SEISMIC STATION MAINTENANCE/DATA DOWNLOAD
Date: _____

TOOLS NEEDED:

- ☐ Key to open station
- ☐ iPod and cable
- ☐ Memory cards
- ☐ Tape

INSTRUCTIONS:

- ☐ Scan box and surroundings for damage, comment on changes below
- ☐ Open box to expose the DAS recorder. Check the message window on top of the unit.
  If no message appears→ change batteries before proceeding
  If displays "Disk In Use, do not Disturb" → wait for this message to clear
  If screen displays status cycle → proceed as usual
- ☐ Plug iPod cable into port marked "Serial." Open iFSC program on the iPod, and go to [Control; Status]
- ☐ Check the GPS and ensure that it has locked in the past hour, if it has not, change the mode by clicking "constant awake"
- ☐ Stop the data acquisition by clicking [Stop] button next to the acquisition status. This will cause data to automatically begin dumping from RAM to disk, and the screen will display "Disk in use; do not disturb." If it does not, force dump the RAM by clicking the "clear/dump RAM" button, then "dump"
- ☐ Open the memory card vault (large circular lid on top of the DAS). There should be lights, one for each data card. Both lights are normally green, but turn red when they are in use. Once both lights are green, remove the cards from the DAS. Hold cards by the edges.
- ☐ Copy data to the laptop using the card reader.
- ☐ Save the old cards, and insert the new ones. Ensure that the disk lip is always facing towards the battery
- ☐ In the "Status" screen, there should be a "format" button next to the status of Disk 1. Click this button, and then "Okay." Formatting may take several minutes.
- ☐ Repeat this for Disk 2. Both disks should now read as empty
- ☐ Start acquisition [Start ON]
- ☐ Wait at least a minute, and refresh the page and ensure the disk is collecting data (Ensure RAM levels are increasing)
- ☐ Check the GPS again and force it to lock

- ☐ Force dump the RAM to disk. Wait at least a minute and refresh the page to ensure the RAM level has dropped and that one disk has a small amount of memory used.
- ☐ Close the program and remove the iPod. Watch the screen on top of the DAS until “Start ON” appears on the status cycle.
- ☐ Put all of the gear in a plastic bag, and close the box and secure the site.

SWAPPING THE BATTERIES

- ☐ Disconnect cable from battery terminals
- ☐ Swap batteries and reconnect to cable. Ensure the new battery has is > 12.5 Volts
- ☐ Plug cable into DAS “Power” port

COMMENTS:

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