

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53128 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 29 2013

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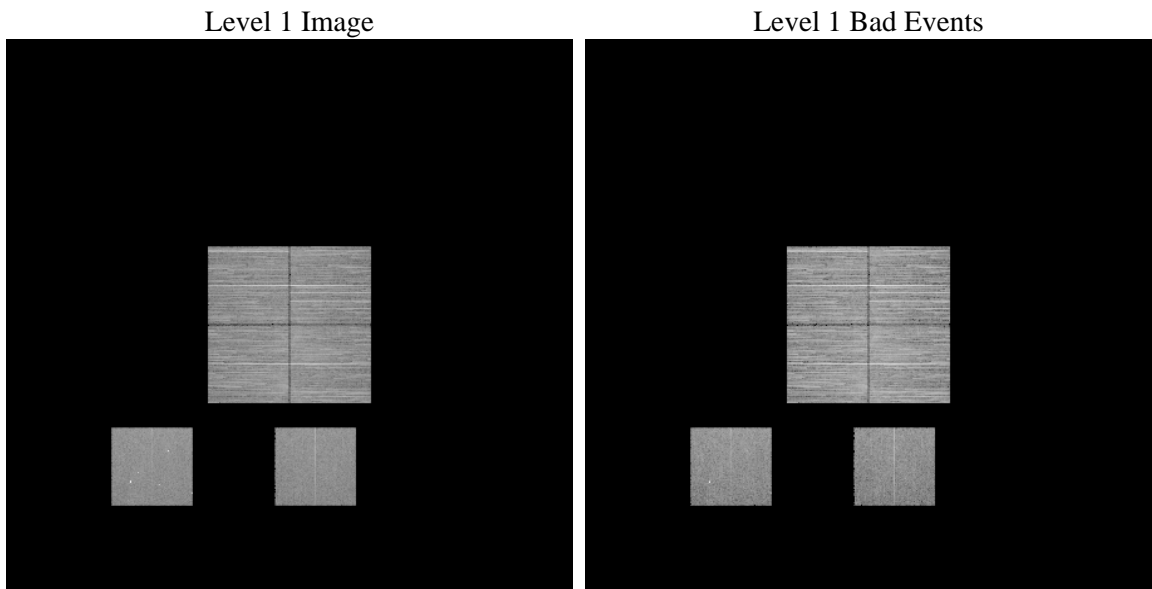
1 Front

seq_num	 	Sequence number
obs_id	53128	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	112.35858211572	Nominal RA [deg]
dec_nom	-15.61603179972	Nominal Dec [deg]
roll_nom	14.064711893096	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8108.799969852	Sum of GTIs [s]
livetime	8006.1214621005	Livetime [s]
ontime0	8108.799969852	Sum of GTIs [s]
ontime1	8108.799969852	Sum of GTIs [s]
ontime2	8108.799969852	Sum of GTIs [s]
ontime3	8108.799969852	Sum of GTIs [s]
ontime5	8108.799969852	Sum of GTIs [s]
ontime7	8108.799969852	Sum of GTIs [s]
l2events	211501	Number of level 2 events

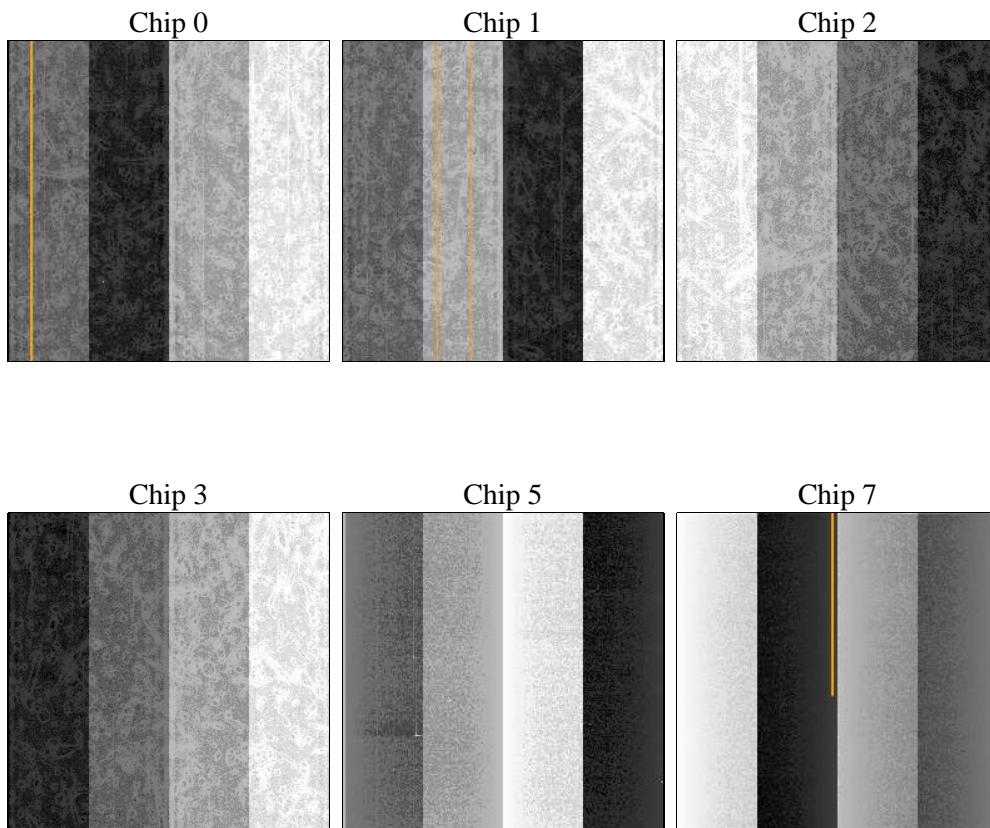
2 OBI

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	10.1.1	Processing system revision	ontime	8108.799969852	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8108.799969852	Sum of GTIs [s]
date	2013-12-29T18:25:31	Date and time of file creation	ontime1	8108.799969852	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8108.799969852	Sum of GTIs [s]
			ontime3	8108.799969852	Sum of GTIs [s]
			ontime5	8108.799969852	Sum of GTIs [s]
			ontime7	8108.799969852	Sum of GTIs [s]
			l1events	835282	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	143580	142823	145653	149761	131238	122227	grade 0 events	14509	14111	14658	14991	7237	7864
rejected events	115707	114473	117891	121553	72647	68187		10%	9%	10%	10%	5%	6%
rejected %	80%	80%	80%	81%	55%	55%	grade 1 events	84	82	89	96	145	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5727	6103	5559	5441	22220	13443
								3%	4%	3%	3%	16%	10%
							grade 3 events	1951	2002	1993	2063	2136	4609
								1%	1%	1%	1%	1%	3%
							grade 4 events	1914	1964	1991	1975	2083	4623
								1%	1%	1%	1%	1%	3%
							grade 5 events	2850	2960	2732	3215	6177	7659
								1%	2%	1%	2%	4%	6%
							grade 6 events	4428	4845	4260	4407	26226	24705
								3%	3%	2%	2%	19%	20%
							grade 7 events	112117	110756	114371	117573	65014	59235
								78%	77%	78%	78%	49%	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	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	112.3585821157222	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.61603179972	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	14.0647118930959	[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)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	504694800.681545	504694800.681545			
Observation start date	2013-12-29T09:00:01	2013-12-29T09:00:00			
[s] Observation end time (MET)	504704884.360169	504704884.360169			
Observation end date	2013-12-29T11:48:04	2013-12-29T11:48:04			
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)	2013.12.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.108799969852

A.2 Comments