

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52514 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 27 2014

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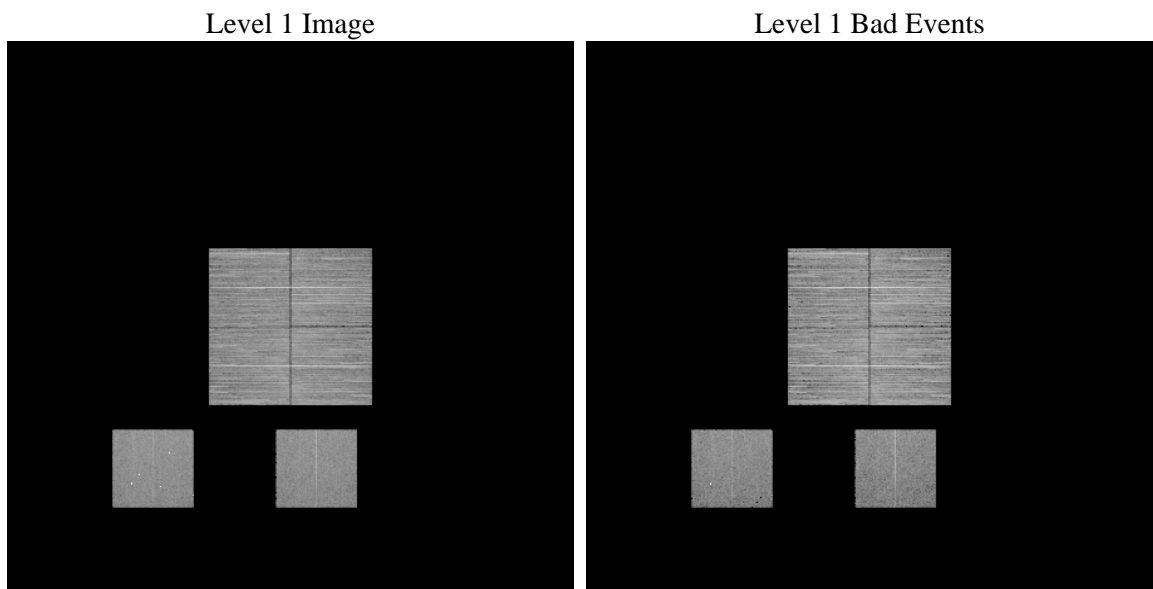
1 Front

seq_num	 	Sequence number
obs_id	52514	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	338.72739439459	Nominal RA [deg]
dec_nom	-35.581594335132	Nominal Dec [deg]
roll_nom	6.8364267965189	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.0050191283	Sum of GTIs [s]
livetime	8182.0699717408	Livetime [s]
ontime0	8186.4906944633	Sum of GTIs [s]
ontime1	8186.44965446	Sum of GTIs [s]
ontime2	8166.962354064	Sum of GTIs [s]
ontime3	8183.3317344785	Sum of GTIs [s]
ontime5	8286.8408591151	Sum of GTIs [s]
ontime7	8287.0050191283	Sum of GTIs [s]
l2events	196717	Number of level 2 events

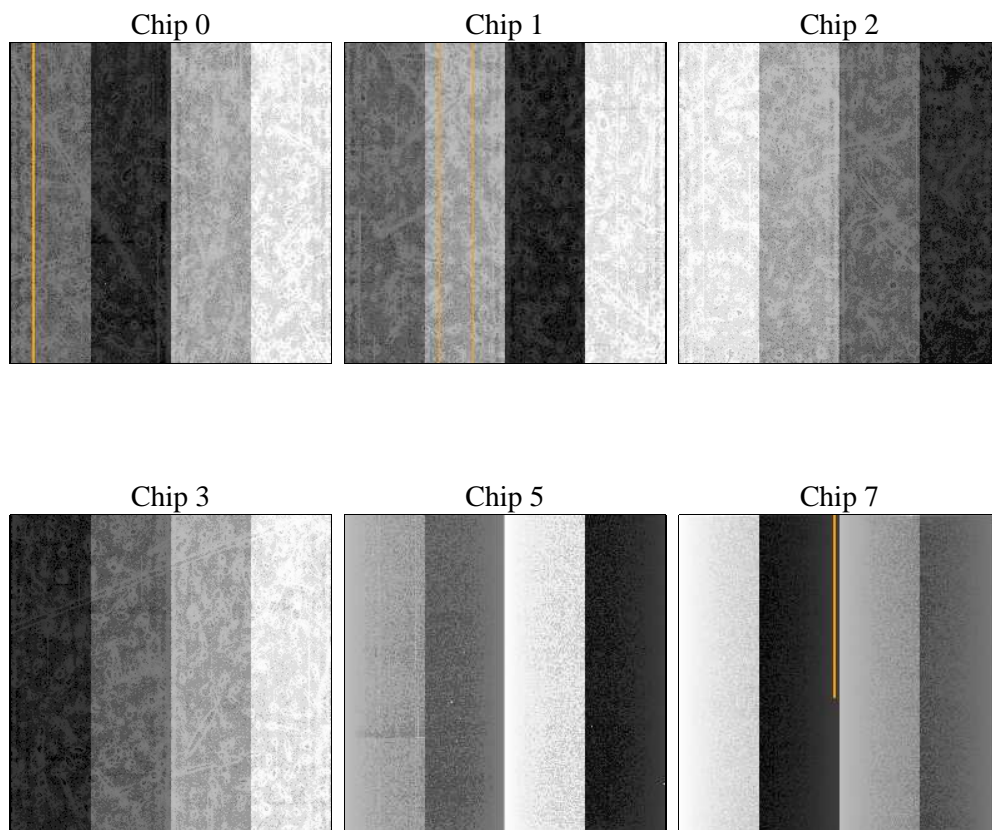
2 OBI

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	10.2.4	Processing system revision	ontime	8287.0050191283	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	8186.4906944633	Sum of GTIs [s]
date	2014-08-28T03:07:38	Date and time of file creation	ontime1	8186.44965446	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8166.962354064	Sum of GTIs [s]
			ontime3	8183.3317344785	Sum of GTIs [s]
			ontime5	8286.8408591151	Sum of GTIs [s]
			ontime7	8287.0050191283	Sum of GTIs [s]
			l1events	845426	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	138380	147404	149861	154555	132964	122262	grade 0 events	12281	11939	12588	12638	8175	6836
rejected events	113458	122075	125025	129509	73913	69928		8%	8%	8%	8%	6%	5%
rejected %	81%	82%	83%	83%	55%	57%	grade 1 events	66	56	66	89	182	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	5118	5622	4900	4934	20835	13136
								3%	3%	3%	3%	15%	10%
							grade 3 events	1804	1695	1750	1754	1691	4052
								1%	1%	1%	1%	1%	3%
							grade 4 events	1619	1688	1807	1799	1663	4011
								1%	1%	1%	1%	1%	3%
							grade 5 events	2883	2978	2717	3267	5853	7539
								2%	2%	1%	2%	4%	6%
							grade 6 events	4100	4385	3791	3921	26687	24299
								2%	2%	2%	2%	20%	19%
							grade 7 events	110509	119041	122242	126153	67878	62306
								79%	80%	81%	81%	51%	50%

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	338.7273943945874	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-35.58159433513231	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	6.83642679651885	[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)	525524657.081349	525524656.05635			
Observation start date	2014-08-27T11:04:17	2014-08-27T11:04:16			
[s] Observation end time (MET)	525534656.981904	525534655.9569			
Observation end date	2014-08-27T13:50:57	2014-08-27T13:50:55			
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)	2014.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2870050191283

A.2 Comments

Switch to format 4 for grating removal at 239:13:37:19.7, lasting over 4 minutes.

This time period is not included in the GTI for the FI chips, but appears to be included for the BI chips.