

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56047 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

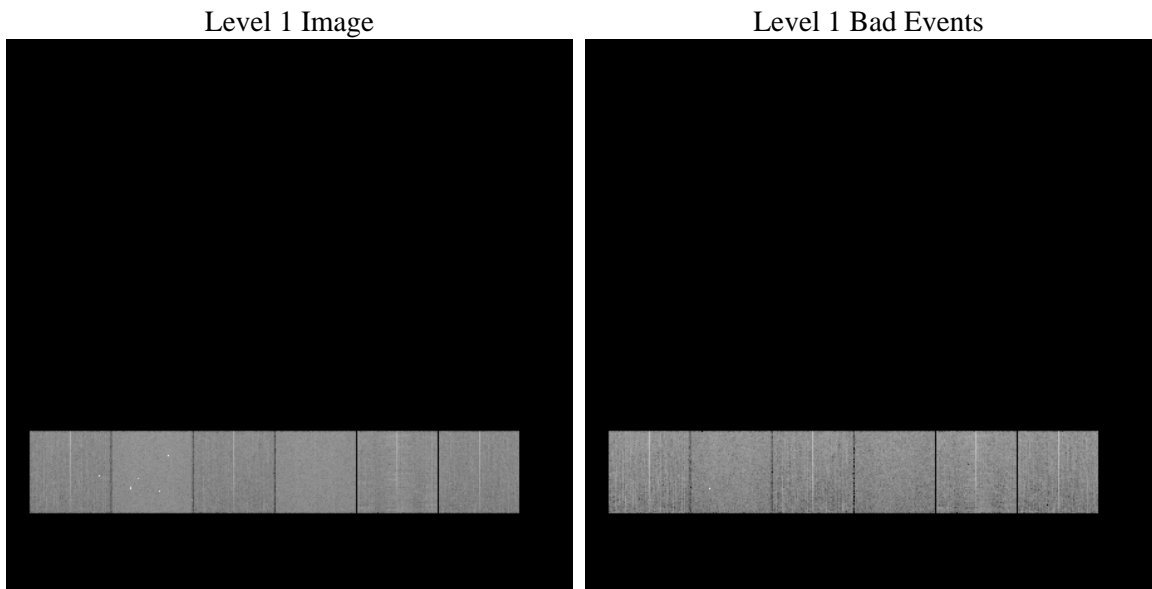
1 Front

seq_num	 	Sequence number
obs_id	56047	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	328.99287497924	Nominal RA [deg]
dec_nom	5.4722570137455	Nominal Dec [deg]
roll_nom	222.75153315399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8248.1817123294	Sum of GTIs [s]
livetime	8143.7382690291	Livetime [s]
ontime4	8248.0585923195	Sum of GTIs [s]
ontime5	8248.1406723261	Sum of GTIs [s]
ontime6	8248.0996323228	Sum of GTIs [s]
ontime7	8248.1817123294	Sum of GTIs [s]
ontime8	8248.0175523162	Sum of GTIs [s]
ontime9	8248.2227523327	Sum of GTIs [s]
l2events	406498	Number of level 2 events

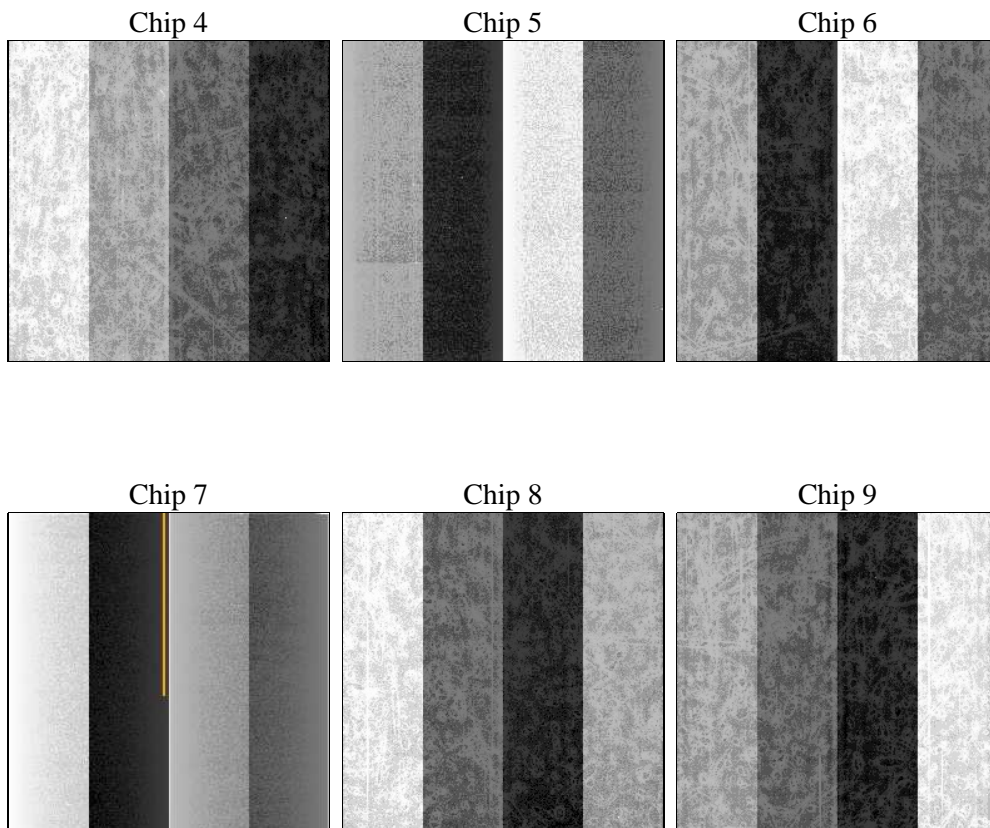
2 OBI

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	8.4.5	Processing system revision	ontime	8248.1817123294	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8248.0585923195	Sum of GTIs [s]
date	2012-07-02T18:58:35	Date and time of file creation	ontime5	8248.1406723261	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8248.0996323228	Sum of GTIs [s]
			ontime7	8248.1817123294	Sum of GTIs [s]
			ontime8	8248.0175523162	Sum of GTIs [s]
			ontime9	8248.2227523327	Sum of GTIs [s]
			l1events	871632	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	133187	170451	129925	158017	150503	129549	grade 0 events	34265	17066	31974	16402	35891	31484
rejected events	73479	69726	68630	64539	76201	69743		25%	10%	24%	10%	23%	24%
rejected %	55%	40%	52%	40%	50%	53%	grade 1 events	314	180	175	151	239	207
								0%	0%	0%	0%	0%	0%
							grade 2 events	9669	34826	11195	20473	14236	10708
								7%	20%	8%	12%	9%	8%
							grade 3 events	4190	4254	4011	8530	5611	4010
								3%	2%	3%	5%	3%	3%
							grade 4 events	4026	4326	4061	8375	5489	4174
								3%	2%	3%	5%	3%	3%
							grade 5 events	4014	9062	4175	10431	5461	4678
								3%	5%	3%	6%	3%	3%
							grade 6 events	7809	40674	10309	40072	13376	9658
								5%	23%	7%	25%	8%	7%
							grade 7 events	68900	60063	64025	53583	70200	64630
								51%	35%	49%	33%	46%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	328.9928749792359	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.472257013745462	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	222.7515331539857	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	399814578.624165	399814578.624165			
Observation start date	2010-09-02T11:36:19	2010-09-02T11:36:18			
[s] Observation end time (MET)	399824126.394995	399824126.394995			
Observation end date	2010-09-02T14:15:26	2010-09-02T14:15:26			
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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2481817123294

A.2 Comments