

### Station Notes for B040, yorkmn040bcn2007

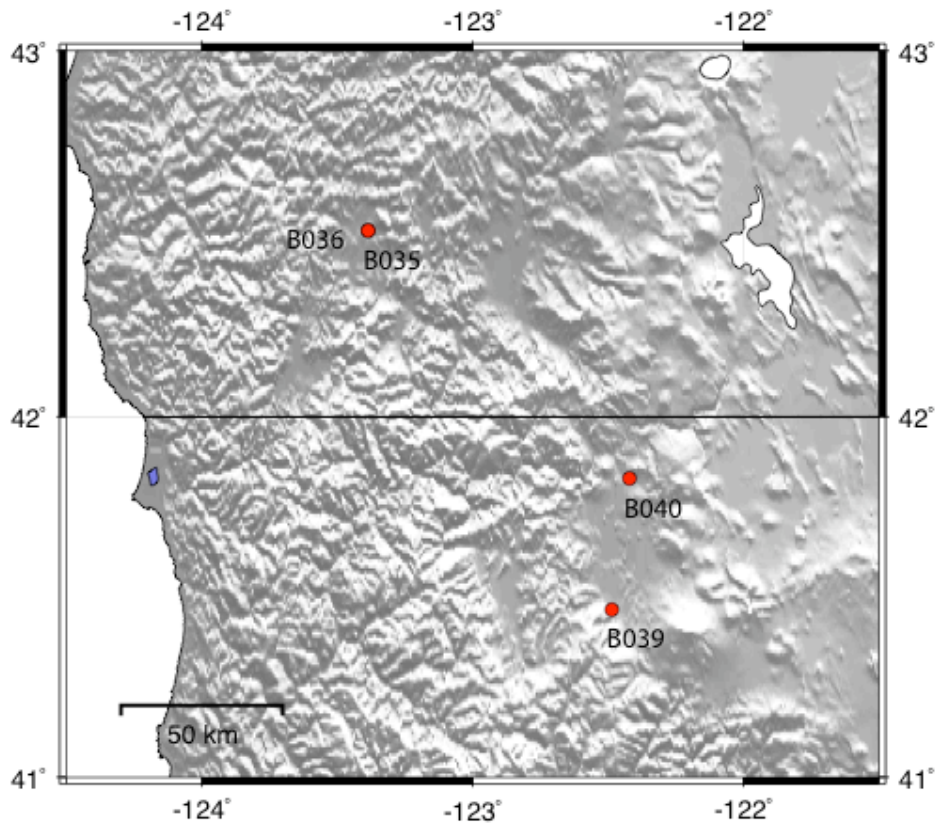
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Latitude:	41.83 (WGS 84)
Longitude:	-122.42 (WGS 84)
Elevation:	
Install Depth: <sup>1</sup>	240.18 m/ 788 ft
Orientations: <sup>2</sup>	CH0= 272.7, CH1= 212.7, CH2= 152.7, CH3= 122.7
Install Date:	2007-10-12
GTSM Technologies #:	US41
Executive Process Software:	
Logger Software:	
Home Page:	<a href="http://pbweb.unavco.org/stations/?checkkey=B040">http://pbweb.unavco.org/stations/?checkkey=B040</a>
Notes Last Updated:	October 17, 2007

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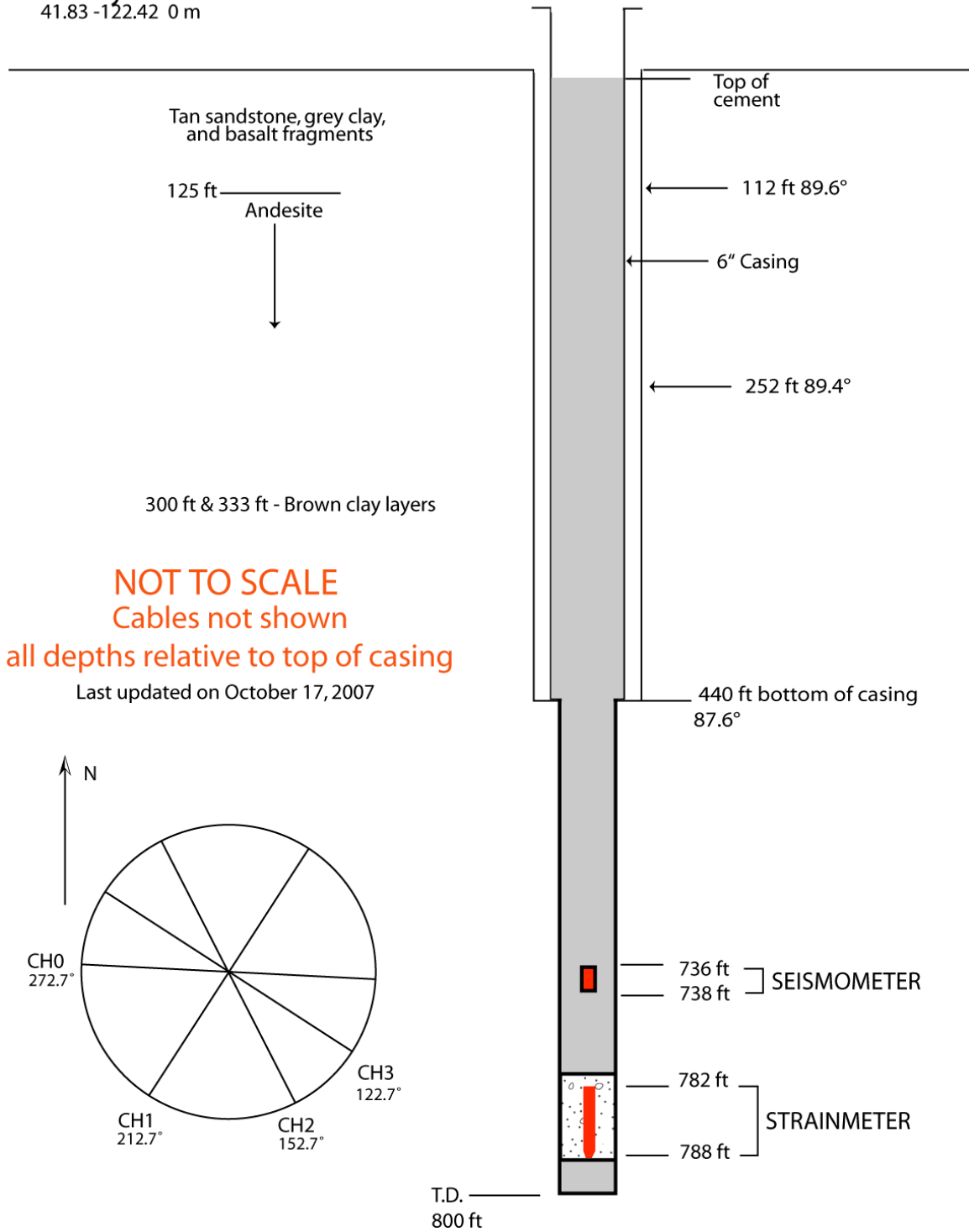
<sup>1</sup>Install depth is from the top of the casing to the bottom of the strainmeter.

<sup>2</sup>Orientations are in degrees East of North.



Northern California and southern Oregon PBO strainmeters, October 2007.

B040 yorkmn040bcn2007  
41.83 -122.42 0 m



### **Instrumentation at Strainmeter**

Instrument	Units	Bottle/ASCII Scale Factor	Seed Scale Factor
Pore Pressure	Hecto Pascals	NONE INSTALLED	-
GTSM Barometer	Kilopascals	1.0	0.0001
Rain Gauge	Millimeters/hour	1.0	0.252
Down hole Temperature Sensor	Degrees Celsius	1.0	0.0001
Logger Temperature Sensor	Degrees Celsius	1.0	0.0001
Setra Barometer	Hecto Pascals	NONE INSTALLED	-

## **1. General Information**

### **Install Notes**

2007-10-11 UTC

Arrived at York site, put B040 on test at 23:00. Raised bottom (800.5') with 3 section dump bailer of Portland cement.

2007-10-12 UTC

15:30 On site, field tutorial with Mick Gladwin on GTSM field diagnostics.

16:00 Sound hole, TD = 788'.

16:39 Add centralizers and nosecone.

Setup site so that when GTSM is installed, we can evacuate the location and MOB to B039 to give the instrument the desired 48 hours of no activity after install.

19:36 Compass test Xmin 1.669 Xmax 2.174 Ymin 1.705 Ymax 2.180.

20:20 Install meeting, discuss wellhead tie-off, resolve to try new strapping material (something closer to 6-7mm static cord) for future installs.

20:40 Start mixing.

20:44 Last grout added.

20:46 Last H<sub>2</sub>O (15.5 gal total).

20:55 Stop mixing.

21:08 Dump bailer on bottom.

21:15 Bailer out of grout.

21:40 GTSM on bottom.

21:49 GTSM started up; diagnostics check out, instrument called good!

21:44 Renamed B040.

21:53 Shut down logger to set DH temp; set to 0.85V.

23:02 Restart logger.

Finish packing up site and squaring away strainmeter to be left for several days.

During the renaming process, the logger had a US41 file open while we rebooted the board to become B040. Consequently the logger board gets caught in a loop looking for a file that no longer exists--after some discussion and assistance from Mick Gladwin the board was changed. This should result in some minor data loss.

2007-10-13 UTC

01:00 Off site.

2007-10-16 UTC

15:00 On site; get H<sub>2</sub>O

15:30 Test Seismometer #97 UNAV 22575

Ground test is not positive, put in truck to warm in upright position; discuss with

Wade, checks out.

Vert = 2.403kOhm H1 = 2.451 kOhm H2= 2.424 kOhm

17:45 Start lowering seismometer.

18:25 Lowered to 738'.

18:30 Trip in 1.5".

19:50 Tag grout; grout to 770'.

20:00 Tripped in.

20:10 Start pumping.

23:00 Finished pumping (~5 yds).

23:40 Start digging pit.

23:43 Shutdown GTSM; bury cable; pour pad; set Vsat post.

2007-10-17 UTC

01:53 Restart GTSM.

02:00 Off site.

2007-10-17 UTC

16:00 On site; GTSM is off (batteries @2.45V).

16:15 Shutdown GTSM to switch batteries; flatbed heads to Medford, OR to pickup materials.

18:52 Shutdown GTSM to move into enclosure

19:07 Turned back on; setup uphole wiring and electronics; point VSAT, have issues with Hughes (manufacturer).

22:07 Program Q330 #2595.

22:31 Program Marmot.

22:37 Assign GTSM IP 10.236.184.178.

2007-10-18 UTC

00:00 Mobbed off site; left strainmeter running on 6 batteries (2 on GTSM side @13.8V, 4 on comms/seismo @ 12.5V); all other electronics turned off.

## 2. Strainmeter Maintenance

## 3. Data Products

Data products Release dates

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Level 0 Start Date: 2007-10-12

Level 2 Start Date:

Detrend Reference Date:

Level 2B Data last Updated:

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