STATION: OR 039  Month: 06  Day: 24  Year: 2006  ARRIVAL TIME (local): 4:45
OPERATOR: DAVID JAMES  DAS S/N: 92F8  SENSOR S/N: 19042  GPS S/N: 3259
HH GPS Sta Loc: Lat: N 43° 835 94, Lon: W 120° 658 96, Elv: 1401

BATT-1: 12.79  BATT-2: 12.79

Voltage CH 1: -0.06  CH 2: -0.02  CH 3: -0.04
Use Center 1-3 to recenter if any CH > +/-1.5 volts and check here then Update

DAS Status: Control -> Status: use Update to Refresh  GPS Status: GPS
Time:  
Acq:  
Events:  
RAM:  
Disk1: (Current)  
Disk2: (Current)  
Temperature:  
Power:  
Ch:  
DS: 

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 then remove and record time here:

Removed  DISK 1 S/N  DISK 2 S/N  
Installed  DISK 1 S/N  DISK 2 S/N  

START HERE FOR NEW INSTALLATION

POWER: BATT-1: 12.79  BATT-2: 12.79  HH GPS Sta Loc: Lat:  

START ACQUISITION: Control -> Status -> Start Acq.
DAS Status: use Update to Refresh  
Time: 2006:176:03:16:17  
Acq: START ON  
Events: 2  
RAM: 4.3 Gb 4608 Kb  
Disk1: 0.4 Gb 1950 Mb  
Disk2: 0.4 Gb 1950 Mb  
Temperature: 27.9°C  
Power: 12.4 V 3.3 A 0.0  
Ch: 1 2 3  
DS: 

**********PLEASE NOTE ANY SPECIAL PROBLEMS ON THE BACK SIDE OF THIS SHEET.**********
STATION: OR034  Month: 1  Day: 22  Year: 2006  ARRIVAL TIME(local): 15:40
OPERATOR:  Name/Unit:  DAS S/N: 92F8  SENSOR S/N:  GPS S/N:  
Handheld GPS Stat Loc: Lat:  Long:  Elev (m):  
POWER:  BATT-1: 13.52  BATT-2: 13.52  SOLAR PANEL(S) OUTPUT:  
Voltage CH 1: 9.9  CH 2: +1.1  CH 3: -9.9  
Use Center 1-3 to recenter if any CH > +/- 1.5 volts and check here.  
Continue with recenter commands (and update) until all channels are < +/- 1.5 V.

DAS Status: Control -> Status: use Update to Refresh  
Time: 2006-12-22 23:14:54  Accurate? Y/N  
Acq: 5/S6/1950  Events: 1334  
RAM: 266 MB 4608 MB  
Disk1: 31% 1950  
Disk2: 0 1950  
Temperature: 23.5°C  
Power: 12.1 3.3 0.0  
Ch: 123  

CALIBRATION: Control -> Aux. Ctrl1 -> 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: 15:48 local

Disks Removed: 2 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.  

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

REPLACEMENT  
Control -> RAM -> Clear:.............  
Control -> Reset DAS:................  
Control -> Format Disk -> 1 & 2: 

Configuration: Load or Edit parameters:  
Send new parameters to DAS ONLY AFTER GPS HAS LOCKED: Control -> Status -> GPS Status  

WAVEFORM MONITOR: Control -> Monitor -> View: Record Midpoint and Range 

CH 1 20434 478  CH 2 -20454 501  CH 3 13937 294  

START ACQUISITION: Control -> Status -> Start Acq.  
DAS Status: use Update to Refresh  
Time: 2006-12-22 23:14:54  
Acq: 5/S6/1950  Events: 1334  
RAM: 266 MB 4608 MB  
Disk1: 31% 1950  
Disk2: 0 1950  
Temperature: 23.5°C  
Power: 12.1 3.3 0.0  
Ch: 123  

GPS Status: GPS  
Time: 2006-12-22 23:14:54  
Sec since LL: 00:00:19  
Phase Diff.(us): 0  
Mode: Cycle  
Status: Sleep SV's: 10  
Lat: N 43°50.1560'  
Lon: W 120°33.5378'  
Alt(m): 1401 

DEPARTURE TIME(local): 18:45 local

********PLEASE NOTE ANY SPECIAL PROBLEMS IN SPACE BELOW********

Opened sensor vault + checked centering through broadcast box. Channels 1-3 both +10.8 - not pinned but unable to come right. Sensor out of level, relevel. Final mass positioning +1.3 -0.7 +0.4 Bad Sensor => sensor vault buried => -0.8 -0.4 0.4
STATION: OR03A  Month: 07  Day: 22  Year: 2006  ARRIVAL TIME(local): 10:15
OPERATOR: DAVID JAMES  Handled GPS Sta Loc: Lat:  Long:  Elev (m): 
GPS S/N: 1298
POWER: BATT-1: 12.98  BATT-2: 12.99  SOLAR PANEL(S) OUTPUT: 
SP OR MASS POSITION: Control -> Aux. Ctrl -> Aux. Ch.
Voltage CH 1: 0.4  CH 2: 1.4  CH 3: -9.9
Use Center 1-3 to recenter if any CH > +/-1.5 volts and check here. 
Continue with recenter commands (and update) until all channels are < +/- 1.5 V.

DAS Status: Control -> Status: use Update to Refresh
Time: 
Acq: 
Events: 
RAM: 
Disk1: 
Disk2: 
Temperature: 
Power: 
Ch: 
DS: 
GPS Status: GPS
Time: 
Acq: 
Events: 
Sec since LL: 
Phase Diff.(us): 
Mode: 
Status: 
SV’s: 
Lat: 
Lon: 
Alt(m): 

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:

Disks Removed: 1 2 (circle one or both). Install new disk(s): Confirm that correct disk
has been removed by checking disk content: Control -> Status: disk1/disk2.

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

REPLACEMENT
Control -> RAM -> Clear:
Control -> Reset DAS:
Control -> Format Disk -> 1 & 2:

Configuration: Load or Edit parameters:
Send new parameters to DAS ONLY AFTER GPS
HAS LOCKED: Control -> Status -> GPS Status

WAVEFORM MONITOR: Control -> Monitor -> View: Record Midpoint and Range
CH 1 ___________ CH 2 ___________ CH 3 ___________

START ACQUISITION: Control -> Status -> Start Acq.
DAS Status: use Update to Refresh
Time: 
Acq: 
Events: 
Increasing? 
RAM: 
Disk1: 
Disk2: 
Temperature: 
Power: 
Ch: 
DS:
GPS Status: GPS
Time: 
Sec since LL: 
Phase Diff.(us): 
Mode: 
Status: 
SV’s: 
Lat: 
Lon: 
Alt(m):

DEPARTURE TIME(local): 

*****PLEASE NOTE ANY SPECIAL PROBLEMS IN SPACE BELOW*****

Visited site and recorded above more positive bent a few centering pulses but Ch 1 & 3 could not
be centered. Made Ch1: 9.9  Ch2: 1.2  Ch3: 39.9
Keep site to get tools.
Bad sensor - bizarre centering behavior.

Existing sensor (#19042) replaced with #19124 - STS-2. Edited configuration file and sent to DAS. Could not get sensor to center.

Mass positions: -0.3 0.2 -1.2

Old sensor showed strange centering behavior with different channels first centered and then off-center (e.g. 0.4 V) and refusing to change. Monitor showed linear drift and strange angular waveforms.

7/22/06
STATION: OR034  Month: 10  Day: 20  Year: 2005  ARRIVAL TIME (local): 12:10
Voltage CH 1: +2.1  CH 2: +2.7  CH 3: +2.9
Use center 1-3 to recenter if any CH > +/-1.5 volts. Check here.
Continue with recenter commands (and update) until all channels are < +/- 1.5 V.
Enter final mass position voltages: CH 1: +0.6  CH 2: +0.7  CH 3: +0.8

DAS Status: Control -> Status: use Update to Refresh  GPS Status: GPS
Time: 2005: 293: 15:05  Accurate? Y / N
Acq: Start ON
Events: 4308
RAM: 6672 of 4608
Disk1: 1120 of 1950
Disk2: 0 of 0
Temperature: 82.6°C
Power: 13.2, 3.3
Ch: 128  DS: CC

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: 12:55

Disks Removed: 1/2 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: (disk1/disk2).

ROUTINE SERVICE
  Control -> RAM -> Clear:..........✓  Control -> RAM -> Clear:..........✓
  Control -> Reset DAS:..........✓  Control -> Reset DAS:..........✓
  Control -> Format Disk -> 1 & 2:..........✓

REPLACEMENT
  Confirm GPS lock:
  Control -> Status -> GPS Status: (lock?)
  Configuration: Load or Edit parameters
  Send new parameters
  Control -> RAM -> Clear:..........✓
  Control -> Reset DAS:..........✓
  Control -> Format Disk -> 1 & 2:..........✓

WAVEFORM MONITOR: Control -> Monitor -> View: Record Midpoint(H) and Range(R)
CH 1: M - 800  R 361  Microseism? ✓
CH 2: M - 143  R 488  Microseism? ✓
CH 3: M - 9  R 524  Microseism? ✓

START ACQUISITION: Control -> Status -> Start Acq.
DAS Status: use Update to Refresh
Acq: Start ON
Events: 2
RAM: 840 of 4608  ✓ Increasing?
Disk1: 0 of 1950  ✓ (Current)
Disk2: 0 of 0  ✓ (Current)
Temperature: 9.6°C
Power: 13.3, 3.3
Ch: 128  DS: CC

GPS Status: GPS
Sec since LL: 0
Phase Diff (us): 0
Mode: Cycle
Status: Locked  SV’s: 9
Lat: 45: 58: 135: 5
Lon: 120: 23: 348: 3
Alt(m): 1405

DEPARTURE TIME (Local): 12:45

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

All well. Subsequent look at records suggested spiking and other problems.
not visible on the monitor test.
HLP RT-130 SERVICE SHEET

Voltage CH 1: 10.2  CH 2: 0.3  CH 3: 1.5
Use Center 1-3 to recenter if any CH > +/-1.5 volts Guraiap; > +/-2.5 volts STS-2. Check here
Continue with recenter command (and update) until all channels are < +/- 1.5 V (Guraiap); 2.5 V (STS2)
Enter final mass position voltages: CH 1: 13.51  CH 2: 13.51  CH 3: 1.5

DAS Status: Control -> Status: (use Update to Refresh)
Time: 2007-12-18 18:25:55  Accurate
Acq:  Start on
Events: 10000
RAM 240 MHz 4 GB
Increasing?
Disk: 1 1980, 1950 (Current)

GPS Status: GPS
Time: 2007-12-18 18:26:57
Sec since LI: 0
Phase Diff. (us): +20,400
Mode: GPS
Status: Locked SVs: 9
Lat: 45° 30.1868
Lon: 120° 23.585
Alt(m): 1296

CALIBRATION: Control -> Aux. Ctrl -> Test 1-3: Wait quietly for 10 min.

STOP ACQUISITION: Control -> Status -> Stop Acq: Wait until disk is no longer in use, update status screen then remove and record time here: 12:46

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

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

WAVESFORM MONITOR: Control -> Monitor -> View: Record Midpoint(M) and Range(R)
CH 1: M 4900 R 183  CH 2: M 3451 R 32 P  CH 3: M 6551 R 253
Microsem?  
Microsem?  
Microsem?  

START ACQUISITION: Control -> Status -> Start Acq:
DAS Status: use Update to Refresh
Time: 2007-12-18 20:00:37
Acq: Start on
Events: 2
RAM: 20 MHz 4 GB
Increasing?
Disk 1: 0 1900 (Current)
Disk 2: 6 1911 (Current)
Temperature: 20.8
Power: 12.2 3.6
Ch: 123 DS: 60

GPS Status: GPS
Time: 2007-12-18 20:01:26
Sec since LI: 0
Phase Diff. (us): +24,000
Mode: GPS
Status: Locked SVs: 6
Lat: 45° 30.1547
Lon: 120° 23.5399
Alt(m): 1299

DEPARTURE TIME: 13:05

*PLEASE NOTE GENERAL STATE OF THE STATION AND ANY SPECIAL PROBLEMS IN SPACE BELOW*
All running well. Installed new firmware 2.8.25. Activated mass center data stream, 0.1 Hz sample rate, 30 sec. record length.
**HLP RT-130 SERVICE SHEET** (last revised 6/27/2007 DEJ)

**STATION:** 02:03  Month: 19  Day: 25  Year: 2007  ARRIVAL TIME (local): 11:20 AM

**OPERATOR:** TEST/MAEVOS  DAS S/N: 52F8  POWER: BAT1: 14.38  BAT2: 14.38

**SENSOR MASS POSITION:** Control -> Aux. Ctrl -> Aux. Ch.

Voltage CH 1: 1.5  CH 2: 1.0  CH 3: 1.3

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:  

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

- **Time:** 2007 27B 16:30:44
- **Acq:** STA 10 CN
- **Events:** 10707
- **RAM:** 482 of 4572
- **Increasing?**
- **Disk1:** 1828 of 1950
- **Current**
- **Disk2:** 0 of 1971
- **Current**
- **Temperature:** 5.5°C
- **Power:** 14.2  5.38
- **Ch:** 1.3  DS: CC

**GPS Status:**

- **Time:** 18:32:51
- **Sec since LL:** 95.9
- **Mode:** CYCLE
- **Status:** SLEEP
- **SV's:** 10
- **Lat:** 45° 30.1550'
- **Lon:** 120° 33.5374'
- **Alt(m):** 1395

**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: 18:52:04

Disks Removed: 1-2 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.

**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:  
- 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)

- Microseism?  
- Microseism?  

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

- DAS Status: use Update to Refresh
- **Time:** 18:57:03
- **Acq:** STA 10 CN
- **Events:** 3
- **RAM:** 34 of 4352
- **Increasing?**
- **Disk1:** 0 of 1971
- **Current**
- **Disk2:** 0 of 1971
- **Current**
- **Temperature:** 7.5°C
- **Power:** 14.2  3.3
- **Ch:** 1.3  DS: CC

**GPS Status:**

- **Time:** 18:57:19
- **Sec since LL:** 0
- **Phase Diff.(us):** -1
- **Mode:** CYCLE
- **Status:** LOCK  SV's: 10
- **Lat:** 45° 30.1550'
- **Lon:** 120° 33.5374'
- **Alt(m):** 1395

**DEPARTURE TIME (local):** 12:40

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

*STATION IN GOOD CONDITION*
HLP RT-130 SERVICE SHEET (last revised 6/27/2007 DEJ)

Voltage CH 1: 0.1 CH 2: 0.0 CH 3: -1.2
Use Center 1-3 to recenter if any CH > +/- 1.5 volts Gurai+p: > +/- 2.5 volts STS-2. Check here ______
Continue with recenter command (and update) until all channels are < +/- 1.5 V (Gurai+p); 2.5 V (STS2)
Enter final mass position voltages: CH 1: _______ CH 2: _______ CH 3: _______ 

DAS Status: Control -> Status: (use Update to Refresh)
Acq: _______ Events: 15600
RAM: 1077 4352 Increasing?
Disk1: 1502 1971 (Current)
Disk2: 1035 1971 (Current)
Temperature: 150
Power: 13.2m 037354 00.03ch4(U)
Ch: 123 DS: C

GPS Status: GPS
Sec since L1: 67:127:00
Phase Diff.(us): 99,000
Mode: L1-L2
Status: Search of SVs: 10
Lat: 45.5651
Lon: 128.5382
Alt(m): 1404

CALIBRATION: Control -> Aux. Cntrl -> 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: 2008:142:12:58:39
Disks Removed: 1 2 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.

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

WAVEFORM MONITOR: Control -> Monitor: View: Record Midpoint(M) and Range(R)
CH 1: M-142 R-48 CH 2: M-208 R-1335 CH 3: M-287 R-1405

START ACQUISITION: Control -> Status: Start Acq.
DAS Status: use Update to Refresh
Acq: _______ Events: 0
RAM: 1564352 Increasing?
Disk1: 1077 1971 (Current)
Disk2: 0 1971 (Current)
Temperature: 150
Power: 13.2m 037345 00.03ch4(U)
Ch: 123 DS: C

GPS Status: GPS
Time: _______
Sec since L1: _______
Phase Diff.(us): _______
Mode: _______
Status: _______ SV's: _______
Lat: _______
Lon: _______
Alt(m): _______

DEPARTURE TIME(local): 3:58

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

WINDY! GPS Antenna Dead
HLP RT-130 SERVICE SHEET (v3) (last revised 6/27/2007 DEJ)

STATION: **OR34**  Month: **5**  Day: **22**  Year: **2008**  ARRIVAL TIME (local): ?
OPERATOR: **West Magee**  DAS S/N:  POWER: BATT-1:  BATT-2:

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:

DAS Status: Control -> Status: (use Update to Refresh)
Time:  Acc:
Events:
RAM:  Increasing?
Disk1: (Current)
Disk2: (Current)
Temperature:
Power:
Ch:  DS:

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

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:

Disks Removed: 1 2 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.

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 ______ 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:  Increasing?
Disk1: (Current)
Disk2: (Current)
Temperature:
Power:
Ch:  DS:

GPS Status: GPS
Time: **2008 14:34:34**
Sec since LL: 0
Phase Diff.(us): -2.865
Mode: Cycle
Status: Locked  SV's: 11
Lat: **N 43:50:15.13**
Lon: **W 120:33:53.86**
Alt(m): **1396**

DEPARTURE TIME (local): 9:40

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

replaced GPS antenna and tarp
HLP RT-130 SERVICE SHEET (last revised 6/27/2007 DEJ)

Voltage CH 1: -0.3  CH 2: +0.5  CH 3: +0.4
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:  
CH 2:  
CH 3:  

DAS Status: Control -> Status: (use Update to Refresh)  
Acq. Status ON  
Events: 5136  
RAM: 13149  of 4352  
Disk1: 145% of 1937  (Current)
Disk2: 20% of 1950  (Current)
Temperature: 21.8°C  
Power: 13.2  3.3  0.0  
Ch: 123  DS: CC

GPS Status: GPS  
Sec since LL: 0
Phase Diff.(us): 3450  1 us
Mode: Cycle
Status: Locked  SVs: 10
Lat: N 43:59:15 56
Lon: W 120:39:53 46
Alt(m): 1694

CALIBRATION: Control -> Aux. Cntrl -> 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: 13:49

Disks Removed: 1 (circle one or both). Install new disk(s): Confirm that correct disk has been removed by checking disk content: Control -> Status: disk1/disk2.

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:  
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 1014  R 240  CH 2: M 1025  R 606  CH 3: M 979  R 582
Microseism?  

START ACQUISITION: Control -> Status -> Start Acq.
DAS Status: use Update to Refresh  
Acq. Status ON  
Events:  
RAM: 39% of 4352  
Disk1: 0% of 1950  (Current)
Disk2: 0% of 1950  (Current)
Temperature: 21.8°C  
Power: 13.2  3.3  0.0  
Ch: 123  DS: CC

GPS Status: GPS  
Sec since LL: 0
Phase Diff.(us): 150  7 us
Mode: Cycle
Status: Locked  SVs: 10
Lat: N 43:59:15 56
Lon: W 120:39:53 46
Alt(m): 1694

DEPARTURE TIME(local): 14:00

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

- Taping GPS ant. (note -> has orange ring)  
- Replacing green tarp w/silver
HLP RT-130 DEMOBILIZATION SHEET (v4) (last revised 20090904 MJF)

OPERATOR:  Date: 20090517  DAS S/N: 92FB  POWER: BATT-1: 13.5 V  BATT-2: 13.5 V
SENSOR MASS POSITION: Control -> Aux/Cntrl -> Aux Ch.
Voltage CH 1: -0.0 V  CH 2: +0.3 V  CH 3: +0.0 V
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: 2009-05-17 17:45:31  Accurate? Y/N
Acq: ___ Start ___
Events: 5,112
RAM: 224 MB  4552 KB  ✓ Increasing?
Disk1: 15.64 G  14.71 MB  ✓ (Current)
Disk2: 0 G  1450 MB  _____ (Current)
Temperature: 15.7°C
Power: 13.7 in. 0-3300 ohm 0.00 ohm 0.0 V
Ch: 123  DS: cc

GPS Status: GPS
Time: 2009-05-17 17:47:33
Sec since LL: 00:00:00  00:00  00:00
Phase Diff. (us): +0.0  0.000  0.000
Mode: cycled
Status: 100 kW  SVs: 11
Lat: N 43° 50.1561
Lon: W 120° 38.53382
Alt (m): 1400

CALIBRATION: Control -> Aux Ctrl -> Test 1-3:....Wait quietly for 18 min., 10:50 -> 11:08

STOP ACQUISITION: Control -> Status -> Stop Acq: Wait until disk is no longer in use, update status screen then remove and record time here: 2009-05-17 18:09:56
✓ Remove disk(s) and label with station ID, date, disk #, & final data amount (in Mb)

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

DEMOBILIZE STATION

SENSOR
- If sensor is a 37: 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 misorientation value: ______
- Remove sensor; enter sensor information: Type: STS2  Serial #: 1234
- Enter assumed declination from installation (as written on sensor pad): 15° 40' 00"
- 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 Streckheisen). Enter orientation: ______
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 #: 92FB
- Disconnect batteries; cover terminals with plastic caps or tape
- Disconnect solar panels and GPS; enter GPS serial #: 1008679

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