drilled. Mike Parker will complete elevator assembly using tower #2 when parts available from shop 10/23.*	10 days	Fri 9/20/02	Fri 10/4/02	Chaffey Mark[60%],Erickson Jon[60%],Mellinger Ed[60%],observatory support[200%],Etech[80%],Mtech[80%],shop[80%]	78%
102	Wire mooring and tower *Some preliminary wiring may start as soon as tower in support engineering (Lance), major wiring as panels are available. Estimated 2 days*	5 days	Fri 10/4/02	Fri 10/11/02	Chaffey Mark[60%],Kelley Mike,Mellinger Ed,observatrory support,Etech[75%],Duane	0%

	needed for wiring (not a big job).				Thompson	
106	Prepare deployment plan *Inquiry to Pt. Sur operations made on snatch block load rating requirements. Full deployment plan effort start after M1 deployment and Mike available.*	10 days	Tue 10/1/02	Mon 10/14/02	Kelley Mike[5%],Chaffey Mark[5%],Erickson Jon[5%]	0%