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## Levels (in Standard Data Processing)

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The standard data processing (SDP) of Chandra data is divided into several stages or "Levels" (see the level ahelp page). At the end of each level a well defined set of data products are made, and these form the basis for the next level of processing.

**L0**

takes raw Chandra spacecraft telemetry and splits it into convenient FITS files.

**L0.5**

divides the telemetry on observation boundaries.

**L1**

applies instrument corrections to produce "event files" with aspect corrected positions for each event.

**L1.5**

(only for grating data) uses the position of the zeroth-order image to produce corrected positions for the dispersed counts (which can only be identified at this level). This removes blurring due to rotation.

**L2**

filters the event file to good time intervals (GTI), produces a candidate source list, and - if a grating observation - extracts a dispersed spectrum.

**L**

consists of catalogs and aggregate analysis of large numbers of observations. An example of a level 3 product would be a Chandra Source Catalog for all non-proprietary data, with sources identified and cross referenced with other catalogs. To date, there have been no L3 products created.

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