

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51431 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 8 2015

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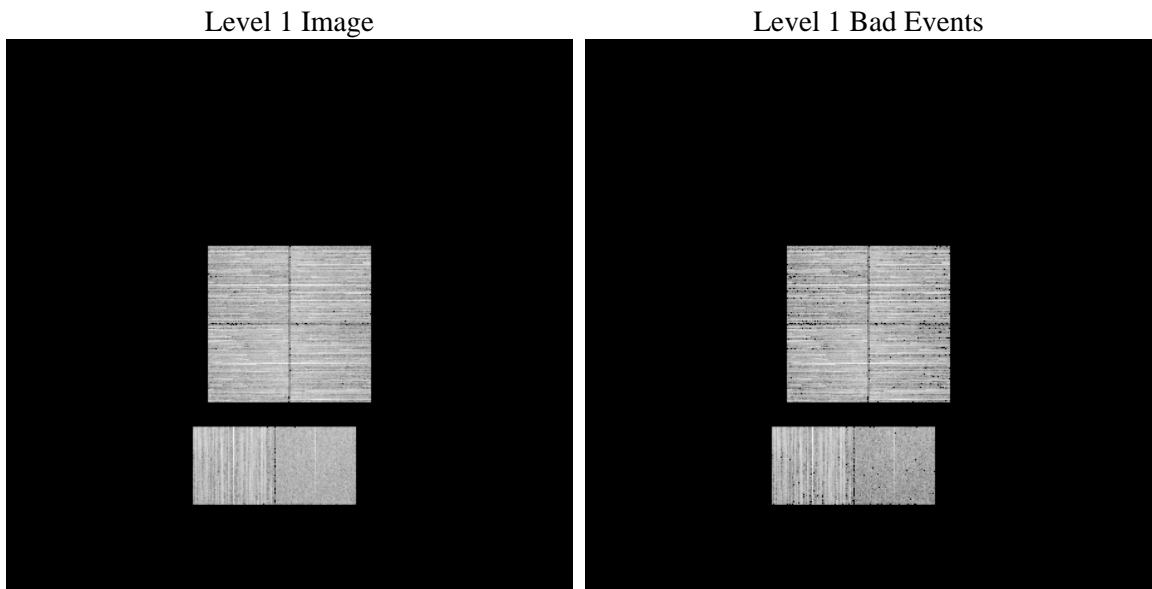
1 Front

seq_num	 	Sequence number
obs_id	51431	Observation id
title	ACIS-012367 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	96.953129709138	Nominal RA [deg]
dec_nom	39.801200850609	Nominal Dec [deg]
roll_nom	125.49661530893	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3680.0000548363	Sum of GTIs [s]
livetime	3633.4016783119	Livetime [s]
ontime0	3680.0000548363	Sum of GTIs [s]
ontime1	3680.0000548363	Sum of GTIs [s]
ontime2	3680.0000548363	Sum of GTIs [s]
ontime3	3680.0000548363	Sum of GTIs [s]
ontime6	3680.0000548363	Sum of GTIs [s]
ontime7	3680.0000548363	Sum of GTIs [s]
l2events	76405	Number of level 2 events

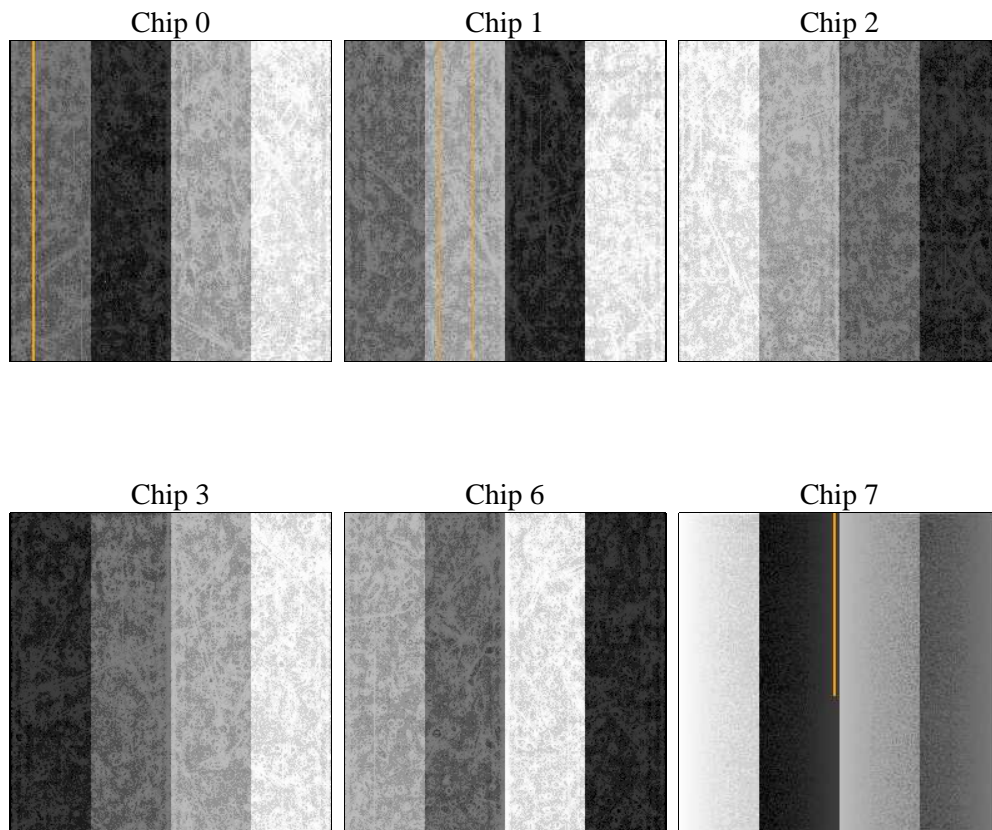
2 OBI

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	10.4.2.1	Processing system revision	ontime	3680.0000548363	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime0	3680.0000548363	Sum of GTIs [s]
date	2015-12-09T01:39:32	Date and time of file creation	ontime1	3680.0000548363	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3680.0000548363	Sum of GTIs [s]
			ontime3	3680.0000548363	Sum of GTIs [s]
			ontime6	3680.0000548363	Sum of GTIs [s]
			ontime7	3680.0000548363	Sum of GTIs [s]
			l1events	452367	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	71933	82632	82245	75795	81607	58155
rejected events	60637	70994	70852	64176	69716	34929
rejected %	84%	85%	86%	84%	85%	60%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5173	4792	5592	5610	4901	2732
	7%	5%	6%	7%	6%	4%
grade 1 events	27	26	26	26	27	50
	0%	0%	0%	0%	0%	0%
grade 2 events	2708	3233	2392	2542	3221	6073
	3%	3%	2%	3%	3%	10%
grade 3 events	724	678	848	766	723	1654
	1%	0%	1%	1%	0%	2%
grade 4 events	732	770	752	778	626	1598
	1%	0%	0%	1%	0%	2%
grade 5 events	1292	1276	1232	1451	1345	3305
	1%	1%	1%	1%	1%	5%
grade 6 events	2120	2343	1983	2087	2596	11554
	2%	2%	2%	2%	3%	19%
grade 7 events	59157	69514	69420	62535	68168	31189
	82%	84%	84%	82%	83%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	96.9531297091382	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	39.80120085060937	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	125.4966153089332	[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)	565972371.687711	565972371.687711			
Observation start date	2015-12-08T14:32:52	2015-12-08T14:32:51			
[s] Observation end time (MET)	565977677.368211	565977677.368211			
Observation end date	2015-12-08T16:01:17	2015-12-08T16:01:17			
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)	2015.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.6800000548363

A.2 Comments