

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56031 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 3 2012

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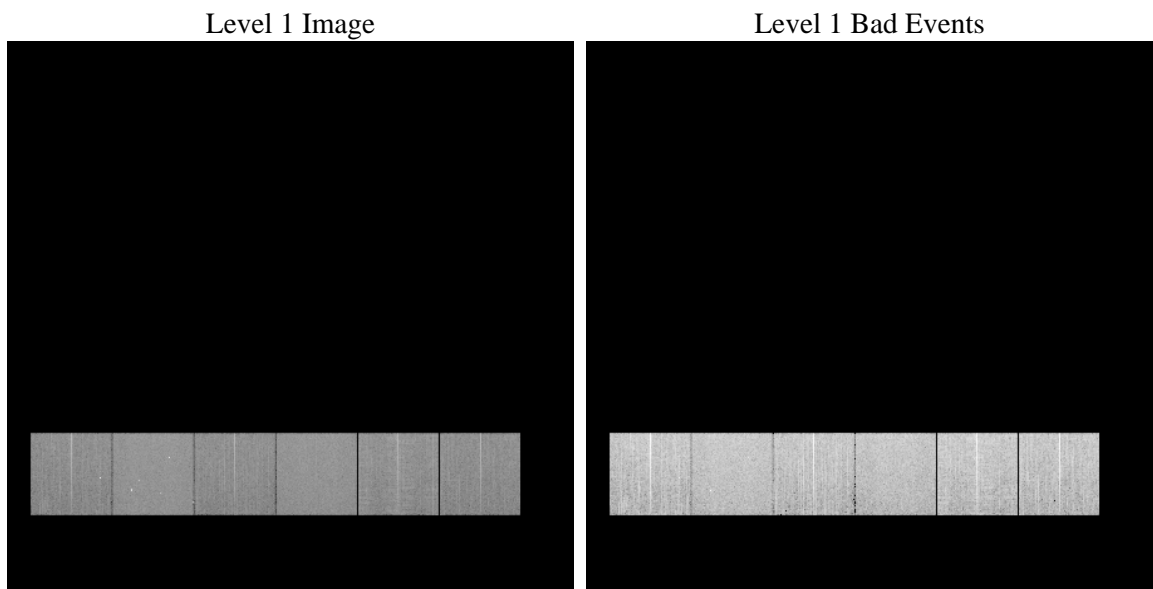
1 Front

seq_num	 	Sequence number
obs_id	56031	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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	356.02259861909	Nominal RA [deg]
dec_nom	-27.479371883394	Nominal Dec [deg]
roll_nom	12.841831285551	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8050.0416151285	Sum of GTIs [s]
livetime	7948.1071410446	Livetime [s]
ontime4	8049.9184951186	Sum of GTIs [s]
ontime5	8050.0005751252	Sum of GTIs [s]
ontime6	8049.9595351219	Sum of GTIs [s]
ontime7	8050.0416151285	Sum of GTIs [s]
ontime8	8049.8774551153	Sum of GTIs [s]
ontime9	8050.0826551318	Sum of GTIs [s]
l2events	397729	Number of level 2 events

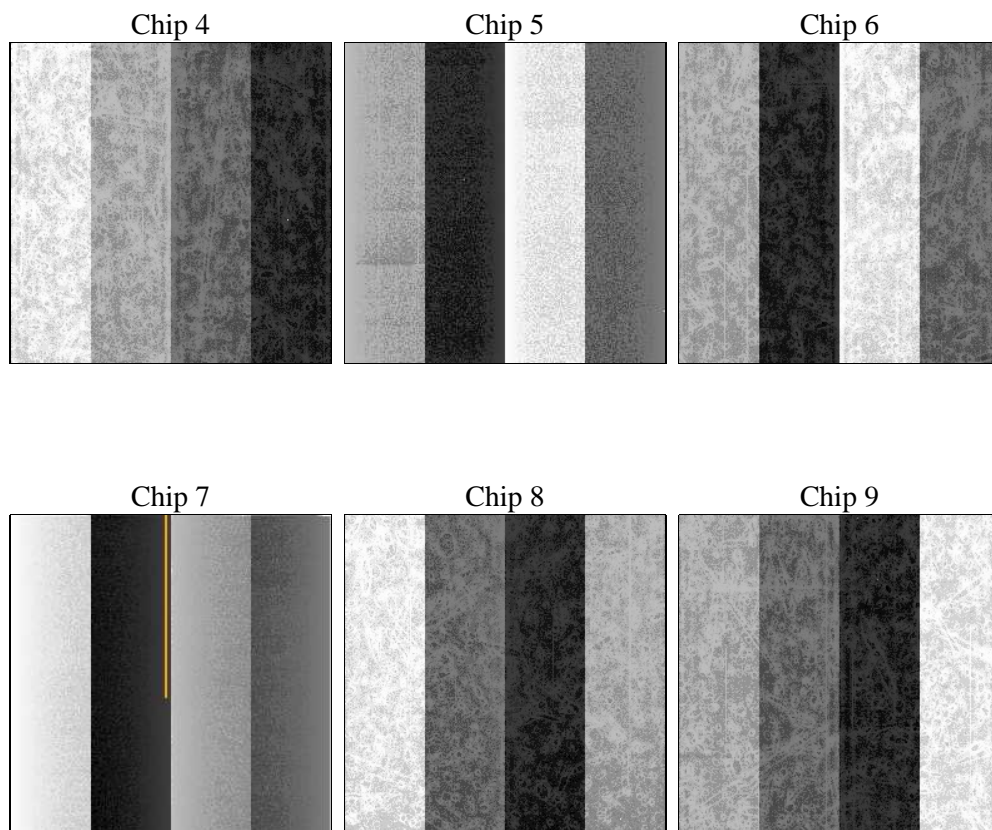
2 OBI

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	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8050.0416151285	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8049.9184951186	Sum of GTIs [s]
date	2012-07-03T09:34:27	Date and time of file creation	ontime5	8050.0005751252	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8049.9595351219	Sum of GTIs [s]
			ontime7	8050.0416151285	Sum of GTIs [s]
			ontime8	8049.8774551153	Sum of GTIs [s]
			ontime9	8050.0826551318	Sum of GTIs [s]
			l1events	868303	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	130880	166452	131711	159239	149444	130577	grade 0 events	34265	13944	31771	16521	35748	31653
rejected events	72675	71289	71938	67128	77634	72269		26%	8%	24%	10%	23%	24%
rejected %	55%	42%	54%	42%	51%	55%	grade 1 events	306	211	179	139	225	225
								0%	0%	0%	0%	0%	0%
							grade 2 events	9479	34390	11223	20418	14297	10678
								7%	20%	8%	12%	9%	8%
							grade 3 events	4087	4392	4035	8829	5444	4036
								3%	2%	3%	5%	3%	3%
							grade 4 events	4179	4296	4018	8718	5212	4006
								3%	2%	3%	5%	3%	3%
							grade 5 events	4070	8959	4218	10634	5553	4650
								3%	5%	3%	6%	3%	3%
							grade 6 events	7855	40918	10428	40242	13213	9635
								6%	24%	7%	25%	8%	7%
							grade 7 events	66639	59342	65839	53738	69752	65694
								50%	35%	49%	33%	46%	50%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	356.0225986190902
[deg] Pointing Dec	0	-27.47937188339409
[deg] Pointing Roll	0.0	12.8418312855511
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	400727984.871053	400727984.871053
Observation start date	2010-09-13T01:19:45	2010-09-13T01:19:44
[s] Observation end time (MET)	400737532.387404	400737532.387404
Observation end date	2010-09-13T03:58:52	2010-09-13T03:58:52
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0500416151285

A.2 Comments