RT-130 SERVICE SHEET (last revised 7/25/08)

STATION:_____ Month:_____ Day:_____ Year:_____ ARRIVAL TIME(local):_____

OPERATOR:_____ DAS S/N:_____ POWER BATT:_____(V) GPS S/N:_____

DAS Status: Control -> Status: (use Update to Refresh)

Time:_____ Accurate? Y / N
Acq:_____
Events:_____
RAM:_____of_____ __Increasing?
Disk1:_____of_____ __(Current)
Disk2:_____of_____ __(Current)
Temperature:_____
*Power:_____ Bkup____
Ch:_____ DS:_____

GPS Status: GPS

Time:_____
Sec since LL:_____
Phase Diff.(us):_____
Status:_____ SV's:___
Lat:_____
Lon:_____
Alt(m)_____
Mode:_____

*If Power is <12Volts, follow instructions on back of this page.

CALIBRATION (optional): Control -> Aux. Cntrl -> Test 1-3:.....*Wait quietly for 18 min*._____

SENSOR MASS POSITION: Control -> Aux. Cntrl -> Aux. Ch.

Voltage CH 1: _____ CH 2: _____ CH 3: _____
Use **Center 1-3** to *recenter* if any CH > +/-1.5 volts Guralp; > +/-2.5 volts STS-2. Check here___
Continue with recenter command (and update) until all channels are < +/- 1.5 V (Guralp); 2.5 V (STS2)
Enter final mass position voltages: CH 1: _____ CH 2: _____ CH 3: _____

STOP ACQUISITION: Control -> Status -> Stop Acq: ***Wait until disk is no longer in use***, update status screen then remove and record time here:_____

Disks Removed: 1 2 (circle one or both). ***LABEL these DATA Disks – do not reuse them until they are downloaded and backed up.*** Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.

ROUTINE SERVICE	**REPLACEMENT (record details and new S/N below!)**
Control -> RAM -> Clear....._____	Control->Status->GPS Status:..._____(confirm lock?)
Control -> Reset DAS:....._____	*Configuration: Load new parameters only after GPS lock*
Control -> Format Disk 1:....._____	Control -> RAM -> Clear:....._____
Control -> Format Disk 2:.....:_____	Control -> Reset DAS:....._____
	Control -> Format Disk 1 & 2:…._____

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WAVEFORM MONITOR: Control -> Monitor -> View: Record *Midpoint(M)* and *Range(R)*

CH 1: M_____ R_____ CH 2: M_____ R_____ CH 3: M_____ R_____
Microseism?___ Microseism?___ Microseism?___

START ACQUISITION: Control -> Status -> Start Acq.

DAS Status: use Update to Refresh

Time:_____
Acq:_____
Events:_____
RAM:_____of_____ __Increasing?
Disk1:_____of_____ __(Current)
Disk2:_____of_____ __(Current)
Temperature:_____
Power:_____Bkup_____
Ch:_____ DS:_____

GPS Status: GPS

Time:_____
Sec since LL:_____
Phase Diff.(us):_____
Mode:_____
Status:_____ SV's:_____
Lat:_____
Lon:_____
Alt(m):_____

DISK SETUP: Control -> Disk
Dump Threshold 66 %
Auto-wrap NO
Dump on ET NO

Write .CFG File to Disk: Control -> Status -> DAS LP/WP : Tap the WRITE button, OK

STATION:_____ DATE:_____

Mass Position Offsets (recheck) (Control ⇒ Aux. Control ⇒ Aux Ch.)
Ch 1: _____V Ch 2: _____V Ch 3:_____V

Make sure all unused connectors are capped, site is neat, solar panel is clean.

IF POWER is Low (<12V)**,** Check Batt, solar, power box, all connections below:
[NOTE: The following tests should be performed with the solar panels in full sun.]
1. Disconnect the solar panel.
2. Test output of the batteries (12.5 – 13 Volts DC
WARNING: DO NOT test the current of the battery)
3. Test the voltage out of the power box to the DAS from pin A+ to C-. (Same as battery voltage measured above).
! Make sure the polarity is correct
4. Test the solar panel output (~2A, 18 Volts DC)
7. Connect the solar panels to power box
8. Test the voltage at the battery terminals (Greater than the battery voltage measured above).

DEPARTURE TIME(local):_____

PLEASE NOTE GENERAL STATE OF THE STATION AND ANY SPECIAL PROBLEMS IN SPACE BELOW