Chandra X-ray Center

How do I extract many spectra with one command?

There are three different stack inputs that may be used to obtain multiple spectra in a single command: `rgrid`, `pgrid`, and `lgrid`.

Grid Type	Syntax
Rectangular	`rgrid(xmin:xmax:dx,ymin:ymax:dy)`
Polar	`pgrid(xcen,ycen,rmin:rmax:dr,thetamin:thetamax:dtheta)`
Linear	`lgrid(lmin:lmax:dl)`

For example, to extract spectra for each of 100 sources in `my_src.fits`:

```
unix% dmextract \
      infile="acis_evt2.fits[sky=region(my_src.fits[component=lgrid(1:100:1)])][bin pi]" \
      outfile=my_pha2.fits
```

More information is available from <u>ahelp stack</u>; see the <u>Creating Multiple Spectra</u> section of the <u>Using the Output of Detect Tools</u> thread for another example.

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