

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53854 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 17 2013

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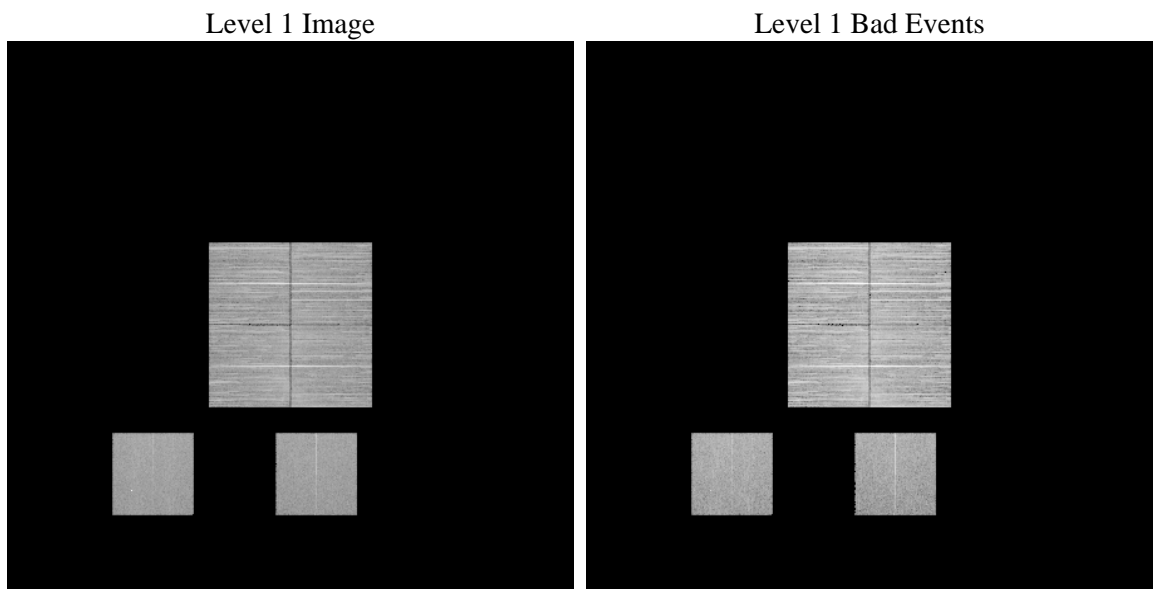
1 Front

seq_num	 	Sequence number
obs_id	53854	Observation id
title	ACIS-012357 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	171.0292518538	Nominal RA [deg]
dec_nom	-22.989911430359	Nominal Dec [deg]
roll_nom	347.78064640522	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime0	8281.5999692082	Sum of GTIs [s]
ontime1	8281.5999692082	Sum of GTIs [s]
ontime2	8281.5999692082	Sum of GTIs [s]
ontime3	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
l2events	251681	Number of level 2 events

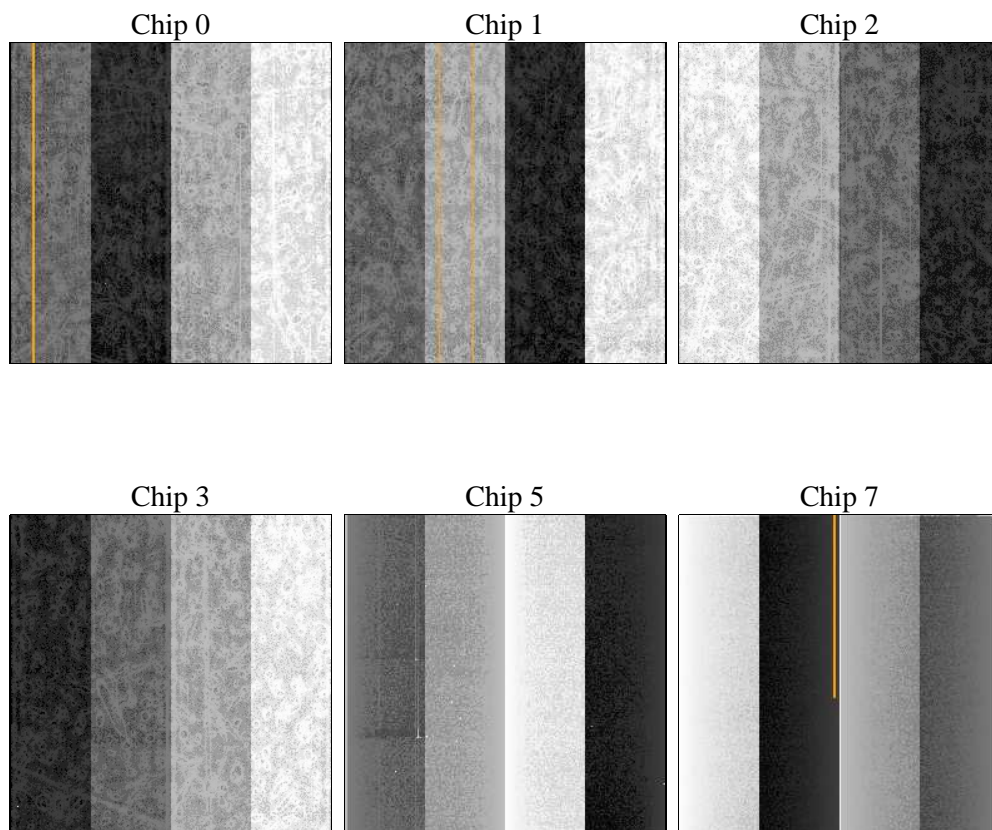
2 OBI

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	8.5.1.1	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8281.5999692082	Sum of GTIs [s]
date	2013-03-17T03:59:27	Date and time of file creation	ontime1	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8281.5999692082	Sum of GTIs [s]
			ontime3	8281.5999692082	Sum of GTIs [s]
			ontime5	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			l1events	949013	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	171466	167996	170164	165509	140296	133582	grade 0 events	16910	15628	17898	17731	5292	8524
rejected events	136759	133419	135085	130351	76554	72202		9%	9%	10%	10%	3%	6%
rejected %	79%	79%	79%	78%	54%	54%	grade 1 events	87	72	99	97	147	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	7742	8712	7268	7239	24041	15321
								4%	5%	4%	4%	17%	11%
							grade 3 events	2218	2039	2272	2282	2130	4794
								1%	1%	1%	1%	1%	3%
							grade 4 events	2228	2104	2318	2326	2085	4605
								1%	1%	1%	1%	1%	3%
							grade 5 events	2796	2784	2617	3231	5674	7297
								1%	1%	1%	1%	4%	5%
							grade 6 events	5622	6112	5340	5591	30232	28157
								3%	3%	3%	3%	21%	21%
							grade 7 events	133863	130545	132352	127012	70695	64778
								78%	77%	77%	76%	50%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	171.0292518537963	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-22.98991143035939	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	347.780646405222	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	479819369.526195	479819368.50119			
Observation start date	2013-03-16T11:09:30	2013-03-16T11:09:28			
[s] Observation end time (MET)	479829551.876745	479829550.85174			
Observation end date	2013-03-16T13:59:12	2013-03-16T13:59:10			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments