# HOWTO display images with IRAF for the new DAS

# Do NOT run iraf on the observing sparc lpss12

The INT observing system runs on the Sparcstation 20 (lpss12). For display data it is best to display and work on the data on lpss12 from another machine. At the moment (19 June 1997) the observers have lpss14 (a Sparctstation 20) for use, this is the INT data reduction — situated to the right of lpss12.

As a reminder, the data is stored in the `/obsdata/inta/<date>` (or `/obsdata/intb/<data>`) directory - a new one is created each day at midday (e.g. `/obsdata/inta/19960619`). This data, stored in diskfits format (with extension .fit) can be written to the D tape with `fistout` (as described elsewhere). Scratch space should be used for converting files to IRAF format.

This note sets out the steps to setup for analysing data.

1. Log on to the INT reduction system Sparc20 (lpss14) with: username `intguest` (password as given on the monitor)
2. Open up an xgterm with: `xgterm &`
3. Start up a display tool: `ximtool &`
4. Make a directory for the scratch data where the IRAF files go with: `mkdir /scratch/inta/<date>` (e.g. `mkdir /scratch/intaa/19970619`).
5. Start up IRAF with `cl` and load the ING package `ing`
6. Move to the scratch directory: `cd /scratch/inta/<date>`
7. Check that the DAS_GET command has the correct path to the obsdata with `epar das_get` (e.g. set obsdata path to /obsdata/inta/19970619).
8. Then after a run has been taken with the DAS, and a .FIT file created in the data directory use `das_get last ; imexam` to convert the file to IRAF format, display it and run up the IMEXAMINE tool.
9. Help on any iraf command can be obtained with the `help <command>` feature (e.g. `help das_get`)

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