Getting Data From 9-Track Tape

First determine which tape the data is on from the log (these are kept in the SEST bodega). The older tapes are located in the telescope pedestal. Take the tape to the La Silla computer room and spool it onto `LU10`. Place the DAT on which the data is to be copied in `LU31`. **Saul Vial** will then perform the transfer for you. Following this, before leaving the computer room, the DAT can be checked on `dev/rmt/0mn` via one of the terminals there. After logging onto a machine, e.g. `kila`:

- `mkdir sesttape`
- `cd sesttape`
- `mt -t /dev/rmt/0mn rew`
- `tar tvf /dev/rmt/0mn >log.txt` (to read tape contents)
- `mt -t /dev/rmt/0mn rew`
- `more log.txt` (look at the log of the files on the DAT)
- `tar xvf /dev/rmt/0mn` (to retrieve the data)
- `chmod u+rw` <*project ID*> (e.g. for 1988 tape 15 this is `88_15`)
- `chmod u+rw Dfile`
- `rm Dfile`
- `cd ..`
- `mt -t /dev/rmt/0mn offl`

The data required should then be transferred to `PUPPIS`. It's best to tar these first (`tar cvf data.tar` <sesttape>) then transfer them as there may be too many files for a straight ftp. **Note:** Don't forget to clean up after you on `kila` (ie. `\rm -r sesttape data.tar`). Once on `PUPPIS`:

- `tar xfv data.tar` (creates a dir with the name `sesttape` with the data files inside)
- `cd sesttape`
- `\rm =VXSG*` (deletes the pointing files)
- `drp` (don't forget to set the environment on your terminal)
- `getsest -file` *filename* (one of the files to check if everything is okay so far)
- `show`

The data files will have very cumbersome names, so you want to rename these using Felipe's `rename` script on `PUPPIS`[1]. So first of all put each file type into different subdirectories:

- `mkdir AVE;mv *.AVE AVE/`
- `mkdir SPE;mv *.SPE SPE/`
- `cd AVE`
- `cp /home/sest/gildas/rename .`

IMPORTANT! Don't forget to edit `rename` accordingly ie. `*.SPE*` and
`$f:r.spe` (to rename SPE files) or `*.AVE` and
`$f:r.ave` (to rename AVE files), etc.

- `./rename` (this should rename all the `*AVE*` files to `*.ave`)
- `getsest -file` *file.ave* (to check)
- `show`

These files can then be converted to the required format using `drp2fits`, `class`, etc.

[1] Look for a copy in `/home/sest/gildas`