

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57892 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 12 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

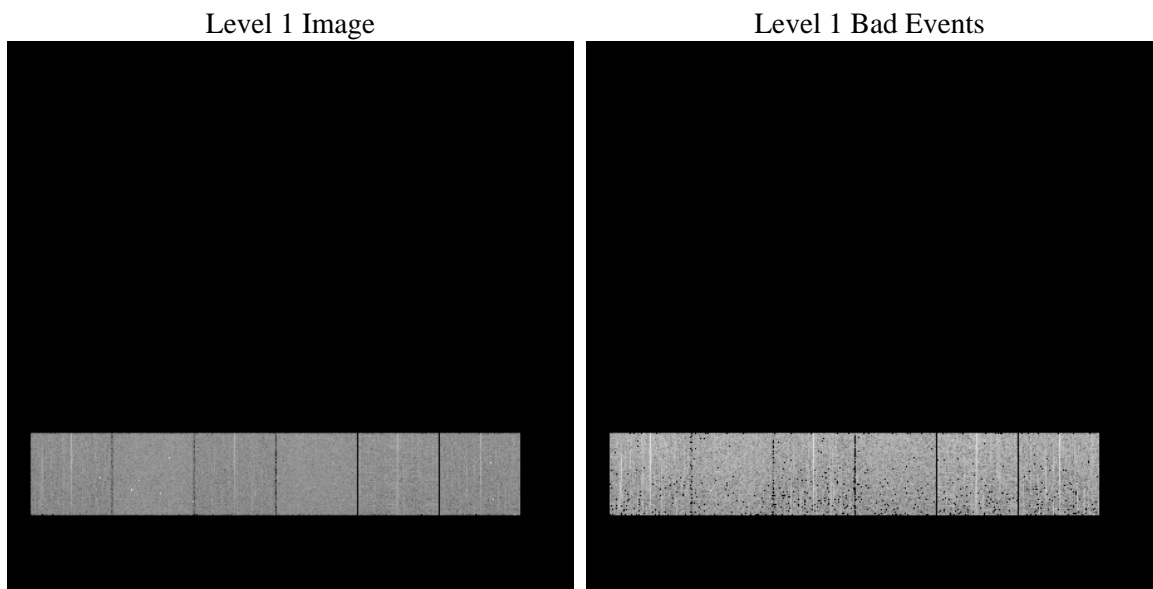
1 Front

seq_num	 	Sequence number
obs_id	57892	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	182.84550460133	Nominal RA [deg]
dec_nom	21.646963611017	Nominal Dec [deg]
roll_nom	194.69903383228	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2911.9999892116	Sum of GTIs [s]
livetime	2875.1264919523	Livetime [s]
ontime4	2911.9999892116	Sum of GTIs [s]
ontime5	2911.9999892116	Sum of GTIs [s]
ontime6	2911.9999892116	Sum of GTIs [s]
ontime7	2911.9999892116	Sum of GTIs [s]
ontime8	2911.9999892116	Sum of GTIs [s]
ontime9	2911.9999892116	Sum of GTIs [s]
l2events	228179	Number of level 2 events

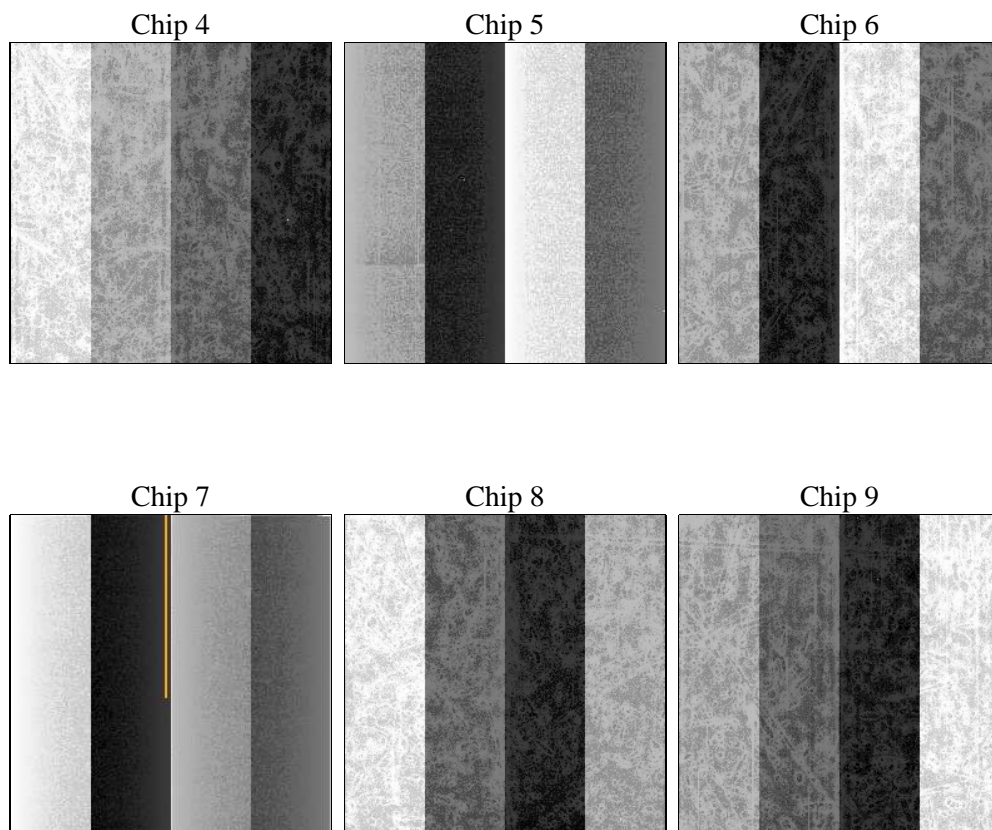
2 OBI

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	8.4.4	Processing system revision	ontime	2911.9999892116	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	2911.9999892116	Sum of GTIs [s]
date	2012-05-12T04:24:37	Date and time of file creation	ontime5	2911.9999892116	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2911.9999892116	Sum of GTIs [s]
			ontime7	2911.9999892116	Sum of GTIs [s]
			ontime8	2911.9999892116	Sum of GTIs [s]
			ontime9	2911.9999892116	Sum of GTIs [s]
			l1events	403707	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	64033	72664	62204	70862	69864	64080	grade 0 events	20433	8525	19897	9933	21199	20476
rejected events	28531	24818	24649	22475	28393	26507		31%	11%	31%	14%	30%	31%
rejected %	44%	34%	39%	31%	40%	41%	grade 1 events	196	127	107	71	141	134
								0%	0%	0%	0%	0%	0%
							grade 2 events	5602	17005	6721	10322	7581	6522
								8%	23%	10%	14%	10%	10%
							grade 3 events	2465	2302	2406	4700	2920	2393
								3%	3%	3%	6%	4%	3%
							grade 4 events	2425	2287	2291	4623	2884	2438
								3%	3%	3%	6%	4%	3%
							grade 5 events	1505	3458	1488	3689	1910	1707
								2%	4%	2%	5%	2%	2%
							grade 6 events	4577	17727	6240	18809	6887	5744
								7%	24%	10%	26%	9%	8%
							grade 7 events	26830	21233	23054	18715	26342	24666
								41%	29%	37%	26%	37%	38%

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	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	182.845504601329	Alternating exposures requested	N	N
[deg] Pointing Dec	0	21.64696361101723	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	194.6990338322825			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	323273405.741118	323273404.71612			
Observation start date	2008-03-30T14:10:06	2008-03-30T14:10:04			
[s] Observation end time (MET)	323306140.142711	323306139.11771			
Observation end date	2008-03-30T23:15:40	2008-03-30T23:15:39			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9119999892116

A.2 Comments