



Calibration to CALDB File: HRC

Return to: [Calibration Index](#)

HRC Calibration Products

The root for the *CALDB Dir* is \$CALDB/data/chandra/.

<i>CALDB File Type</i> <i>CCNM</i> <i>CALDB Dir</i>	<i>Filename</i>	<i>Installation Date</i>	<i>CALDB Version</i>	
<i>Bad Pixel List</i> BADPIX hrc/bcf/badpix/	HRC-I: hrciD1999-07-22badpixN0002.fits hrciD1999-07-22badpixN0001.fits	2002-04-04T15:05:00 1999-09-13T00:00:00	2.13 1.0	hrc b hrc b
	HRC-S: hrscD1999-07-22badpixN0003.fits hrscD1999-07-22badpixN0002.fits hrscD1999-07-22badpixN0001.fits v2 retired as of CalDB 2.28 v1 retired as of CALDB 2.11	2004-08-11T17:00:00 2001-12-26T00:00:00 1999-10-06T00:00:00	2.28 2.11 1.0	hrc b hrc b hrc b
<i>Degap Correction Table</i> GAPLOOKUP hrc/bcf/gaplookup/	HRC-I: hrciD1999-07-22gaplookupN0003.fits hrciD1999-07-22gaplookupN0002.fits v2 retired as of CalDB 3.4.1 hrciD1999-07-22gaplookupN0001.fits v1 retired as of CALDB 3.2.3	2007-09-14T14:00:00 2006-08-09T16:00:00 2005-06-14T13:00:00	3.4.1 3.2.3 3.0.4	capel hrci N/A
	HRC-S: hrscD1999-07-22gaplookupN0002.fits hrscD1999-07-22gaplookupN0001.fits v1 retired as of CALDB 3.2.0	2005-11-16T16:00:00 2005-06-14T13:00:00	3.2.0 3.0.4	N/A hrc c
<i>Detector Gain Map</i> GMAP hrc/bcf/gain/	HRC-I: hrciD1998-10-30gainN0002.fits hrciD1999-10-04gainN0003.fits hrciD2000-12-12gainN0002.fits hrciD2002-01-26gainN0002.fits	2006-08-09T16:00:00 2007-05-16T15:00:00	3.2.3 3.4.0	hrciD hrciD hrciD hrciD

Calibration to CALDB File: HRC – CALDB 2

AMP_SF_COR hrc/bcf/amp_sf_cor/	HRC-S: hrCS1999-07-22amp_sf_corN0001.fits	2002-11-08T00:00:00	<u>2.18</u>	
Tap-ringing Test Coefficients TAPRINGTEST hrc/bcf/tapring/	HRC-I: hrciD1999-07-22tapringN0002.fits hrciD1999-07-22tapringN0001.fits	2003-09-23T14:00:00 2000-07-31T16:00:00	<u>2.24</u> <u>1.3</u>	See t
	HRC-S: hrCS1999-07-22tapringN0002.fits hrCS1999-07-22tapringN0001.fits	2003-09-23T14:00:00 2001-01-25T18:00:00	<u>2.24</u> <u>2.2</u>	
Good Time Interval Limits GTI_LIM hrc/bcf/gtilim/	HRC-I (2002/11/15-Present): hrciD2002-11-15gtilimN0003.fits hrciD2002-11-15gtilimN0001.fits	2004-07-01T13:00:00 2002-11-29T14:00:00	<u>2.27</u> <u>2.19</u>	
	HRC-I (1999/10/04-2002/11/15): hrciD1999-10-04gtilim_secN0006.fits hrciD1999-10-04gtilimN0006.fits hrciD1999-10-04gtilim_secN0005.fits hrciD1999-10-04gtilimN0005.fits hrciD1999-10-04gtilimN0004.fits hrciD1999-10-04gtilim_secN0004.fits hrciD1999-10-04gtilimN0003.fits hrciD1999-10-04gtilimN0002.fits v3 retired as of CALDB 2.16 v2 retired as of CALDB 2.6	2004-07-01T13:00:00 2002-08-15T13:45:00 2001-06-01T19:59:00 2000-03-26T00:00:00	2.27 <u>2.16</u> <u>2.6</u> <u>1.0</u>	
	HRC-I (Launch-1999/10/04): hrciD1999-07-22gtilimN0006.fits hrciD1999-07-22gtilim_secN0005.fits hrciD1999-07-22gtilimN0004.fits hrciD1999-07-22gtilim_secN0004.fits hrciD1999-07-22gtilimN0003.fits hrciD1999-07-22gtilimN0002.fits v3 retired as of CALDB 2.16 v2 retired as of CALDB 2.6	2004-07-01T13:00:00 2002-08-15T13:45:00 2001-06-01T19:59:00 2000-03-26T00:00:00	2.27 <u>2.16</u> <u>2.6</u> <u>1.0</u>	
	HRC-S (2002/11/15-Present): hrCS2002-11-15gtilimN0003.fits hrCS2002-11-15gtilimN0001.fits	2004-07-01T13:00:00 2002-11-29T14:00:00	<u>2.27</u> <u>2.19</u>	
	HRC-S (Launch-2002/11/15): hrCS1999-07-22gtilimN0006.fits hrCS1999-07-22gtilim_secN0005.fits hrCS1999-07-22gtilimN0004.fits hrCS1999-07-22gtilim_secN0004.fits hrCS1999-07-22gtilimN0003.fits hrCS1999-07-22gtilimN0002.fits v3 retired as of CALDB 2.16 v2 retired as of CALDB 2.6	2004-07-01T13:00:00 2002-08-15T13:45:00 2001-06-01T19:59:00 2000-03-26T00:00:00	2.27 <u>2.16</u> <u>2.6</u> <u>1.0</u>	

Calibration to CALDB File: HRC – CALDB 2

<p>Mean Quantum Efficiency (includes UVIS transmission)</p> <p>QE hrc/bcf/qe/</p>	<p>HRC-I: hrciD1999-07-22qeN0007.fits hrciD1999-07-22qeN0006.fits hrciD1999-07-22qeN0005.fits hrciD1999-07-22qeN0004.fits hrciD1999-07-22qeN0003.fits</p> <p><i>v5 retired as of CALDB 2.17</i> <i>v4 retired as of CALDB 2.15</i> <i>v3 retired as of CALDB 2.10</i></p>	<p>2003-12-15T21:00:00 2002-10-01T13:00:00 2002-06-25T13:00:00 2001-12-12T20:00:00 1999-12-21T00:00:00</p>	<p><u>2.25</u> <u>2.17</u> <u>2.15</u> <u>2.10</u> <u>1.0</u></p>	<p><u>v7: mcp qe i</u> <u>mcp qe i.v2.</u></p> <p><u>v6: mcp qe i</u> <u>uvis i.v4.mdl</u></p> <p><u>v5: mcp qe i</u> <u>uvis i.v3.mdl</u></p> <p><u>v4: mcp qe i</u> <u>uvis i.v3.mdl</u></p> <p><u>v3: mcp qe i</u> <u>uvis i.v2.mdl</u></p>
<p>QE Uniformity Maps</p> <p>QEU</p>	<p>HRC-I: hrciD1999-07-22qeuN0002.fits hrciD1999-07-22qeuN0001.fits</p>	<p>2001-10-22T16:00:00 1999-12-21T00:00:00</p>	<p><u>2.9</u> <u>1.0</u></p>	<p><u>hrci smooth</u> <u>hrci surface</u></p>

Calibration to CALDB File: HRC – CALDB 2

<p>hrc/bcf/qe/ (<i>v1</i>: flat maps, include UVIS geometry)</p>	<p><i>v1</i> retired as of CALDB 2.9</p> <p>HRC-S: hrdsD1999-07-22qeuN0004.fits hrdsD1999-07-22qeuN0003.fits hrdsD1999-07-22qeuN0002.fits hrdsD1999-07-22qeuN0001.fits</p> <p><i>v3</i> retired as of CALDB 3.0.1 <i>v2</i> retired as of CALDB 2.12 <i>v1</i> retired as of CALDB 2.9</p>	<p>2005-02-08T14:00:00 2002-02-14T17:00:00 2001-10-22T16:00:00 1999-12-21T00:00:00</p>	<p><u>3.0.1</u> <u>2.12</u> <u>2.9</u> <u>1.0</u></p>	<p>v4: R hrds v3: R hrds v2: R hrds</p>
<p>LETG/HRC-S Region Filter (Bowtie Region Filter)</p> <p>TGMASK2 hrc/bcf/tgmask2/</p>	<p>letgD1999-07-22regN0002.fits</p>	<p>2000-11-15T16:00:00</p>	<p><u>1.8</u></p>	<p>letgs</p>
<p>Two-Dimensional Point Spread Functions</p> <p>2D_PSF hrc/cpf/2dpsf/</p>	<p>HRC-I <i>type 1</i>: hrci1998-11-052dpsf1N0002.fits <i>type 2</i>: hrci1998-11-052dpsf2N0002.fits <i>type 3</i>: hrci1998-11-052dpsf3N0002.fits <i>type 4</i>: hrci1998-11-052dpsf4N0002.fits</p> <p>HRC-S <i>type 1</i>: hrds1998-11-052dpsf1N0002.fits <i>type 2</i>: hrds1998-11-052dpsf2N0002.fits <i>type 3</i>: hrds1998-11-052dpsf3N0002.fits <i>type 4</i>: hrds1998-11-052dpsf4N0002.fits</p>	<p>2000-11-26T00:00:00</p>	<p><u>2.0</u></p>	
<p>LETG/HRC-S PI Region Filters</p> <p>TGPIMASK2 hrc/bcf/tgmask2/</p>	<p>letgD1999-07-22pireg046_N0001.fits letgD1999-07-22pireg062_N0001.fits letgD1999-07-22pireg075_N0001.fits</p>	<p>2001-03-07T14:50:00</p>	<p><u>2.3</u></p>	

Return to: [Calibration Index](#)

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
 60 Garden Street, Cambridge, MA 02138 USA.
 Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL:
<http://cxc.harvard.edu/caldb/calibration/hrc.html>
 Last modified: 14 September 2007

