







## LIST OF DEVICES (picture names):

### GPS Antennae

- 90D\_antenna.jpg
- bridge\_1850\_antenna.jpg
- chrm\_1850\_antenna.jpg
- cnav\_3050\_antenna – need picture

### GPS receiver

- cnav\_receiver.jpg
- navigator.jpg – ports/set-up/comms with cnav receiver
- bridge\_1850\_receiver – need picture
- chrm\_1850\_receiver – need picture
- 90D\_receiver – need picture

### Moxa TCC-80-DB9 – converts signal format from RS-422 to RS-232 and vice versa

- converter\_I.jpg – cnav port 2 RS-232 to RS-422 9600 baud
- converter\_II.jpg – cnav port 3 to A-3 switch (bridge) – RS-232 to RS-422
- converter\_III.jpg – cnav port 4 to phins – RS-232 to RS422
- converter\_IV\_V.jpg – IV = 1850, V = 90D – both converting RS-422 to RS-232
- converter\_VI\_a.jpg and converter\_VI\_b.jpg – Heading to science switched source
- converter\_VII – chartroom 1850 RS422 to RS-232

### DX28 – NMEA 0183 Dual Expander – Noland – a 2-channel signal splitter/amplifier for NMEA 0183 data signals – input is RS422

- DX28\_I.jpg – Bridge 1850
- DX28\_II.jpg – CNav to Sonardyne feed
- DX28\_III.jpg – GPS sources to Phins – 1850 & cnav
- DX28\_IV\_V.jpg – IV=ship phins port E heading source; V=switch B-2 & B-3 sources
- DX28\_VI\_VII\_VIII.jpg – VI = gyro#1; VII = gyro#2; VIII = spare (not sure why stored on wall)
- GE-2\_KTD-83.jpg – GP 90D GPS
- DX28\_IX.jpg – Chartroom 1850

### VP14 – Kramer Tools – RS-232 port extender – distributes an incoming RS-232 command/signal to 3 other ports

- VP14\_I.jpg – Cnav from port3 (connected to II)
- VP14\_II.jpg – Cnav from port3 (connected to I)
- VP14\_III\_IV\_V\_VI.jpg – bridge 1850 (front rail) and 90D (back rail)

