

# V&V Reference Report

## L2 ASCDS Version : 10.2.1

Observation 52935 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 11 2014

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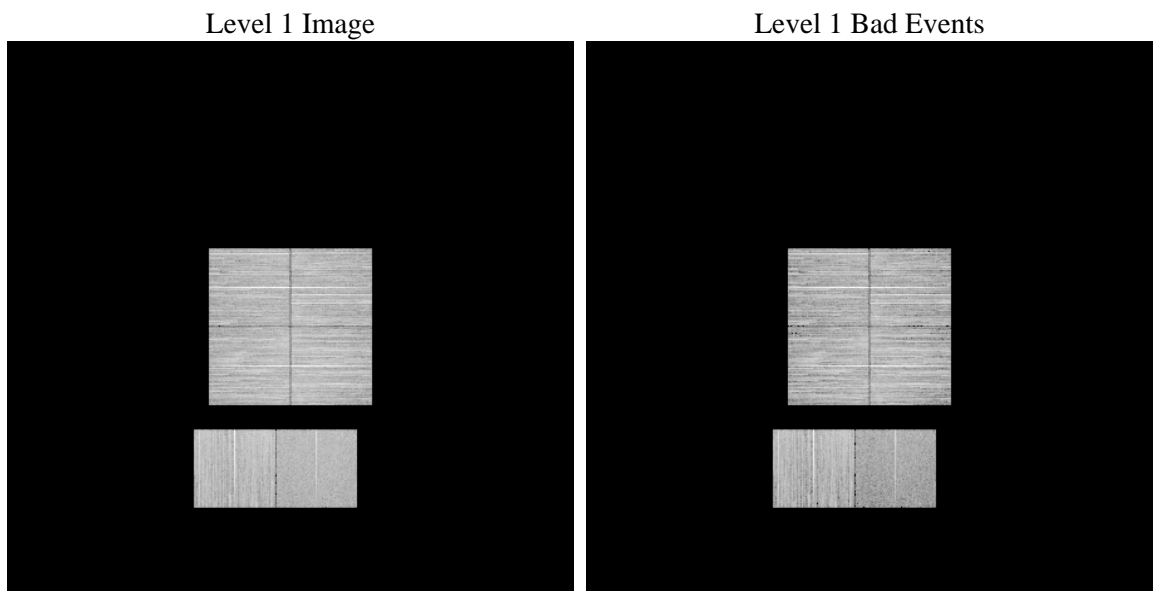
# 1 Front

seq_num	&#160	Sequence number
obs_id	52935	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	158.02263434037	Nominal RA [deg]
dec_nom	-20.994377069284	Nominal Dec [deg]
roll_nom	331.14228902809	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8290.2334318757	Sum of GTIs [s]
livetime	8185.257504382	Livetime [s]
ontime0	8290.1923918724	Sum of GTIs [s]
ontime1	8290.1513518691	Sum of GTIs [s]
ontime2	8290.1103118658	Sum of GTIs [s]
ontime3	8290.274471879	Sum of GTIs [s]
ontime6	8290.0692718625	Sum of GTIs [s]
ontime7	8290.2334318757	Sum of GTIs [s]
l2events	179575	Number of level 2 events

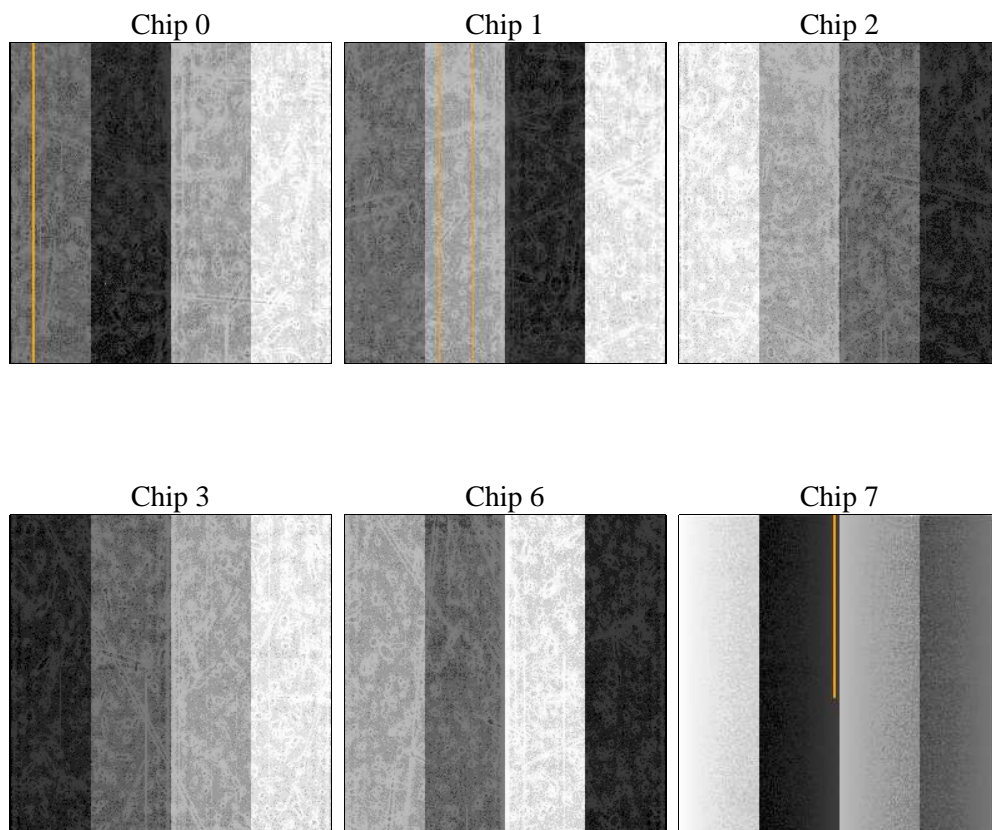
## 2 OBI

### 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	8290.2334318757	Sum of GTIs [s]
caldsver	4.6.0	&#160	ontime0	8290.1923918724	Sum of GTIs [s]
date	2014-03-11T15:05:13	Date and time of file creation	ontime1	8290.1513518691	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8290.1103118658	Sum of GTIs [s]
			ontime3	8290.274471879	Sum of GTIs [s]
			ontime6	8290.0692718625	Sum of GTIs [s]
			ontime7	8290.2334318757	Sum of GTIs [s]
			l1events	828437	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	135037	138732	143153	149762	144942	116811	grade 0 events	13686	12931	14235	14126	13486	6883
rejected events	107645	111241	115535	122328	116121	65403		10%	9%	9%	9%	9%	5%
rejected %	79%	80%	80%	81%	80%	55%	grade 1 events	63	55	70	58	45	77
								0%	0%	0%	0%	0%	0%
							grade 2 events	5716	6287	5438	5393	6492	12777
								4%	4%	3%	3%	4%	10%
							grade 3 events	1859	1729	1948	1862	1831	3992
								1%	1%	1%	1%	1%	3%
							grade 4 events	1831	1782	1914	1897	1755	3908
								1%	1%	1%	1%	1%	3%
							grade 5 events	2552	2632	2519	2949	2823	6797
								1%	1%	1%	1%	1%	5%
							grade 6 events	4300	4762	4083	4156	5257	23848
								3%	3%	2%	2%	3%	20%
							grade 7 events	105030	108554	112946	119321	113253	58529
								77%	78%	78%	79%	78%	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	158.0226343403716	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-20.99437706928354	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	331.1422890280851	[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)	510900733.222973	510900732.19797			
Observation start date	2014-03-11T04:52:13	2014-03-11T04:52:12			
[s] Observation end time (MET)	510910298.523501	510910297.4985			
Observation end date	2014-03-11T07:31:39	2014-03-11T07:31:37			
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)	2014.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2902334318757

### A.2 Comments