

MOOS mooring system 5/29/02 meeting notes

12 weeks to deployment

Action items from last meeting:

- Jon, Mark and Mike (and possibly representative from Pt. Sur) to meet and discuss mooring deployment/recovery weight issues (overall weight is around 3200 lbs.). *CDR buoy weight came in at 3044 lbs. with 8 batteries. Project confident that mooring can stay within weight limit. Preliminary discussions with Pt. Sur operations indicate buoy weight is OK for deployment at approximately 3000 lbs.*

- Stability needs to be re-checked without lead counterweights in bridle and solar panel mounting area needs to be confirmed with Ed. *Panel area confirmed. Stability rechecked, mooring stable to over 50 degrees heel without snubber and riser attached.*

1. Project schedule. *Project continues to be about one month behind schedule. Mark Chaffey discussing alternate deployment dates with Pt. Sur operations.*

3. Current task status.

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
1	Mooring test deployment	167.67 days	Mon 2/11/02	Wed 10/2/02		23%
3	power system prelim. design & diagram <i>In progress. Siemens panels on order with 2 week delivery. Ed working on design of fusing and safety systems.</i>	8.33 days	Tue 2/12/02	Thu 5/23/02	Mellinger Ed[60%]	70%
4	power system housing specification/design <i>Current Al housing design has possible problem with O-ring seal design. Jon Erickson tracking progress for MOOS mooring project.</i>	5 days	Thu 4/25/02	Mon 5/27/02	Mellinger Ed[60%]	50%

10	power system monitoring <i>Monitoring functions will be built into the power distribution board.</i>	10 days	Mon 5/20/02	Fri 5/31/02	Mellinger Ed[60%]	20%
14	design panel mounts <i>Details of panel mounts still TBD. Jon & Ed investigating availability of 'Z' Al channel for mounting.</i>	5 days	Fri 2/22/02	Mon 3/11/02	Mellinger Ed[60%],Erickson Jon[60%]	60%
17	select solar charge controller/PPT <i>Final selection TBD, two possible COTS units.</i>	10 days	Tue 3/19/02	Tue 6/18/02	Mellinger Ed[60%]	25%
28	design wind monitoring hardware <i>Routed to A/D board as are other power monitoring signals.</i>	8.33 days	Mon 5/27/02	Thu 6/6/02	Mellinger Ed[60%]	0%
32	temporary controller requirements specified <i>All hardware either in-house or ordered. Backplane, DPA and Sidekick will be ready by June 19th.</i>	8.33 days	Mon 2/11/02	Tue 3/26/02	McBride Lance[60%]	95%
34	wave/acceleration instrument on order <i>Order needs to be placed!</i>	35 days	Tue 5/21/02	Mon 7/8/02		0%
39	RF communications specified <i>Plan is to use the Globalstar/Qualcomm modem. Service started and lab testing has begun.</i>	8.33 days	Tue 3/26/02	Thu 5/23/02	McBride Lance[60%]	75%
40	controller wiring design complete <i>In progress.</i>	8.33 days	Mon 4/29/02	Fri 5/31/02	McBride Lance[60%]	45%
41	controller housing and chassis specification/design <i>Pending final interconnect wiring design. Then housing length, bulkhead layout and chassis need to be finalized. Large connector from riser</i>	6 days	Tue 3/26/02	Thu 5/23/02	Chaffey Mark[10%],McBride Lance[60%]	50%

cable has been re-specified as BCR style which is 1 inch smaller in diameter.

48	riser cable termination socket design <i>No progress, becoming critical.</i>	8.33 days	Fri 4/19/02	Wed 5/29/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
55	bridle/snubber strain gage specified <i>Planning on 4-20mA current loop gage connected directly to A/D system. Vendor quote received for upper and lower strain gage. Resolving power and wiring issues before ordering.</i>	8.33 days	Thu 2/28/02	Mon 5/27/02	unassigned EE[60%]	40%
57	snubber hose final design specification <i>Still waiting for final specification from Walter Paul (WHOI). Flange has been finalized as a 4" weld-neck pipe flange, class 150, 316L stainless steel, electro-polished and passivated.</i>	8.33 days	Wed 3/27/02	Thu 5/23/02	Chaffey Mark[60%],Erickson Jon[60%]	75%
58	snubber hose fabrication <i>No schedule time until specification completed.</i>	84 days	Thu 5/23/02	Wed 9/18/02		0%
61	coilcord core cable fabrication <i>Initial run of 200 feet complete and forwarded to Whitney Blake for construction of test coilcord (two week process). After testing is successful 1000 more feet will be run and at least four coil-cords constructed.</i>	35 days	Mon 4/1/02	Fri 5/24/02		90%
62	coilcord fabrication <i>See above. Final build specification needs to be re-worked to note vulcanization of straight sections as well as short pigtails for base of snubber section.</i>	35 days	Fri 5/24/02	Fri 7/12/02		0%

64	bending strain relief specified <i>No progress.</i> <i>Mark C. to forward TMT modeling results of South Bay cable.</i>	3 days	Tue 5/21/02	Thu 5/23/02	Erickson Jon[60%]	0%
70	tower final detailed design <i>CDR scheduled for May 31.</i>	8.33 days	Wed 4/17/02	Mon 4/29/02	Erickson Jon[60%]	84%
71	bridle final design <i>In progress.</i>	5 days	Tue 3/26/02	Thu 4/25/02	Erickson Jon[60%]	50%
75	float design <i>CDR scheduled for May 31 along with tower.</i>	5 days	Mon 3/4/02	Tue 5/21/02	Erickson Jon[60%]	90%
78	anchor system preliminary design <i>No progress.</i>	8.33 days	Tue 5/21/02	Fri 5/31/02	Erickson Jon[60%], Chaffey Mark[60%]	0%