Date 1/22/2015	Station WTP 1
INSTALL SHEET (Q330 Surface Site with Local Date/Time: 12:30 pm M5T	
Field Team: Tanner, Gary, Davi	i description of the second of
GPS Location of Site:	
<b>Equipment</b>	
Sensor S/N: 109 805	Sensor Type: 575-2
BOS S/N: 1001385	Q330 TagID: /400
Wilan S/N: 5003	
Clock S/N: 2719	0085 Q330 SIN: 0100000 BEAD 79318
Baler 5/0:	
INSTALL SENSOR	Q37072-192-168-1-113
∠ Check that compass declination is set to 8° E	
Place an arrow on the figure below showing when	e the declination marks is position on this compass (cross check against above to
avoid sign errors)	
	TTT W
Reattach the alignment jig and fill out the degree align and relevel before making fit Trillium or STS2Sweep any dirt from the top of the concress. Use a ruler and sharpie to scribe an alignConnect the sensor cable to control box aAlign the sensor using the mark and the a ALL SENSORSCut a length of 2" fire hose to run from s	ete base ultaneously level and orient the sensor  d then to the DAS (leave enough slack to allow you to reattach the alignment jig) e alignment table below (4 measurements). If initial orientation is off by more than an all measurements.  ete pad ment line on the concrete base for this sensor and sensor alignment rod, level, repeat until level and aligned (fill out table below) ensor vault to DAS enclosure I box cable through the fire hose and connect both ends  sor is functional with a stomp test
	irt, mound dirt ton top of vault cover, and add mulch to top

NA

DITOI	Experiment
1 31 17 21	Livenovimont
I JI JI TI .	cxnerimeni

Station Name\_\_\_\_WTV

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)			
· · · · · · · · · · · · · · · · · · ·	ga in the New York (Let Victoria and Let Victoria) and the probability of the Community of	e mercenna errecular en el la recramica con ella vica reco	the same the same and the same	Field Mark at Pal			
Q330 I	Hardware Setup	UI nost using brackets	and wood screws	FWYOUKOT PA			
Ke	configure guy wire	es if necessary					
	Place the dog house near the solar panel pole with the door facing downhill to allow water to drain						
	Install GPS on top of pole (must see the sky)Install Wilan radio on the pole (make sure the antenna is on the side facing Yates)						
Ru	n GPS and networ	k cables and connec		dle up until testing is finished)			
Connect the baler to the Q330							
Power system tests:							
Initial battery voltage (V) 13 C Solar panel output test:							
_	•	ested (circle one): (	(a) sun on panels, (b)	cloudy, (c) sun on panels at low angle			
Pan	el 1 output (V) el 2 output (V)	19.2	1 / ( /				
Pan Equipr	el 2 output (V) nent power up:	19-2					
n h Ma	ke sure nower how	x is set for sealed ba	ttery mode	12			
Plu	Plug battery into power box. Record voltage showing on LCD display (V) 13.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar panels to power box. Record voltage on display (V) 15.  Connect both solar p						
If a	all looks ok, conne	ect the Q330 to power	er (Note with Guralp i	unlock cannot happen till now)			
Check here when the GPS LED goes yellow							
			7 on the SONY Clie PD	•			
Clone the program into the Q330  Commands->Cloning  >Select file to clone based on sensor type >Station names  >Palm overrides 330 >"Check" Edit/Verify							
	>Select file >Station na	to clone based on senso	r type	ontigura			
	>P	alm overrides 330		RUSS 0111			
	>"Check" Edit/Verify >IP Addresses						
		alm overrides 330 Un-Cheek, Edit/Verify	rest the distribution of the second s	Willard			
	!Send						
The second section of the second second	Secretar temperature and secretar and secretarian secretarian.	tation Names >DP4 >New					
and the second		!Enter c !Ok	urrent station name (All C	CAPS and up to 5 letter/number characters)			
	!Save/Rebo						
□ Viev	!Ok ws ->Data Recording	g ->DP3 *Station name_		(SENSOR TYPE)			
. =•			n name should correspond				
☐ Views ->Data Recording ->DP4 *Station(STATION NAME) *Net(NETWORK CODE)							
☐ Connect sensor to Q330 AFTER Cloning the Q330 for correct sensor type							

3

O100000 B69D 79318 Deregistered

## Checklist

Paperwork
Completed pages 1-3
Sensor
Compass declination set and recorded
Oriented
Level
Feet locked
Power system
Battery terminals tight
All power box connection tight
Any external power cables to box secured from rodent damage
Cables in the air have drip lines
No cables are on the ground without protection
SOLAR: panel boxes closed
AC: battery minder plugged in powered
Q330
Completed paperwork on pages 1-2
Acquiring data
All unused connectors capped
Site
Multiple layers of plastic on top of vault
Plastic configured to not collect water around sensor vault
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