

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March *10* Time (UTC): *01:50* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n130</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1097</i>
Site and soil condition:	<i>Loose soil</i>
Stake (color and label) or NONE	<i>N130 blue tie</i>
Approximate distance to DAS cable	<i>3m DAS, 2m</i> meters
Burial Information:	Above ground: cm
	<u>Flush with surface</u>
	Below surface: cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>118° 48.675'</i>
Realized Latitude: DD.mmmm	<i>39° 48.675'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East? <i>Sure.</i>	HHT used: <i>UT1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: NN <i>130</i>
Resonant frequency:	Vertical: <i>1809</i> N-S: <i>1839</i> E-W: <i>1824x</i>
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)

WRONG COORDINATES D.F

UTC date (2016/03/)	UTC time (hh:mm)	2 quick blinks?
<i>10</i>	<i>01:50</i>	<i>Yes</i>

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC):

(local) Day of Week:

PoroTomo Sensor Number:	N-0131
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001079
Site and soil condition:	padding fine gravel
Stake (color and label) or NONE	a stake W.O.H
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119.00.561'
Realized Latitude: DD.mmmm	39.48.012'
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT/
Number of your handheld GPS: 28	Your Waypoint code: NN
Resonant frequency:	Vertical: 1765 (2) N-S: 1760 (4) E-W: 1755 (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?
05/08	18:10	2

elev 1248 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N- N132
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	1445
Site and soil condition:	fine-grained sandy soil
Stake (color and label) or NONE	YES. pinkie, orange flag
Approximate distance to DAS cable	4m to stake meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: cm
Digging tools used	39-80074 spade
Realized Longitude: DD.mmmm	119.00887
Realized Latitude: DD.mmmm	↘
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East? Duh.	HHT used: UT1
Number of your handheld GPS: Dante's	Your Waypoint code: NN 132
Resonant frequency:	Vertical: 1771 N-S: X 1771 1773 E-W: Y 1794
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 (2016/03/07)	UTC time (hh:mm)	2 quick blinks?
	2pm local time	
	(22:06 GMT)	22:2

Elev 4108 ft

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N-1133
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	1444
Site and soil condition:	rocky. it is hailing.
Stake (color and label) or NONE	Stake, no label, pink tie
Approximate distance to DAS cable	3 m from stake meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	Spade & wooden mallet
Realized Longitude: DD.mmmm	119.00645
Realized Latitude: DD.mmmm	39.80123
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UTP
Number of your handheld GPS:	Your Waypoint code: NN 133
Resonant frequency:	Vertical: 1793 N-S: x 1762 E-W: y 1755
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) 19:55

UTC date (2016/03/07)	UTC time (hh:mm)	2 quick blinks?
	19:52	yes

Elevation: 4119ft

N27-33
N52-56

Porotomo Project March 2016 Nodal Data Sheet

Installer Names:

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

Porotomo Sensor Number:	N- N134
Sensor Owner:	Utah <u>Utah</u> Oregon UTEP
Sensor Serial Number:	1457 1457
Site and soil condition:	Clay
Stake (color and label) or NONE	Stake w/ pink tie, orange flag
Approximate distance to DAS cable stake	2 m meters
Burial Information:	<u>Above ground:</u> 2 cm Flush with surface Below surface: cm
Digging tools used	Spade
Realized Longitude: DD.mmmm	119.008100°
Realized Latitude: DD.mmmm	39.80173°
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: <i>Dante's</i>	Your Waypoint code: NN 134
Resonant frequency:	Vertical: N-S: E-W: <i>Looked normal, missed recording</i>
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 (2016/03/07)	UTC time (hh:mm)	2 quick blinks?
2016/03/07	19:10	Yes

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

Porotomo Sensor Number:	N- 1135
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	00d483
Site and soil condition:	pink gravel
Stake (color and label) or NONE	Stake Yellow
Approximate distance to DAS cable	8 meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119.00343
Realized Latitude: DD.mmmm	39.48242
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: WT1
Number of your handheld GPS: 28	Your Waypoint code: NN 135
Resonant frequency:	Vertical: 1805 (2) N-S: 1800 (1/) 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	20:41	Y

elev 1270

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March *10* Time (UTC): *01:10* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n136</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1064</i>
Site and soil condition:	<i>Loose sandy soil</i>
Stake (color and label) or NONE	<i>Stake, no label 1m away</i>
Approximate distance to DAS cable ^{3m}	<i>Blue flag 1m away</i> meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	<i>Spade</i>
Realized Longitude: DD.mmmm	<i>119° 00.308'</i>
Realized Latitude: DD.mmmm	<i>39° 48.291'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT1</i>
Number of your handheld GPS:	Your Waypoint code: NN <i>136</i>
Resonant frequency:	Vertical: <i>1821 z</i> N-S: <i>1818 y</i> E-W: <i>1793 x</i>
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/ <i>10</i>)	UTC time (hh:mm)	2 quick blinks?
	<i>01:10</i>	<i>[initials]</i>

Q. 1261m

Porotomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March ¹⁰ Time (UTC): 01:00 (local) Day of Week: *Wed*

Porotomo Sensor Number:	N- <i>n 137</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1061</i>
Site and soil condition:	<i>Loose sandy soil/day</i>
Stake (color and label) or NONE	<i>Yes, T107 yellow flag, pink, white</i>
Approximate distance to DAS cable	<i>3m E of stake</i> meters
Burial Information:	<u>Above ground:</u> <i>3</i> cm Flush with surface Below surface: cm
Digging tools used	<i>Spade, hammer</i>
Realized Longitude: DD.mmmm	<i>119° 00.294'</i>
Realized Latitude: DD.mmmm	<i>39° 48.305'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT 1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: NN <i>137</i>
Resonant frequency:	Vertical: <i>1825</i> N-S: <i>1780y</i> E-W: <i>1799x</i>
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?
<i>10</i>	<i>01:00</i>	<i>Yes</i>

gl. 1260m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: Utah

Date (UTC): 2016 March 10 Time (UTC): 00:50 (local) Day of Week: Wed

PoroTomo Sensor Number:	N- <u>n138</u>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<u>1060</u>
Site and soil condition:	<u>hard packed soil w/ pebbles</u>
Stake (color and label) or NONE	<u>yes blue tie (N138)</u>
Approximate distance to DAS cable	<u>15m from stake (NE)</u> meters
Burial Information:	<u>Above ground:</u> 5 cm Flush with surface Below surface: cm
Digging tools used	<u>Spade BLM</u>
Realized Longitude: DD.mmmm	<u>119° 00.267'</u>
Realized Latitude: DD.mmmm	<u>39° 48.325'</u>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <u>UTI</u>
Number of your handheld GPS: <u>28</u>	Your Waypoint code: NN <u>138</u>
Resonant frequency:	Vertical: <u>1813</u> N-S: <u>1810g</u> E-W: <u>1786x</u>
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?
	<u>00:50</u>	<u>Yes</u>

gl. 1262m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March ¹⁰ Time (UTC): *00:28* (local) Day of Week: *Wed.*

PoroTomo Sensor Number:	N- <i>n139</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1076</i>
Site and soil condition:	<i>Sandy fine-grained packed soil</i>
Stake (color and label) or NONE	<i>Stake, blue/white/pink tie</i>
Approximate distance to DAS cable	<i>T116 N139</i> <i>3 meters</i> <i>from stake</i>
Burial Information:	<u>Above ground:</u> <i>2</i> cm Flush with surface Below surface: cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.212'</i>
Realized Latitude: DD.mmmm	<i>39° 48.394'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT 1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: NN <i>139</i>
Resonant frequency:	Vertical: <i>1778</i> N-S: <i>1780y</i> E-W: <i>1787x</i>
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/ <i>10</i>)	UTC time (hh:mm)	2 quick blinks?
	<i>00:28</i>	<i>yes</i>

El. 1271m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March 10 Time (UTC): 00:20 (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n140</i>
Sensor Owner: <i>[Signature]</i>	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1069</i>
Site and soil condition:	<i>hard packed sandy soil</i>
Stake (color and label) or NONE	<i>N140 stake w/ blue tie 4m away</i>
Approximate distance to DAS cable	<i>Blue flag placed 1m away</i> meters
Burial Information:	<u>Above ground:</u> <i>3</i> cm Flush with surface Below surface: cm
Digging tools used	<i>Spade, hammer</i> dug by <i>KURT & DJM</i> <i>KF</i>
Realized Longitude: DD.mmmm	<i>119° 00.192'</i>
Realized Latitude: DD.mmmm	<i>39° 48.422'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT 1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: <i>NN 140</i>
Resonant frequency:	Vertical: <i>1781</i> N-S: <i>1779y</i> E-W: <i>1779x</i>
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?
<i>10</i>	<i>00:20</i>	<i>yes</i>

2. 1270m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Wes*

Date (UTC): 2016 March Time (UTC): 23:10 (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N-141
Sensor Owner: <i>Kaust</i>	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	1585
Site and soil condition:	<i>rocky soil</i>
Stake (color and label) or NONE	<i>N41 blue tie</i>
Approximate distance to DAS cable	<i>8 m from DAS, 7 m from stake</i> meters
Burial Information:	Above ground: cm <u>Flush with surface</u> Below surface: <i>2</i> cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.157'</i>
Realized Latitude: DD.mmmm	<i>39° 48.459'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT1</i>
Number of your handheld GPS:	Your Waypoint code: <i>NN 141</i>
Resonant frequency:	Vertical: <i>1803</i> N-S: <i>1800</i> E-W: <i>1800x</i>
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 (2016/03/09)	UTC time (hh:mm)	2 quick blinks?
	<i>23:10</i>	<i>Yes</i>

2. 1265 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Went*

Date (UTC): 2016 March 9 Time (UTC): *23:05* (local) Day of Week: *Wed.*

PoroTomo Sensor Number:	N- <i>142</i>
Sensor Owner: <i>Kaust</i>	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1579</i>
Site and soil condition:	<i>hard packed sandy soil</i>
Stake (color and label) or NONE	<i>Stake w/ blue & pink tie</i>
Approximate distance to DAS cable	<i>3m from stake</i> meters
Burial Information:	<u>Above ground:</u> 1 cm Flush with surface Below surface: cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.133'</i>
Realized Latitude: DD.mmmm	<i>39° 48.2488'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT1</i>
Number of your handheld GPS:	Your Waypoint code: <i>NN 142</i>
Resonant frequency:	Vertical: <i>180</i> N-S: <i>1766y</i> E-W: <i>1791x</i>
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/ <i>09</i>)	UTC time (hh:mm)	2 quick blinks?
	<i>23:05</i>	<i>Yes</i>

gl. 1267m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March Time (UTC): *23:20* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n143</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1088</i>
Site and soil condition:	<i>Loose sandy soil</i>
Stake (color and label) or NONE	<i>Blue tie stake N143</i>
Approximate distance to DAS cable	<i>6m to DAS 5m to stake</i> meters
Burial Information:	Above ground: _____ cm Flush with surface _____ cm <u>Below surface:</u> <i>2</i> cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.114'</i>
Realized Latitude: DD.mmmm	<i>39° 48.501'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT1</i>
Number of your handheld GPS:	Your Waypoint code: <i>NN 143</i>
Resonant frequency:	Vertical: <i>1778</i> N-S: <i>1818y</i> E-W: <i>1791x</i>
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/ <i>04</i>)	UTC time (hh:mm)	2 quick blinks?
	<i>23:20</i>	<i>Yes</i>

El. 1267m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*
09

Date (UTC): 2016 March Time (UTC): *19:45* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n/44</i>
Sensor Owner:	<i>Utah</i> Oregon UTEP
Sensor Serial Number:	<i>1317</i>
Site and soil condition:	<i>sandy soil</i>
Stake (color and label) or NONE	<i>Yes, blue & pink ties ³ m away</i>
Approximate distance to DAS cable	<i>4m from stake, 1m from ^{blue flag} meters</i>
Burial Information:	Above ground: Flush with surface <u>Below surface:</u> <i>2 cm</i>
Digging tools used	<i>Dug by Kent ? BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.079'</i>
Realized Latitude: DD.mmmm	<i>39° 48.548'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UTI</i>
Number of your handheld GPS:	Your Waypoint code: <i>NN 144</i>
Resonant frequency:	Vertical: <i>1785 z</i> N-S: <i>1746z</i> E-W: <i>1747x</i>
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)

2144
N144

UTC date (2016/03/09)	UTC time (hh:mm) <i>19:45</i>	2 quick blinks?
		<i>Yes</i>

alt 1272 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*
09

Date (UTC): 2016 March Time (UTC): 19:35 (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n 145</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1535</i>
Site and soil condition:	<i>sandy soil</i>
Stake (color and label) or NONE (<i>n/45</i>)	<i>Yes, yellow flag? blue tie</i>
Approximate distance to DAS cable	<i>5m from stake</i> meters
Burial Information:	Above ground: cm Flush with surface <u>Below surface:</u> <i>5</i> cm
Digging tools used	<i>Dug by Kurt ≈ BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.048'</i>
Realized Latitude: DD.mmmm	<i>39° 48.568'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UTI</i>
Number of your handheld GPS:	Your Waypoint code: <i>NN 145</i>
Resonant frequency:	Vertical: <i>1760 z</i> N-S: <i>1733 y</i> E-W: <i>1739 x</i>
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 (2016/03/09)	UTC time (hh:mm)	2 quick blinks?
	<i>19:35</i>	<i>Yes</i>

elev. 1273m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March *09* Time (UTC): *19:30* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n146</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1460</i>
Site and soil condition:	<i>Loose, sandy soil</i>
Stake (color and label) or NONE	<i>Yes, yellow & blue ties</i>
Approximate distance to DAS cable	<i>4m to stake, 1m to blue ^{flex} meters</i>
Burial Information:	Above ground: Flush with surface <u>Below surface:</u> <i>6 cm</i>
Digging tools used	<i>Dug by Kurt & BLM</i>
Realized Longitude: DD.mmmm	<i>119° 00.026'</i>
Realized Latitude: DD.mmmm	<i>39° 48.600'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT 1</i>
Number of your handheld GPS:	Your Waypoint code: NN <i>146</i>
Resonant frequency:	Vertical: <i>1765 z</i> N-S: <i>1761 y</i> E-W: <i>1745x</i>
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?
<i>09</i>	<i>19:30</i>	<i>Y</i>

1274m

Porotomo Project March 2016 Nodal Data Sheet

Installer Names: *of Utah*

Date (UTC): 2016 March Time (UTC): *21:00* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>147</i>
Sensor Owner:	<i>(Kurt)</i> <u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1581</i>
Site and soil condition:	<i>Sandy soil, some rocks</i>
Stake (color and label) or NONE	<i>Yes N147 R147</i>
Approximate distance to DAS cable	<i>2m to DAS, 2m to stake</i> meters
Burial Information:	Above ground: cm Flush with surface <u>Below surface:</u> <i>7</i> cm
Digging tools used	<i>Dug by Kurt 3 B.N.</i>
Realized Longitude: DD.mmmm	<i>119° 00.0091</i>
Realized Latitude: DD.mmmm	<i>39° 48.634'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT1</i>
Number of your handheld GPS:	Your Waypoint code: <i>NN 147</i>
Resonant frequency:	Vertical: <i>1763</i> N-S: <i>1769 (x)</i> E-W: <i>1783 (x)</i>
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?
<i>09</i>	<i>21:00</i>	<i>Yes</i>

ELW 1279m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March *10* Time (UTC): *01:30* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n148</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1094</i>
Site and soil condition:	<i>Soil Loose Sandy soil</i>
Stake (color and label) or NONE	<i>Yes N148 blue tie, yellow flag</i>
Approximate distance to DAS cable	<i>1-2 m from stake</i> meters
Burial Information:	Above ground: cm Flush with surface <u>Below surface:</u> <i>3</i> cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>118° 59.970'</i>
Realized Latitude: DD.mmmm	<i>39° 48.659'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: NN <i>148</i>
Resonant frequency:	Vertical: <i>1826</i> N-S: <i>1825 y</i> E-W: <i>1823 x</i>
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?
	<i>01:30</i>	<i>Yes</i>

1273m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March *10* Time (UTC): *01:35* (local) Day of Week: *Wed*

PoroTomo Sensor Number:	N- <i>n/49</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1081</i>
Site and soil condition:	<i>Loose sandy soil</i>
Stake (color and label) or NONE	<i>Yes, 2. (1) blue tie (in away, UT 49) (2) yellow tie, orange spray paint D101</i>
Approximate distance to DAS cable	_____ meters
Burial Information:	Above ground: _____ cm Flush with surface Below surface: _____ cm
Digging tools used	<i>BLM</i>
Realized Longitude: DD.mmmm	<i>118° 59.944'</i>
Realized Latitude: DD.mmmm	<i>39° 48.690'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT 1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: NN <i>149</i>
Resonant frequency:	Vertical: <i>1836</i> N-S: <i>1835y</i> E-W: <i>1850x</i>
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?
<i>10</i>	<i>01:35</i>	<i>Yes</i>

Q. 1274m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N- 1150
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001068
Site and soil condition:	packed fine gravel
Stake (color and label) or NONE	one stake w/o flag
Approximate distance to DAS cable	3 meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	Shovel
Realized Longitude: DD.mmmm	119° 00.591
Realized Latitude: DD.mmmm	39° 48.026 ^R
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT /
Number of your handheld GPS: 28	Your Waypoint code: NN
Resonant frequency:	Vertical: 1743 (Z) N-S: 1757 (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) 18: 15

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	17:50	X

elev 1249

PorotoTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PorotoTomo Sensor Number:	N- N151		
Sensor Owner:	Utah	Oregon	UTEP
Sensor Serial Number:	1464		
Site Condition:	Loose fine-grained sandy soil		
Stake (color and label) or NONE	w/ hard rock YES, no color/label		
Approximate distance to DAS cable	6m to stake	meters	
Burial Information:	Above ground:	2	cm
	Flush with surface		
	Below surface:		cm
Digging tools used	Shovel, wooden mallet		
Realized Longitude: DD.mmmm	119.00940		
Realized Latitude: DD.mmmm	39.80103		
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	Of course		
HHT used	h+1		
Number of your handheld GPS	Dante's		
Your Waypoint code: NN	151		
Resonant frequency:	Vertical	1759	
	N-S x	1754	
	E-W y	1788	

UTC date (2016/03/ 07	UTC time (hh:mm)	Notes
	22:17	

Elev 4106ff

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N- 1152
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	1058
Site and soil condition:	rocky & fine-grained soil
Stake (color and label) or NONE	stake w/ yellow flag
Approximate distance to DAS cable	3 m from stake meters
Burial Information:	Above ground: cm Flush with surface Below surface: cm
Digging tools used	spade, use of mallet
Realized Longitude: DD.mmmm	39.80160
Realized Latitude: DD.mmmm	119.00880
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: 1	Your Waypoint code: NN 152
Resonant frequency:	Vertical: 135 N-S: 1745 E-W: 1700
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?

Elev 4108ft

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC):

(local) Day of Week:

Porotomo Sensor Number:	N-1153
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001084
Site and soil condition:	packed fine gravel soil
Stake (color and label) or NONE	two stakes, one with blue tie
Approximate distance to DAS cable ^{benchmark}	3m to blue tie meters
Burial Information:	Above ground: 0 2 cm Flush with surface Below surface: cm
Digging tools used	Spade hammer
Realized Longitude: DD.mmmm	29° 48.118'
Realized Latitude: DD.mmmm	119° 00.513'
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: 26	Your Waypoint code: NN 153
Resonant frequency:	Vertical: 1753 (Z) N-S: 1720 (Y) E-W: 1724 (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) 18:25

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
2016/03/08	17:09	X

elev = 1256 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N- N154
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001089
Site and soil condition:	loose rock and hard packed soil
Stake (color and label) or NONE	/
Approximate distance to DAS cable	meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119. 00.484
Realized Latitude: DD.mmmm	39. 48.148
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT /
Number of your handheld GPS:	Your Waypoint code: NN 154
Resonant frequency:	Vertical: 1762 (x) N-S: 1359 (x) E-W: 1736 (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) 12:00 20:00

UTC date (2016/03/)	UTC time (hh:mm)	2 quick blinks?
08/08	19:43	x

elev. 1255

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

Date (UTC): 2016 March Time (UTC):

(local) Day of Week:

Porotomo Sensor Number:	N- N155
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001072
Site and soil condition:	get loose soil
Stake (color and label) or NONE	blue flag
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: 0.5 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119.00.427
Realized Latitude: DD.mmmm	39 48.200
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 155
Resonant frequency:	Vertical: 1748 (z) N-S: 1770 (y) E-W: 1758 (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	22:10	<input checked="" type="checkbox"/>

at 1200 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N- N156
Sensor Owner:	<input checked="" type="checkbox"/> Utah <input type="checkbox"/> Oregon <input type="checkbox"/> UTEP
Sensor Serial Number:	0001083
Site and soil condition:	part gravel
Stake (color and label) or NONE	None blue flag
Approximate distance to DAS-cable	2 meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	Shovel
Realized Longitude: DD.mmmm	119.00408' 119.0068
Realized Latitude: DD.mmmm	39° 48.226 39.80376667
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 150
Resonant frequency:	Vertical: 1812 (2) N-S: 1803 (1) E-W: 1786 (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	19:24	✓

elev 1260 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N-1157
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001473
Site and soil condition:	partly green
Stake (color and label) or NONE	blue flag none
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	
Realized Longitude: DD.mmmm	119° 00.37°
Realized Latitude: DD.mmmm	39° 48.274
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: 071
Number of your handheld GPS: 28	Your Waypoint code: NN 157
Resonant frequency:	Vertical: 1817 (2) N-S: 1795 (4) 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)

UTC date (2016/03/)	UTC time (hh:mm)	2 quick blinks?
08	20:49	ok

data 1267 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N- N158
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001442
Site and soil condition:	
Stake (color and label) or NONE	orange orange + blue
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: 1 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.350
Realized Latitude: DD.mmmm	39° 48.293
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UN71
Number of your handheld GPS: 28	Your Waypoint code: NN 156
Resonant frequency:	Vertical: 1807 (A) N-S: 1772 (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) 21:47 21:47

UTC date (2016/03/)	UTC time (hh:mm)	2 quick blinks?
03/06	21:37	✓

1268 m

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N ₇₁ 159
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001470
Site and soil condition:	Rocky. wet fine sand yrry
Stake (color and label) or NONE	blue flag
Approximate distance to DAS cable	2 meters
Burial Information:	Above ground: 4 cm Flush with surface Below surface: cm
Digging tools used	hammer
Realized Longitude: DD.mmmm	119° 00.330 119.0055
Realized Latitude: DD.mmmm	39° 48.321 39.80535
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 159
Resonant frequency:	Vertical: 1874 (Z) N-S: 1783 (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) 21:47

UTC date (2016/03/)	UTC time (hh:mm)	2 quick blinks?
03/08	21:27	2x

1209

PoroTomo Project March 2016 Nodal Data Sheet

Installer Names:

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

PoroTomo Sensor Number:	N-N/60
Sensor Owner:	Utah Oregon UTEP
Sensor Serial Number:	0001057
Site and soil condition:	firm paved ground
Stake (color and label) or NONE	
Approximate distance to DAS cable	blue flag, 3 meters
Burial Information:	Above ground: 2 cm Flush with surface Below surface: cm
Digging tools used	shovel
Realized Longitude: DD.mmmm	119° 00.300
Realized Latitude: DD.mmmm	39° 48.345
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: UT/
Number of your handheld GPS: 28	Your Waypoint code: NN 160
Resonant frequency:	Vertical: 1828 (Z) N-S: 1823 (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) 21:23

UTC date (2016/03/	UTC time (hh:mm)	2 quick blinks?
03/08	21:23	✓✓

eln 1270 m

Porotomo Project March 2016 Nodal Data Sheet

Installer Names: *Utah*

Date (UTC): 2016 March *10* Time (UTC): *21:20* (local) Day of Week: *Thurs.*

Porotomo Sensor Number:	N- <i>161</i>
Sensor Owner:	<u>Utah</u> Oregon UTEP
Sensor Serial Number:	<i>1090</i>
Site and soil condition:	<i>Loose sandy soil/day</i>
Stake (color and label) or NONE	<i>Yes, no label</i>
Approximate distance to DAS cable	<i>2m S of stake, 2m N of gully</i> meters
Burial Information:	<u>Above ground:</u> <i>2</i> cm Flush with surface Below surface: cm
Digging tools used	<i>Spade</i>
Realized Longitude: DD.mmmm	<i>119° 00.273'</i>
Realized Latitude: DD.mmmm	<i>39° 48.384'</i>
Did you orient arrow to True North using a Brunton compass with declination set to 13.5 deg East?	HHT used: <i>UT 1</i>
Number of your handheld GPS: <i>28</i>	Your Waypoint code: NN <i>161</i>
Resonant frequency:	Vertical: <i>1838</i> N-S: <i>1836</i> E-W: <i>1845</i>
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?
<i>10</i>	<i>21:20</i>	<i>Yes</i>

Q. 1267m