

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59747 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 18 2012

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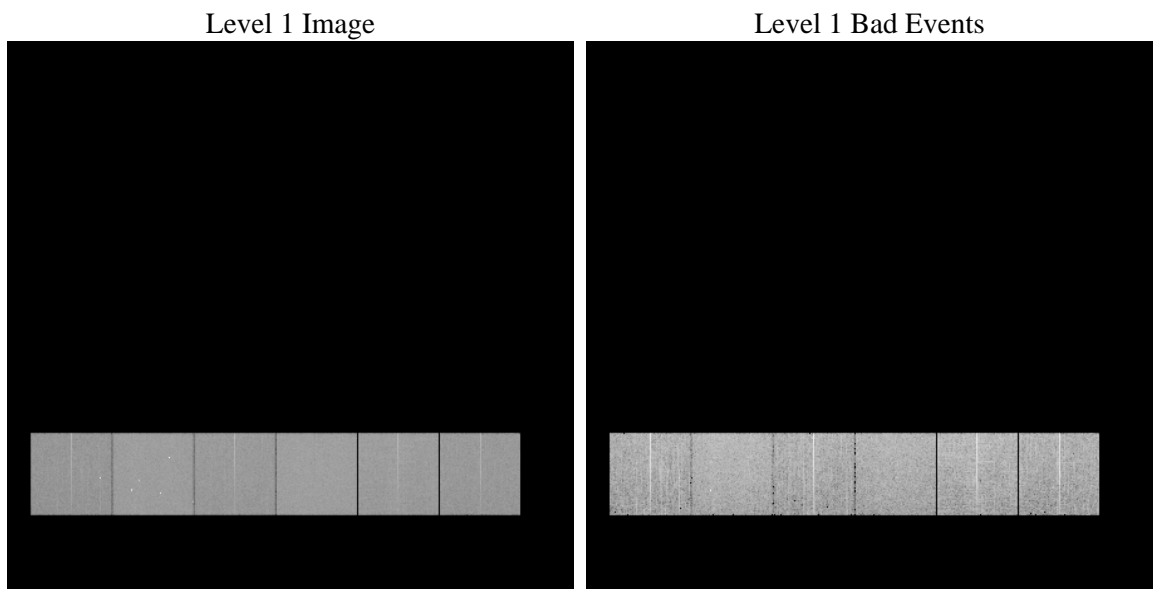
1 Front

seq_num	 	Sequence number
obs_id	59747	Observation id
title	ACIS-456789 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	177.81484114838	Nominal RA [deg]
dec_nom	13.007156336587	Nominal Dec [deg]
roll_nom	144.86065399837	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8169.5999695659	Sum of GTIs [s]
livetime	8066.1515756087	Livetime [s]
ontime4	6416.2318428755	Sum of GTIs [s]
ontime5	8169.5999695659	Sum of GTIs [s]
ontime6	7015.5004246831	Sum of GTIs [s]
ontime7	8169.5999695659	Sum of GTIs [s]
ontime8	7278.3315990567	Sum of GTIs [s]
ontime9	6925.065217942	Sum of GTIs [s]
l2events	1082373	Number of level 2 events

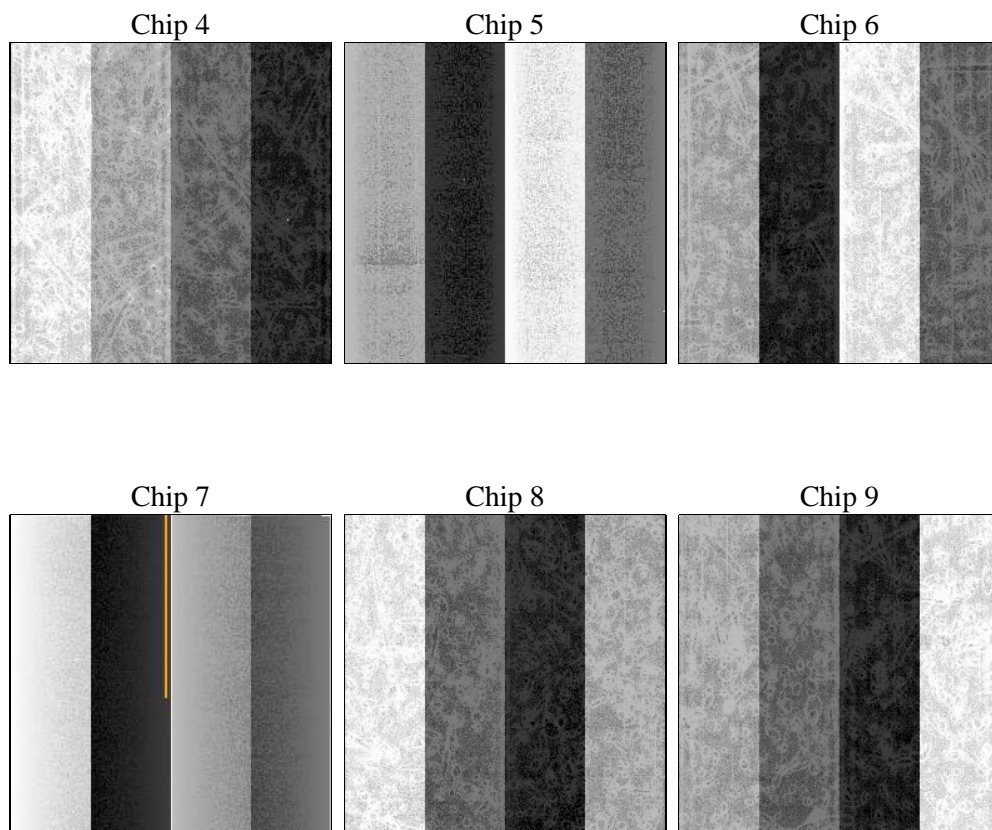
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	900	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	8169.5999695659	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	6416.2318428755	Sum of GTIs [s]
date	2012-12-18T10:23:59	Date and time of file creation	ontime5	8169.5999695659	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	7015.5004246831	Sum of GTIs [s]
			ontime7	8169.5999695659	Sum of GTIs [s]
			ontime8	7278.3315990567	Sum of GTIs [s]
			ontime9	6925.065217942	Sum of GTIs [s]
			l1events	1492212	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	211785	270934	237008	283312	260702	228471	grade 0 events	93054	47273	100602	55214	107883	97748
rejected events	54069	60525	53575	53787	62945	53596		43%	17%	42%	19%	41%	42%
rejected %	25%	22%	22%	18%	24%	23%	grade 1 events	795	227	521	173	546	600
								0%	0%	0%	0%	0%	0%
							grade 2 events	25221	76426	32350	50995	35601	30208
								11%	28%	13%	17%	13%	13%
							grade 3 events	10715	12206	11616	23189	13270	11183
								5%	4%	4%	8%	5%	4%
							grade 4 events	10615	11830	11786	22903	13178	11448
								5%	4%	4%	8%	5%	5%
							grade 5 events	2996	9029	3416	9139	4273	3637
								1%	3%	1%	3%	1%	1%
							grade 6 events	20226	65467	29425	80357	30347	26463
								9%	24%	12%	28%	11%	11%
							grade 7 events	48163	48476	47292	41342	55604	47184
								22%	17%	19%	14%	21%	20%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	177.8147466948821	177.8148411483794
[deg] Pointing Dec	13.00727841719749	13.00715633658706
[deg] Pointing Roll	144.8615704678287	144.8606539983692
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	226906273.457345	226906273.457345
Observation start date	2005-03-11T05:39:00	2005-03-11T05:31:13
[s] Observation end time (MET)	226915309.636474	226915309.636474
Observation end date	2005-03-11T05:54:00	2005-03-11T08:01:49
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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1695999695659

A.2 Comments