Date 3/30/2015			Station ORO	1
INSTALL SHEET (Q330 Su				
Local Date/Time: 11:60 A	M MIT GM	T Date/Time: 13	:00 GMT	
Field Team: Tanner,	Daniel,	Tom		4/3/2015
GPS Location of Site:			AL	replaced by STS-2 logs 32
Equipment			ST-	5 15 Eu : 1098 32
Sensor S/N:	736986	Sensor Type:	Guralp - 3T	BOBSIN: LOUISE
(2.330 LDAS S/N:	\$1 \$\$\$ \$\$\$ \$\$\$A 27 A \$1\$ C		T3H17	
WILAN Modern S/N:	500 7593		192.168.1.13	Q330 tag: 8
GPS antennactock S/N:		Modem IP:		
	1650036		192.168.1.105	
Flash Disk 1 S/N:		Size:		
Flash Disk 2 S/N:		Size:		
INSTALL SENSOR	mpass 5 deg	Baler Tag:		
Record the declination of your co	18	rees W (E)(circle one	,	
Place an arrow on the figure below		-	• ,	•
avoid sign errors)		, ,	~ 1/2 degree Easter	ard
	prientati	en estimated	12 000	
	j			
_ 5	O	5		
\Ε <u> </u>	•	. • W		
			•	
•				
G 1 2m				
Guralp 3T X Add layers of landscaping	g timber to provide clear	ance for this larger ser	nsor	
X Sweep any dirt from the t	op of the concrete base			
Attach the alignment jig a Lock feet of sensor	and use it to simultaneous	sly level and orient th	e sensor	
Connect the sensor cable			gh slack to allow you to reatt	
Reattach the alignment jig degree align and relevel b			asurements). If initial orienta	ation is off by more than 1
Trillium or STS2	_	arements.		
Sweep any dirt from the t	op of the concrete pad	on the communications	C 41.	
Use a ruler and sharpie to Connect the sensor cable	to control box and sensor	r on the concrete base	for this sensor	
Align the sensor using the	e mark and the alignment	rod, level, repeat unt	til level and aligned (fill out to	able below)
' ALL SENSORS ✓ Cut a length of 2" fire hor	se to run from sensor vau	alt to DAS enclosure		
Σ Use a fish tape to pull the			se and connect both ends	
<u>✓ Unlock masses</u> XCenter masses				
Working with your partners		ctional with a stomp	test	
✓ Install vault cover with so Cover vault with at least 1				
Bury sensor using sandba	gs filled with dirt, mound	d dirt ton top of vault	cover, and add mulch to top	

	ORC	,
Station Name	UNU	•

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Use Brunton compass adjacent to sensor measurement jig, measuring North (N) and South (S). Reverse the jig and repeat recording the 4 measurements below. Record to your best guess of the nearest 0.1 degree. If orientation is more than 1 degree away from NS try to realign. For Trillium and STS2 sensors use left and right side of alignment rod

	Brunton Left (N)	Brunton Left (S)	Brunton Right (N)	Brunton Right (S)	Wood al
	ž				Vsed all plate.
2					
Į					Due N,
	ardware Setup				~ 1. E
		post using brackets	and wood screws.		200
	onfigure guy wire		ala with the door faci	. a. J 11 11	44
✓ Inst	all GPS on top of	pole (must see the sl	ole with the door fach	ng downhill to allow wa	iter to drain
			the antenna is on the	side facing Vates)	
				lle up until testing is fin	ished)
	nect the baler to t		((op and recoming to the	isirea)
		7			
Power	system tests: vattery voltage (V)	4321 -de			
Initial b	attery voltage (V)	1295			
Solai pa	mei output test.		1 (1)	1 /)	
Dana	l 1 output (V) 2	sted (circle one): (a	sun on panels, (b) cl	oudy, (c) sun on panels	at low angle
	12 output (V) = 2				
	ent power up:	10.0			
		is set for sealed batt	erv mode		
Plug	g battery into pow	er box. Record volt	age showing on LCD	display (V) 13.4V blay (V) 14.0V	
				llock cannot happen till	now)
_ _ Che	ck here when the	GPS LED goes yello	W		
00000					
	perations with the Cl e the program into the		on the SONY Clie PDA		
	mmands->Cloning	2 0330			
		o clone based on sensor	type		
	>Station nan	nes Ilm overrides 330			
		Check" Edit/Verify			
	>IP Address	•			
		Ilm overrides 330			
	!Send	In-Check" Edit/Verify			
		ation Names			
		>DP4 >New			
		!Enter cur !Ok	rent station name (All CA	PS and up to 5 letter/number	r characters)
	!Save/Reboo				
D(***	!Ok	\$1 L	000	(GE) (GO) TV (==)	
≯∠l View:	s ->Data Recording	->D f 3 *Station name	UKU	(SENSOR TYPE)	

Note: DP3 station name should correspond to sensor type.

Provided & Views -> Data Recording -> DP4 *Station ORO (STATION NAME) *Net X6 (NETWORK CODE)

🖾 Connect sensor to Q330 AFTER Cloning the Q330 for correct sensor type

3

Checklist
Paperwork
∠Completed pages 1-3
Sensor
★ Compass declination set and recorded
∠ Oriented:
<u>X</u> Level.
Keet locked
Power system
∠Battery terminals tight
All power box connection tight
Any external power cables to box secured from rodent damage
\times Cables in the air have drip lines
No cables are on the ground without protection
$\underset{h}{\sim}$ SOLAR: panel boxes closed
AC: battery minder plugged in powered
Q330
∠Completed paperwork on pages 1-2
≤All unused connectors capped
Site
$\underline{\lambda}$ Multiple layers of plastic on top of vault
✓ Plastic configured to not collect water around sensor vault
\times Vault well covered with sandbags and dirt (6 inches minimum)
∠Cables all secured
✓ Dog house door is secured
★ Cable entry plugged with plumber's putty