				(49	(4,
	Date 11/19/2014			Station 4850	Davis)
	INSTALL SHEET (Q330 State Local Date/Time: 11/19/12		Telemetry) IT Date/Time: [4:		inche/ 1
		restegard	II Date/Inne; /s.		
	GPS Location of Site:	e and for			·
	Equipment	•			
	Sensor S/N:	80403	Sensor Type:	575 - 2	_
0100000440895	FAB QYNO S/N:	01000044105	BOB-SAN:	05410	_ Baler tag
•	Modern S/N:	807	Q 330 M odem IP:	204.114.29.39	_
	Clock S/N:		GBX-604-5	: BY DYSA	16166
	Flash Disk 1 S/N:		Size:		
	Flash Disk 2 S/N:		Size:		_
	INSTALL SENSOR Record the declination of your co	omnass & dec	grees W Æ (circle one	switch	label: 4850 SW1
. •	Place an arrow on the figure belo	• ——	•	•	
	avoid sign errors)	3		_	·
				Com	was does not underground
				war	k under ground
	5	n	5	>	alignment 13 rough
	E ,	🕽	. ¥ W		•
				,	
	Guralp 3T		`\		
		ng timber to provide clear top of the concrete base	ance for this larger ser	nsor	
a	Attach the alignment jig	and use it to simultaneou	sly level and orient th	e sensor	
	Lock feet of sensor Connect the sensor cable	e to the sensor and then to	the DAS (leave enough	gh slack to allow you	to reattach the alignment jig)
	Reattach the alignment j	ig and fill out the alignme	ent table below (4 mea		orientation is off by more than 1
	Trillium or STS2	before making final meas	urements.		
	 ✓ Sweep any dirt from the ✓ A Use a ruler and sharpie to ✓ Connect the sensor cable 	top of the concrete pad	on the concrete hase	for this sensor NA	compassant working
	★ Align the sensor using the ALL SENSORS	he mark and the alignmen	t rod, level, repeat unt	il level and aligned (f	ill out table below)
	MACut a length of 2" fire he			d 1 1	
	MA Use a fish tape to pull the XUnlock masses	ie DAS to control box cat	ne urrougn the fire hos	se and connect both er	nas
	✓ Center masses	nor varify the ganger is fi-	actional with a stores	foot	
1.	✓ Working with your parts (Install vault cover with		nctional with a stomp	fest	

DUGL	Experiment
DUGL	Experimen

Station Name___

2

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)	
※ 整建设置性整理工作。不是有效 100000 2	1. 4. 4. 1. 1. 4. 4. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	<u>els, profilie alas la emplifica elektrika (s.e.).</u>	<u> </u>	
	· ·			

Q330 Hardware Setup
Install solar panels on post using brackets and wood screws.
Reconfigure guy wires 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)
X Run GPS and network cables and connect to Q330 (do not bundle up until testing is finished)
✓ Connect the baler to the Q330
Dozvov system tests
Power system tests: Initial battery voltage (V)
Solar panel output test:
Sun condition when tested (circle one): (a) sun on panels, (b) cloudy, (c) sun on panels at low angle
Panel 1 output (V)
Panel 2 output (V) \sqrt{A}
Equipment power up:
N/A Make sure power box is set for sealed battery mode
Plug battery into power box. Record voltage showing on LCD display (V) _/46
MAConnect both solar panels to power box. Record voltage on display (V) M/A
M/A If all looks ok, connect the Q330 to power (Note with Guralp unlock cannot happen till now)
X Check here when the GPS LED goes yellow
Name of B BBB Book John III
Q330 Operations with the Clie (program Q330B147 on the SONY Clie PDA)
Clone the program into the Q330
Commands->Cloning
>Select file to clone based on sensor type >Station names
>Station names >Palm overrides 330
>"Check" Edit/Verify
>IP Addresses
>Palm overrides 330
>"Un-Check" Edit/Verify !Send
>Station Names
>DP4 >New
!Enter current station name (All CAPS and up to 5 letter/number characters)
!Save/Reboot Ok
IOV
☑ Views -> Data Recording -> DP *Station name
Note: DP3 station name should correspond to sensor type.
Views -> Data Recording -> DP4 *Station USD (STATION NAME) *Net X (NETWORK CODE)
Connect sensor to Q330 AFTER Cloning the Q330 for correct sensor type
V And the state of the state of the source portroit she
\

SHE SHE

SITE NOTES (Anything strange or notable)

Checklist

Paperwork

Completed pages 1-3

Sensor

√ Oriented

★Level

✓ Feet locked

Power system

X Battery terminals tight

∠All power box connection tight

N/A Any external power cables to box secured from rodent damage

N/A Cables in the air have drip lines.

No cables are on the ground without protection

VA SOLAR: panel boxes closed

AC: battery minder plugged in powered

O330

✓ Completed paperwork on pages 1-2

✓ Acquiring data

★ All unused connectors capped

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

Phre (suchons)

Inventory:

575-7, 2 cables + breakout box
(orange)

I small battery + battery tendor

2370 april + ethernet cable

Rower box

Ix dual ofteal while (SE SI to FC)

(onnector: Buttery clams + wives for

powerly of translive

power box attachment

GPS trancelver

6 Tranceler -> Q330 cable ('old" one)

Teem 5 OK