

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61268 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 4 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

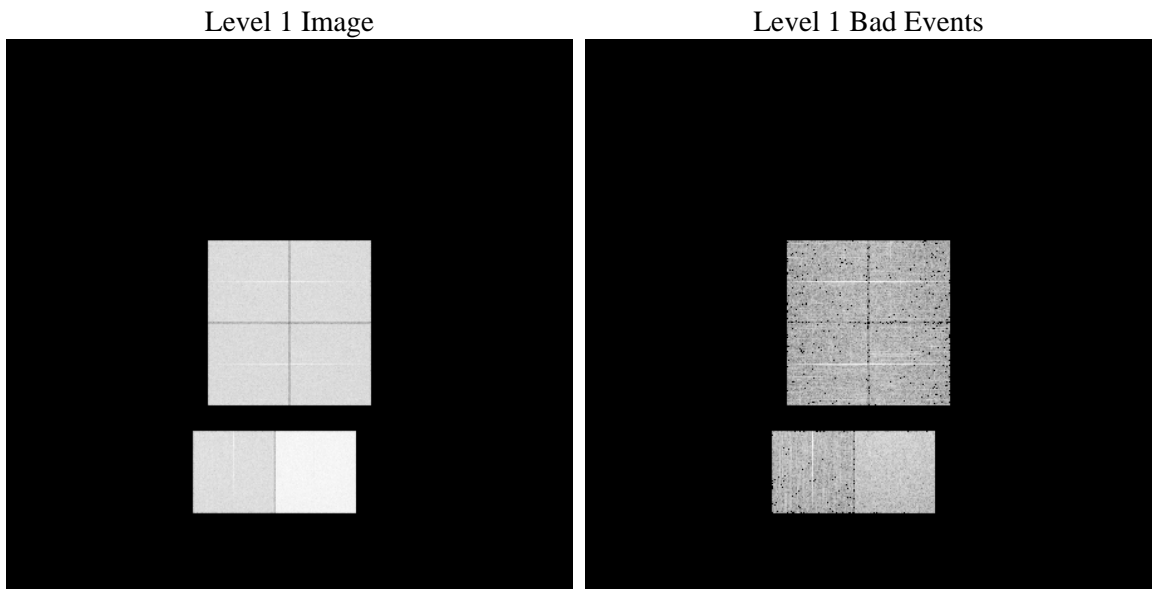
1 Front

seq_num	 	Sequence number
obs_id	61268	Observation id
title	ACIS-012367 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	229.98827227155	Nominal RA [deg]
dec_nom	-7.9738513330777	Nominal Dec [deg]
roll_nom	81.179736720962	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8448.0000078529	Sum of GTIs [s]
livetime	8341.0263449786	Livetime [s]
ontime0	3492.5452866554	Sum of GTIs [s]
ontime1	3508.7502571791	Sum of GTIs [s]
ontime2	3295.0339360088	Sum of GTIs [s]
ontime3	3333.7348250747	Sum of GTIs [s]
ontime6	3596.4901608676	Sum of GTIs [s]
ontime7	8448.0000078529	Sum of GTIs [s]
l2events	1326588	Number of level 2 events

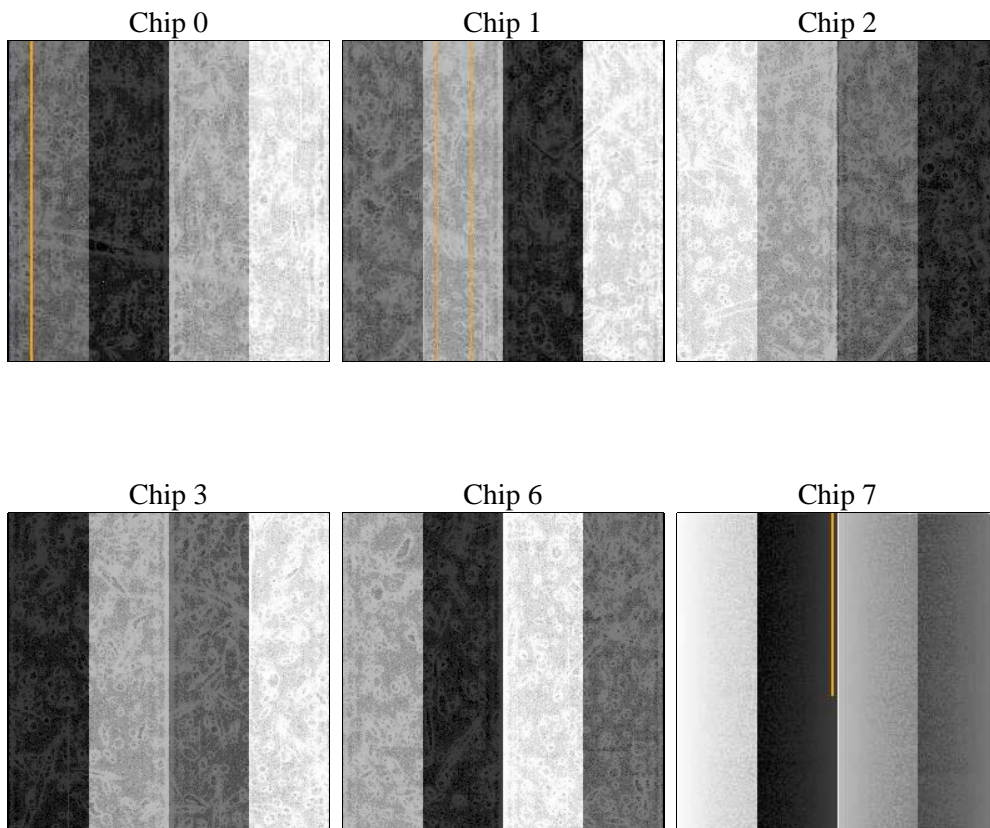
2 OBI

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	8448.0000078529	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3492.5452866554	Sum of GTIs [s]
date	2012-10-04T05:24:50	Date and time of file creation	ontime1	3508.7502571791	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3295.0339360088	Sum of GTIs [s]
			ontime3	3333.7348250747	Sum of GTIs [s]
			ontime6	3596.4901608676	Sum of GTIs [s]
			ontime7	8448.0000078529	Sum of GTIs [s]
			l1events	1562878	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	209070	210058	201504	203685	227574	510987	grade 0 events	100648	102337	97348	98938	107906	117172
rejected events	25514	25157	26044	26889	29062	47427		48%	48%	48%	48%	47%	22%
rejected %	12%	11%	12%	13%	12%	9%	grade 1 events	539	537	497	488	564	308
								0%	0%	0%	0%	0%	0%
							grade 2 events	32698	32548	30894	30908	34770	102393
								15%	15%	15%	15%	15%	20%
							grade 3 events	11691	11670	11063	11147	12257	47296
								5%	5%	5%	5%	5%	9%
							grade 4 events	11674	11775	11120	11237	12330	46302
								5%	5%	5%	5%	5%	9%
							grade 5 events	1750	1845	1653	1799	1973	9367
								0%	0%	0%	0%	0%	1%
							grade 6 events	27204	26923	25352	24888	31602	151289
								13%	12%	12%	12%	13%	29%
							grade 7 events	22866	22423	23577	24280	26172	36860
								10%	10%	11%	11%	11%	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	229.9882722715499	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.973851333077675	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	81.17973672096201			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	132304812.538	132304811.7693			
Observation start date	2002-03-12T07:20:13	2002-03-12T07:20:11			
[s] Observation end time (MET)	132326899.239	132326898.47019			
Observation end date	2002-03-12T13:28:19	2002-03-12T13:28:18			
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)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4480000078529

A.2 Comments