

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54614 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 16 2012

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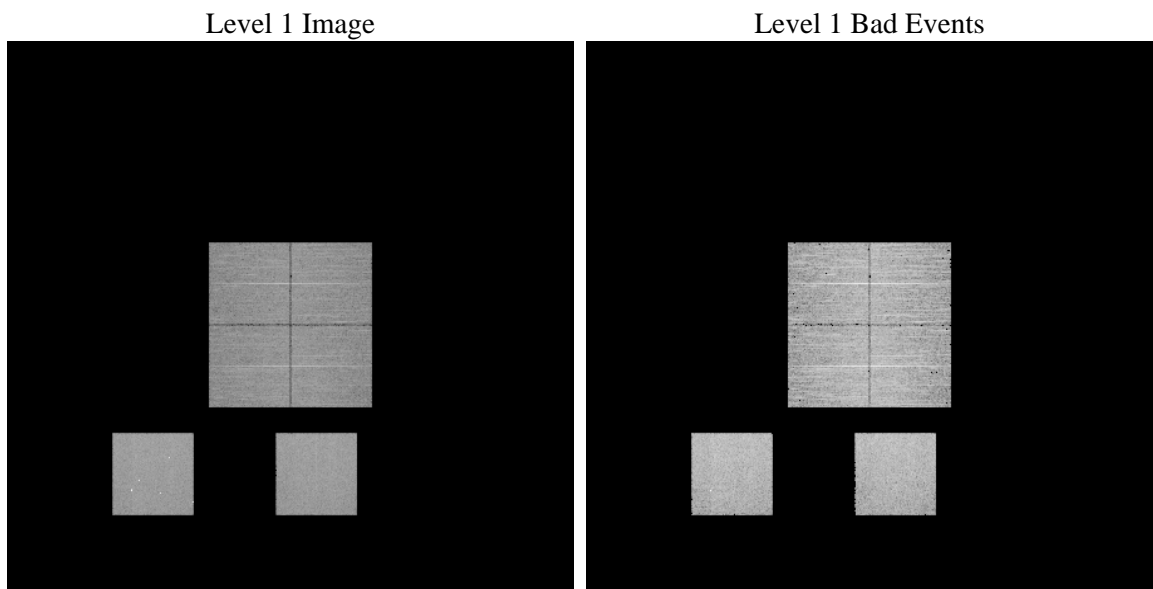
1 Front

seq_num	 	Sequence number
obs_id	54614	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	253.97794637361	Nominal RA [deg]
dec_nom	4.0077400225082	Nominal Dec [deg]
roll_nom	138.89187355616	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8282.5043507218	Sum of GTIs [s]
livetime	8177.6262935076	Livetime [s]
ontime0	8282.5453808904	Sum of GTIs [s]
ontime1	8284.7999691963	Sum of GTIs [s]
ontime2	8284.7999691963	Sum of GTIs [s]
ontime3	8282.4633107185	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8282.5043507218	Sum of GTIs [s]
l2events	288974	Number of level 2 events

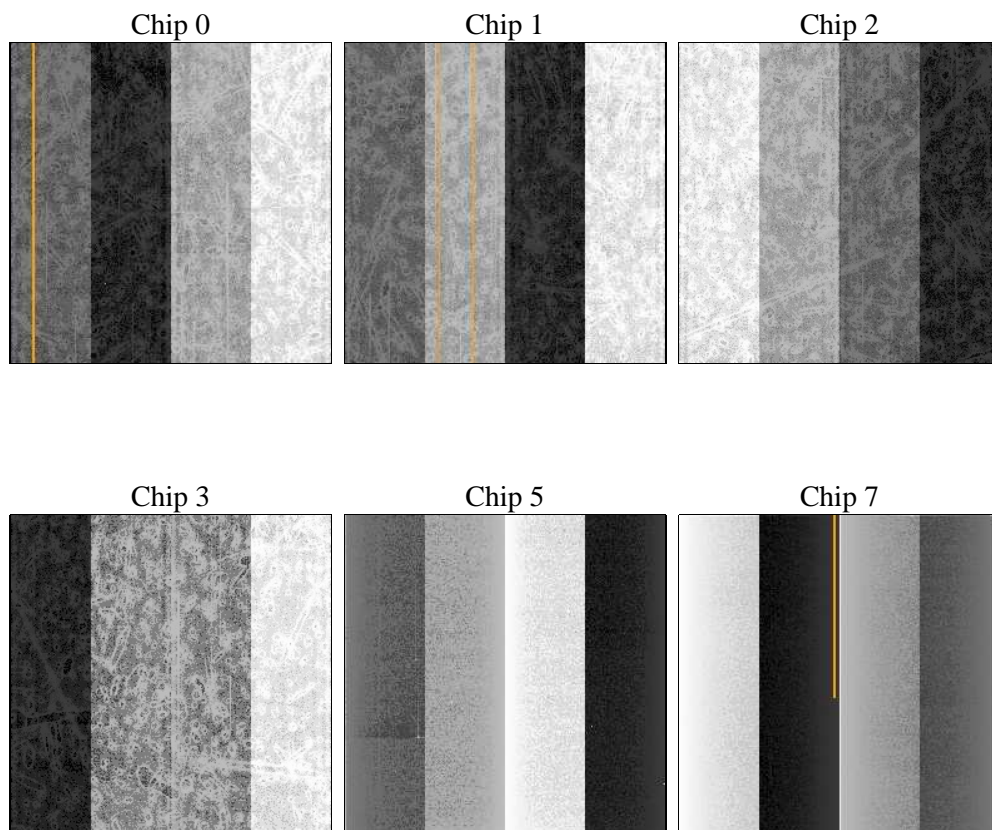
2 OBI

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	8.4.4	Processing system revision	ontime	8282.5043507218	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8282.5453808904	Sum of GTIs [s]
date	2012-05-17T01:02:17	Date and time of file creation	ontime1	8284.7999691963	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.7999691963	Sum of GTIs [s]
			ontime3	8282.4633107185	Sum of GTIs [s]
			ontime5	8284.7999691963	Sum of GTIs [s]
			ontime7	8282.5043507218	Sum of GTIs [s]
			l1events	619875	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	87543	90533	91270	92528	132572	125429	grade 0 events	20891	20652	21731	21657	9813	11271
rejected events	47331	49757	50594	51887	57874	56355		23%	22%	23%	23%	7%	8%
rejected %	54%	54%	55%	56%	43%	44%	grade 1 events	119	106	165	144	178	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	7639	8067	7190	7184	26447	14784
								8%	8%	7%	7%	19%	11%
							grade 3 events	2690	2650	2857	2881	2824	6290
								3%	2%	3%	3%	2%	5%
							grade 4 events	2761	2755	2841	2904	2805	5996
								3%	3%	3%	3%	2%	4%
							grade 5 events	3215	3358	3130	3576	7050	8986
								3%	3%	3%	3%	5%	7%
							grade 6 events	6231	6652	6057	6015	32809	30733
								7%	7%	6%	6%	24%	24%
							grade 7 events	43997	46293	47299	48167	50646	47273
								50%	51%	51%	52%	38%	37%

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	253.9779463736085	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	4.007740022508216	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	138.8918735561573	[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)	453511635.093308	453511634.06831			
Observation start date	2012-05-15T23:27:15	2012-05-15T23:27:14			
[s] Observation end time (MET)	453528473.794204	453528472.7692			
Observation end date	2012-05-16T04:07:54	2012-05-16T04:07:52			
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)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2825043507218

A.2 Comments