

AOSC 652: Analysis Methods in AOSC

Reading multiple files:



At the command line:

```
ls *he5 > filenames.dat
```

The “>” send the output of the ls command into the file filenames.dat

In your code:

- 1) Open filenames.dat
- 2) Read list of filenames into string array
- 3) Loop through filenames in your code

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Reading multiple files:



In IDL

Num_files=file_lines('filenames.dat') “file_lines” is an IDL function that tells you how many lines of information are in a file

filename=strarr(num_files) create string array

openr,1,'filenames.dat'

nfile=' ' create a “dummy” string

for i=0,num_files-1 do begin

readf,1,nfile

read each line into dummy string

filename(i)=heads

endfor

close,1

For IDL users, cp ~tcanty/IDL/fnames.pro into your idl library

In IDL simply use fnames,'filenames.dat',filename,num_files

To convert ps to png at command line

convert figure.ps –background white –flatten figure.png