



Status Bits

Both ACIS and HRC [event files](#) contain a `STATUS` column which consists of 32 bits. These bits are used to indicate various potential issues with the events, such as bad pixels, cosmic rays, or streak events. They are numbered 0-31, counting from right to left, and carry a value of 0 or 1; 0 marks the bit as good, while 1 marks it as bad.

See the following memos for an explanation of the status bits in event and bad pixel files:

- [ACIS event files](#)
- [ACIS bad pixel files](#)
- [HRC event files](#)

The majority of the status bits are set during standard data processing ([SDP](#)). The [Create a New Level=2 Event File thread](#) contains examples of filtering ACIS and HRC data on status.

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