HOWTO write your fits files to a DAT tape

For an interim period you — the observer — need to write your INT DAS generated `.fit` files to a DAT tape on lpss14 or lpss12 using `fitsout`.

The steps for doing this are detailed below and are valid for either lpss14 or lpss12. It is recommended however that you use lpss14 (the data reduction sparc) to do this.

1. I suggest that you open a new xterm window and cd to the data directory from which you wish to write data files from

2. The commands needed are `fitsinit` and `fitsout`.

3. Once for each data `D`–tape (the observatory archive tape) or `C`–tape (your copy of the data) you'll need to initialise the tape. This process includes appending a tape number of the form `INTD0000` or `INTC0000` and other tape initialisation infromation as the first tape file.

   The command to use is `fitsinit` and answer the prompts as follows:

   (a) `device: /dev/rmt/0n` — the DAT on lpss14
   (b) `block size: 2880` — use the default
   (c) `tape initials: GFM` — for example
   (d) `volume name: INTD3266` — for example

4. Then `fitsout` can be used to write your files. (Remember that you need to be in the directory with the `.fit` files to use this, so for example, `cd /obsdata/inta/19970619`, before starting `fitsout`)

   The answers to `fitsout` go as follows:

   (a) `device: /dev/rmt/0n` — the DAT on lpss12
   (b) `block size: 2880` — use the default
   (c) `run number of first file: 53437` — for example
   (d) `run number of last file: 53489` — for example

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