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## Chandra/CIAO Dictionary

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Chandra and CIAO use a number of specialized terms, some of which are common in X-ray astronomy data analysis, but not used elsewhere, and some of which are specific to [CIAO](#).

Here we provide a dictionary of these terms. We have provided links to more information in the [CIAO webpages](#), on the [CXC site](#) in general, and in external webpages as appropriate, making the dictionary a handy place from which to explore. Help on the CIAO tools is available from the [ahelp documentation](#) page.

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[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [L](#) [M](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

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**A**[ACIS Background](#)[ACIS: Advanced Camera for Imaging and Spectroscopy](#)[ADU](#)[Afterglow](#)[Alternating Exposure Mode](#)[APEC: Astrophysical Plasma Emission Code](#)[APED: Astrophysical Plasma Emission Database](#)[ARD: Analysis Reference Data](#)[ARF: Auxiliary Response File](#)[asol](#)[Aspect / Aspect Solution](#)[ATOMDB: Atomic Database](#)**B**[Bad Pixels](#)[BI: Backside Illuminated](#)**C**[CALDB: Calibration Database](#)[Chandra](#)[ChaRT: The Chandra Ray Tracer](#)[ChIPS: Chandra Image and Plotting System](#)[CIAO: Chandra Interactive Analysis of Observations](#)[Continuous Clocking \(CC\)-mode for ACIS](#)[Coordinates](#)[CP: Custom Processing](#)[CTI: Charge Transfer Inefficiency](#)[CXC: Chandra X-ray Center](#)**D**[Data Model \(DM\)](#)[Dither](#)[ds9](#)[DTCOR](#)

**E**

Effective Area  
Electron Proton Helium Instrument (EPHIN)  
Energy  
Event  
evt  
EXPOSURE and EXPOSURn  
Exposure Maps  
EXPTIME

**F**

FEF: FITS Embedded Function  
FI: Frontside Illuminated  
Filter Window (filtwin)  
Firstlook  
FITS: Flexible Image Transport System  
FLSHTIME  
flt

**G**

Grade (Event Grade)  
GTI: Good Time Intervals  
GUI  
GUIDE: Grating User Interactive Data Extension

**H**

HETG/HETGS: High Energy Transmission Grating (Spectrometer)  
HRC: High Resolution Camera  
HRMA: High Resolution Mirror Assembly

**I**

img  
Instrument Maps  
ISIS

**L**

LETG/LETGS: Low Energy Transmission Grating (Spectrometer)  
Levels (in Standard Data Processing)  
LIVTIMEn and LIVETIME  
LSF: Line Spread Function

**M**

Mask File  
MDL: Model Descriptor List  
mtl / MTL: Mission Time Line

**O**

OBC: On-Board Computer  
OBI: Observation Interval  
Observation Times  
ObsID: Observation Id  
OGIP: Office for Guest Investigator Programs  
OIF: Observation Index File  
ONTIME and ONTIMEn  
osol

**P**

PCAD: Pointing Control and Determination system  
PHA keywords  
PHA: Pulse Height Amplitude  
PI: Pulse Invariant  
Pileup

Pitch

Pixlib

Platform

Prism

PSF Libraries

PSF: Point Spread Function

Q

Quantum Efficiency (QE)

Quantum Efficiency Uniformity (QEU)

R

Regions

RMF: Redistribution Matrix File

S

S-Lang

SDP: Standard Data Processing

Sherpa

SIM: Science Instrument Module

src

Stacks

Status Bits

Streak Events

Subspace / Data Subspace

T

TCD: Transforms, Convolutions and Deconvolutions

TIMEDEL

V

V&V: Verification and Validation

Virtual Columns

VTP: Voronoi Tessalation and Percolation

W

WCS: World Coordinate System

WMAP: Weight Map

X

X-rays

Y

Yaw

Z

z



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URL:  
<http://cxc.harvard.edu/ciao3.4/dictionary/>  
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