

# V&V Reference Report

## L2 ASCDS Version : 10.2.1

Observation 53026 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 7 2014

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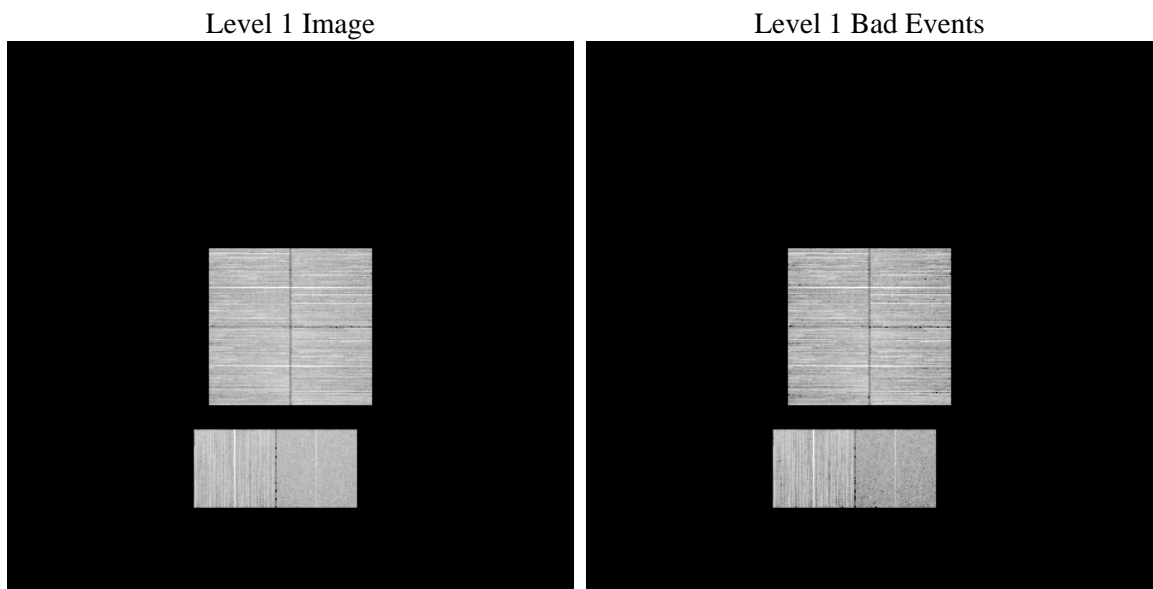
# 1 Front

seq_num	&#160	Sequence number
obs_id	53026	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
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	155.01398617525	Nominal RA [deg]
dec_nom	-10.97483390802	Nominal Dec [deg]
roll_nom	28.463705039639	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.9999691844	Sum of GTIs [s]
livetime	8183.0523231401	Livetime [s]
ontime0	8187.5273942351	Sum of GTIs [s]
ontime1	8190.7684445977	Sum of GTIs [s]
ontime2	8177.8042739034	Sum of GTIs [s]
ontime3	8184.2863441706	Sum of GTIs [s]
ontime6	8171.3221838474	Sum of GTIs [s]
ontime7	8287.9999691844	Sum of GTIs [s]
l2events	177448	Number of level 2 events

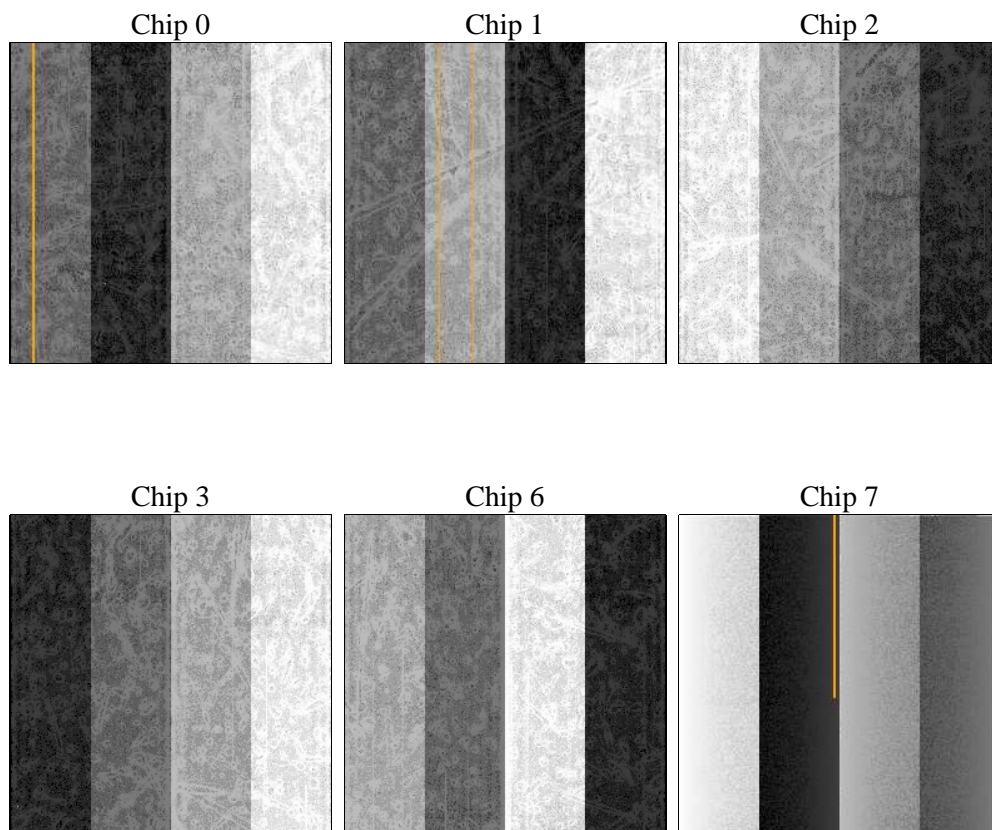
## 2 OBI

### 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	10.2.1	Processing system revision	ontime	8287.9999691844	Sum of GTIs [s]
caldsver	4.6.0	&#160	ontime0	8187.5273942351	Sum of GTIs [s]
date	2014-02-07T23:49:36	Date and time of file creation	ontime1	8190.7684445977	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8177.8042739034	Sum of GTIs [s]
			ontime3	8184.2863441706	Sum of GTIs [s]
			ontime6	8171.3221838474	Sum of GTIs [s]
			ontime7	8287.9999691844	Sum of GTIs [s]
			l1events	843943	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	146146	140085	145967	149640	147507	114598	grade 0 events	13175	12198	14030	13927	12465	6717
rejected events	119001	112808	118429	122261	119524	63924		9%	8%	9%	9%	8%	5%
rejected %	81%	80%	81%	81%	81%	55%	grade 1 events	64	53	72	79	59	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	5967	6810	5691	5571	7141	12698
								4%	4%	3%	3%	4%	11%
							grade 3 events	1782	1788	1788	1818	1617	3886
								1%	1%	1%	1%	1%	3%
							grade 4 events	1781	1700	1851	1829	1625	3692
								1%	1%	1%	1%	1%	3%
							grade 5 events	2493	2541	2464	2920	2627	6622
								1%	1%	1%	1%	1%	5%
							grade 6 events	4451	4790	4189	4249	5147	23705
								3%	3%	2%	2%	3%	20%
							grade 7 events	116433	110205	115882	119247	116826	57209
								79%	78%	79%	79%	79%	49%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	155.0139861752536	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-10.97483390801951	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	28.46370503963853	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	508157105.321836	508157104.29684			
Observation start date	2014-02-07T10:45:05	2014-02-07T10:45:04			
[s] Observation end time (MET)	508167105.222385	508167104.19739			
Observation end date	2014-02-07T13:31:45	2014-02-07T13:31:44			
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)	2014.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2879999691844

### A.2 Comments