

URL: http://cxc.harvard.edu/ciao3.4/pix gac to gdp.html Last modified: December 2006

AHELP for CIAO 3.4

pix\_gac\_to\_gdp

Context: pixlib

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#### **Synopsis**

Convert from the Grating diffracted Angular coordinates (GAC) to Grating Dispersion Plane (GDP) coordinate system.

### **Syntax**

Array\_Type pix\_gac\_to\_gdp( Double\_Type x, Double\_Type y )

# Description

This routine converts a position in the Grating diffracted Angular Coordinate (GAC) system to the matching position in the Grating Dispersion Plane (GDP) coordinate system, using the current settings of the pixlib module. The x value gives the grating dispersion and the y value the cross–dispersion coordinate, both given in degrees. The return value is a two–element array which gives the GDP coordinates in pixels.

# Bugs

See the bugs page for the pixlib library on the CIAO website for an up-to-date listing of known bugs.

### See Also

modules

<u>pixlib</u>

pixlib

pix gdp to gac, pix get energy, pix get grating wavelength

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