Processing SUDS files

Originally I found 11302 bad DMX files (badDMXfileList.txt).

I also found 151 GSE files that had no MSEED file (GSEfilesToProcess2.txt). These are in ASNE\_, but not registered. The ones I checked had missing time and were set to Unix epoch 0.

And 75 empty PUN files (badPUNfilelist.txt).

All the bad waveform files are now detailed in badwaveformfiles.txt, created after AGU. There are:

* 58 dmx files of zero size
* 221 other dmx files with no GSE or MSEED files
* 279 bad events overall

But it looks like I have not checked this again verifiedbadDMXfiles.txt, which I created before leaving for AGU.

## To do:

* Check each GSE/MSEED file is registered. Check time is correct from using dmxfiletime.py.
* Make summary (PUN) files from each row of total summary file.
* Copy whole database from Windows laptop to newton.
* Add the count of base-36 files per day to my files per day plot.
* Clone/pull the SUDS2SEISAN reposity onto big PC.