



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`.

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

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 [ahelp_stack](#); see the [Creating Multiple Spectra](#) section of the [Using the Output of Detect Tools](#) thread for another example.

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URL:
http://cxc.harvard.edu/ciao3.4/faq/dmextract_multi.html
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