INSTALL SHEET (STAND ALONE) STATION Name:_____

Local Date/Time:_____ GMT Date/Time:_____

Field Team: _____

Equipment

Sensor S/N: _____ Sensor Type: _____

DAS S/N: _____

Clock S/N: _____

Flash Disk 1 S/N: _____ Size: _____

Flash Disk 2 S/N: _____ Size: _____

INSTALL SENSOR

Level Sensor ____ sensor feet 'locked'_____ (if you have questions, ask)

Declination:_____ Orientation:_____ (East Rod STS2; Brass Pin North CMG)

Solar Power System Set-UP

NOTE: The following tests should be performed with the solar panels in full sun, and with fully charged batteries.

1. Test output of the batteries (12.5 – 13 VDC **WARNING**: **DO NOT** test current). Voltage: _____
2. Connect the batteries to the power box
3. Test the voltage out of the power box to the DAS from pin A+ to C- (Same as battery voltage.) **NOTE:** Make sure the polarity is correct. Voltage: _____
4. Test solar panel output (~18 Volts DC,). Voltage: _____
5. Connect solar panels to power box
6. Test the voltage at the battery terminals (Greater than battery voltage above). Voltage: ____

INSTALL DAS

Connect GPS, and Sensor to DAS and then connect Power.

SENSOR Unlock

CMG-3T: Use the host box to unlock the sensor. Press and hold both the Unlock and Enable Buttons for about 10 seconds.

CMG-3ESP: Remove the screw caps for each element and use the hex wrench to unlock all 3 elements. The red light on the host box will turn off when all of the elements have been unlocked. **Replace the screw caps before closing the sensor vault.**

STS-2: Use an STS-2 screwdriver to smoothly unlock all 3 elements. Give the STS-2 an initial centering pulse using the button on the host box.

DAS Setup

1. **Send Parameters to DAS (**Edit Station Name & Enter Sensor serial number**)**
   Work with Config ⇒ load ⇒ *das_par_file* ⇒ Edit ⇒ *enter station name*
   ⇒Channels(#1)⇒Details⇒*enter sensor sn*
   ⇒Send to DAS
   ⇒From DAS ⇒ Edit ⇒ Verify experiment name: _____
2. **Clear RAM** (Control ⇒ RAM ⇒ Clear)
3. **Reset System** (Control ⇒ Reset)
4. **Format Flash Disk** (Control ⇒ Format Disk) Disk 1:_____ Disk 2:_____
5. **Sensor Check** (Control ⇒ Aux. Control ⇒ Aux Ch. Should be between +/- 1.5 Volts)
   Check Mass Position Offsets
   Ch 1: _____V Ch 2: _____V Ch 3:_____V
6. **Monitor/Tap Test** (Control ⇒ Monitor ⇒ Stream 1 [if >= 20 SPS] ⇒ chans)
   Ch 1:_____ Ch 2: _____ Ch 3: _____

Date_____ Station_____

7. **Check Clock Status** (Control ⇒ Status ⇒ GPS) Time: _____
   Sec since LL: _____ *Note clock MUST lock before starting acquisition
   Phase Diff:_____ us (should be a small number)
   SV's: _____ MODE > cycled
   GPS Location of Site: _____
8. **Start Acquisition** (Control ⇒ Status ⇒ Start Acq)
   Start time: _____(check year and time)
9. **Verify RAM Increasing** (Control ⇒ Status ⇒ Update) **Yes / No**
10. **Force RAM Dump to Disk 1** (Remove disk 2; Control ⇒ RAM ⇒ Dump)
    Verify RAM *decreases* and disk 1 *increases* (Control ⇒ Status ⇒ Update) **Yes / No**
    Replace disk 2 **Yes / No**
11. **Disk Setup** (Control ⇒Disk)
    Dump Threshold: 66%
    Auto-wrap No (select the pull-down arrow to change setting)
    Dump on ET No
    Tap the SEND button to send the information to the DAS
12. **Write .CFG File to Disk** (Control⇒Status⇒DAS LP/WP)
    Tap the WRITE button, then OK, to write the .cfg file to the disk.
    Verify that the value of disk space used increases (Control ⇒Status ⇒Update). **Yes / No**
13. **DAS status** (⇒Update) (or Control ⇒ Status)
    Acq: Start On / Off
    Events: _____ RAM: _____ of _____
    Disk 1: _____ of _____ Disk 2: _____ of _____
    Temp: _____ Power: Input _____ Bkup : _____
    Ch: _____ DS: _____
    Firmware Version_____ (Control⇒Satus⇒Versions)
14. **Mass Position Offsets** (recheck) (Control ⇒ Aux. Control ⇒ Aux Ch.)
    Ch 1: _____V Ch 2: _____V Ch 3:_____V

Make sure all unused connectors are capped.

RECORD DIRECTIONS TO SITE AND ANY OTHER COMMENTS AND NOTES
TAKE A PICTURE OF THE SITE (Or Several)

CONTACT/LANDOWNER:_____
LOCATION OF SHIPPING CASES_____

SITE NOTES: