

V&V Reference Report

L2 ASCDS Version : 10.1

Observation 53278 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 27 2013

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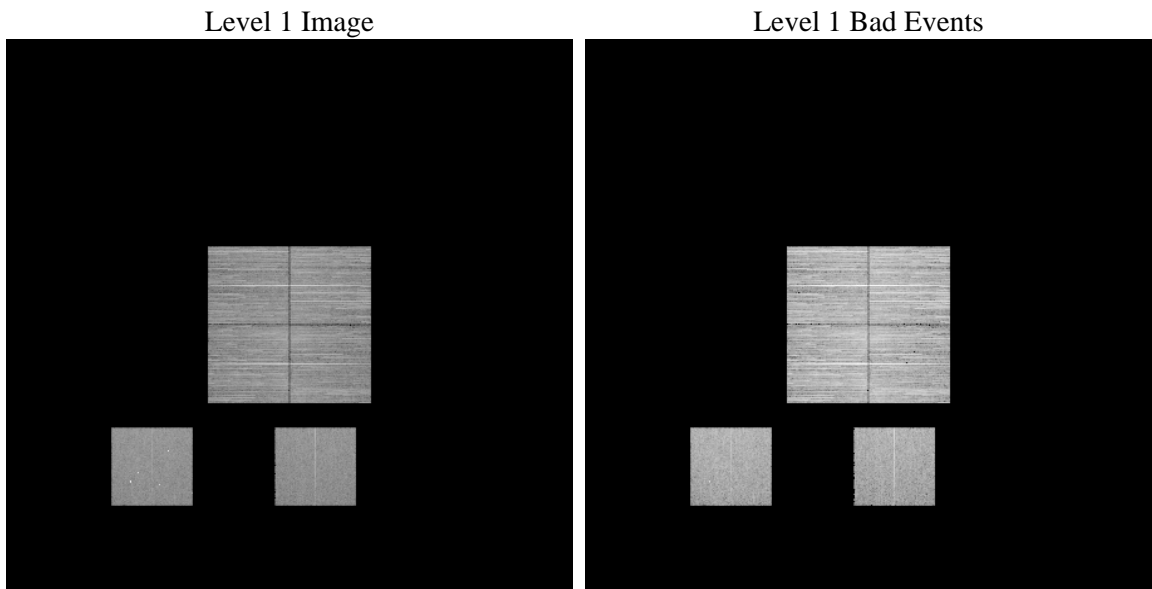
1 Front

seq_num	 	Sequence number
obs_id	53278	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	180.99218358938	Nominal RA [deg]
dec_nom	-5.9840388187492	Nominal Dec [deg]
roll_nom	109.96719039463	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8050.0193158984	Sum of GTIs [s]
livetime	7948.0851241808	Livetime [s]
ontime0	8049.9782758951	Sum of GTIs [s]
ontime1	8049.9372358918	Sum of GTIs [s]
ontime2	8049.8961958885	Sum of GTIs [s]
ontime3	8050.0603559017	Sum of GTIs [s]
ontime5	8049.8551558852	Sum of GTIs [s]
ontime7	8050.0193158984	Sum of GTIs [s]
l2events	218097	Number of level 2 events

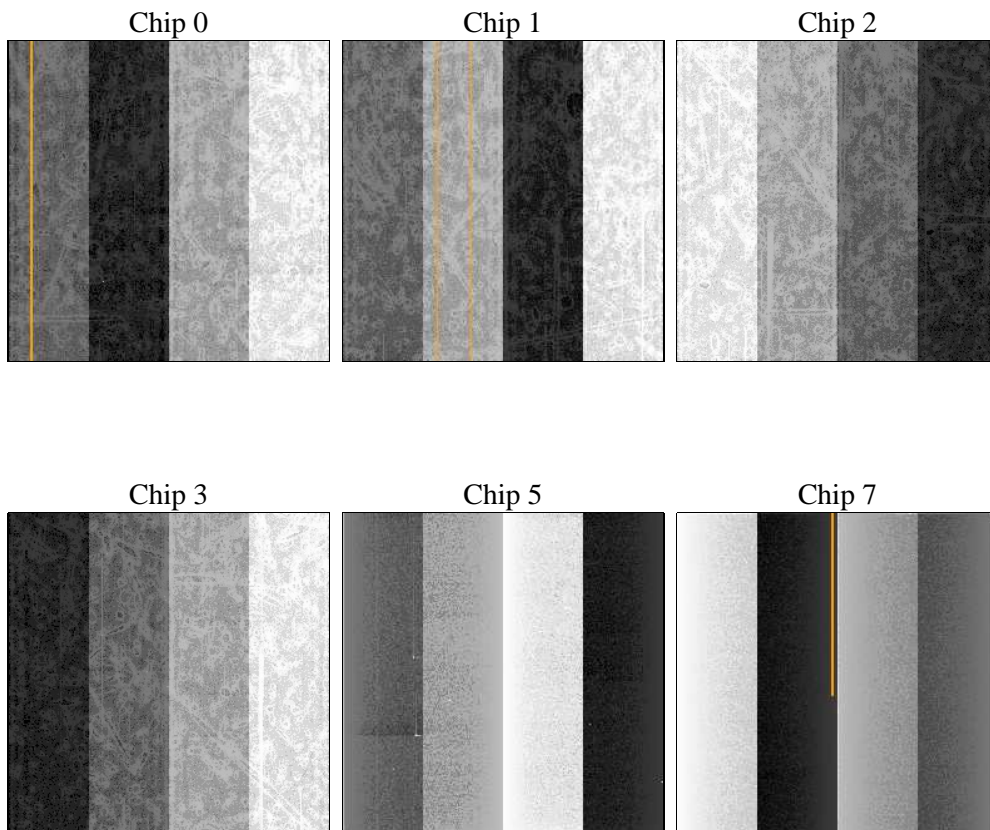
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.1	Processing system revision	ontime	8050.0193158984	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	8049.9782758951	Sum of GTIs [s]
date	2013-10-27T19:47:47	Date and time of file creation	ontime1	8049.9372358918	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8049.8961958885	Sum of GTIs [s]
			ontime3	8050.0603559017	Sum of GTIs [s]
			ontime5	8049.8551558852	Sum of GTIs [s]
			ontime7	8050.0193158984	Sum of GTIs [s]
			l1events	838051	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	141769	158633	144677	136159	133353	123460	grade 0 events	15024	14732	15612	15294	8203	8095
rejected events	112987	129139	115693	107256	71617	68551		10%	9%	10%	11%	6%	6%
rejected %	79%	81%	79%	78%	53%	55%	grade 1 events	79	67	89	93	145	90
								0%	0%	0%	0%	0%	0%
							grade 2 events	5960	6356	5728	5690	23767	13776
								4%	4%	3%	4%	17%	11%
							grade 3 events	2047	2071	2027	2085	2337	4640
								1%	1%	1%	1%	1%	3%
							grade 4 events	1961	2127	2025	2141	2313	4792
								1%	1%	1%	1%	1%	3%
							grade 5 events	2950	2890	2717	3142	6241	7648
								2%	1%	1%	2%	4%	6%
							grade 6 events	4664	5128	4466	4599	26968	25210
								3%	3%	3%	3%	20%	20%
							grade 7 events	109084	125262	112013	103115	63379	59209
								76%	78%	77%	75%	47%	47%

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	OVERRIDE	OVERRIDE
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	180.9921835893779	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-5.98403881874919	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	109.9671903946319	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	499208391.530723	499208391.530723			
Observation start date	2013-10-26T20:59:52	2013-10-26T20:59:51			
[s] Observation end time (MET)	499217939.129676	499217939.129676			
Observation end date	2013-10-26T23:38:59	2013-10-26T23:38:59			
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)	2013.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0500193158984

A.2 Comments