

MOOS mooring system 6/19/02 meeting agenda

1. Update from the project scientist.

2. Current task status:

ID	Task Name	Duration	Start	Finish	Resource Names	% Complete
3	power system prelim. design & diagram <i>When can we expect wiring schematic?</i>	8.33 days	Tue 2/12/02	Thu 6/13/02	Mellinger Ed[60%]	80%
4	power system housing specification/design <i>Current Al housing design has possible problem with O-ring seal design. Jon Erickson following, still not known if we can use the same prints</i>	5 days	Thu 4/25/02	Mon 6/17/02	Mellinger Ed[60%]	70%
10	charge controller and monitoring <i>Design of power monitoring circuitry in progress.</i>	10 days	Mon 5/20/02	Fri 5/31/02	Mellinger Ed[60%]	50%
11	fabricate and wire battery housing <i>Battery housings in manufacture.</i>	8.33 days	Mon 6/3/02	Thu 6/13/02	Mellinger Ed[60%], Erickson Jon[60%]	0%
14	design panel mounts and tower access <i>Details of panel mounts still TBD. Jon investigating availability of 'Z' Al channel for mounting. Will get more attention as Jon finishes bridle design.</i>	5 days	Fri 2/22/02	Thu 6/13/02	Mellinger Ed[60%], Erickson Jon[60%]	75%
17	select solar charge controller/PPT <i>All charge controllers selected for evaluation are in-house.</i>	10 days	Tue 3/19/02	Tue 6/18/02	Mellinger Ed[60%]	75%
32	temporary controller requirements specified	8.33 days	Mon 2/11/02	Tue 3/26/02	McBride Lance[60%]	95%

Hardware specification complete with the exception of possible review of adding camera enable and power switching. GPS data requirements specified as the "standard output string that includes position". No special processing required. Software specification currently being reviewed. Mike Risi writing software, "micro C" OS is probably not powerful enough for reading number of channels we have at specified interval. Writing BASIC scheduler. Status of software requirements specification?

wave/acceleration instrument on order
Instrument on order, will arrive late July. Rental unit available for software check-out.

34	<i>Will coordinate decision on procuring rental unit based on controller hardware availability. Who will be assigned to write "driver" and when should the rental unit be procured?</i>	36 days	Wed 6/5/02	Wed 7/24/02		17%
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RF communications specified *Complete*.
Globalstar modem under evaluation. Preliminary analysis of RF interference in progress. High attenuation of antenna signals through DGO penetrators is leading to using separate housings for each RF device.

39	<i>progress. High attenuation of antenna signals through DGO penetrators is leading to using separate housings for each RF device.</i>	8.33 days	Tue 3/26/02	Thu 5/23/02	McBride Lance[60%]	75%
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40	<i>controller wiring design complete In progress. Overall system architecture complete as well as most of the major</i>	8.33 days	Mon 4/29/02	Mon 6/17/02	McBride Lance[60%]	60%
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wiring layout. Details of wire runs between controller and power can TBD. When can we expect wiring schematic to be complete?

41	controller housing and chassis specification/design <i>TBD. Preliminary connector layout complete.</i>	6 days	Tue 3/26/02	Fri 6/14/02	Chaffey Mark[10%],McBride Lance[60%]	50%
42	temporary controller on order/fab. <i>Board stuffing for Sidekick and DPA timeline? Could be delay before hardware arrival.</i>	20 days	Tue 5/21/02	Mon 6/17/02		85%
48	riser cable termination socket design <i>No progress.</i>	8.33 days	Fri 4/19/02	Thu 6/20/02	Chaffey Mark[60%],Erickson Jon[60%]	20%
58	snubber hose fabrication <i>Specification from Walter Paul complete and submitted to vendor for bid. Estimated 6 weeks ARO for fabrication depending on time to procure 4" weld-neck pipe flange, class 150, 316L.</i>	40 days	Wed 6/12/02	Tue 8/6/02		0%
59	bridle/snubber/anchor strain gage on order <i>Both snubber and anchor strain gages have been ordered. Delivery scheduled for 9/23/02.</i>	30 days	Wed 6/12/02	Tue 7/23/02	Erickson Jon[60%]	0%
60	coilcord core cable fabrication <i>No update. 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%
61	coilcord fabrication <i>See above. Final build specification and PO have been sent to</i>	35 days	Fri 5/24/02	Thu 7/18/02		25%

Whitney Blake. Still waiting for initial run of four test coils to be fabricated(now scheduled for July 1). MBARI will perform optical measurements and Duane T. is building cyclic test stand. This work will be highest priority so we can quickly analyze the results and release the final build.

63	bending strain relief specified <i>No progress.</i> <i>Mark C. to forward TMT modeling results of South Bay cable.</i>	3 days	Wed 6/12/02	Fri 6/14/02	Erickson Jon[60%]	0%
70	bridle final design <i>In progress. When can we schedule CDR?</i>	5 days	Tue 3/26/02	Thu 6/13/02	Erickson Jon[60%]	75%
72	tower fabrication <i>Received bid from PROMETCO, waiting 2nd bid from local fabricator. When can this PO go out?</i>	35 days	Wed 6/12/02	Tue 7/30/02		0%
75	float order and lead time <i>Float on order from Gilman manufacturing. Delivery scheduled for 8/7/02.</i>	40 days	Wed 6/12/02	Tue 8/6/02		0%
77	anchor system preliminary design <i>No progress.</i>	8.33 days	Wed 6/12/02	Mon 6/24/02	Erickson Jon[60%],Chaffey Mark[60%]	0%

3. New Tasks

- a) Mooring stand-up support design and fabrication.
- b) Specification and purchase of riser cable floats.
- c) Capturing test mooring ISI "light" and SSDS functional requirements, e.g.

-connection to portal to acquire all data available through the portal

-raw storage (includes storage of serialized data)

-basic binning of information into data sets

-querying on at least some of the data sets (which ones determined as needed by users) through a simple user interface

-definition of basic metadata for data streams

These are prototype efforts to support NMC test deployment data sets and does not provide any new capabilities for regular operational archiving and associated support of the Oasis data streams.