

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53892 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 6 2013

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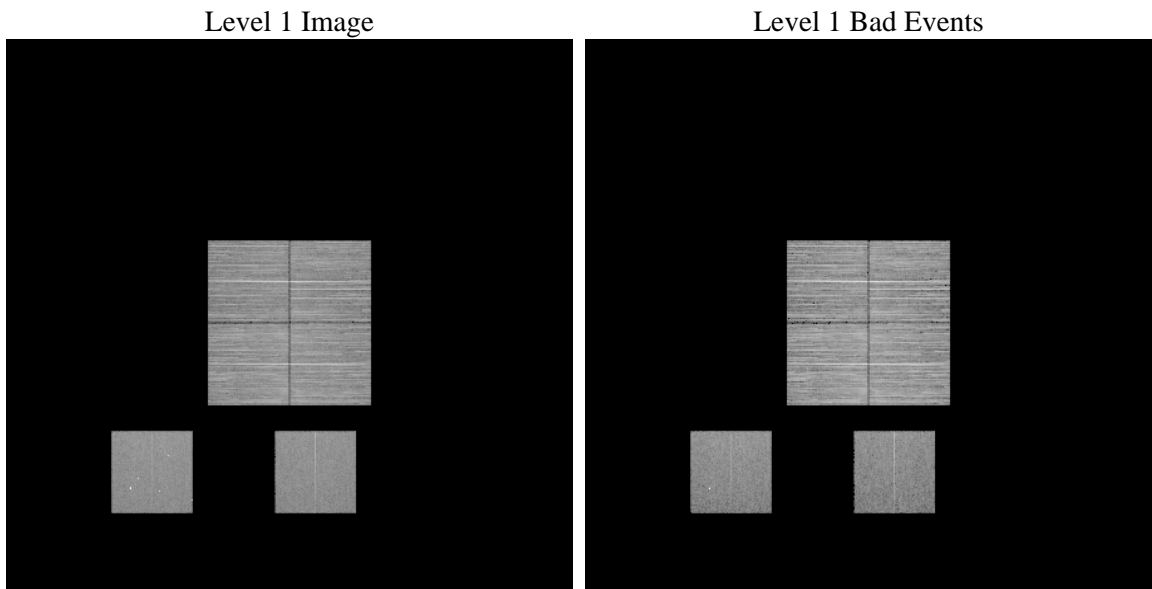
# 1 Front

seq_num	&#160	Sequence number
obs_id	53892	Observation id
title	ACIS-012357 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	116.14127040966	Nominal RA [deg]
dec_nom	-24.324716856109	Nominal Dec [deg]
roll_nom	285.39662970442	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8197.2440058589	Sum of GTIs [s]
livetime	8093.445566469	Livetime [s]
ontime0	8197.2029658556	Sum of GTIs [s]
ontime1	8197.1619258523	Sum of GTIs [s]
ontime2	8197.120885849	Sum of GTIs [s]
ontime3	8197.2850458622	Sum of GTIs [s]
ontime5	8197.0798458457	Sum of GTIs [s]
ontime7	8197.2440058589	Sum of GTIs [s]
l2events	253560	Number of level 2 events

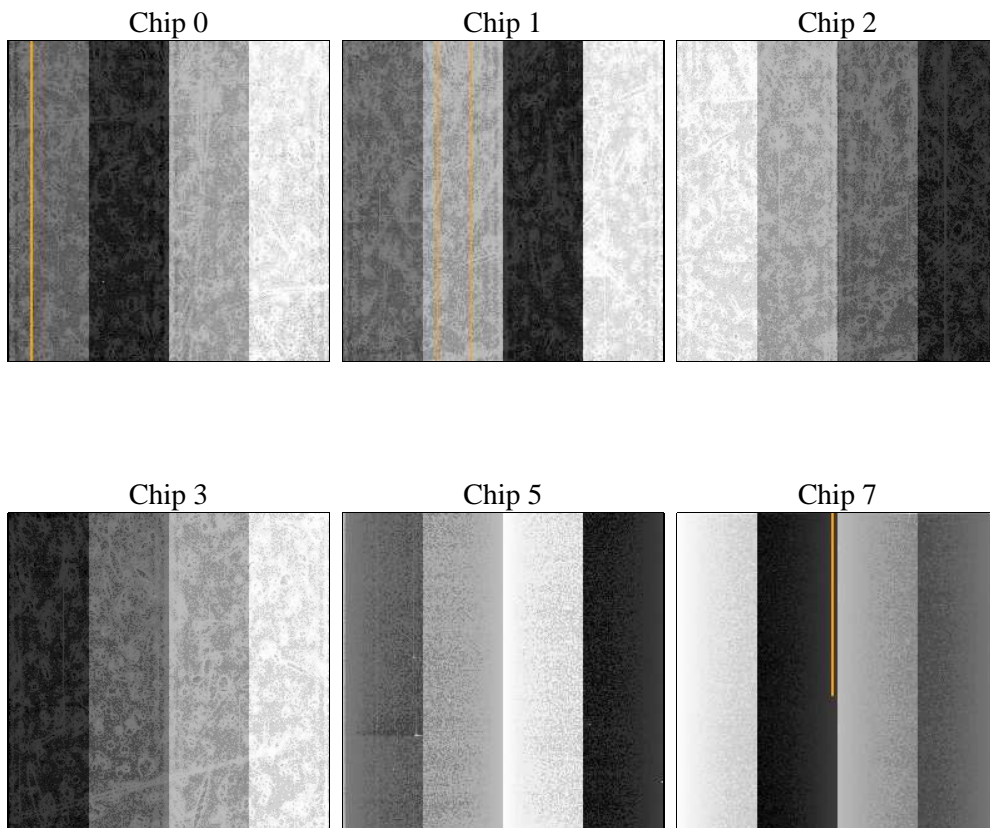
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8197.2440058589	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	8197.2029658556	Sum of GTIs [s]
date	2013-03-06T08:27:10	Date and time of file creation	ontime1	8197.1619258523	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8197.120885849	Sum of GTIs [s]
			ontime3	8197.2850458622	Sum of GTIs [s]
			ontime5	8197.0798458457	Sum of GTIs [s]
			ontime7	8197.2440058589	Sum of GTIs [s]
			l1events	984859	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	160971	169711	187260	181522	148578	136817	grade 0 events	17524	16920	18113	18366	8447	9698
rejected events	127277	135663	152848	146876	80189	73173		10%	9%	9%	10%	5%	7%
rejected %	79%	79%	81%	80%	53%	53%	grade 1 events	87	86	114	90	151	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	6665	7170	6694	6515	25547	15785
								4%	4%	3%	3%	17%	11%
							grade 3 events	2367	2361	2416	2482	2551	5486
								1%	1%	1%	1%	1%	4%
							grade 4 events	2237	2295	2378	2380	2408	5370
								1%	1%	1%	1%	1%	3%
							grade 5 events	3003	3191	2938	3434	7082	8405
								1%	1%	1%	1%	4%	6%
							grade 6 events	5294	5691	5217	5321	30215	28007
								3%	3%	2%	2%	20%	20%
							grade 7 events	123794	131997	149390	142934	72177	63981
								76%	77%	79%	78%	48%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	0	116.1412704096576	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.32471685610899	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	285.3966297044238	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	478871611.424967	478871611.424967			
Observation start date	2013-03-05T11:53:31	2013-03-05T11:53:31			
[s] Observation end time (MET)	478881696.665053	478881696.665053			
Observation end date	2013-03-05T14:41:37	2013-03-05T14:41:36			
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)	2013.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1972440058589

### A.2 Comments