

# V&V Reference Report

## L2 ASCDS Version : 10.2.1

Observation 53047 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 30 2014

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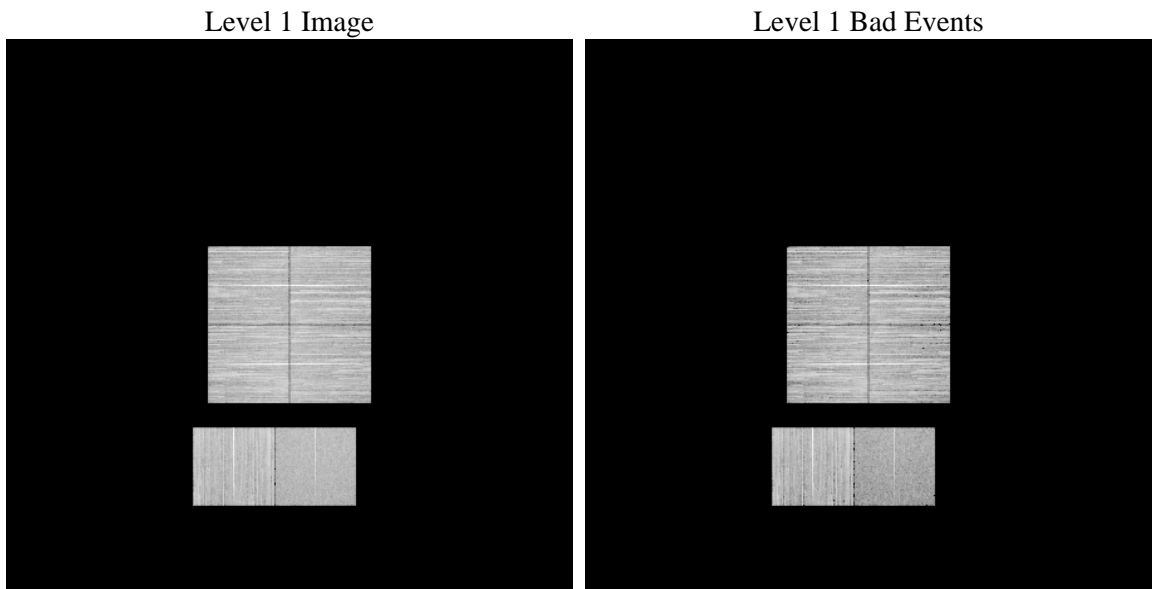
# 1 Front

seq_num	&#160	Sequence number
obs_id	53047	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	130.02582330591	Nominal RA [deg]
dec_nom	-6.4871231485911	Nominal Dec [deg]
roll_nom	353.77458584539	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	8284.7999691963	Sum of GTIs [s]
ontime1	8284.7999691963	Sum of GTIs [s]
ontime2	8284.7999691963	Sum of GTIs [s]
ontime3	8284.7999691963	Sum of GTIs [s]
ontime6	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	181512	Number of level 2 events

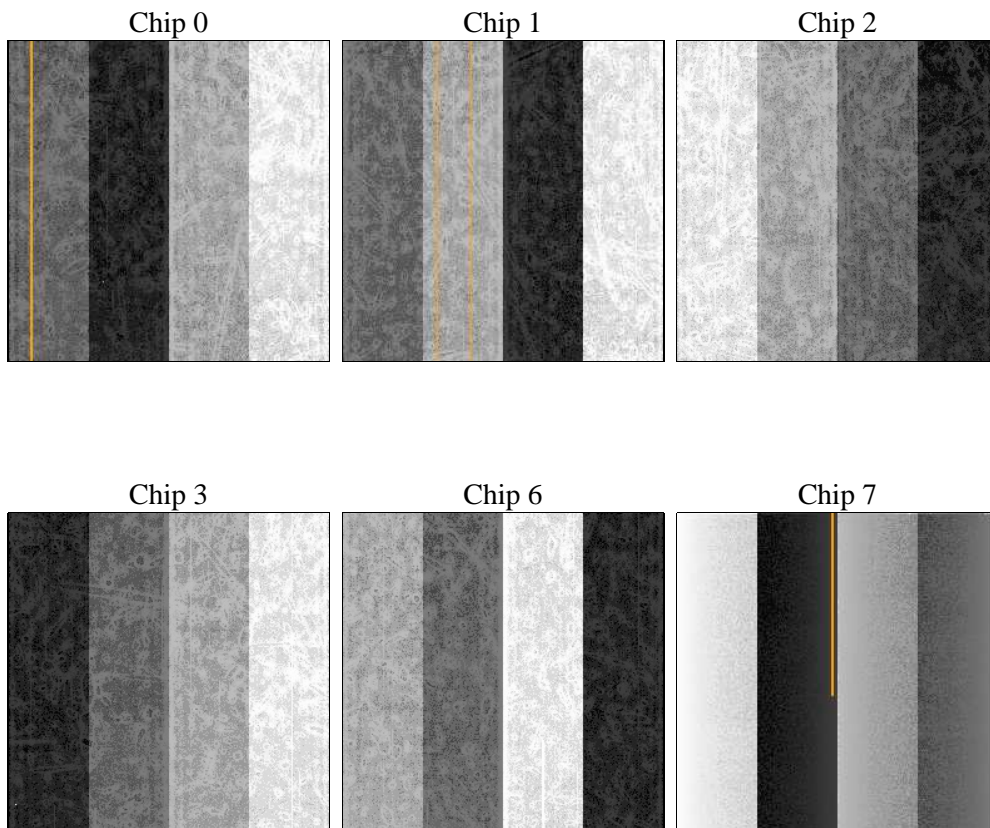
## 2 OBI

### 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	8284.7999691963	Sum of GTIs [s]
caldsver	4.6.0	&#160	ontime0	8284.7999691963	Sum of GTIs [s]
date	2014-01-30T21:48:44	Date and time of file creation	ontime1	8284.7999691963	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.7999691963	Sum of GTIs [s]
			ontime3	8284.7999691963	Sum of GTIs [s]
			ontime6	8284.7999691963	Sum of GTIs [s]
			ontime7	8284.7999691963	Sum of GTIs [s]
			l1events	862356	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	142251	146874	161189	142850	151445	117747	grade 0 events	13469	13042	14113	14355	13130	6872
rejected events	114653	118807	133677	114493	122544	65678		9%	8%	8%	10%	8%	5%
rejected %	80%	80%	82%	80%	80%	55%	grade 1 events	75	49	71	76	61	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	6034	6537	5519	5823	6971	13164
								4%	4%	3%	4%	4%	11%
							grade 3 events	1876	1775	1895	1914	1794	3840
								1%	1%	1%	1%	1%	3%
							grade 4 events	1884	1838	1832	1931	1773	3869
								1%	1%	1%	1%	1%	3%
							grade 5 events	2664	2679	2571	2915	2744	6604
								1%	1%	1%	2%	1%	5%
							grade 6 events	4345	4886	4161	4347	5243	24347
								3%	3%	2%	3%	3%	20%
							grade 7 events	111904	116068	131027	111489	119729	58991
								78%	79%	81%	78%	79%	50%

## 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	130.0258233059131	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-6.487123148591126	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	353.77458584539	[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)	507471380.284181	507471379.25918			
Observation start date	2014-01-30T12:16:20	2014-01-30T12:16:19			
[s] Observation end time (MET)	507481560.584741	507481559.55974			
Observation end date	2014-01-30T15:06:01	2014-01-30T15:05:59			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.01.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

### A.2 Comments