

Coastal Profiler Mooring – Burn-in Checklist

Checklist Document Number:	3166-80204	Version:	1-00
		Date:	9/16/14

Cruise #: _____

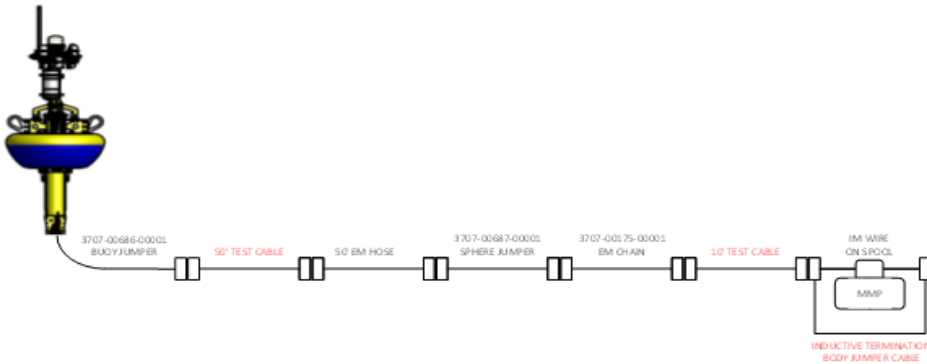
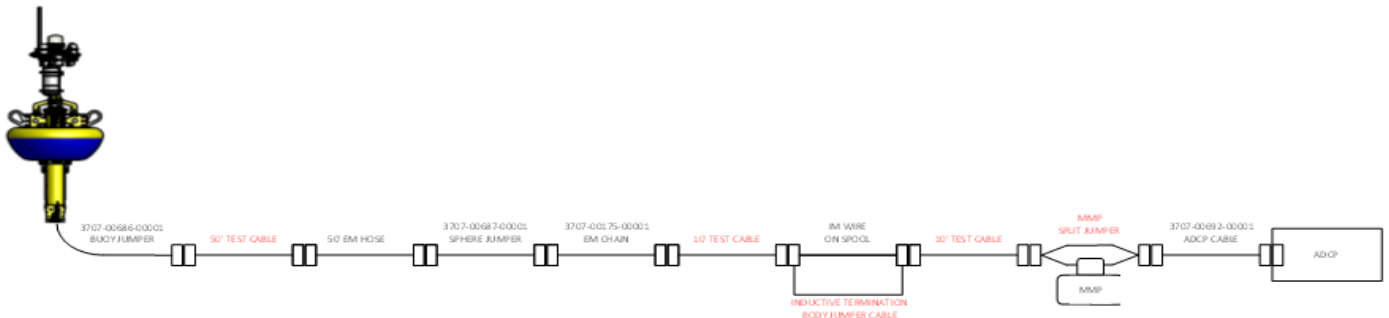
Date: _____

Mooring S/N: _____

Time (UTC): _____

Pass	By (initial) or N/A	LOSOS burn-in Test 1
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- assemble the mooring in accordance with the figure:



- unplug the CTDBP
- ADCP - Configure [\[3166-80207\]](#)
- MMP - Configure [\[3166-80209\]](#)
- ADCP - PreDeploy [\[3166-80207\]](#)
- MMP - PreDeploy [\[3166-80209\]](#)
- create a new deployment directory for each buoy on the platform shore server (B0002)
- ADCP - Deploy [\[3166-80207\]](#)
- MMP - Deploy [\[3166-80209\]](#)
- cold boot the buoy (remove the end cap magnet and reinstall the retainer)
 - reduce the SBD transmission rate
 - `bin/ucmd: _mpic set_sbd_iorate 360 60`
 - stop the 3dm datalogger
 - `bin/ucmd: _dp5 dlog_daq_off`
 - remove any 3dm files from `stc1:/data/cg_data/3dmgx3`
 - `stc1:/data/cg_data/3dmgx3# rm *.*`
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Pass	By (initial) or N/A	
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	edit the stc1_mission.cfg file on the buoy to: 60 seconds on, transmit every cycle <pre> stc1:~/current/Cfg# vi stc1_mission.cfg #cpmctl.action = xfr_irid_32,xfr_uimm_20,timeout_port5_5,timeout_wakeup_35,xfr_3dmgx3_5 cpmctl.action = xfr_irid_32,xfr_uimm_20,timeout_port5_1,timeout_wakeup_35,xfr_3dmgx3_1 #cpmctl.imm_action = timeout_port5_5,timeout_imm_150,sleep_amt_10,xfr_irid_32,xfr_3dmgx3_5 cpmctl.imm_action = timeout_port5_1,timeout_imm_150,sleep_amt_10,xfr_irid_32,xfr_3dmgx3_1 #irid.send_3dmgx3_fcnt = 6 # send every nth file irid.send_3dmgx3_fcnt = 1 # send every nth file </pre>
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	put the buoy to sleep <pre>bin/ucmd: _goto_sleep</pre> put the buoy outside [monitor the MMP serial log] allow the mooring to run for > 24 hours (include transmission either side of midnight)
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	edit the stc1_mission.cfg file on the buoy to disable 3dmgx3 data collection <pre> stc1:~/current/Cfg# vi stc1_mission.cfg #cpmctl.action = xfr_irid_32,xfr_uimm_20,timeout_port5_5,timeout_wakeup_35,xfr_3dmgx3_5 cpmctl.action = xfr_irid_32,xfr_uimm_20,timeout_wakeup_35 #cpmctl.imm_action = timeout_port5_5,timeout_imm_150,sleep_amt_10,xfr_irid_32,xfr_3dmgx3_5 cpmctl.imm_action = timeout_imm_150,sleep_amt_10,xfr_irid_32 </pre>
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	move the mission cfg file to Cfg2Buoy <pre>in Cfg2Buoy: stc1_mission.cfg</pre>
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	build an outbound command to retrieve a (iridium log) file <pre>in Cfg2Buoy: outboundcmd = "ZPUT /data/cg_data/iriid/20140328.irid.log"</pre>
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	ADCP - Deploy [3166-80207]
<input type="checkbox"/>	<input style="width: 80px; height: 20px;" type="text"/>	MMP - Deploy [3166-80209] [monitor the MMP serial log] allow the mooring to run for > 24 hours (include transmission either side of midnight)

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Pass	By (initial) or N/A
LOSOS burn-in Test 2	

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|--------------------------|--|--|
| <input type="checkbox"/> | | create a new deployment directory for each buoy on the platform shore server (B0003) |
| <input type="checkbox"/> | | unplug the MMP CTD |
| <input type="checkbox"/> | | ADCP - PreDeploy [3166-80207] |
| <input type="checkbox"/> | | MMP - PreDeploy [3166-80209] |
| <input type="checkbox"/> | | ADCP - Deploy [3166-80207] |
| <input type="checkbox"/> | | MMP - Deploy [3166-80209] |
| <input type="checkbox"/> | | cold boot the buoy (remove the end cap magnet and reinstall the retainer) |
| <input type="checkbox"/> | | reduce the SBD transmission rate
<code>bin/ucmd: _mpic set_sbd_iorate 360 60</code> |
| <input type="checkbox"/> | | perform the inductive line test |
| <input type="checkbox"/> | | <code>bin/imm -z 1</code> |
| <input type="checkbox"/> | | <code>bin/imm -z 3</code> |
| <input type="checkbox"/> | | put the buoy to sleep
<code>bin/ucmd: _goto_sleep</code> |
| <input type="checkbox"/> | | put the buoy outside
[monitor the MMP serial log] |
| <input type="checkbox"/> | | allow the mooring to run for > 24 hours (include transmission either side of midnight) |
| <input type="checkbox"/> | | cold boot the buoy (remove the end cap magnet and reinstall the retainer) |
| <input type="checkbox"/> | | reduce the SBD transmission rate
<code>bin/ucmd: _mpic set_sbd_iorate 360 60</code> |
| <input type="checkbox"/> | | archive and clean all the data off the buoy (STC) |