

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62234 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 12 2010

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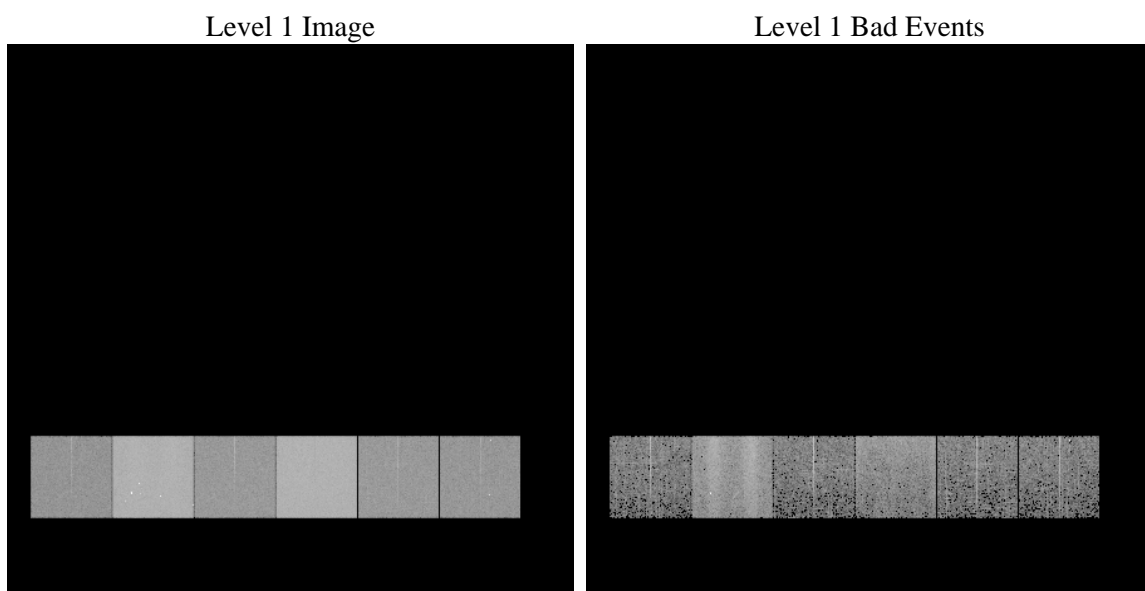
1 Front

seq_num	 	Sequence number
obs_id	62234	Observation id
title	ACIS-456789 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	154.55536754	Nominal RA
dec_nom	41.464493806683	Nominal Dec
roll_nom	101.8310332993	Nominal Roll
revision	4	Processing version of data
ontime	2883.7900127769	Sum of GTIs [s]
livetime	2847.2737272252	Livetime [s]
ontime4	1098.1066613719	Sum of GTIs [s]
ontime5	3066.3048401251	Sum of GTIs [s]
ontime6	1240.6714315042	Sum of GTIs [s]
ontime7	2883.7900127769	Sum of GTIs [s]
ontime8	1221.3072016761	Sum of GTIs [s]
ontime9	1182.2095415369	Sum of GTIs [s]
l2events	899414	Number of level 2 events

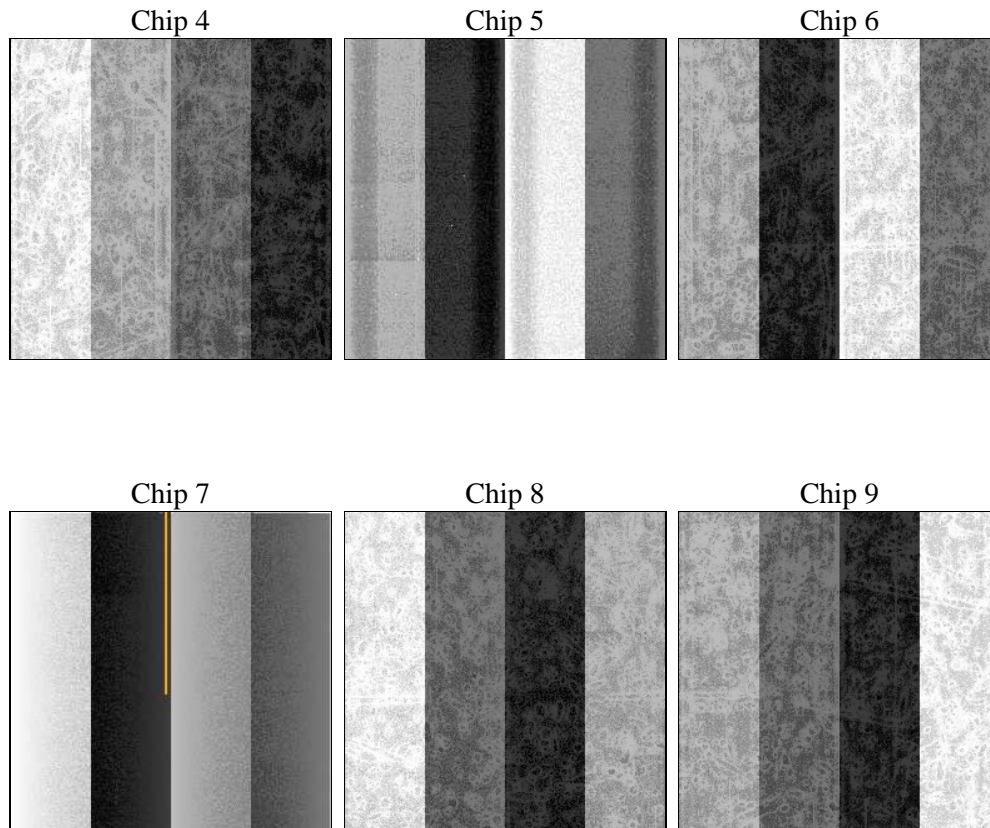
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	106614	288865	127574	293789	128628	118090
rejected events	17824	47112	18276	28478	18340	17304
rejected %	16%	16%	14%	9%	14%	14%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	19980	27021	29721	48737	37662	30363
	18%	9%	23%	16%	29%	25%
grade 1 events	97	446	135	111	175	479
	0%	0%	0%	0%	0%	0%
grade 2 events	48223	94116	51509	74081	44460	44870
	45%	32%	40%	25%	34%	37%
grade 3 events	2066	12833	3151	23028	4114	3188
	1%	4%	2%	7%	3%	2%
grade 4 events	1947	10888	3136	20943	3977	3280
	1%	3%	2%	7%	3%	2%
grade 5 events	868	4767	1078	4136	1097	1064
	0%	1%	0%	1%	0%	0%
grade 6 events	16574	97172	21781	98522	20075	19085
	15%	33%	17%	33%	15%	16%
grade 7 events	16859	41622	17063	24231	17068	15761
	15%	14%	13%	8%	13%	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	154.5553675400034	Alternating exposures requested	N	N
Pointing Dec	0	41.46449380668258	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	101.8310332993035			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	63732014.653	63732013.884326			
Observation start date	2000-01-08T15:20:15	2000-01-08T15:20:13			
Observation end time	63775954.354	63775953.585922			
Observation end date	2000-01-09T03:32:34	2000-01-09T03:32:33			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8837900127769

A.2 Comments

The focal plane temperature is approximately -110C during this observation.

The ACIS CTI correction has not been calibrated at this temperature because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front- and back-illuminated chips are affected. However, a T_GAIN correction has been applied to the BI chips

(ACIS-5 and ACIS-7) data included here.