



## Release Notes and Index File Configurations

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### Release Notes

The following table lists all the CALDB releases made and includes the version number, release notes, and the date on which the update was released and made available to CIAO and Standard Data Processing (SDP). The times given are Universal Time (UT).

<i>Public Release Notes</i>	<i>CALDB Date</i>	<i>SDP Date</i>	<i>CIAO Date</i>	<i>Internal Release Notes (CfA Only)</i>
<a href="#">3.4.5</a>	2008-06-16T16:30:00	2008-06-16T17:00:00	2008-06-23T17:30:00	<a href="#">3.4.5</a>
<a href="#">3.4.4</a>	2008-04-02T14:00:00	2008-04-02T14:00:00	N/A	<a href="#">3.4.4</a>
<a href="#">3.4.3</a>	2008-03-24T16:00:00	2008-03-27T13:53:00	2008-03-31T16:00:00	<a href="#">3.4.3</a>
<a href="#">3.4.2</a>	2007-12-07T16:00:00	2007-12-12T13:00:00	2007-12-13T17:30:00	<a href="#">3.4.2</a>
<a href="#">3.4.1</a>	2007-09-14T14:00:00	2007-09-19T14:30:00	2007-09-14T14:00:00	<a href="#">3.4.1</a>
<a href="#">3.4.0</a>	2007-05-16T15:00:00	2007-05-22T12:00:00	2007-05-16T18:00:00	<a href="#">3.4.0</a>
<a href="#">3.3.0.1</a>	2007-02-02T14:00:00	N/A	2007-02-02T14:00:00	<a href="#">3.3.0.1</a>
<a href="#">3.3.0</a>	2006-12-18T17:00:00	2007-01-09T16:01:00	2006-12-18T17:00:00	<a href="#">3.3.0</a>
<a href="#">3.2.4</a>	2006-11-06T21:00:00	2006-11-12T14:50:00	2006-11-07T22:00:00	<a href="#">3.2.4</a>
<a href="#">3.2.3</a>	2006-08-09T16:00:00	2006-08-10T15:30:00	2006-08-10T15:00:00	<a href="#">3.2.3</a>
<a href="#">3.2.2</a>	2006-05-03T15:00:00	2006-05-03T16:30:00	2006-05-09T16:00:00	<a href="#">3.2.2</a>
<a href="#">3.2.1</a>	2005-12-15T16:00:00	2005-12-15T17:30:00	2005-12-15T22:00:00	<a href="#">3.2.1</a>
<a href="#">3.2.0</a>	2005-11-16T16:00:00	2005-11-15T15:30:00	2005-11-21T12:00:00	<a href="#">3.2.0</a>
<a href="#">3.1.0</a>	2005-06-23T12:00:00	2005-06-23T15:17:00	2005-06-23T12:00:00	<a href="#">3.1.0</a>

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<a href="#"><u>3.0.4</u></a>	2005-06-14T13:00:00	2005-06-14T13:00:00	N/A	<a href="#"><u>3.0.4</u></a>
<a href="#"><u>3.0.3</u></a>	2005-05-09T16:00:00	N/A	2005-05-09T16:00:00	<a href="#"><u>3.0.3</u></a>
<a href="#"><u>3.0.2</u></a>	2005-03-23T15:00:00	2005-03-23T16:01:00	N/A	<a href="#"><u>3.0.2</u></a>
<a href="#"><u>3.0.1</u></a>	2005-02-08T14:00:00	2005-02-15T16:45:00	2005-02-10T16:00:00	<a href="#"><u>3.0.1</u></a>
<a href="#"><u>3.0.0</u></a>	2004-12-14T17:00:00	2004-12-14T18:00:00	2004-12-15T00:00:00	<a href="#"><u>3.0.0</u></a>
<a href="#"><u>2.29</u></a>	2004-11-18T17:00:00	2004-11-18T20:00:00	2004-11-19T15:00:00	<a href="#"><u>2.29</u></a>
<a href="#"><u>2.28</u></a>	2004-08-11T17:00:00	2004-08-11T19:30:00	2004-08-11T17:00:00	<a href="#"><u>2.28</u></a>
<a href="#"><u>2.27</u></a>	2004-07-01T13:00:00	2004-07-09T13:00:00	2004-07-07T13:00:00	<a href="#"><u>2.27</u></a>
2.27A	2004-06-22T17:00:00	2004-06-22T17:00:00	N/A	
<a href="#"><u>2.26</u></a>	2004-02-02T21:00:00	2004-03-09T15:40:32	2004-02-02T21:00:00	<a href="#"><u>2.26</u></a>
<a href="#"><u>2.25</u></a>	2003-12-15T21:00:00	2003-12-30T14:00:00	2003-12-15T21:00:00	<a href="#"><u>2.25</u></a>
<a href="#"><u>2.24</u></a>	2003-09-23T14:00:00	2003-09-23T14:00:00	N/A	<a href="#"><u>2.24</u></a>
<a href="#"><u>2.23</u></a>	2003-06-30T00:00:00	2003-07-01T17:00:00	2003-08-06T18:00:00	<a href="#"><u>2.23</u></a>
<a href="#"><u>2.22</u></a>	2003-06-03T18:00:00	2003-06-05T15:39:00	2003-06-05T15:39:00	<a href="#"><u>2.22</u></a>
<a href="#"><u>2.21</u></a>	2003-02-14T16:00:00	2003-02-14T16:00:00	2003-02-14T16:00:00	<a href="#"><u>2.21</u></a>
<a href="#"><u>2.20</u></a>	2002-12-13T13:00:00	2002-12-13T13:00:00	2002-12-13T13:00:00	<a href="#"><u>2.20</u></a>
<a href="#"><u>2.19</u></a>	2002-11-29T14:00:00	2002-11-29T14:00:00	2002-11-29T14:00:00	<a href="#"><u>2.19</u></a>
<a href="#"><u>2.18</u></a>	2002-11-08T00:00:00	2002-11-08T00:00:00	2002-11-08T00:00:00	<a href="#"><u>2.18</u></a>
<a href="#"><u>2.17</u></a>	2002-10-01T13:00:00	2002-10-16T15:00:00	2002-10-16T15:00:00	<a href="#"><u>2.17</u></a>
<a href="#"><u>2.16</u></a>	2002-08-15T13:45:00	2002-08-15T13:45:00	2002-08-15T13:45:00	<a href="#"><u>2.16</u></a>
<a href="#"><u>2.15</u></a>	2002-06-25T13:00:00	2002-06-25T13:00:00	2002-06-25T13:00:00	<a href="#"><u>2.15</u></a>
<a href="#"><u>2.14</u></a>	2002-05-02T20:00:00	2002-05-02T20:00:00	2002-05-02T20:00:00	<a href="#"><u>2.14</u></a>
<a href="#"><u>2.13</u></a>	2002-04-04T15:05:00	2002-04-04T15:05:00	2002-04-04T15:05:00	<a href="#"><u>2.13</u></a>
<a href="#"><u>2.12</u></a>	2002-02-14T17:00:00	2002-02-15T17:00:00	2002-02-15T17:00:00	<a href="#"><u>2.12</u></a>
<a href="#"><u>2.11</u></a>	2001-12-26T00:00:00	2001-12-26T13:00:00	2001-12-26T13:00:00	<a href="#"><u>2.11</u></a>
<a href="#"><u>2.10</u></a>	2001-12-12T20:00:00	2001-12-19T00:00:00	2001-12-19T00:00:00	<a href="#"><u>2.10</u></a>

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<a href="#"><u>2.9</u></a>	2001-10-22T16:00:00	2001-10-22T16:00:00	2001-10-22T16:00:00	<a href="#"><u>2.9</u></a>
<a href="#"><u>2.8</u></a>	2001-09-06T15:30:00	2001-09-06T15:30:00	2001-09-06T15:30:00	<a href="#"><u>2.8</u></a>
<a href="#"><u>2.7</u></a>	2001-08-07T14:00:00	2001-08-07T14:00:00	2001-08-07T14:00:00	<a href="#"><u>2.7</u></a>
<a href="#"><u>2.6</u></a>	2001-06-01T19:59:00	2001-06-01T19:59:00	2001-06-01T19:59:00	<a href="#"><u>2.6</u></a>
<a href="#"><u>2.5</u></a>	2001-05-15T17:59:00	2001-05-15T17:59:00	2001-05-15T17:59:00	<a href="#"><u>2.5</u></a>
<a href="#"><u>2.4</u></a>	2001-03-19T20:00:00	2001-03-19T20:00:00	2001-03-19T20:00:00	<a href="#"><u>2.4</u></a>
<a href="#"><u>2.3</u></a>	2001-03-07T14:50:00	2001-03-07T14:50:00	2001-03-07T14:50:00	<a href="#"><u>2.3</u></a>
<a href="#"><u>2.2</u></a>	2001-01-25T18:00:00	2001-01-25T18:00:00	2001-01-25T18:00:00	<a href="#"><u>2.2</u></a>
<a href="#"><u>2.1</u></a>	2000-12-21T19:00:00	2000-12-21T19:00:00	2000-12-21T19:00:00	<a href="#"><u>2.1</u></a>
<a href="#"><u>2.0</u></a>	2000-12-04T21:00:00	N/A	2000-12-04T21:00:00	<a href="#"><u>2.0</u></a>
<a href="#"><u>1.8.1</u></a> <a href="#"><u>1.8</u></a>	2000-12-07T14:25:00	2000-12-07T14:25:00	Not Released Publicly	<a href="#"><u>1.8</u></a>
	2000-11-20T17:00:00	2000-11-20T17:00:00	Not Released Publicly	
<a href="#"><u>1.7</u></a>	2000-11-07T17:00:00	2000-11-07T17:00:00	Not released publicly	<a href="#"><u>1.7</u></a>
<a href="#"><u>1.6</u></a>	2000-10-12T14:16:00	2000-10-12T14:16:00	Not Released Publicly	<a href="#"><u>1.6</u></a>
<a href="#"><u>1.5</u></a>	2000-09-14T20:30:00	2000-09-14T20:30:00	Not released publicly	<a href="#"><u>1.5</u></a>
<a href="#"><u>1.4</u></a>	2000-08-17T18:00:00	2000-08-17T18:00:00	Not Released Publicly	<a href="#"><u>1.4</u></a>
<a href="#"><u>1.3</u></a>	2000-07-31T16:00:00	2000-07-31T16:00:00	Not Released Publicly	<a href="#"><u>1.3</u></a>
<a href="#"><u>1.2</u></a>	2000-06-12T15:25:00	2000-06-12T15:25:00	Not Released Publicly	<a href="#"><u>1.2</u></a>
<a href="#"><u>1.1</u></a>	2000-04-25T05:00:00	2000-04-30T11:45:00	Not Released Publicly	<a href="#"><u>1.1</u></a>
<a href="#"><u>1.0</u></a>	2000-03-26T05:00:00	2000-04-05T05:00:00	Not Released Publicly	<a href="#"><u>1.0</u></a>

## Index File Configurations

Special FITS index files contain the lists of CALDB keywords for the principle header data unit (HDU) of each calibration file; there is one index file for each instrumental branch. More information is available from the Indexing System page.

The index files are named caldbNxxxx.indx, where xxxx is a four-digit version number. The following table gives the version number of the instrument branch for each CALDB release.

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<i><b>CALDB Version</b></i>	<i><b>ACIS</b></i>	<i><b>EPHIN</b></i>	<i><b>HRC</b></i>	<i><b>PCAD</b></i>	<i><b>SIM</b></i>	<i><b>TEL</b></i>
3.4.5	0044	0002	0036	0014	0004	0014
3.4.4	0043	0002	0036	0014	0004	0014
3.4.3	0043	0002	0036	0013	0004	0014
3.4.2	0042	0002	0036	0013	0004	0014
3.4.1	0041	0002	0035	0013	0004	0014
3.4.0	0040	0002	0034	0013	0004	0014
3.3.0.1	0039	0002	0033	0012	0004	0014
3.3.0	0038	0002	0033	0012	0004	0014
3.2.4	0037	0002	0032	0012	0004	0014
3.2.3	0036	0002	0032	0012	0004	0014
3.2.2	0036	0002	0031	0012	0004	0014
3.2.1	0035	0002	0031	0012	0004	0014
3.2.0	0034	0002	0030	0012	0004	0013
3.1.0	0033	0002	0029	0012	0004	0013
3.0.4	0032	0002	0029	0012	0004	0013
3.0.3	0031	0002	0028	0012	0004	0013
3.0.2	0030	0002	0028	0012	0004	0013
3.0.1	0029	0002	0028	0012	0004	0013
3.0.0	0029	0002	0027	0012	0004	0012
2.29	0028	0001	0026	0011	0003	0011
2.28	0027	0001	0026	0011	0003	0011
2.27	0026	0001	0025	0011	0003	0010

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2.27A	0026A	0001	0025	0011	0003	0010
2.26	0025	0001	0024	0011	0003	0010
2.25	0024	0001	0024	0011	0003	0010
2.24	0023	0001	0023	0010	0003	0010
2.23	0023	0001	0022	0010	0002	0010
2.22	0022	0001	0022	0009	0002	0010
2.21	0021	0001	0022	0009	0002	0010
2.20	0020	0001	0021	0009	0002	0010
2.19	0019	0001	0020	0009	0002	0010
2.18	0018	0001	0019	0009	0002	0010
2.17	0017	0001	0018	0009	0002	0010
2.16	0016	0001	0017	0009	0002	0010
2.15	0015	0001	0016	0009	0002	0009
2.14	0015	0001	0015	0009	0002	0009
2.13	0015	0001	0015	0008	0002	0009
2.12	0015	0001	0014	0008	0002	0009
2.11	0014	0001	0013	0007	0002	0009
2.10	0014	0001	0012	0007	0002	0009
2.9	0013	0001	0011	0007	0002	0009
2.8	0012	0001	0010	0007	0002	0008
2.7	0011	0001	0010	0006	0002	0008
2.6	0010	0001	0010	0006	0002	0008
2.5	0009	0001	0009	0006	0002	0007

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2.4	0008	0001	0008	0006	0002	0007
2.3	0008	0001	0007	0006	0002	0007
2.2	0008	0001	0006	0006	0002	0006
2.1	0007	0001	0005	0006	0002	0005
2.0	0007	0001	0005	0006	0002	0004
1.8.1	0006	0001	0004	0005	0001	0003
1.8	0005	0001	0004	0005	0001	0003
1.7	0005	0001	0003	0005	0001	0003
1.6	0005	0001	0003	0004	0001	0003
1.5	0004	0001	0003	0004	0001	0003
1.4	0004	0001	0003	0003	0001	0003
1.3	0003	0001	0002	0003	0001	0002
1.2	0002	0001	0001	0002	0001	0001
1.1	0001	0001	0001	0002	0001	0001
1.0	0001	0001	0001	0001	0001	0001

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URL:  
<http://cxc.harvard.edu/caldb/downloads/releasenotes.html>  
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