

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51509 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 14 2015

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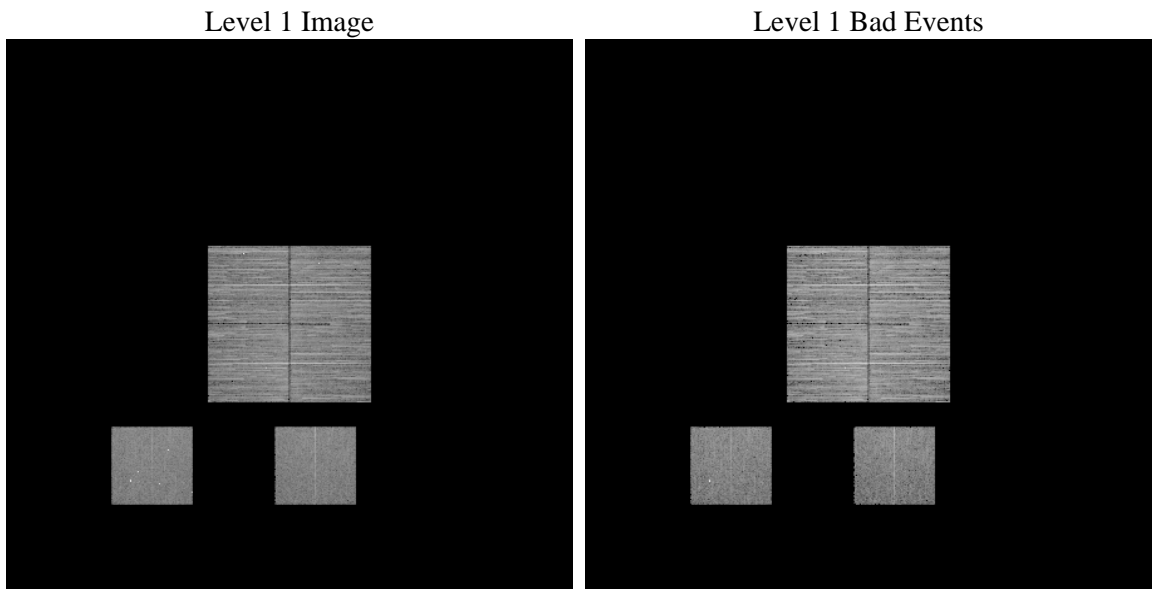
1 Front

seq_num	 	Sequence number
obs_id	51509	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	351.13005663027	Nominal RA [deg]
dec_nom	20.907572050533	Nominal Dec [deg]
roll_nom	267.43512238602	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5366.4000799656	Sum of GTIs [s]
livetime	5298.4474908949	Livetime [s]
ontime0	5366.3715770245	Sum of GTIs [s]
ontime1	5366.3305370808	Sum of GTIs [s]
ontime2	5363.0484266281	Sum of GTIs [s]
ontime3	5366.4000799656	Sum of GTIs [s]
ontime5	5366.2484570742	Sum of GTIs [s]
ontime7	5366.4000799656	Sum of GTIs [s]
l2events	111344	Number of level 2 events

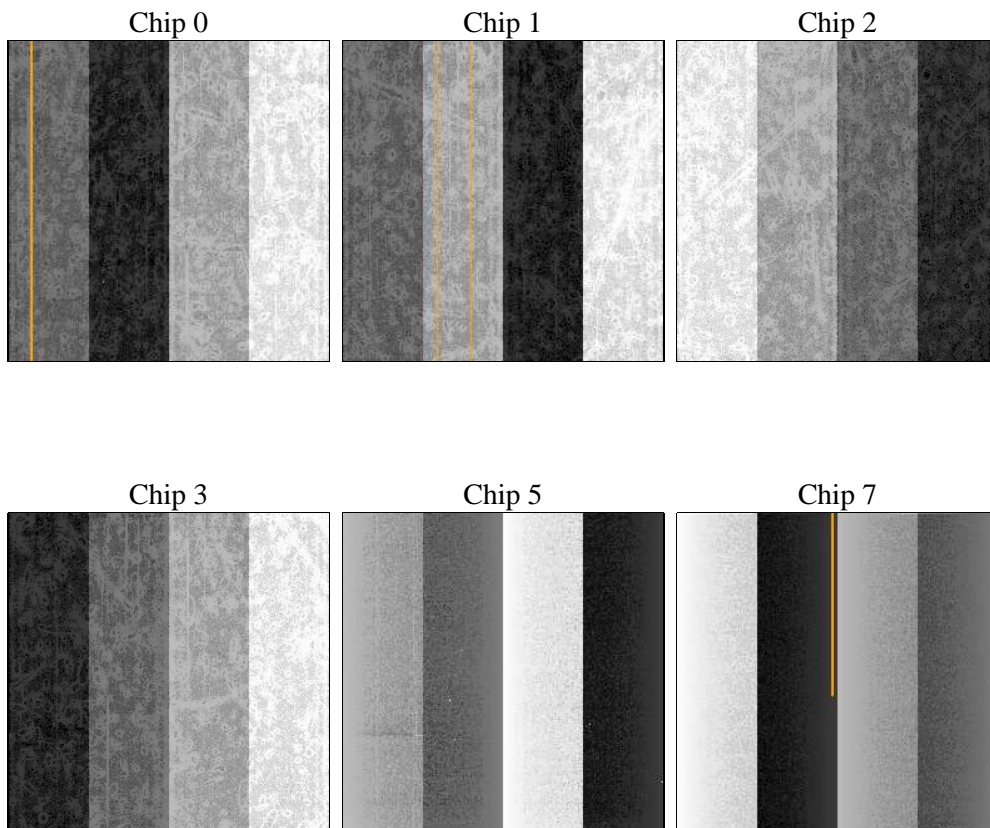
2 OBI

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	10.4.2.1	Processing system revision	ontime	5366.4000799656	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	5366.3715770245	Sum of GTIs [s]
date	2015-11-14T15:18:26	Date and time of file creation	ontime1	5366.3305370808	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5363.0484266281	Sum of GTIs [s]
			ontime3	5366.4000799656	Sum of GTIs [s]
			ontime5	5366.2484570742	Sum of GTIs [s]
			ontime7	5366.4000799656	Sum of GTIs [s]
			l1events	570865	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	101867	105142	102994	94944	86435	79483	grade 0 events	8250	6909	6778	6782	5095	3646
rejected events	86853	90878	89683	81540	50348	48857		8%	6%	6%	7%	5%	4%
rejected %	85%	86%	87%	85%	58%	61%	grade 1 events	47	43	46	54	106	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	2993	3382	2856	2879	12915	7790
								2%	3%	2%	3%	14%	9%
							grade 3 events	954	989	960	988	968	2383
								0%	0%	0%	1%	1%	2%
							grade 4 events	970	898	956	1022	1060	2349
								0%	0%	0%	1%	1%	2%
							grade 5 events	1907	1956	1862	2154	3892	4994
								1%	1%	1%	2%	4%	6%
							grade 6 events	2353	2555	2222	2192	17246	15484
								2%	2%	2%	2%	19%	19%
							grade 7 events	84393	88410	87314	78873	45153	42774
								82%	84%	84%	83%	52%	53%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	351.1300566302654
[deg] Pointing Dec	0	20.90757205053306
[deg] Pointing Roll	0.0	267.4351223860185
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	563876369.5689861	563876369.5689861
Observation start date	2015-11-14T08:19:30	2015-11-14T08:19:29
[s] Observation end time (MET)	563883187.020712	563883187.020712
Observation end date	2015-11-14T10:13:07	2015-11-14T10:13:07
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3664000799656

A.2 Comments