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From: Tom O'Reilly [oreilly@mbari.org]
Sent: Monday, September 12, 2005 4:20 PM
To: Software Infrastructure and Applications for MOOS Discussion List
Subject: [siam] MTM-3 SIAM checklist draft

Attached is a draft checklist of SIAM procedures leading up to loading, cruise, and deployment. Note that the deployment procedures describing how to monitor loadcell data during buoy drop were derived from the checklist used during the MTM-2 deployment in 2004.

Please send me any suggested revisions to the checklist.

Thanks,
 Tom

A. Dockside procedures and tests

- A1. Instrument reps verify that valid instrument data is being received in SSDS
- A2. Verify watchdog reset functionality
- A3. Continuous operation test

B. Prior to loading on Point Sur

- B1. Final ATP test for each instrument
- B2. Instrument reps final verification that valid instrument data is being received in SSDS
- B3. Transfer pre-deployment SIAM log files to shore archive
- B4. Purge SIAM log directory
- B5. Verify Ethernet driver is disabled

C. Load on Point Sur

- C1. Install Freewave on Point Sur, verify communication with mooring on deck

D. Deployment

During deployment, we will monitor and capture high-frequency data from the load cell.

D1. Login via shorthaul

- Open hyperterm session to freewave (38400N81)
- When Freewave connects (can take up to 5 minutes) login ops:brynnner (have 30 seconds)
- Immediately do 'export TMOUT=0' to keep console session open
- Remember to use exit before leaving hyperterm

D2. Sample Strain Gauge

- From ops login do gosiam
- Turn on Hyperterm capture file
- Run sampleStrainGauge
- Updates every 10 min.
- ^C stops sampleStrainGauge

D3. Upload P2 and Powercan persistor data

- from ops login do gosiam
- listPorts localhost 0
- shutdownPort localhost 0
- listPorts localhost 0
- powerUpPort localhost 0
- stip -s 38400 /dev/ttySX0
- CR gives RDY prompt
- Exit gets you to PicoDOS
- C:\cd logs
- C:\logs\dir
- C:\logs\ys 1.001 1.002 ...TimeSynchLog etc
- Use hyperterm transfer>>receive file>> Y Modem to get files to local machine
- "~." Exits PicoDOS
- powerDownPort localhost 0
- scanPort localhost 0
- repeat for P2 on port 2

D4. To transfer files from mooring to local PC use YModem

- mooring# sz <files...>
- use Hyperterm>>Transfer>>Receive>>Ymodem

D5. To transfer files from local PC to mtm-1 use ZModem

- mooring# rz
- Hyperterm>>Transfer>>Send>>Zmodem

Notes/Cautions:

- Minicom doesn't work w/ ymodem on mooring (thus stip)
- rmiClient/rmiServer scripts on mooring can be run (remote, local, or combined) to debug RMI problems)
- If non-local utility,
 - pon globalstar (takes a while ~ 1 min, look for ppp)
 - Will stay up until app downloads; app will shut it down on you when finished
 - poff globalstar

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"The machine does not isolate man from the great mysteries of nature, but plunges him more deeply into them."

- ANTOINE DE SAINT-EXUPERY
"Wind, Sand, and Stars" (1939)