

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52235 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 22 2014

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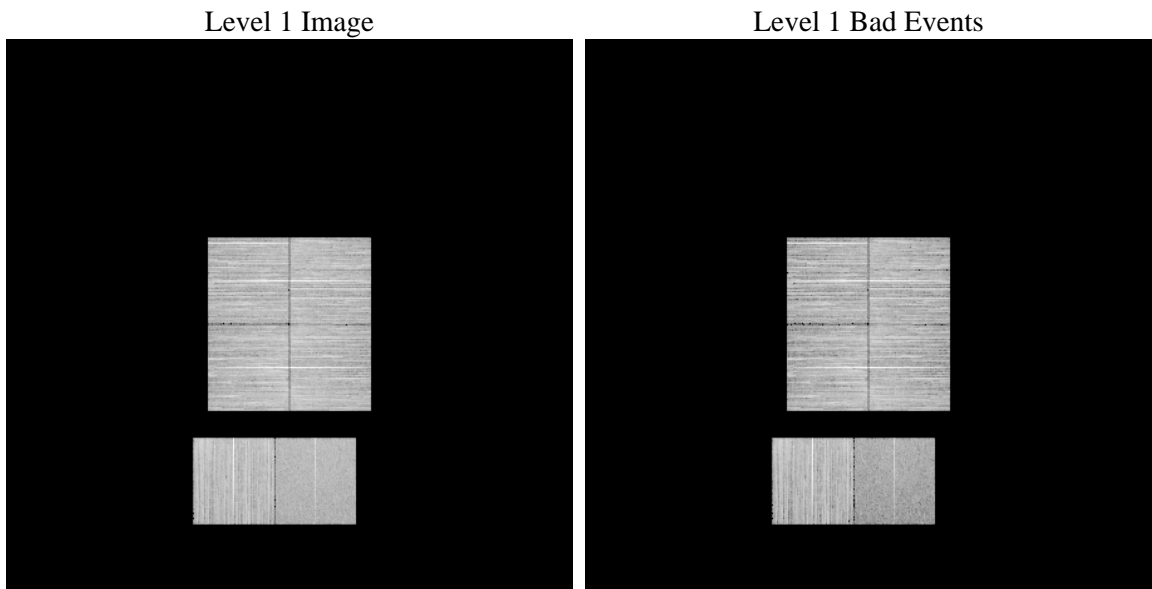
1 Front

seq_num	 	Sequence number
obs_id	52235	Observation id
title	ACIS-012367 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	89.204921514972	Nominal RA [deg]
dec_nom	15.334678978727	Nominal Dec [deg]
roll_nom	229.65214834153	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8409.5999687314	Sum of GTIs [s]
livetime	8303.1125502742	Livetime [s]
ontime0	8409.5999687314	Sum of GTIs [s]
ontime1	8409.5999687314	Sum of GTIs [s]
ontime2	8409.5999687314	Sum of GTIs [s]
ontime3	8409.5999687314	Sum of GTIs [s]
ontime6	8409.5999687314	Sum of GTIs [s]
ontime7	8409.5999687314	Sum of GTIs [s]
l2events	161938	Number of level 2 events

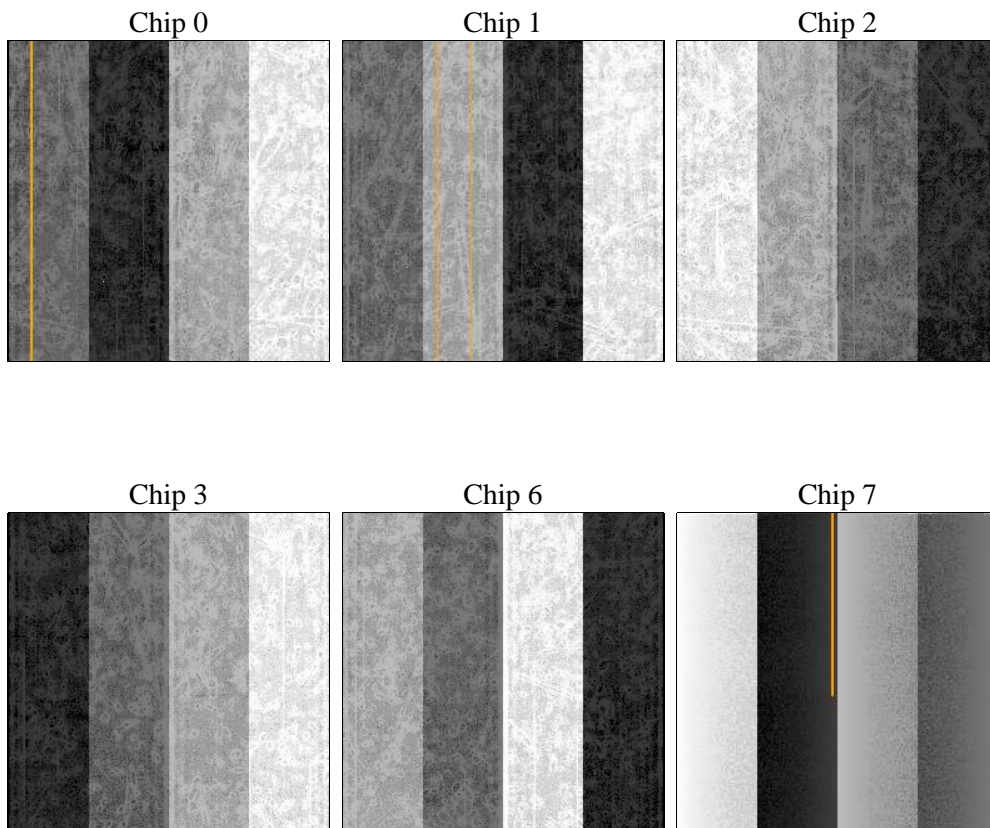
2 OBI

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	10.3.1	Processing system revision	ontime	8409.5999687314	Sum of GTIs [s]
caldsver	4.6.5	 	ontime0	8409.5999687314	Sum of GTIs [s]
date	2014-12-22T12:22:09	Date and time of file creation	ontime1	8409.5999687314	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8409.5999687314	Sum of GTIs [s]
			ontime3	8409.5999687314	Sum of GTIs [s]
			ontime6	8409.5999687314	Sum of GTIs [s]
			ontime7	8409.5999687314	Sum of GTIs [s]
			l1events	914623	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	154841	160299	157768	157304	163899	120512	grade 0 events	11494	10410	11769	12208	10579	5844
rejected events	130657	136018	133799	132794	138735	70785		7%	6%	7%	7%	6%	4%
rejected %	84%	84%	84%	84%	84%	58%	grade 1 events	54	47	72	77	64	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	5596	6581	5165	5129	6984	12654
								3%	4%	3%	3%	4%	10%
							grade 3 events	1658	1488	1697	1679	1463	3477
								1%	0%	1%	1%	0%	2%
							grade 4 events	1537	1468	1648	1695	1445	3425
								0%	0%	1%	1%	0%	2%
							grade 5 events	2793	2670	2642	3005	2735	6906
								1%	1%	1%	1%	1%	5%
							grade 6 events	4048	4525	3862	3953	4853	24662
								2%	2%	2%	2%	2%	20%
							grade 7 events	127661	133110	130913	129558	135776	63459
								82%	83%	82%	82%	82%	52%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	89.20492151497193
[deg] Pointing Dec	0	15.33467897872666
[deg] Pointing Roll	0.0	229.6521483415346
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)	535577361.54039	535577361.54039
Observation start date	2014-12-21T19:29:22	2014-12-21T19:29:21
[s] Observation end time (MET)	535587360.033398	535587360.033398
Observation end date	2014-12-21T22:16:00	2014-12-21T22:16:00
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4095999687314

A.2 Comments