OR092

<station installed in October 2007>
	his is a placeholder; scanned install sheet will be added to document bundle

MDL 05/12/08
HLP Q330 SERVICE SHEET (v6) (Last revised 06/22/07 DEJ)

STATION: CH095  Month: 5  Day: 21  Year: 07  ARRIVAL TIME (local): 12:52 PM local
OPERATOR: Fowler, James  POWER: BATT-1: 13.4  BATT-2: 13.4
SENSOR MASS POSITION: > Views > Sensors "Boom Positions
1:  -5  2:  10  3:  -4

Use Center A to recenter if any CH > +/-15 for Guralp; > +/-25 for STS-2. Check here
Continue with Center A command (and update) until all channels are < +/- 15 or 25.
Enter final mass positions: 1: 2: 3: __________

> Views > Data Recording > DP3 *Station: HLG01 > DP4 *Station: OK092
[DP3 Station should match program (HLG?? for Guralp, HLS?? for Streckeisen). DP4 Station should match station name]

> Views > System: (use Refresh to Update)
Last GPS Lock: 3 min ago
Phase error: 0
Clock quality: OD Luck Freezel (H)
Input volts: 12.65
Temperature: 18°C
Last Boot: 2007-09-14 19:05:01
Last Resync: 2008-03-20 11:05:22

> Views > System: Turn GPS ON Status > GPS
Locked?... Satellites viewed:____ Satellites used:____
Time:________
Date:________
Latitude:________
Longitude:________
Elev (m):________

Calibration and Waveform Monitor

☐ > Cmds > Calibration: DURATION bar: 240 s (wrongly labeled "min" on CliC); SETTLING bar: 6 min.; TRAILER bar: 1 m
☐ > Cmds > Calibration > Waveform > STEP, AMPLITUDE bar: -24 db Guralp or -18 db STS2; STEP POLARITY: Positive
☐ > Cmds > Calibration > CALIBRATE CHANNELS: Select all 3 channels; START: 1 minute; IStart.
Sit Quietly for 12 min and note local start time here: Click Stop, then O.K. when finished.

> Views > Quickview (waveform monitor) > chan1,2,3 > Start: Write down Max Min Midpoint (click "stop" to record values)

CH 1 945 -182 241.5 CH 2 537 -45.4 168.1 CH 3 436 -444 142.3
☐ Microseisms visible? (check if yes)

☐ > Status > Data Port Txr > Data4 *Packet Buffer Increasing? (press Refresh)
☐ > Cmds > Baler > Isend command to baler (Baler should turn on, with packets being sent)
☐ > Status > Data Port Txr > Data4 *Packet Buffer (Decreases to zero)? Packets Sent: 5362026
☐ > Commands > Baler Cmds > ITurn Off Baler (wait for slow green blink = idle)
☐ > Status > Data Port Txr > Data4 *Packet Buffer Increasing?
☐ > Cmds > Baler > Isend command to baler (Baler should now be on)
☐ > Status > Data Port Txr > Data4 *Packet Buffer Decreases to zero? Packets Sent: 5362307
[Note: If the Q330 does not transfer data to the Baler try clearing the Baler "Association" by holding the Baler Attention button until the light turns solid red (~5 sec). Release the button and then, after the light begins to flash green, press the Attention button once to shut down the Baler. Repeat the process once more, ending in Baler shutdown. Press Attention button once to turn Baler on and check that data transferred.]

> Status > General >Total Resyncs: 100
> Commands > Make Docfile (A bug here means you should delete "Conf." at the start of the default filename, append the station name to end of the remaining default filename and click OK. Check that name is correct.)

DEPARTURE TIME (local): 1:10 PM local

*PLEASE NOTE GENERAL STATE OF THE STATION AND ANY SPECIAL PROBLEMS IN SPACE BELOW*
HLP Q330 SERVICE SHEET (v8) (last revised 20080716 MJF)

STATION: OR092  Month: 9  Day: 16  Year: 2008  ARRIVAL TIME (local): 15:00
OPERATOR: Cooper  Year: 2008
Q330 S/N: 856  OLD BALER S/N: 05913  NEW BALER S/N: 05216
SENSOR MASS POSITION: > Views > Sensors  > Boom Positions
   1:    2:    3:    4: 
Use Center A to recenter if any CH > +/- 15 for Guralp; > +/- 25 for STS-2. Check here.
Continue with Center A command (and update) until all channels are < +/- 15 or 25.
Enter final mass positions: 1: 2: 3: 

> Views > Data Recording > DP3 *Station: HLG01 > DP4 *Station: OR092
[DP3 Station should match program (HLG?? for Guralp, HLS?? for Streckeisen), DP4 Station should match station name]

> Views > System: (use Refresh to Update)
Last GPS Lock: 168 min ago
Phase error: 0
Clock quality: 0D (lock, frozen CH)
Input volts: 12.9
Temperature: 29°C
Last Boot: 2008-07-31 01:58:39
Last Resync: 2008-07-31 02:06:22

> Views > System: Turn GPS ON. Status > GPS
Locked? [ ]
Satellites viewed: 10  Satellites used: 9
Time: 22:06:57
Date: 16/09/2008
Latitude: 42.8600217
Longitude: 119.5551467
Elev (m): 1395.4

Calibration, Recheck of Sensor Mass Positions, and Waveform Monitor

☐ > Cmds > Calibration: DURATION bar: 6 min (if running Q330Beta V1.4.41); SETTLING bar: 6 min.; TRAILER bar: 5
☐ > Cmds > Calibration > Waveform > STEP, AMPLITUDE bar: -24 dB Guralp or -16 dB STS2; STEP POLARITY: Positive
☐ > Cmds > Calibration > CALIBRATE CHANNELS: [Select] all 3 channels; START: 1 minute; [I]Start.

Sit quietly for ~18 min and note local start time here: ________

☐ > Views > Sensors: Use Center A to recenter if any CH > +/- 15 for Guralp; > +/- 25 for STS-2. Check here.
Enter final mass positions: 1: 2: 3: 

WAVEFORM MONITOR: > Views > Quickview > channel 1, 2, 3 > Start: Enter Max Min Midpoint (click “stop” to record values)
CH 1 1112, 500 71.4  CH 2 6616, 2292, 1542  CH 3 14346, 2337, 105.3
Microseism? [ ]

☐ > Status > Data Port Txfr > Data4 *Packet Buffer: [ ] Increasing? (press Refresh)
☐ > Cmds > Baler > [I]Send command to baler (Baler should turn on, with packets being sent)
☐ > Status > Data Port Txfr > Data4 *Packet Buffer (Decreases to zero)? Packets Sent: 4135 625
☐ > Commands > BalerCmds > [I]Turn Off Baler (wait for slow green blink = idle)
☐ > Swap out Baler
☐ > Status > Data Port Txfr > Data4 *Packet Buffer: [ ] Increasing?
☐ > Cmds > Baler > [I]Send command to baler (Baler should now be on)
☐ > Status > Data Port Txfr > Data4 *Packet Buffer: [ ] Decreases to zero? Packets Sent: 4135 666

(Note: If the Q330 does not transfer data to the Baler try clearing the Baler "Association" by holding the Baler Attention button until the light turns red (~5 sec). Release the button and then, after the light begins to flash green, press the Attention button once to shut down the Baler. Repeat the process once more, ending in Baler shutdown. Press Attn button once to turn Baler on and check that data transferred.)

> Status > General *Total Resyncs: 217
> Commands > Make Docfile (A bug here means you should delete “Conf.” at the start of the default filename, append the station name to end of the remaining default filename and click OK. Check that name is correct.)

DEPARTURE TIME (local): ________

*PLEASE NOTE GENERAL STATE OF THE STATION AND ANY SPECIAL PROBLEMS IN SPACE BELOW*
station looks normal. Black widow building nest in action pachner. If spider webs in action pachner watch out.
HLP Q330 DEMOBILIZATION SHEET (v3) (last revised 20090904 MJF)

STATION: 020922  Month: 01  Day: 15  Year: 2018  ARRIVAL TIME (local): 3:30 PM
OPERATOR: 21104D BRADLEY  POWER: BATT-1: 13.03  BATT-2: 13.03
Q330 S/N: 05216  OLD BALER S/N: 05216
SENSOR MASS POSITION: > Views > Sensors *Boom Positions

1: 14  2: 11  3: 9
Use Center A to recenter if any CH > +/- 15 for Guralp; > +/- 25 for STS-2. Check here.
Continue with Center A command (and update) until all channels are < +/- 15 or 25.
Enter final mass positions: 1:  2:  3: 

> Views > Data Recording > DP3 *Station: HLG01 > DP4 *Station: 020922
[DP3 Station should match program (HLG?? for Guralp, HLS?? for Streckeisen), DP4 Station should match station name]

> Views > System: (use Refresh to Update)  > Views > System: Turn GPS ON. Status > GPS
Last GPS Lock: 19 mins ago
Phase error: 0.1008
Clock quality: 2D Lock, Kooner (4)
Input volts: 12.275
Temperature: 31C
Last Boot: 2017-07-24 15:57:19
Last Resync: 2017-07-24 15:54:23
Satellites viewed: 11  Satellites used: 10
Locked: Yes
Time: 22:14:55
Date: 2017-07-24
Longitude: -119.5553117
Elev (m): 1460.8

Calibration

> Cmds > Calibration: DURATION bar: 6 min (if running Q330Beta V1.44t); SETTLING bar: 6 min.; TRAILER bar: 5
> Cmds > Calibration > Waveform > STEP, AMPLITUDE bar: -24 db Guralp or -18 db STS2, STEP POLARITY: Positive
> Cmds > Calibration > CALIBRATE CHANNELS: Select all 3 channels; START: 1 minute; IStart.
Sit Quietly for ~18 min and note local start time here: 07/24/17

> Status > Data Port Txr > Data4 *Packet Buffer Increasing? (press Refresh)
> Cmds > Baler > ISend command to baler (Baler should turn on, with packets being sent)
> Status > Data Port Txr > Data4 *Packet Buffer (Decreases to zero)? Packets Sent: 10127521
> Commands > Baler Cmds > ITurn Off Baler (wait for slow green blink = idle)

DEMOBILIZE STATION

SENSOR

X 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 misorientation value: N/A
□ Remove sensor, enter sensor information: Type: ST  Serial #: 124872
□ Enter assumed declination from installation (as written on sensor pad): 150.40
□ 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 Streckeisen). Enter orientation: N15°E
If measured orientation does not appear to be correct, double check measurement and confirm with at least one other team member!

DATALOGGER

X Disconnect power box
X Disconnect datalogger (all cables); enter serial #: 856
□ Label bale with station name and date
□ Disconnect batteries; cover terminals with plastic caps or tape
X Disconnect solar panels and GPS; enter GPS serial #: 30N50041

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

Make nest (but no mice) - Action Pecker - lots of mice dropped, gets through.