HLP RT-130 SERVICE SHEET (v4) (last revised 20080716 MJF)

STATION: OR/0907 Month: 7 Day: 9 Year: 2008 ARRIVAL TIME (local): 1:15 PM
OPERATOR: Mage / Eagle DAS S/N: 4050 POWER: BATT-1: 12.95 BATT-2: 12.95

Voltage CH 1: -0.2 CH 2: -0.7 CH 3: 0.7
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: 

DAS Status: Control -> Status: (use Update to Refresh)
Time: 2008/253/21 1:53.5 Accurate? ON N
Acq: Start: 0
Events: 6136
RAM: 2179 of 4352 Increasing?
Disk1: 1346 of 1930 (Current)
Disk2: 0 of 1930 (Current)
Temperature: 38.4
Power: 12.7, 3.3, 0.0
Ch: 135 DS: 6

GPS Status: GPS
Time: 2008/253/21 01:53
Sec since LL: 00:00:00:00
Phase Diff.(us): 0
Mode: cycle
Status: 01640 SV's: 0
Lat: 42° 46' 25.01"
Lon: 119° 03' 39.9"
Alt(m): 1875

CALIBRATION: Control -> Aux. Cntr -> Test 1-3: Wait quietly for 18 min.

STOP ACQUISITION: Control -> Status -> Stop Acq: Wait until disk is no longer in use, update status screen then remove and record time here: 3:02 PM

☑ Remove disk(s) and label with station ID, disk #, & final data amount (in MB)

Once disks are removed: 02 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.

IMPORTANT NOTE: Disk 1 must be current once acquisition starts. If changing both disks, then insert disk1 first, and leaving disk2 slot empty, dump RAM to disk1 (Control -> RAM -> Dump RAM), then insert disk2 and proceed.

ROUTINE SERVICE
Control -> RAM -> Clear: ☑
Control -> Reset DAS: ☑
Control -> Format Disk 1: ☑
Control -> Format Disk 2: ☑

REPLACEMENT (record details and new S/N below!)
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 9425 R 457 CH 2: M 779 R 527 CH 3: M 331 R 457
Microseism? ☑ Microseism? ☑ Microseism? ☑

START ACQUISITION: Control -> Status -> Start Acq.
DAS Status: use Update to Refresh
Time: 2008/253/21 01:13
Acq: Start: 0
Events: 0
RAM: 29 of 14352 Increasing?
Disk1: 0 of 1930 (Current)
Disk2: 0 of 1930 (Current)
Temperature: 38.4
Power: 12.7, 3.3, 0.0
Ch: 135 DS: 0

GPS Status: GPS
Time: 2008/253/21 01:13
Sec since LL: 00:00:00:00
Phase Diff.(us): 0
Mode: cycle
Status: 01640 SV's: 0
Lat: 42° 46' 25.01"
Lon: 119° 03' 39.9"
Alt(m): 1875

DEPARTURE TIME (local): 2:15 PM

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

replaced torp
HLP RT-130 DEMOBILIZATION SHEET (v4) (last revised 20090904 MJF)

OPERATOR: [Operator Name] Power: BATT-1: [Value] BATT-2: [Value]
Voltage CH 1: +2.2 CH 2: +1.3 CH 3: -4.4
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: +1.6 CH 2: +1.0 CH 3: -0.4

DAS Status: Control -> Status: (use Update to Refresh)
Time: 09:06: 15:21.85 Accuracy: [Value] N
Acq: Start: on
Events: 4350
RAM: 11.41 of 43.87 Kb Increasing?
Disk1: 153.55 M 19.80 mb % (Current)
Disk2: 0 Mb 19.30 mb % (Current)
Temperature: 27°C
Power: 12.7 N - 0.23.3 kPa
Ch: 123

GPS Status: GPS
Time: 09:48: 15:47.8
Sec since LL: 00:00:00.000
Phase Diff. (us): 00 00 00
Mode: cyclic
Status: 5346 SVs: 3
Lat: N 42:46:23.69
Lon: W 119:02:70.69
Alt(m): 1349

CALIBRATION: Control -> Aux. Ctrl -> Test 1-3:..... Wait quietly for 18 min.

STOP ACQUISITION: Control -> Status -> Stop Acq: Wait until disk is no longer in use, update status screen then remove and record time here: 13:10 PM

Remove disk(s) and label with station ID, date, disk #, & final data amount (in Mb)

DEMOBILIZE STATION

SENSOR
- If sensor is a 3T: lock masses twice with power on using breakout box; confirm masses pegged; disconnect breakout box (NB: May need to connect AUX power cable to breakout box first, or use HCU with power cable)
- If sensor is an STS2: disconnect breakout box; lock masses with power off
- Confirm alignment of sensor with vault alignment line. If not aligned, enter misalignment value: [Value]
- Remove sensor; enter sensor information: Type: [Value] Serial #: [Value]
- Enter assumed declination from installation (as written on sensor pad): [Value]
- Confirm Brunton compass declination is set to same value as that written on pad
- Measure orientation of vault alignment line (N-S for Guralp; E-W for Streekheisen). Enter orientation: [Value]

If measured orientation does not appear to be correct, double check measurement and confirm with at least one other team member!

DATALOGGER
- Disconnect power box
- Disconnect datalogger (all cables); enter serial #: [Value]
- Disconnect batteries; cover terminals with plastic caps or tape
- Disconnect solar panels and GPS; enter GPS serial #: [Value]

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

We bumped sensor slightly with sensor hut before it was locked - not too hard though (not a problem, I think).