

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62327 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

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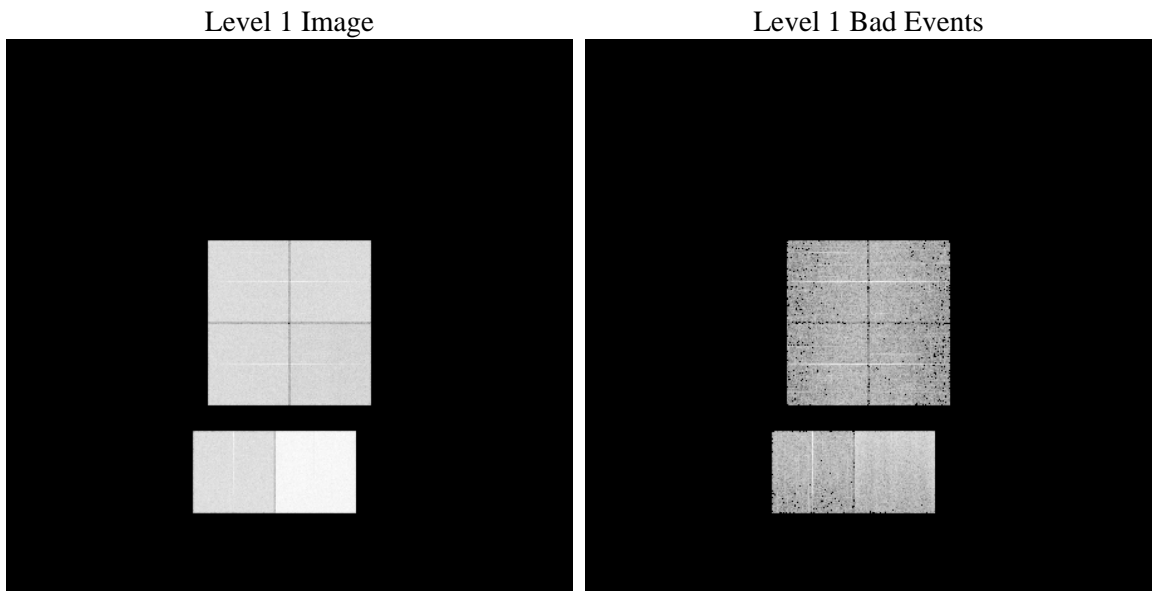
1 Front

seq_num	 	Sequence number
obs_id	62327	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	170.06837818976	Nominal RA
dec_nom	50.028448234346	Nominal Dec
roll_nom	47.473178037726	Nominal Roll
revision	4	Processing version of data
ontime	4923.6337168738	Sum of GTIs [s]
livetime	4861.2877020945	Livetime [s]
ontime0	1928.4174271673	Sum of GTIs [s]
ontime1	1925.176357232	Sum of GTIs [s]
ontime2	1815.3790559769	Sum of GTIs [s]
ontime3	1461.7077161223	Sum of GTIs [s]
ontime6	2096.9513877854	Sum of GTIs [s]
ontime7	4923.6337168738	Sum of GTIs [s]
l2events	1280658	Number of level 2 events

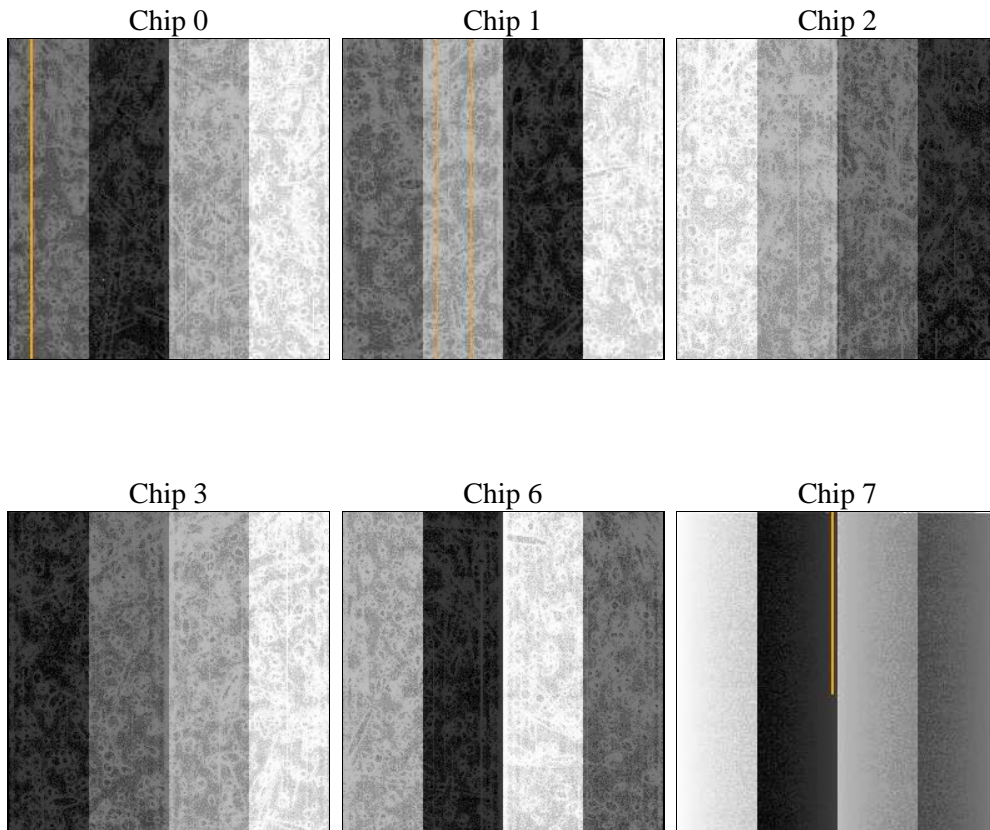
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	4923.6337168738	Sum of GTIs [s]
caldbver	4.1.4	 	ontime0	1928.4174271673	Sum of GTIs [s]
date	2009-11-21T12:34:10	Date and time of file creation	ontime1	1925.176357232	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1815.3790559769	Sum of GTIs [s]
			ontime3	1461.7077161223	Sum of GTIs [s]
			ontime6	2096.9513877854	Sum of GTIs [s]
			ontime7	4923.6337168738	Sum of GTIs [s]
			l1events	1489059	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	197477	197830	188275	161304	222607	521566	grade 0 events	63215	63203	51844	52240	54398	85901
rejected events	26264	26756	27657	22687	32190	50827		32%	31%	27%	32%	24%	16%
rejected %	13%	13%	14%	14%	14%	9%	grade 1 events	283	252	234	244	214	231
								0%	0%	0%	0%	0%	0%
							grade 2 events	64259	64135	69060	54210	87431	132427
								32%	32%	36%	33%	39%	25%
							grade 3 events	6793	6924	5507	4629	5482	40593
								3%	3%	2%	2%	2%	7%
							grade 4 events	6784	6904	5530	4786	5579	36453
								3%	3%	2%	2%	2%	6%
							grade 5 events	1737	1640	1613	1399	1843	7356
								0%	0%	0%	0%	0%	1%
							grade 6 events	30162	29908	28953	22752	37527	175705
								15%	15%	15%	14%	16%	33%
							grade 7 events	24244	24864	25534	21044	30133	42900
								12%	12%	13%	13%	13%	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	170.0683781897554	Alternating exposures requested	N	N
Pointing Dec	0	50.02844823434619	Primary exposure time	3.2	3.2
Pointing Roll	0.0	47.47317803772554			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	58013961.745908	58013960.977439			
Observation start date	1999-11-03T10:59:22	1999-11-03T10:59:20			
Observation end time	58063625.047704	58063624.279231			
Observation end date	1999-11-04T00:47:05	1999-11-04T00:47:04			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9236337168738

A.2 Comments

The front-end processor designated FEPO suffered from a rare problem. As a result, the top half of the bias-map for a CCD_ID (the CCD associated with FEPO) was corrupted for part of the observation and many invalid events were telemetered for this region. The standard pipeline processing tools identify the problem and remove the spurious events from the Level 2 event file during the interval in question. The FEPO anomaly could not be verified in the bias files for this observation, but it is on the original list of obsids that have this problem.
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