

Coastal Profiler Mooring – MMP Deployment Checklist

Checklist Document Number:	3166-80213-xxxxx	Version:	1-00	Date:	5/17/16
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Cruise #: _____ Date: _____

Mooring S/N: _____ Time (UTC): _____

MMP S/N: _____

Pass	By (initial) or N/A
Cruise	

- connect to the MMP comm port (IMM/Comm Port)
- Start Terminal program and set Baud rate to 9600 8-n-1
- Record log file <mooring ref des-XXXXX_MMP_deploy-A.txt>

- Control -C to wake the MMP
- Record MMP Code version _____
- Confirm Computer clock is set to UTC
- Select option <2> Diagnostics Record battery voltage _____
- Control-C to exit Diagnostics
- Compare MMP time with computer and reset if delta is > 2 sec
- Select option <5> Bench Test:
- In Bench Tests Menu, Select <D> **Detailed schedule**
- List PID#:
- Enter Time of Dive Zero: _____

- Main Menu, Select option <C> **Configure, Password: Configure**
- <0> Battery capacity 240 Ah
- Sensor Suite:
- Port J9:CTD
- <1> Seabird 52MP CTD ----- ENABLED
- Port J5:ACM
- <2> Nortek AquaDopp2 DVS ----- ENABLED AquaDopp2
- Port J6:IMM
- <I> Telemetry ----- ENABLED IMM @ 1200 Baud
- Port J4:SSP
- BioSuite Triplet/PAR
- <J> Wetlabs ECO FLBBCD
- <N> Satlantic SUNA Nitrate
- <O> Aanderaa Optode
- <U> bbe FluoroProbe
- <W> Wetlabs ECO BBFL2 ----- ENABLED
- <Y> Wetlabs ECO FLBB2K
- <@> Wetlabs FLNTURTD
- Port J10:SPR
- <L> Wetlabs ECO FLBB(RT)/D
- <P> Biospherical PAR ----- ENABLED 2200 @ 1X, 5 samp/avg
- <\$> WetLabs CST Transmissometer
- Port J7:TRB
- <T> Seapoint IR Turbidity
- Port J8:FLR
- <E> Seapoint CHL Fluorometer
- <F> Wetlabs CDOM Fluorometer
- Port J4i:SER
- <H> ProOceanus CH4
- <M> OceanServer5000 MotionPack
- <%> Wetlabs ECO FLBBCD

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Cruise	

- Port J5i:SER
 <K> ProOceanus CO2
 <#> Aanderaa Optode
 Type x to save configuration settings
- In the Main Menu, type adv to get the hidden advanced menu Password = adv
 Set the configuration to be the following:
 - <0> full Speed 0.250 dbar/sec
 - <1> pressure Rate threshold 0.045 dbar/sec
 - <2> pressure rate Time limit 60 seconds
 - <3> Sensor warmup 120 seconds
 - <4> Sensor warmdown 120 seconds
 - <A> Annunciate comm traffic YES
 - Backtrack iterations 3
 - <D> Display verbose messages NO
 - <F> IMM use Force capture YES
 - <G> Get pressure during ramp NO
 - <H> History reset
 - <I> Infinite deployment ENABLED
 - <J> use Slower uart clock YES
 - <K> IM ACK|NAK|ETK reply timer 100 seconds
 - <L> IM Listening loop timer 120 seconds
 - <M> profiling Mode PATTERN
 - <N> adjust profile couNter -1
 - <P> caPture file enabled NO
 - <S> IMM configure Surface NO
 - <T> Terminate profile in ramp NO
 - <U> Ramp duration 30
 - <W> IMM send Wakeup tone NO
- In Bench Test Menu Select <1> SeaBird 52MP CTD communication
 Select <1> Direct Communication (9600 Baud)
 Hit enter of type N to confirm 9600 Baud setting
 Type DC at the prompt to display calibration cofS
 Type DS at the prompt to display system settings
 At the S> prompts type pump on
 confirm pumps operates
- At the S> prompts type pump off
- In Bench Test Menu Select <5> Nortek AquaDopp2 DVS communication
 Select option <1> Direct communication at 9600 baud
 Record Aquadopp SN _____

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In Bench Test Menu Select <I> Inductive Modem
Select option <1> Direct communications (9600 baud)
At the IMM> prompt type **getcd**
At the IMM> prompt type **gethd and record IMM serial number** _____

At the IMM> prompt type **getsd**

In Main Menu select Option <6> Deploy Profiler
Reboot system if asked
Type N if clock is correct
Select <A> Automated
Type Y to Format the Aquadopp disk
Select <V> Verify and Proceed
Type Y when the caps are removed
Type Y to confirm it is okay to erase all data

Confirm System Waiting Time and confirm Dive 0 is correct!!

Remove Comm Cable and Plug in IMM coupler

inspect all bulk head connections

Replace MMP cowel and tighten Stainless Steel retaining screw