

Coastal Profiler Mooring – Cruise Checklist

Checklist Document Number: 3166-80210-xxxxx	Version: 1-00	Date: 5/19/16
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Cruise #: _____

Date: _____

Mooring S/N: _____

Time (UTC): _____

Pass	By (initial) or N/A	
Cruise		
<input type="checkbox"/>		tune FreeWave to buoy
<input type="checkbox"/>		connect PC to FreeWave using PuTTY and start a logfile
<input type="checkbox"/>		record the FreeWave logfile name ex CP02PMUO-0000#_Deployment_yyyy-mm-dd_fw.log
<input type="checkbox"/>		cold boot the buoy (remove the end cap magnet and reinstall the retainer)
<input type="checkbox"/>		tune WiFi to buoy
<input type="checkbox"/>		connect PC to Wi-Fi and start a logfile
<input type="checkbox"/>		record the Wi-Fi logfile name ex CP02PMUO-0000#_Deployment_yyyy-mm-dd_wifi.log
<input type="checkbox"/>		reduce the SBD transmission rate bin/ucmd: _mpic set_sbd_iorate 360 60
<input type="checkbox"/>		bin/ucmd: _mpic get_sbd_iorate
<input type="checkbox"/>		verify sbd iorate is correct
<input type="checkbox"/>		Confirm and record Buoy Vacuum pressure
<input type="checkbox"/>		Screen shot of Buoy Status webpage. <u>192.168.0.51/cgbin/view-syslog</u>
<input type="checkbox"/>		save screenshot ex (CP02PMUO-00007_ ondeck _yyyy-mm-dd.jpg
<input type="checkbox"/>		check GPS position for reasonableness
<input type="checkbox"/>		check humidity
<input type="checkbox"/>		check battery voltage
<input type="checkbox"/>		understand errors if present
<input type="checkbox"/>		make a tarfile of burnin data cp02pmuo_cg_data_p6_burnin_2016.tgz
<input type="checkbox"/>		sftp tar file to local computer
<input type="checkbox"/>		Clean old data off buoy
<input type="checkbox"/>		Carefully use rm-rf to clean out old data files DO NOT touch dataformat.txt or config_files
<input type="checkbox"/>		3dm3gx
<input type="checkbox"/>		irid
<input type="checkbox"/>		rte
<input type="checkbox"/>		syslog
<input type="checkbox"/>		imm/ imm_log adcpt mmp
<input type="checkbox"/>		superv
<input type="checkbox"/>		from_shore
<input type="checkbox"/>		irid2shore
<input type="checkbox"/>		ADCP - PreDeploy (in lab) [3166-80211] <u>sn</u>
<input type="checkbox"/>		Confirm ADCP pinging

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- MMP - PreDeploy (in lab) [3166-802012] sn _____
- MMP - Deploy (in lab) [3166-802013] sn _____
- disconnect the PC test cable
- plug in the IM coupler cable to the UIMM port
- plug in the MMP CTD
- reattach the cowling
- insert and tighten the stainless steel retainer screw
Coordinate with deck team as mooring goes in the water
Buoy, EM hose, flotation sphere, and upper bump stop are deployed
Jacketed wire rope is payed out to point where deck team can "pause"

- install the MMP on the inductive wire
Coordinate with deck team as deployment continues
Wire rope, lower bump stop, and ADCP cage are deployed
- connect the ADCP to the riser

Pause with ADCP cage in the water for IMM check to both modems
- bin/imm -z 1
- bin/imm -z 3
- if !10samplegetsummary > 30
repeat "ADCP - Deploy" to erase all ADCP samples
- Screen shot of Buoy Status webpage. 192.168.0.51/cgbin/view-syslog
- save screenshot ex (CP02PMUO-00007_**towing**_yyyy-mm-dd.jpg

- Deck team lowers and drops the anchor
- bin/imm -z 1
- bin/imm -z 3
- Confirm the number of samples in the ADCP buffer makes sense
- save screenshot ex (CP02PMUO-00007_**deployed**_yyyy-mm-dd.jpg

- Put the buoy to sleep**
- bin/ucmd: _goto_sleep
save the FreeWave and Wi-Fi logfiles
- save and record the FreeWave logfile name
ex CP02PMUO-0000#_Deployment_YYYY-MM-DD_fw.log
- save and record the Wi-Fi logfile name

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ex CP02PMUO-0000#_Deployment_YYYY-MM-DD_wifi.log

- Deck team completes mooring deployment
Spy on IMM log during post Dive Zero telemetry session
Allow to go back to sleep naturally
Mooring continues to operate on automated cycle
- Update XEOS online website with anchor survey position