

MOOS mooring 9/11/02 meeting notes

Present: Jon, Ed, Lance, Keith, Andy, Tom, Duane T., John G., Tim, Mike K., Mark C.

1. Schedule update. *Schedule continues to be tight, especially on power distribution PCB and coilcord manufacture. Articles in shop for fabrication are nominally on schedule. Software drivers planning code freeze on Monday, Sept. 16.*
2. Budget update. *Last call for planned expenses through the mooring deployment. Mike K. suggested funds for fairlead block (covered) and possible traction winch rental.*
3. Special action items:
 - Check power-on state of MOOS instruments (non-volatile configuration retention). - Mark C. *Wave heave sensor and SmartStar sampling subsystem come up in default sampling state and are OK. Compass turns counter still a possible issue.*
 - In-lab GPS reception. - Lance/Duane T. *No progress, will move down to regular schedule. Duane T. will generate PO for required equipment (around \$1k).*
 - Programming guide/software functional specification. - Lance *Draft will be out today. Need to review with SW engineering ASAP because of eminency of code freeze.*
 - Anchor weight calculations. - Andrew H. *Location (N36 46.50, W122 21.00) and depth (1860 meters) defined for test mooring, no other progress. Plan is to have Mark Grosenbaugh do first anchor drop modeling run.*
4. Current task status:

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
8	fabricate and wire battery housing <i>Waiting on connectors, due in this week.</i>	8.33 days	Mon 7/1/02	Thu 9/5/02	Mellinger Ed[60%], Erickson Jon[60%]	80%
16	solar panel mount fabrication <i>All materials in place except Al angle and bonding cement. Shop welding frames.</i>	13 days	Wed 9/4/02	Mon 9/23/02	shop[50%]	0%

25	power system distribution board schematic <i>In progress. Next step CDR.</i>	16.67 days	Wed 8/21/02	Fri 9/13/02	Mellinger Ed[60%]	50%
27	power system housing specification/design <i>Housing length fixed and power and controller housings drawings go in shop today. Chassis TBD.</i>	5 days	Thu 4/25/02	Wed 9/4/02	Mellinger Ed[60%]	80%
44	fiber test card design <i>Design complete, CDR Friday (check review schedule).</i>	20 days	Thu 6/20/02	Mon 9/9/02	Scott Jensen[20%]	80%
45	fiber test card fabrication and test <i>Fabrication underway by Duane T.</i>	15 days	Tue 9/10/02	Mon 9/30/02	Scott Jensen[20%], Duane Thompson[40%]	80%
46	controller housing and chassis fabrication <i>Housing in fabrication, chassis complete.</i>	20 days	Tue 8/20/02	Thu 9/26/02		15%
48	compass software driver <i>In progress.</i>	10 days	Tue 8/20/02	Tue 9/10/02	Tom O'Reilly[50%]	50%
49	heave sensor software driver <i>In progress.</i>	15 days	Fri 7/26/02	Fri 9/13/02	Rich Henthorn	50%
50	GPS software driver <i>In progress.</i>	10 days	Tue 8/20/02	Tue 9/10/02	Kent Headley[50%]	50%
51	Globalstar modem software driver <i>In progress, additional signal line (CS) being added to connector and controller wiring revised.</i>	15 days	Tue 8/20/02	Fri 9/13/02	Tim Meese[50%]	50%
52	Z-Star sampling software driver <i>In progress.</i>	15 days	Tue 6/25/02	Fri 9/6/02	Mike Risi	80%
53	SSDS instrument metadata plan <i>In progress, instrument data stream will return "metadata" packets on initialization but not support XML notation for this deployment. SSDS will be able to provide file based archival for telemetered data and possibly</i>	3 days	Tue 8/20/02	Wed 9/4/02	John Graybeal[20%]	75%

some very rudimentary quick look data products if we bring donuts.

58	riser cable termination socket design <i>No progress.</i>	8.33 days	Fri 4/19/02	Wed 8/28/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
71	snubber union/instrument cage assembly design <i>Complete except for internal bosses for mounting fiber and wire splice housekeeping hardware.</i>	4 days	Tue 6/11/02	Thu 9/5/02	Erickson Jon[15%]	50%
73	bridle/snubber/anchor strain gage on order <i>In calibration, shipping this week. MBARI will need to pressure test deep unit.</i>	57 days	Wed 6/12/02	Wed 9/11/02	Erickson Jon[60%]	90%
74	coilcord core cable fabrication <i>Test section #3 complete.</i>	35 days	Mon 4/1/02	Mon 9/9/02		90%
75	coilcord fabrication <i>Test section #3 had one of the specified fibers test out OK. This fiber will be specified for final build. Additional \$5k cost for raw material. Material will be ordered while MBARI completes remaining qualifying pressure test.</i>	15 days	Mon 9/9/02	Mon 9/30/02		0%
86	tower fabrication <i>At heat treat facility, due back next week.</i>	35 days	Tue 6/25/02	Wed 9/4/02		98%
87	bridle fabrication <i>Complete (received).</i>	35 days	Wed 6/26/02	Mon 9/9/02		90%
91	anchor system preliminary design <i>No progress.</i>	8.33 days	Tue 8/20/02	Thu 9/12/02	Erickson Jon[60%],Chaffey Mark[60%]	25%
98	Design and model test mooring configuration <i>Specification being prepared for Mark Grosenbaugh, will go out this</i>	50 days	Tue 8/20/02	Mon 10/28/02	Chaffey Mark[20%]	25%

week.

99 Design and Fab. of stand-up support *All
material received, fabrication in progress.*

20 days

Tue 8/20/02 Mon 9/16/02 Erickson Jon

25%