

Coastal Profiler Mooring – ADCP Checklist

Checklist Document Number:	3166-80211-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
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ADCP - UIMM Configure

Configure ADCP Inductive Modem

ADCP S/N: _____

- Connect the ADCP to the test computer through benchtop inductive modem
Reference Document 3305-00107.docx for instructions on how to establish inductive communication to the ADCP through SeaTermV2 Software
- Start Log File within SeaTermV2 Software by pressing F3. Name log file: 3166-80211-XXXXX-A.log (where XXXXX is the document serial number)
Record Log File Name: 3166-80211- _____ -A.log
Press ENTER to wake up test box modem
- Get the IMM test box modem configuration with **gethd** command
- Force capture line with **FCL** command
- Within SeatermV2 navigate to **Tools** and select **Send Script...**. In Browser open **IMM ADCP Configuration Script.txt** file to run script and configure the ADCP
- Confirm ADCP IMM modem ID has been set to **10**
- Confirm the ADCP modem configuration matches the following configuration

```

  <Settings ConfigType='3'
 DebugLevel='0'
 BaudRate='9600'
 HostID='Host ID not set'
 GdataStr='CS'
 HostPrompt='x'
 ModemPrompt='IMM>'
 DeviceID='10'
 EnableHostFlagWakeup='0'
 EnableHostFlagConfirm='0'
 EnableHostFlagTerm='0'
 EnableSerialIMMWakeup='1'
 EnableHostPromptConfirm='0'
 EnableAutoIMFlag='1'
 EnablePrompt='1'
 EnableHostWakeupCR='1'
 EnableHostWakeupBreak='0'
 EnableEcho='1'
 EnableSignalDetector='1'
 EnableFullPwrTX='0'
 EnableBackSpace='1'
 EnableBinaryData='1'
 EnableLogMode='1'
 SerialType='1'
 TermToHost='13'
 TermFromHost='62'
 SerialBreakLen='25'
 MaxNumSamples='40'
 GroupNumber='0'
 THOST0='0'
 THOST1='100'
 THOST2='3000'
 THOST3='1000'
 THOST4='3000'
 THOST5='500'
 TMODEM2='5'
 TMODEM3='18000'
 TMODEM4='100'
    
```

- Erase the Modem's Buffer with **!10sampleeraseall** command
- Confirm data has been erased with **!10samplegetsummary** command
If the output of this command shows 0 records than the buffer has been cleared

Close the SeaTermV2 session
Rename the SeaTermV2 logfile and record the filename

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ADCP - Deploy

Load ADCP Mission File and Deploy

- Connect directly to the ADCP to the test computer through BBtalk
Reference Document 3305-00107.docx for instructions on how to establish serial communication to the ADCP through BBtalk Software
- Start Log File within BBtalk Software by pressing F3. Name log file: 3166-80211-XXXXX-B.log (where XXXXX is the document serial number)
Record Log File Name: 3166-80211- _____ -B.log
Press **End** key to wake up ADCP
Type **PS0** to confirm the ADCP is responsive
Type **PS3** to output transformation matrix
- Press Function Key F2 to open a script file. In Browser open the ADCP_SetupSCRIPT.txt for the correct mooring type to run the script and configure the ADCP
- Confirm all the commands within the script were sent
- Erase the recoder with **RE ErAsE** command
- Set the ADCP's internal clock to the computer's time by hitting **ctrl-T** (Make sure computer's time is in **UTC**)
- Check the ADCP's internal clock time with **TT?** Command
- Get the future start time to desired start of deployment with **TG ****/**/**,**,**,** - Time of First Ping (CCYY/MM/DD, hh:mm:ss)**
- Confirm start time is set with **TG?** Command
- Save the settings by typing **ck**
- Review all the configuration settings with **Deploy?** Command
Make sure output of **Deploy?** Is consistent with **ADCP_setupSCRIPT.txt**
- Review all the system settings with **System?** Command
Make sure output of System? Is consistent with **ADCP_setupSCRIPT.txt**
- Type **CS** to deploy ADCP
Disconnect Cable then close BBtalk program