

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57982 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 9 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

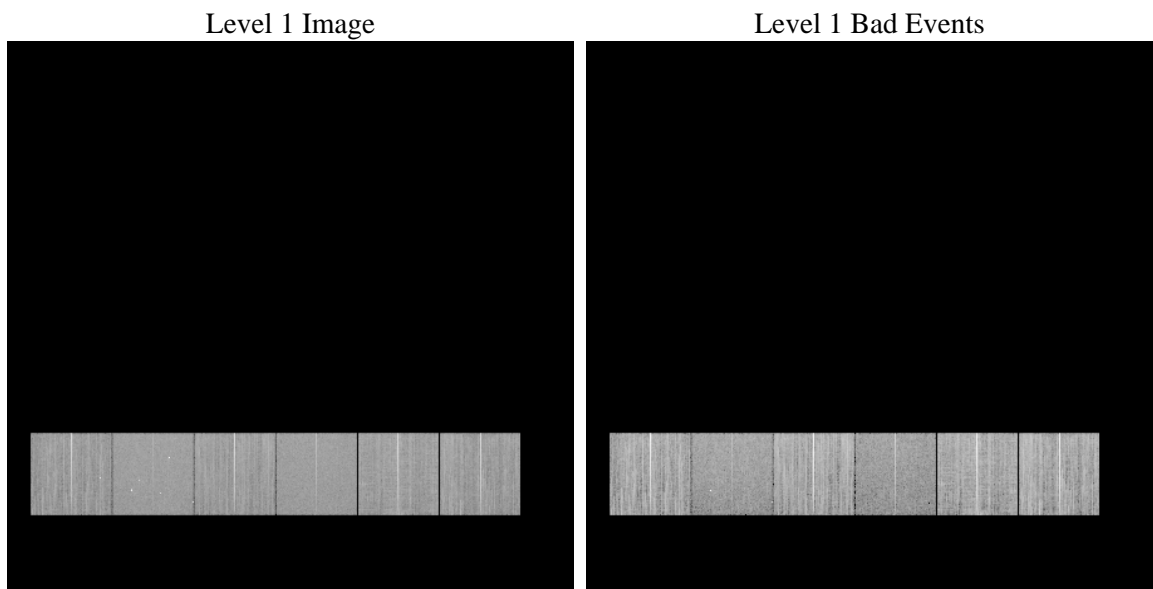
1 Front

seq_num	 	Sequence number
obs_id	57982	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	130.82710797502	Nominal RA [deg]
dec_nom	-10.887185348284	Nominal Dec [deg]
roll_nom	346.47320765492	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6675.1999751925	Sum of GTIs [s]
livetime	6590.6745737838	Livetime [s]
ontime4	5145.4501521587	Sum of GTIs [s]
ontime5	6675.1999751925	Sum of GTIs [s]
ontime6	5599.7797486782	Sum of GTIs [s]
ontime7	6675.1999751925	Sum of GTIs [s]
ontime8	5790.4081730843	Sum of GTIs [s]
ontime9	5418.161000371	Sum of GTIs [s]
l2events	499523	Number of level 2 events

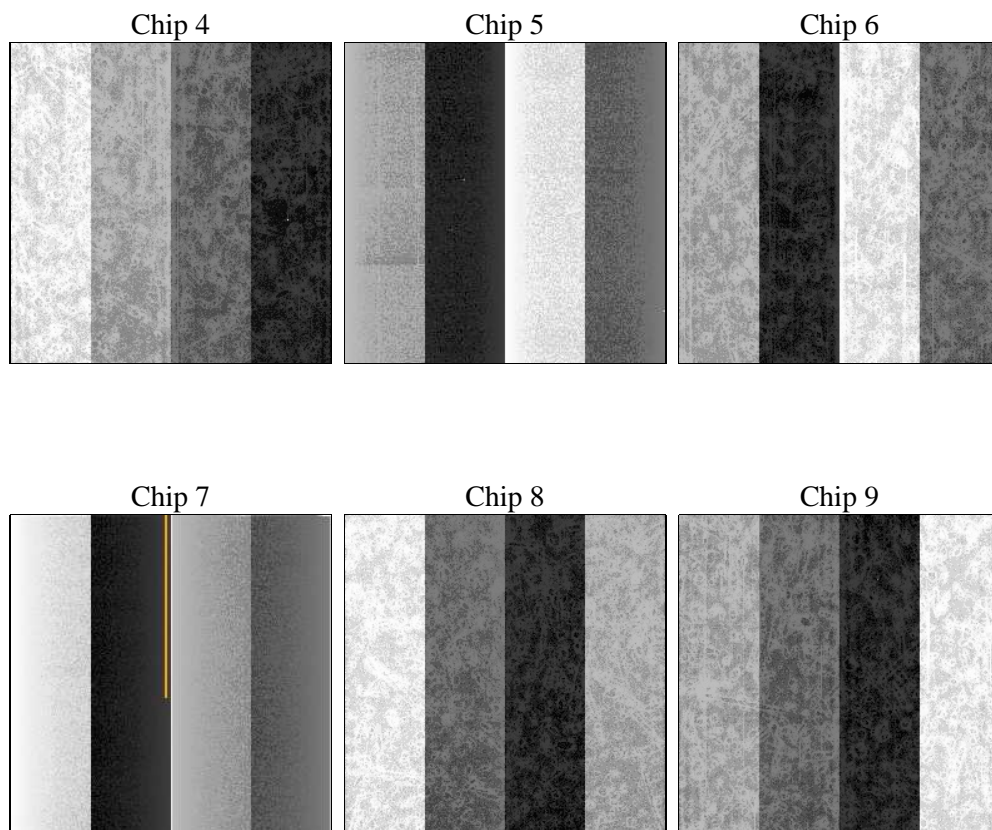
2 OBI

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	6675.1999751925	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	5145.4501521587	Sum of GTIs [s]
date	2012-05-09T05:49:29	Date and time of file creation	ontime5	6675.1999751925	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5599.7797486782	Sum of GTIs [s]
			ontime7	6675.1999751925	Sum of GTIs [s]
			ontime8	5790.4081730843	Sum of GTIs [s]
			ontime9	5418.161000371	Sum of GTIs [s]
			l1events	1205483	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	188784	201164	204162	193014	214305	204054	grade 0 events	37697	20227	39499	23647	44308	38015
rejected events	121130	83775	127956	73705	126748	132337		19%	10%	19%	12%	20%	18%
rejected %	64%	41%	62%	38%	59%	64%	grade 1 events	425	309	249	151	312	290
								0%	0%	0%	0%	0%	0%
							grade 2 events	11996	43876	14319	28825	16331	13100
								6%	21%	7%	14%	7%	6%
							grade 3 events	4632	5822	4803	10637	6082	4685
								2%	2%	2%	5%	2%	2%
							grade 4 events	4472	5497	4852	10974	5961	4692
								2%	2%	2%	5%	2%	2%
							grade 5 events	2674	8308	3038	8777	3938	3221
								1%	4%	1%	4%	1%	1%
							grade 6 events	8857	41967	12733	45226	14875	11225
								4%	20%	6%	23%	6%	5%
							grade 7 events	118031	75158	124669	64777	122498	128826
								62%	37%	61%	33%	57%	63%

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	130.827107975023	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-10.88718534828358	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	346.4732076549237			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	318512903.709818	318512902.68481			
Observation start date	2008-02-04T11:48:24	2008-02-04T11:48:22			
[s] Observation end time (MET)	318531318.860711	318531317.83571			
Observation end date	2008-02-04T16:55:19	2008-02-04T16:55:17			
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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6751999751925

A.2 Comments