



---

AHELP for CIAO 3.4

## mkbgreg

Context: [tools](#)

*Jump to:* [Description](#) [Example](#) [NOTES](#) [Bugs](#) [See Also](#)

---

## Synopsis

Creates a stack of background regions for a given source list

## Description

The mkBgReg.pl script takes an input source list and scaling factor (N). It creates a list of background regions with radii N times the source radii.

The script works on CIAO format region files for circular and elliptical regions in physical coordinates.

This script is used in conjunction with mkSubBgReg.pl ("ahelp mksubbgreg") in the [Create an Image of Diffuse Emission thread](#).

## Example

```
unix% mkBgReg.pl
ASCII region file (CIAO format): sources_mod.reg
Multiply source radius by: 2
Output filename: bkg.reg
```

Create a stack of background regions centered on the source regions in "sources\_mod.reg" with radii twice as large.

Note that the script always prompts for the inputs, even if they are supplied on the command line.

## NOTES

This script is not an official part of the CIAO release but is made available as "contributed" software via the [CIAO scripts page](#). Please see the [installation instructions page](#) for help on installing the package.

## Bugs

See the [bugs page for this script](#) on the CIAO website for an up-to-date listing of known bugs.

## See Also

*concept*

subspace

*dm*

dmregions

*tools*

dither\_region, dmcontour, dmimg2jpg, dmmakereg, get\_src\_region, tg\_create\_mask

---

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 © 1998–2006. All rights reserved.

URL:  
<http://cxc.harvard.edu/ciao3.4/mkbgreg.html>  
Last modified: March 2007