PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N189
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	000108°
Site and soil condition:	parker grass out of fence
Stake (color and label) or NONE	T124
Approximate distance to DAS cable	4 meters
Burial Information:	Above ground: cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119. 00.567
Realized Latitude: DD.mmmm	39. 48. 144
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** 4T1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 189
Resonant frequency:	**Vertical:** 1778 (**N-S:** 1785 **E-W:** 1781
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/09	00:44	ok

1253

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N190
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	0001063
Site and soil condition:	fine pale green
Stake (color and label) or NONE	T125
Approximate distance to DAS cable	4 **meters**
Burial Information:	**Above ground: cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	shoven
Realized Longitude: DD.mmmm	119° 00.541
Realized Latitude: DD.mmmm	39° 48.173
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UY1
Number of your handheld GPS: 28	**Your Waypoint code:** NN 190
Resonant frequency:	**Vertical:** 1770 **N-S:** 1786 (y) **E-W:** 1785 (x)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

out of fence

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/04	00:38	yes

1253 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	**N-** N191
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	~~fifth panel~~ qr.6000 1065
Site and soil condition:	time panel qr (out of time)
Stake (color and label) or NONE	T126 pink
Approximate distance to DAS cable	4 **meters**
Burial Information:	**Above ground:** 3 **cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	hammer
Realized Longitude: DD.mmmm	119 00.512
Realized Latitude: DD.mmmm	39 48.204
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code:** NN 191
Resonant frequency:	**Vertical:** 1808 (Z) **N-S:** 1780 (Y) **E-W:** 1785 (X)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/09	00:34	ok

1254

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N-N192
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	0001085
Site and soil condition:	Rock + pink ground
Stake (color and label) or NONE	T128 pink, on the
Approximate distance to DAS cable	5 **meters**
Burial Information:	**Above ground:** 2 **cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	shoven
Realized Longitude: DD.mmmm	119 00.459
Realized Latitude: DD.mmmm	39 48.262
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** HT1
Number of your handheld GPS: 26	**Your Waypoint code: NN** 192
Resonant frequency:	**Vertical:** 1808 (Z) **N-S:** 1808 (Y) **E-W:** ~~177~~ 1784 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

out of fence

towel

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/~~08~~09	00:22	✓

125m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N193
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001093
Site and soil condition:	Sand + small stones out of fence
Stake (color and label) or NONE	T129 pink
Approximate distance to DAS cable	3 meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119.00.427
Realized Latitude: DD.mmmm	39 48.296'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 193
Resonant frequency:	**Vertical:** 1770 (Z) **N-S:** 1801 (Y) **E-W:** 1779 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/09	00:16	yes

1255

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N194
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001075
Site and soil condition:	purple grey
Stake (color and label) or NONE	Yellow flag T130 + pink + behind fence
Approximate distance to DAS cable	3 meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119 00.401
Realized Latitude: DD.mmmm	39 48.322
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1778 (Z) **N-S:** 1777 (Y) **E-W:** 1772 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

out of fence

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/09	00:10	0

1257

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N195
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001054
Site and soil condition:	loose soil
Stake (color and label) or NONE	pink flg. T131
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: ~1 cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.373
Realized Latitude: DD.mmmm	39 48.352
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 195
Resonant frequency:	**Vertical:** 1812 (z) **N-S:** 1803 (y) **E-W:** 1803 (x)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

out of fence

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03109	00:01	one

1257 M

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N196
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	0001098
Site and soil condition:	loose soil
Stake (color and label) or NONE	Blue flag + fence
Approximate distance to DAS cable	5 **meters**
Burial Information:	**Above ground:** 0 **cm** **Flush with surface** **Below surface:** 4 **cm**
Digging tools used	shovel
Realized Longitude: DD.mmmm	119. 00.348
Realized Latitude: DD.mmmm	39. 48.380
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 196
Resonant frequency:	**Vertical:** 1815 (2) **N-S:** 1785 (X) **E-W:** 1777 (X)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	22:35	ok

out of fence

1258 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N197
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	000 1067
Site and soil condition:	Rock + fine pum gra
Stake (color and label) or NONE	H134 pink
Approximate distance to DAS cable	2 **meters**
Burial Information:	**Above ground: cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	hamm
Realized Longitude: DD.mmmm	119 00.294
Realized Latitude: DD.mmmm	39 48.438
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 197
Resonant frequency:	**Vertical:** 1767 (Z) **N-S:** 1740 (Y) **E-W:** 1754 (X)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/06	22:30	✓

1258 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N198
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	000503
Site and soil condition:	soft soil
Stake (color and label) or NONE	pink. T135 in fence
Approximate distance to DAS cable	10 meters
Burial Information:	Above ground: cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.270
Realized Latitude: DD.mmmm	39° 48.470
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 198
Resonant frequency:	**Vertical:** 1835 (Z) **N-S:** 1829 (Y) **E-W:** 1808 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

out of fence

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	22:57	✓

1260

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- n 199
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001421
Site and soil condition:	soil + small stones small rocks + loose soil
Stake (color and label) or NONE	blue flag behind fence
Approximate distance to DAS cable	10 meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.242
Realized Latitude: DD.mmmm	39° 48.503
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UTI
Number of your handheld GPS:	**Your Waypoint code: NN** 199
Resonant frequency:	**Vertical:** 1797 (Z) **N-S:** 1803 (Y) **E-W:** 1771 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

out of fence

over the ~~road~~ ditch

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	23:04	✓2

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- N 200
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	000 1370
Site and soil condition:	small stone + loose soil
Stake (color and label) or NONE	T137, pink below fence
Approximate distance to DAS cable	3 **meters**
Burial Information:	**Above ground:** **cm** **Flush with surface** **Below surface:** (**cm**
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.212
Realized Latitude: DD.mmmm	39° 48.525
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 200
Resonant frequency:	**Vertical:** 1789 (Z) **N-S:** 1803 (Y) **E-W:** 1778 (X)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	23:13	✓

1262 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- A201
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001440
Site and soil condition:	Rocky + loose soil
Stake (color and label) or NONE	T138 pink behind fence
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	119° 00.182'
Realized Latitude: DD.mmmm	39° 48.558
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 201
Resonant frequency:	**Vertical:** 1798 (Z) **N-S:** 1767 (Y) **E-W:** 1757 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	23:18	xx

1266 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- 202
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001055
Site and soil condition:	~~poor soil~~ park open out of fence
Stake (color and label) or NONE	T139 pink behind fence
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.158
Realized Latitude: DD.mmmm	39° 48.584
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UTI
Number of your handheld GPS:	**Your Waypoint code: NN** 202
Resonant frequency:	**Vertical:** 1772 (Z) **N-S:** 1769 (Y) **E-W:** 1781 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/28	23:24	✓

elev 1265m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: US AH

Date (UTC): 2016 March 9 Time (UTC): 17:35 (local) Day of Week: Wed

PoroTomo Sensor Number:	N- 1203
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	000536
Site and soil condition:	soil
Stake (color and label) or NONE	T140, blue flag outside fence
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.130
Realized Latitude: DD.mmmm	39° 48.614
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** ~~22~~ 203
Resonant frequency:	**Vertical:** 17 22 (Z) **N-S:** 1727 (Y) **E-W:** 1727 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
		Yes

1274

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 9 Time (UTC): 17:41 **(local) Day of Week:** Wed

PoroTomo Sensor Number:	N- N204
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001369
Site and soil condition:	fine grain Sand + Rock outcrop terrace
Stake (color and label) or NONE	T141 pink
Approximate distance to DAS cable	3 meters
Burial Information:	Above ground: 11 cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.103
Realized Latitude: DD.mmmm	39° 48.643'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 204
Resonant frequency:	**Vertical:** 1750 (Z) **N-S:** 1735 (Y) **E-W:** 1721 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
		Yes

1275 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 8 Time (UTC): 17:46 **(local) Day of Week:** Wed

PoroTomo Sensor Number:	**N-** 1205
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	0001313
Site and soil condition:	soil
Stake (color and label) or NONE	T142 pink out of fence
Approximate distance to DAS cable	2 **meters**
Burial Information:	**Above ground:** 7 **cm** **Flush with surface** **Below surface:** 4 **cm**
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.075
Realized Latitude: DD.mmmm	39° 48.673
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 205
Resonant frequency:	**Vertical:** ~~1737~~ 2 **N-S:** 1748 y **E-W:** 1743 x
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
		yes

1273m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 9 Time (UTC): 18:02 **(local) Day of Week:** Wed

PoroTomo Sensor Number:	**N-** n206
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	0001309
Site and soil condition:	Sand + small rocks at top of terrace
Stake (color and label) or NONE	T143 pink
Approximate distance to DAS cable	3 **meters**
Burial Information:	**Above ground:** 2 **cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	Shovel.
Realized Longitude: DD.mmmm	119 00.048
Realized Latitude: DD.mmmm	39 48.701
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** U7 1
Number of your handheld GPS:	**Your Waypoint code: NN** 206
Resonant frequency:	**Vertical:** 1753 (z) **N-S:** 1762 (y) **E-W:** 1751 (x)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
		Yes

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: UTAH

Date (UTC): 2016 March 9 Time (UTC): 1807 **(local) Day of Week:** Wed

PoroTomo Sensor Number:	**N-** N207
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	0001337
Site and soil condition:	TAN pink ~~sand~~ soil (out of tent)
Stake (color and label) or NONE	✓
Approximate distance to DAS cable	3 **meters**
Burial Information:	**Above ground:** 1 **cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	shovel
Realized Longitude: DD.mmmm	119. 00.015
Realized Latitude: DD.mmmm	39 48.736
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 207
Resonant frequency:	**Vertical:** 1752 (2) **N-S:** 1741 (1) **E-W:** 1744 (X)
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
		Yes

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 17:30 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- 208
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1301
Site and soil condition:	loose clay/sandy soil
Stake (color and label) or NONE	NONE, just south of gully (ridge side) (2.5m W's)
Approximate distance to DAS cable	2.5m from gully meters
Burial Information:	Above ground: 0 cm Flush with surface ~~Below surface:~~ (cm
Digging tools used	spade
Realized Longitude: DD.mmmm	119° 00.209'
Realized Latitude: DD.mmmm	39° 47.826'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 208
Resonant frequency:	**Vertical:** 1820 **N-S:** 1819y **E-W:** 1792x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/10)	UTC time (hh:mm)	2 quick blinks?
	17:30	Yes

El. 1277m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 18:15 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- n209
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1326
Site and soil condition:	Rocky, gravel & loose sandy soil
Stake (color and label) or NONE	Unlabeled stake 3.5m away
Approximate distance to DAS cable	Stake N of node meters
Burial Information:	Above ground: cm Flush with surface (Below surface:) 1 cm
Digging tools used	hammer, spade
Realized Longitude: DD.mmmm	119° 60.101'
Realized Latitude: DD.mmmm	39° 47.939'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East? Yes.	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 209
Resonant frequency:	**Vertical:** 1832 z **N-S:** 1827 y **E-W:** 1800 x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)** 18:20

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
10	18:15	yes

El. 1283m

Original on back of NN209

PoroTomoSeismographDataSheet4.docx

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: ? Transcribed by Lesley Parker (3/24)

Date (UTC): 2016 March 10 Time (UTC): 19:00 (local) Day of Week: Thursday

PoroTomo Sensor Number:	N-210
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1461
Site and soil condition:	Loose sandy, many pebble sized rocks
Stake (color and label) or NONE	yes, yellow + pink ties NN210 T9 R210
Approximate distance to DAS cable	10 meters
Burial Information:	Above ground: cm Flush with surface (Below) surface: 1 cm
Digging tools used	Spade + hammer
Realized Longitude: DD.mmmm	118° 59.998'
Realized Latitude: DD.mmmm	39° 48.062'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT1
Number of your handheld GPS: 28	Your Waypoint code: NN 210
Resonant frequency:	Vertical: 1846 N-S: 1813 E-W: 1819
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data! yes	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm)

elevation 1281m

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
2016/03/12	22:44	✓ + installed Feigl cone

2016/03/13 ~01:00 UTC Neal Lord retrieved cone after TREX passed

Original on back of N217

PoroTomoSeismographDataSheet4.docx

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: ? Transcribed 3/24 by Lesley Parker

Date (UTC): 2016 March 10 Time (UTC): 18:20 (local) Day of Week: Thursday

PoroTomo Sensor Number:	N- 211
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1314
Site and soil condition:	rocky, sandy soil
Stake (color and label) or NONE	yes, white tie R211
Approximate distance to DAS cable	3-4 east of stake meters
Burial Information:	Above ground: cm Flush with surface (Below surface: 1 cm
Digging tools used	spade, hammer
Realized Longitude: DD.mmmm	118° 59.879'
Realized Latitude: DD.mmmm	39° 48.175'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT 2
Number of your handheld GPS: 28	Your Waypoint code: NN 211
Resonant frequency:	Vertical: 1828 N-S: 1854 E-W: 1828
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data!	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm) yes

elevation 1280m

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: ? Transcribed 3/24 by Lesley Parker

Date (UTC): 2016 March ?. Time (UTC): 12:08 (local) Day of Week: ?

PoroTomo Sensor Number:	N- 212
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1301
Site and soil condition:	rocky, sandy, hard clay
Stake (color and label) or NONE	blue R212
Approximate distance to DAS cable	meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	39°.80446
Realized Latitude: DD.mmmm	118.99525
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used:
Number of your handheld GPS: Oregon #2	Your Waypoint code: NN
Resonant frequency:	Vertical: 1828 N-S: 1839 E-W: ~~1863~~ 1865
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data!	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm) ✓

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?

N-212

rocky, sandy, hard clay

R212 blue

N 39.80446

W 118.99525

1301

V: 1828

N-S 1839

W-E 1863

oregon #1

blink ✓

1218

Original with N221

PoroTomoSeismographDataSheet4.docx

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: ? Transcribed 3/24 by Lesley Parker

Date (UTC): 2016 March ? Time (UTC): ? (local) Day of Week: ?

PoroTomo Sensor Number:	N- 213
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	
Site and soil condition:	very hard clay
Stake (color and label) or NONE	blue
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 3 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.80670 elev 1292
Realized Latitude: DD.mmmm	W 118.99443
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used:
Number of your handheld GPS:	Your Waypoint code: NN
Resonant frequency:	Vertical: 1858 N-S: 1821 E-W: 1807
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data!	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm) blink

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
	11:41	

Original with N221

PoroTomoSeismographDataSheet4.docx

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: ? Transcribed by Lesley Parker 3/24

Date (UTC): 2016 March ? Time (UTC): ? (local) Day of Week: ?

PoroTomo Sensor Number:	N- 214
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	~~1303~~ 1367
Site and soil condition:	sand
Stake (color and label) or NONE	blue
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.90822
Realized Latitude: DD.mmmm	W 118.99313
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used:
Number of your handheld GPS: Oregon #2	Your Waypoint code: NN
Resonant frequency:	Vertical: 1871 N-S: 1835 E-W: 1831
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data!	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm) blink

elev: 1302 m

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
	11:01	

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 17:10 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- n215
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1452
Site and soil condition:	Rocky, sandy soil
Stake (color and label) or NONE	
Approximate distance to DAS cable	Stake R215, 1m away meters
Burial Information:	**Above ground:** cm **Flush with surface** **Below surface:** 1 cm
Digging tools used	Spade & hammer
Realized Longitude: DD.mmmm	119° 00.302'
Realized Latitude: DD.mmmm	39° 47.873'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 215
Resonant frequency:	**Vertical:** 1509 **N-S:** 1797y **E-W:** 1792x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
10	17:10	Yes

GL. 1282 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 17:55 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- 216
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	1331
Site and soil condition:	Loose sandy soil, clay, some rocky soil
Stake (color and label) or NONE	Stake, R216 1m away
Approximate distance to DAS cable	Stake 1m NE of node meters
Burial Information:	**Above ground:** cm **Flush with surface** **Below surface:** 1 cm
Digging tools used	Spade
Realized Longitude: DD.mmmm	119° 00.224'
Realized Latitude: DD.mmmm	39° 47.960'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT 1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 216
Resonant frequency:	**Vertical:** 1831z **N-S:** 1797y **E-W:** 1828x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/10	UTC time (hh:mm)	2 quick blinks?
	17:55	Yes

El. 1301m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 18:35 **(local) Day of Week:** Thurs.

PoroTomo Sensor Number:	N- n217
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1521
Site and soil condition:	Loose sandy soil, some rocks
Stake (color and label) or NONE	R217
Approximate distance to DAS cable	stake 2m southof node meters
Burial Information:	Above ground: cm Flush with surface (Below surface:) 1 cm
Digging tools used	Spade, hammer
Realized Longitude: DD.mmmm	119° 00.112'
Realized Latitude: DD.mmmm	39° 48.078'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT 1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 217
Resonant frequency:	**Vertical:** 1814 **N-S:** 1804 y **E-W:** 1823 x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	18:35	Yes

Elev. 1283m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 19:15 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- n218
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1363
Site and soil condition:	packed sandy soil; many stones
Stake (color and label) or NONE	Yes, pink tie N218 T36 R218
Approximate distance to DAS cable	stake 1m-2m west of node meters
Burial Information:	**Above ground:** cm **Flush with surface** **Below surface:** 1 cm
Digging tools used	Spade, hammer
Realized Longitude: DD.mmmm	119° 00.007'
Realized Latitude: DD.mmmm	39° 48.190'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT 1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 218
Resonant frequency:	**Vertical:** 1825 z **N-S:** 1822y **E-W:** 1829x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
10	19:15	YES

Elev 1278m

2016/03/13 00:20 Fergl visits near T36
removed soil
saw double blink
emplaced cone
saw double blink
2016/03/13 01:00 Neal [illegible] removes cone

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, X

Date (UTC): 2016 March 10 Time (UTC): 9:44 **(local) Day of Week:**

PoroTomo Sensor Number:	N- N219
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1428
Site and soil condition:	sand
Stake (color and label) or NONE	blue
Approximate distance to DAS cable	meters
Burial Information:	**Above ground:** 2 cm **Flush with surface** **Below surface:** cm
Digging tools used	
Realized Longitude: DD.mmmm	39.80177
Realized Latitude: DD.mmmm	118.99818
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** oregon #12
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1831 **N-S:** 1795 **E-W:** 1822
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/10)	UTC time (hh:mm)	2 quick blinks?
	9:53	✓
2016/03/13	00:33	yes, Feg I visits installs cone Neal Lord removes cone
2016/03/13	N 1:00	

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, K

Date (UTC): 2016 March 10 **Time (UTC):** 10:10 **(local) Day of Week:**

PoroTomo Sensor Number:	N- N220
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1432
Site and soil condition:	sand
Stake (color and label) or NONE	N220
Approximate distance to DAS cable	meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.80711
Realized Latitude: DD.mmmm	W 118.99641
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** oregon #2
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 801 **N-S:** 812 **E-W:** 822
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

1296

UTC date (2016/03/10)	UTC time (hh:mm)	2 quick blinks?
	10:16	✓
2016/03/13	00:44	Fergi visits, yes saw DB emplaced Nathi core heal Lord retrieves core after TREX passes

~01:00

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: ? Transcribed 3/24 by Lesley Parker

Date (UTC): 2016 March ? Time (UTC): ? (local) Day of Week: ?

PoroTomo Sensor Number:	N-221
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	1437
Site and soil condition:	very hard clay
Stake (color and label) or NONE	blue R221
Approximate distance to DAS cable	meters
Burial Information:	(Above) ground: 1 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.80905
Realized Latitude: DD.mmmm	W 118:99462
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used:
Number of your handheld GPS: oregon #2	Your Waypoint code: NN
Resonant frequency:	Vertical: 1814 N-S: 1816 E-W: 1813
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data!	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm) ✓

el: 1304 m

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
	10:45	

N221

N-~~221~~ R221

blue very ~~rocky~~ hard clay

1437 es

N 39.80905 el:1304

W 118:99402

oregon #2

1814

1816

1813

10:07 blink

above:1

N-214 blue

sand

N 39.80822

W 118.99313

1302

oregon #2

1367

V:1871

N-S 1835

E-W 1831

11:07 blink

above:2

NN-213

~~sand~~ very hard clay

blue

N 39.80670

W 118.99443

1292

V-1858 above ground: 3

N-S 1821

E-W 1807

oregon #2 blink

11:41

N221 near T48

2016/03/13 00:52

Feigl visits, found bare emplaced core

saw Double Blink

00:56 departed site

2016/03/13 03:05 removed core

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, Y

Date (UTC): 2016 March 10 **Time (UTC):** 1730 **(local) Day of Week:**

PoroTomo Sensor Number:	N- N222
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1091
Site and soil condition:	very sandy
Stake (color and label) or NONE	P222
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.8016 4
Realized Latitude: DD.mmmm	W 119.0120 7
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** oregon #2
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1854 **N-S:** 1830 **E-W:** 1820
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

1269

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	2:00	✓

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, X

Date (UTC): 2016 March 10 Time (UTC): 13:45 (local) Day of Week:

PoroTomo Sensor Number:	N- N223
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1074
Site and soil condition:	very sandy
Stake (color and label) or NONE	R223
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.80362
Realized Latitude: DD.mmmm	W 119.01122
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: Oregon #1
Number of your handheld GPS:	Your Waypoint code: NN
Resonant frequency:	Vertical: 187 N-S: 183 E-W: 183
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) 2 quick blinks every 5 seconds = acquiring data!	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm)

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	04:00	✓

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, X

Date (UTC): 2016 March 10 **Time (UTC):** 13:17 **(local) Day of Week:**

PoroTomo Sensor Number:	N- N124
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1052
Site and soil condition:	very sandy
Stake (color and label) or NONE	R124
Approximate distance to DAS cable	0 meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.80559
Realized Latitude: DD.mmmm	W 119.0084
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** oregon #2
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1833 **N-S:** 1841 **E-W:** 1838
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

1262

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	2:45	✓

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, X

Date (UTC): 2016 March 10 **Time (UTC):** 1604 **(local) Day of Week:**

PoroTomo Sensor Number:	**N-** N225
Sensor Owner:	**(Utah)** Oregon UTEP
Sensor Serial Number:	1493
Site and soil condition:	very sandy
Stake (color and label) or NONE	red.
Approximate distance to DAS cable	meters
Burial Information:	**Above ground:** 0 cm **Flush with surface** **Below surface:** cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.807511
Realized Latitude: DD.mmmm	W 119.00664
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** oregon #2
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1864 **N-S:** 1845 **E-W:** 1842
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

1257

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	2:43	✓

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 22:20 **(local) Day of Week:** Thurs.

PoroTomo Sensor Number:	N- ~226
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1407
Site and soil condition:	Packed sandy soil
Stake (color and label) or NONE	yes, pink stake opposite side of road T161B
Approximate distance to DAS cable	2m from fence, 15m from stake meters
Burial Information:	Above ground: cm Flush with surface (Below surface:) 1 cm
Digging tools used	Spade
Realized Longitude: DD.mmmm	119° 60.287'
Realized Latitude: DD.mmmm	39° 48.567'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 226
Resonant frequency:	**Vertical:** 1841 z **N-S:** 1863 y **E-W:** 1854 (x)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
10	22:20	yes

EQ 1264m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: MF

Date (UTC): 2016 March 10 **Time (UTC):** 19:22 **(local) Day of Week:**

PoroTomo Sensor Number:	N- 1227
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	~~[illegible]~~ 1555
Site and soil condition:	very Sandy
Stake (color and label) or NONE	
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 0 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	N 39.81140
Realized Latitude: DD.mmmm	W 119.00298
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** Oregon #2
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1857 **N-S:** 1841 **E-W:** 1826
The red LED shows the status: **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	2:40	✓

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: M, K

Date (UTC): 2016 March 10 Time (UTC): **(local) Day of Week:**

PoroTomo Sensor Number:	N- N228
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1562
Site and soil condition:	very sandy
Stake (color and label) or NONE	R228
Approximate distance to DAS cable	meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	39.8129
Realized Latitude: DD.mmmm	W 119.0016
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** OREStar-FK2
Number of your handheld GPS:	**Your Waypoint code: NN**
Resonant frequency: Can't run HHT tests due to old versions of node firmware. Ian @	**Vertical:** – **N-S:** – **E-W:** –
The red LED shows the status: Fairfield confirmed **(1 blink, every 5 seconds = standby mode)** **(Fast blinking, every second = getting time from GPS)** **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
2016/03/10	15:45	✓

*** Node has old versions of firmware.

Crash when try to run tests.

(6)

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Lord & Cliff Thurber

Date (UTC): 2016 March 07 **Time (UTC):** 00:09 **Day of Week** Sunday

PoroTomo Sensor Number:	N- 229
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	1559
Site Condition:	thin crust then sandy
Stake (color and label) or NONE	Yellow flag
Approximate distance to ~~DAS cable~~	Road 36 ft ~~meters~~
Burial Information:	**Above ground:** cm **Flush with surface** ✓ **Below surface:** cm
Digging tools used	hand trowel
Realized Longitude: DD.mmmm	39.30214
Realized Latitude: DD.mmmm	-119.01299
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Yes
HHT used	UT 1
Number of your handheld GPS	29
Your Waypoint code: NN	NN229
Resonant frequency:	**Vertical** 5.02 **N-S** 5.03 **E-W** 5.02

Elev 1248 m

UTC date (2016/03/ 07)	UTC time (hh:mm) 00:11	Notes

Note flush with surface mean ~~thin~~ thin cover of soil (millimeters)

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Lord & Cliff Thurber

Date (UTC): 2016 March 06 **Time (UTC):** 23:53 **Day of Week** Sunday

PoroTomo Sensor Number:	N- 230
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1580
Site Condition:	slightly rocky soil
Stake (color and label) or NONE	pink + yellow
Approximate distance to ~~DAS cable~~	road 21 feet meters
Burial Information:	**Above ground:** cm **Flush with surface** ✓ **Below surface:** cm
Digging tools used	hand trowel
Realized Longitude: DD.mmmm	39.80375
Realized Latitude: DD.mmmm	-119.01180
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Yes
HHT used	UT 1
Number of your handheld GPS	29
Your Waypoint code: NN	NN 230
Resonant frequency:	**Vertical** 5.08 **N-S** 5.08 **E-W** 5.08

Elev 1250 ft

UTC date (2016/03/ 06)	UTC time (hh:mm)	Notes
across small gully		

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Lord & Cliff Thurber

Date (UTC): 2016 March 6 **Time (UTC):** 23:38 **Day of Week** Sunday

PoroTomo Sensor Number:	N- 237
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	1564
Site Condition:	Nice soil, small rocks
Stake (color and label) or NONE	Pink
~~**Approximate distance to DAS cable**~~	Across several small gullies **meters** 30 ft from road
Burial Information:	**Above ground: cm** **Flush with surface** ✓ **Below surface: cm**
Digging tools used	Hand trowel
Realized Longitude: DD.mmmm	39.80576
Realized Latitude: DD.mmmm	-119.01022
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Yes
HHT used	UT 1
Number of your handheld GPS	29
Your Waypoint code: NN	NN 237
Resonant frequency:	**Vertical** 5.06 **N-S** 5.06 **E-W** 5.07

Elev 1253 m

UTC date (2016/03/06)	UTC time (hh:mm) 23:46	Notes Nice!

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Carl + Cliff Thurber

Date (UTC): 2016 March 06 **Time (UTC):** 23:40 **Day of Week** Sunday

PoroTomo Sensor Number:	**N-** 233
Sensor Owner:	**Utah** (circled) **Oregon** **UTEP**
Sensor Serial Number:	1574
Site Condition:	Nice soil! Some rocks
Stake (color and label) or NONE	Yellow + orange flags
Approximate distance to DAS cable	**meters**
Burial Information:	**Above ground:** **cm** **Flush with surface** ✓ **Below surface:** **cm**
Digging tools used	hand trowel
Realized Longitude: DD.mmmm	39.80793
Realized Latitude: DD.mmmm	-119.00862
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Yes
HHT used	UT 1
Number of your handheld GPS	29
Your Waypoint code: NN	NN233
Resonant frequency:	**Vertical** 5.04 **N-S** 5.04 **E-W** 5.03

Elev 1254 m

Level!

UTC date (2016/03/ 06)	UTC time (hh:mm) 23:24	Notes Nice!
Across gully		

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- 233
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001070 stone + parkinson
Site and soil condition:	out of fence
Stake (color and label) or NONE	T127 pink
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: 1 cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119 00.484
Realized Latitude: DD.mmmm	39 48.231
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 233
Resonant frequency:	**Vertical:** 1813 ③ **N-S:** 1819 ② **E-W:** 1793 ①
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/09	0:27	

1254 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Lord and Cliff Thurber

Date (UTC): 2016 March 06 **Time (UTC):** 22:58 **Day of Week** Sunday

PoroTomo Sensor Number:	**N-** ~~[illegible]~~ 234
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1551
Site Condition:	slightly rocky soil
Stake (color and label) or NONE	yellow flag
~~**Approximate distance to DAS cable**~~	across gully by road meters
Burial Information:	**Above ground:** cm **Flush with surface** ✓ **Below surface:** cm
Digging tools used	hand trowel
Realized Longitude: DD.mmmm	39.81007
Realized Latitude: DD.mmmm	-119.00697
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	yes
HHT used	UT1
Number of your handheld GPS	29
Your Waypoint code: NN	NN234
Resonant frequency:	**Vertical** 5.02 **N-S** 5.02 **E-W** 5.03

UTC date (2016/03/ 06)	UTC time (hh:mm) 23:02	Notes

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Lord and Cliff Thurber

Date (UTC): 2016 March 6 **Time (UTC):** 22:40 **Day of Week** Sunday

PoroTomo Sensor Number:	N- 0235
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1552
Site Condition:	Very loose soil over rocky clayey soil
Stake (color and label) or NONE	yellow flag
~~**Approximate distance to DAS cable**~~	6 feet from road **meters**
Burial Information:	**Above ground:** **cm** **Flush with surface** ✓ **Below surface:** **cm**
Digging tools used	hand trowel
Realized Longitude: DD.mmmm	39.81215
Realized Latitude: DD.mmmm	-119.00544
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Yes
HHT used	UT 1
Number of your handheld GPS	29
Your Waypoint code: NN	NN235
Resonant frequency:	**Vertical** 5.09 **N-S** 5.09 **E-W** 5.10

Elev. 1254

UTC date (2016/03/ 06)	UTC time (hh:mm) 22:42	Notes
Just off road		

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Neal Lord and Cliff Thurber

Date (UTC): 2016 March **Time (UTC):** 22:00 **Day of Week** Sunday

PoroTomo Sensor Number:	N- 236
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1575
Site Condition:	crusty top ¼", loose alluvium, clayey below
Stake (color and label) or NONE	blown away
~~**Approximate distance to DAS cable**~~	~~meters~~
Burial Information:	**Above ground:** cm **Flush with surface** ✓ **Below surface:** cm
Digging tools used	hand trowel
Realized Longitude: DD.mmmm	39.81417 (N)
Realized Latitude: DD.mmmm	-119.00385
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Yes
HHT used	UT1
Number of your handheld GPS	#29
Your Waypoint code: NN	NN236
Resonant frequency:	**Vertical** 5.05 ch 1 **N-S** 5.05 2 **E-W** 5.06 3

UTC date (2016/03/ 06)	UTC time (hh:mm) 22:22	Notes Looks good
Between rocks on		
opposite side of large		
bush from road		

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N-123 7
Sensor Owner:	**Utah Oregon UTEP**
Sensor Serial Number:	000135 1
Site and soil condition:	soft soil
Stake (color and label) or NONE	blue flag fence
Approximate distance to DAS cable	2 **meters**
Burial Information:	**Above ground: cm** **Flush with surface** **Below surface:** 1 **cm**
Digging tools used	shovel
Realized Longitude: DD.mmmm	119 00.316
Realized Latitude: DD.mmmm	39 48.414
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS:	**Your Waypoint code: NN** 237
Resonant frequency:	**Vertical:** 1794 (Z) **N-S:** 1831 (Y) **E-W:** 1792 (X)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
	22:40	~~2~~

1258

out of fence

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 21:55 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- N238
Sensor Owner:	(Utah) Oregon UTEP
Sensor Serial Number:	1096
Site and soil condition:	Sandy loose soil
Stake (color and label) or NONE	None
Approximate distance to DAS cable	20 m from Warning Hot Springs ~~meters~~ sign (node 20 m E) 20 m S of node
Burial Information:	Above ground: cm Flush with surface (Below surface:) 1 cm
Digging tools used	Spade
Realized Longitude: DD.mmmm	119° 00.490'
Realized Latitude: DD.mmmm	39° 47.983'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT-1
Number of your handheld GPS: 28	**Your Waypoint code: NN** 238
Resonant frequency:	**Vertical:** 1856 z **N-S:** 1833 y **E-W:** 1854 x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
10	21:55	Yes

El. 1259 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 **Time (UTC):** 21:40 **(local) Day of Week:** Thurs

PoroTomo Sensor Number:	N- n239
Sensor Owner:	**Utah** Oregon UTEP
Sensor Serial Number:	1073
Site and soil condition:	Loose sandy soil
Stake (color and label) or NONE	Yes T74, U pink tie
Approximate distance to DAS cable	10m to road, 9 to stake meters (stake NE of node)
Burial Information:	**Above ground:** cm **Flush with surface** **Below surface:** 1 cm
Digging tools used	Spade
Realized Longitude: DD.mmmm	119° 00.465'
Realized Latitude: DD.mmmm	39° 48.006'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	**HHT used:** UT1
Number of your handheld GPS: 28	**Your Waypoint code: NN**
Resonant frequency:	**Vertical:** 1870 z **N-S:** 1846 y **E-W:** 1842 x
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	**Wait to see two quick blinks!** **Time when you see 2 quick blinks:** **UTC: (hh:mm)**

UTC date (2016/03/ 10)	UTC time (hh:mm)	2 quick blinks?
	21:40	Yes

El. 1261m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC): (local) Day of Week:

PoroTomo Sensor Number:	N- ~~N405~~ 240
Sensor Owner:	~~Utah~~ Oregon UTEP
Sensor Serial Number:	000053
Site and soil condition:	parks grass
Stake (color and label) or NONE	Stake Blue DPO#2
Approximate distance to DAS cable	8 meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.443
Realized Latitude: DD.mmmm	39 48.173
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT1
Number of your handheld GPS:	Your Waypoint code: NN 1
Resonant frequency:	Vertical: 1800 (z) N-S: 1903 (y) E-W: 1774 (x)
The red LED shows the status: (1 blink, every 5 seconds = standby mode) (Fast blinking, every second = getting time from GPS) **2 quick blinks every 5 seconds = acquiring data!**	Wait to see two quick blinks! Time when you see 2 quick blinks: UTC: (hh:mm) ~~19~~ 19:43

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03	19:34	

1254 m