URL: http://cxc.harvard.edu/ciao3.4/dictionary/
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Chandra/CIAO Dictionary

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.

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

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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