

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59324 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 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

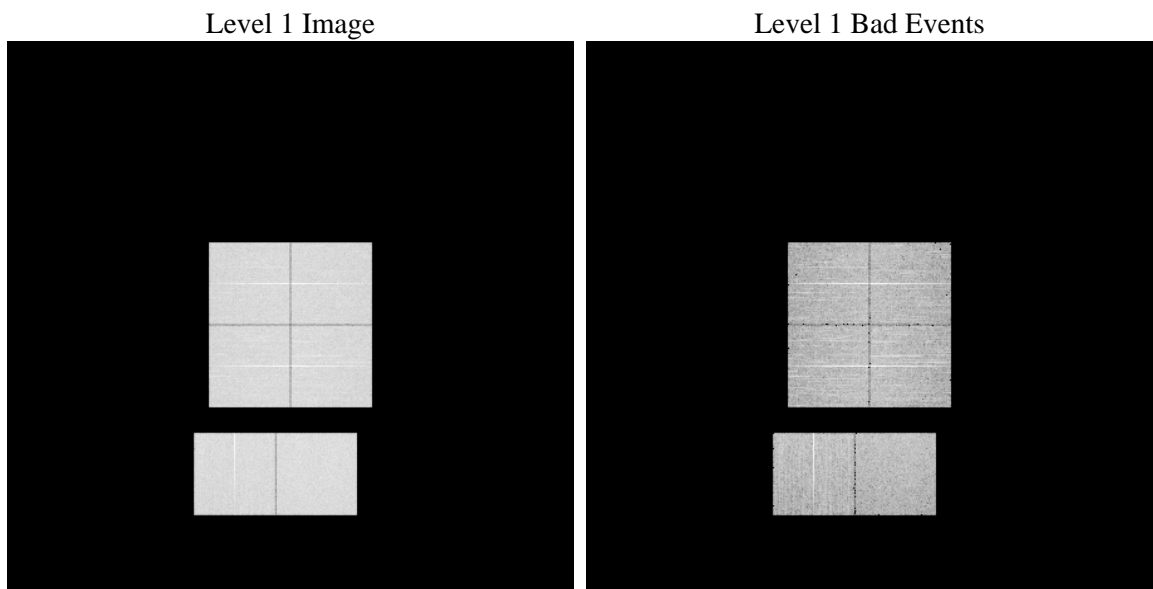
1 Front

seq_num	 	Sequence number
obs_id	59324	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	10.658493100115	Nominal RA [deg]
dec_nom	18.958290090532	Nominal Dec [deg]
roll_nom	273.91631752643	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6598.1625906825	Sum of GTIs [s]
livetime	6514.6126830228	Livetime [s]
ontime0	6598.1215506792	Sum of GTIs [s]
ontime1	6598.0805106759	Sum of GTIs [s]
ontime2	6598.0394706726	Sum of GTIs [s]
ontime3	6598.2036306858	Sum of GTIs [s]
ontime6	6597.9984306991	Sum of GTIs [s]
ontime7	6598.1625906825	Sum of GTIs [s]
l2events	830894	Number of level 2 events

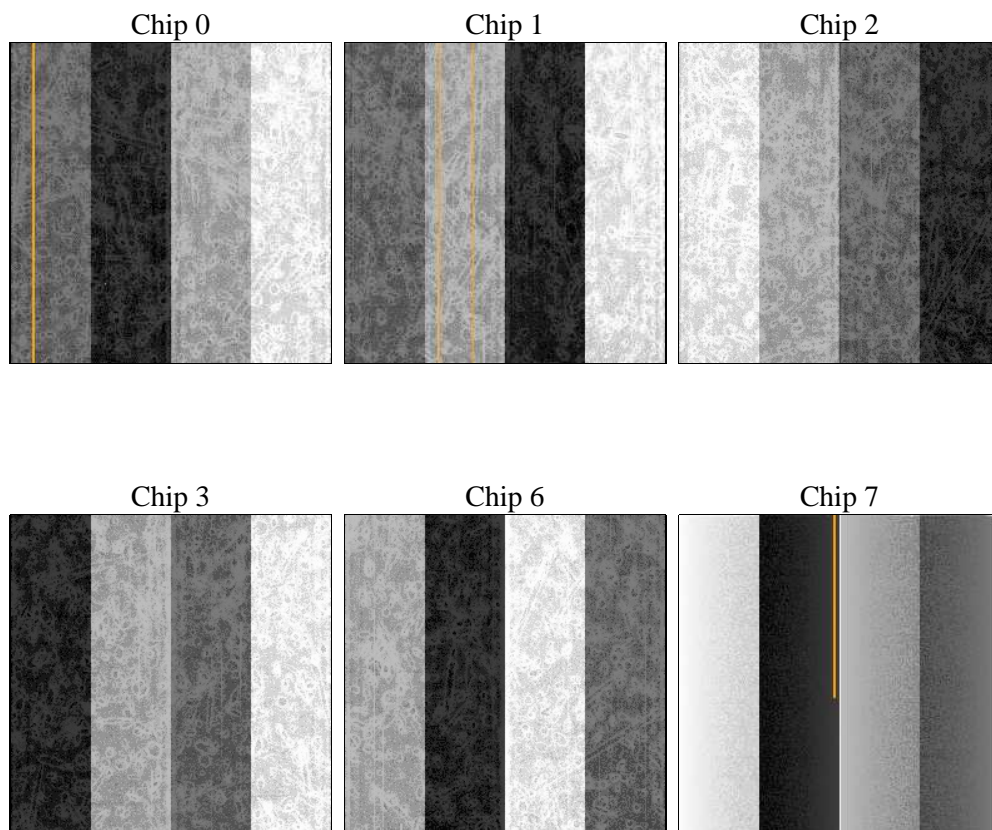
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	960	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	6598.1625906825	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	6598.1215506792	Sum of GTIs [s]
date	2012-12-31T16:54:49	Date and time of file creation	ontime1	6598.0805106759	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	6598.0394706726	Sum of GTIs [s]
			ontime3	6598.2036306858	Sum of GTIs [s]
			ontime6	6597.9984306991	Sum of GTIs [s]
			ontime7	6598.1625906825	Sum of GTIs [s]
			l1events	1202472	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	193532	192710	198953	200518	203446	213313	grade 0 events	79053	78475	81263	81690	81208	38385
rejected events	53032	52207	57473	58321	56562	50412		40%	40%	40%	40%	39%	17%
rejected %	27%	27%	28%	29%	27%	23%	grade 1 events	512	448	559	540	519	128
								0%	0%	0%	0%	0%	0%
							grade 2 events	25387	25966	24410	25014	26296	36600
								13%	13%	12%	12%	12%	17%
							grade 3 events	9403	9405	9585	9554	9525	16419
								4%	4%	4%	4%	4%	7%
							grade 4 events	9614	9142	9598	9707	9555	16528
								4%	4%	4%	4%	4%	7%
							grade 5 events	2915	3069	2767	3309	3270	7837
								1%	1%	1%	1%	1%	3%
							grade 6 events	21141	21470	20728	20280	24514	59635
								10%	11%	10%	10%	12%	27%
							grade 7 events	45507	44735	50043	50424	48559	37781
								23%	23%	25%	25%	23%	17%

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	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	10.65849112852882	10.6584931001149	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.95831780565547	18.95829009053194	Alternating exposures requested	N	N
[deg] Pointing Roll	273.9163181594237	273.9163175264342	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	248156297.679428	248156297.679428			
Observation start date	2005-11-12T04:25:00	2005-11-12T04:18:17			
[s] Observation end time (MET)	248163191.811477	248163191.811477			
Observation end date	2005-11-12T04:41:00	2005-11-12T06:13:11			
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)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.5981625906825

A.2 Comments