URL: http://cxc.harvard.edu/ciao3.4/dictionary/regions.html
Last modified: 15 December 2008

Regions

Regions are two dimensional filters that can be used to include or exclude data from a given file. They may be applied to *any* column in a file (time, spatial, etc.), using the DM command-line syntax. Regions can be read and written by the ds9 imaging tool and read by CIAO tools (e.g. `dmextract`, to extract photons just from the sources).

Regions are made up of a number of shapes that are listed in the `dmregions` ahelp page. The shapes can either be inclusive or exclusive. The different shapes can then be combined using either a boolean AND or boolean OR operation which leads to a degree of flexibility to design arbitrary regions.

For more information on creating and using regions, see the following threads:

- Using CIAO Region Files
- Creating Source and Background Files
- Using the Output of Detect Tools

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998-2008. All rights reserved.

URL: http://cxc.harvard.edu/ciao3.4/dictionary/regions.html
Last modified: 15 December 2008