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

STATION:_________  Month:______   Day:______   Year:______  ARRIVAL TIME(local):____________

OPERATOR:____________________

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

GPS Status: GPS

DAS S/N:_________  POWER BATT:_________(V)

Time:____________________  Accurate? Y / N

Acq:____________________

Events:____________________

Sec since LL:____________

RAM:_________of_________ Increasing?

Status:____________

Disk1:_________of_________ (Current)

Lat:____________________

Disk2:_________of_________ (Current)

Lon:____________________

Temperature:_____________

*Power:________________ Bkup____

Ch:__________  DS:_______

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

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


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 -> Reset DAS:………..____

Control -> Format Disk 1:………..____

Control -> Format Disk 2:………..____

Control -> Status -> GPS Status:………..____(confirm lock?)

Configuration: Load new parameters only after GPS lock

Control -> RAM -> Clear:………..____

Control -> Reset DAS:………..____

Control -> Format Disk 1 & 2:………..____

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

GPS Status: GPS

Time:____________________

Acq:____________________

Events:____________________

Sec since LL:____________

RAM:_________of_________ Increasing?

Mode:____________

Disk1:_________of_________ (Current)

Status:____________

Disk2:_________of_________ (Current)

Lat:____________________

Temperature:_____________

Lon:____________________

Power:__________  Bkup____

Alt(m):____________________

Ch:__________  DS:_______

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)
5. Connect the solar panels to power box
6. 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*