

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57294 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 31 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

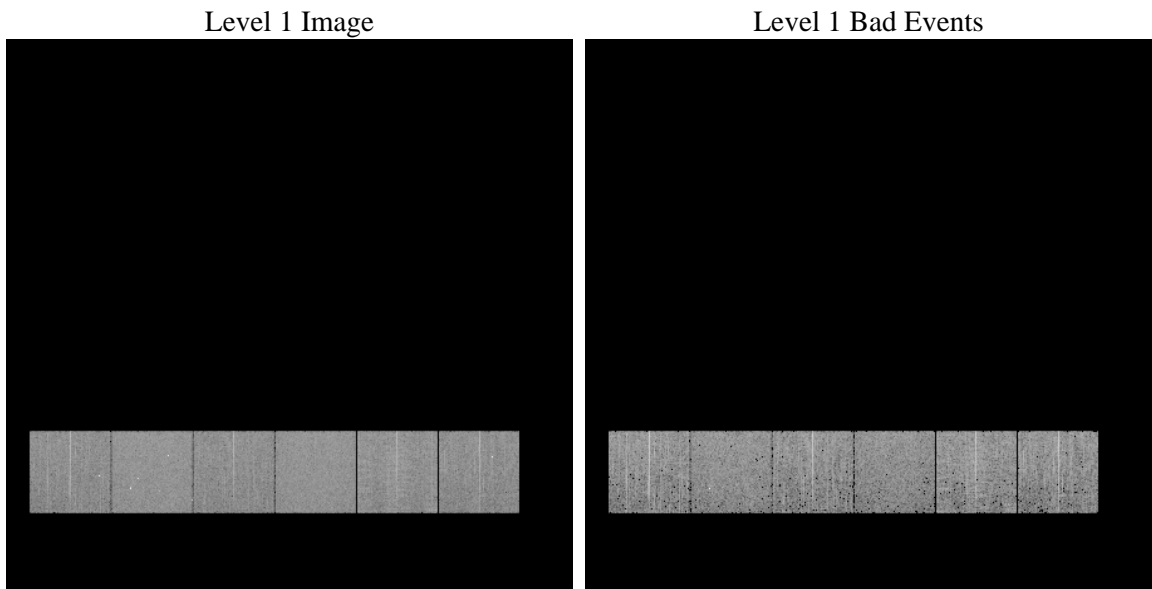
1 Front

seq_num	 	Sequence number
obs_id	57294	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	156.82206245407	Nominal RA [deg]
dec_nom	-12.386906318966	Nominal Dec [deg]
roll_nom	10.874424740728	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3272.3758032322	Sum of GTIs [s]
livetime	3230.9390104235	Livetime [s]
ontime4	3272.2526832223	Sum of GTIs [s]
ontime5	3272.3347632289	Sum of GTIs [s]
ontime6	3272.2937232256	Sum of GTIs [s]
ontime7	3272.3758032322	Sum of GTIs [s]
ontime8	3272.211643219	Sum of GTIs [s]
ontime9	3272.4168432355	Sum of GTIs [s]
l2events	225516	Number of level 2 events

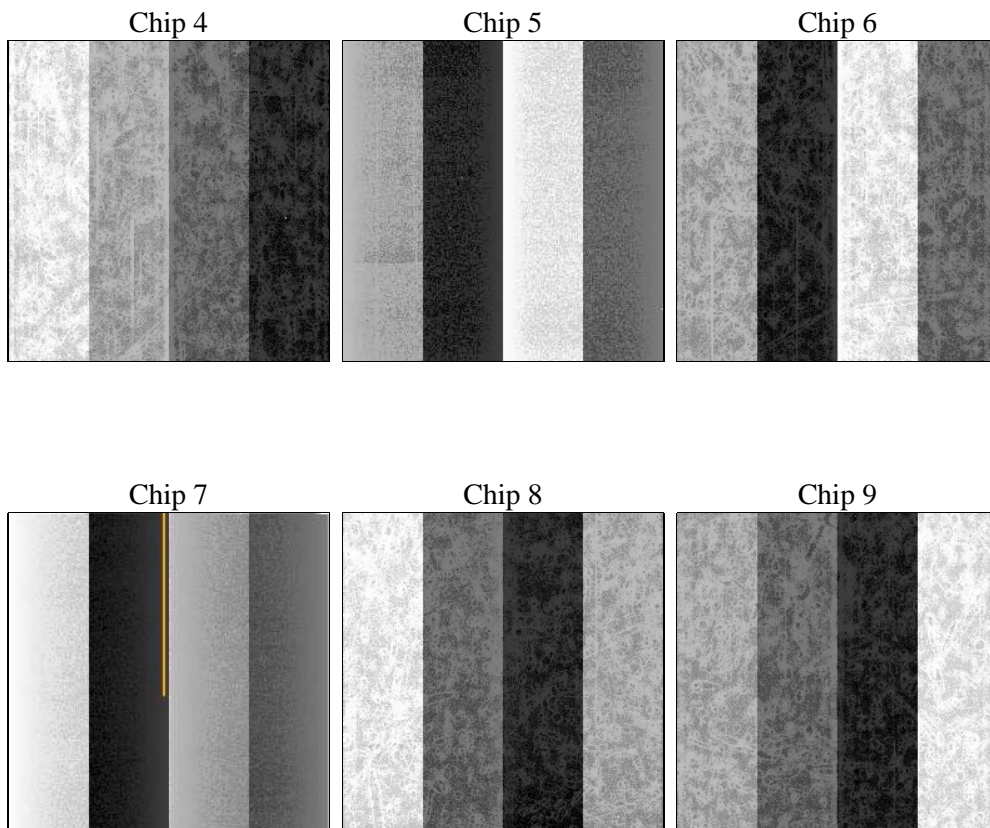
2 OBI

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	3272.3758032322	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	3272.2526832223	Sum of GTIs [s]
date	2012-05-31T04:22:01	Date and time of file creation	ontime5	3272.3347632289	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3272.2937232256	Sum of GTIs [s]
			ontime7	3272.3758032322	Sum of GTIs [s]
			ontime8	3272.211643219	Sum of GTIs [s]
			ontime9	3272.4168432355	Sum of GTIs [s]
			l1events	437314	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	68309	80167	66857	77148	76934	67899	grade 0 events	19307	7958	18541	9788	20725	18562
rejected events	34211	30230	31246	27394	34867	32262		28%	9%	27%	12%	26%	27%
rejected %	50%	37%	46%	35%	45%	47%	grade 1 events	196	105	120	58	157	143
								0%	0%	0%	0%	0%	0%
							grade 2 events	5559	17705	6389	10820	7525	6943
								8%	22%	9%	14%	9%	10%
							grade 3 events	2395	2382	2389	4672	3209	2275
								3%	2%	3%	6%	4%	3%
							grade 4 events	2346	2286	2296	4662	3136	2280
								3%	2%	3%	6%	4%	3%
							grade 5 events	1713	4289	1829	4551	2385	2040
								2%	5%	2%	5%	3%	3%
							grade 6 events	4491	19606	5996	19812	7472	5577
								6%	24%	8%	25%	9%	8%
							grade 7 events	32302	25836	29297	22785	32325	30079
								47%	32%	43%	29%	42%	44%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	156.8220624540717	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-12.38690631896614	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	10.87442474072824	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	351375796.53171	351375795.50672			
Observation start date	2009-02-18T20:23:17	2009-02-18T20:23:15			
[s] Observation end time (MET)	351387278.582279	351387277.55729			
Observation end date	2009-02-18T23:34:39	2009-02-18T23:34:37			
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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2723758032322

A.2 Comments