

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54180 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 7 2012

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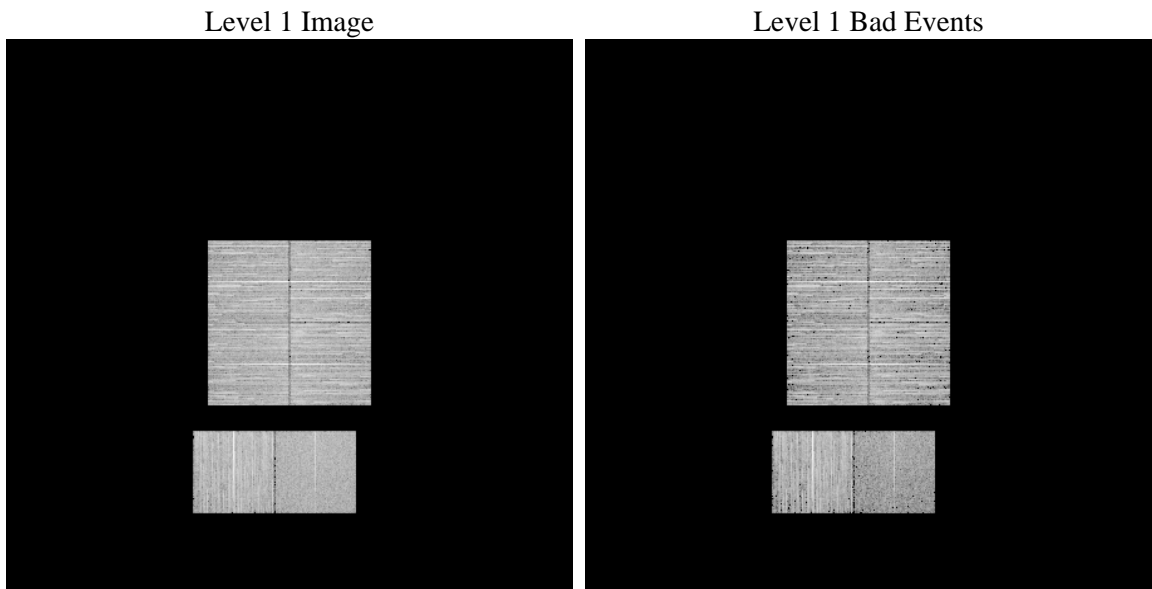
# 1 Front

seq_num	&#160	Sequence number
obs_id	54180	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	52.920151929021	Nominal RA [deg]
dec_nom	-6.1301442492062	Nominal Dec [deg]
roll_nom	25.406045232246	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4300.7999840379	Sum of GTIs [s]
livetime	4246.3406650091	Livetime [s]
ontime0	4300.7999840379	Sum of GTIs [s]
ontime1	4300.7999840379	Sum of GTIs [s]
ontime2	4300.7999840379	Sum of GTIs [s]
ontime3	4300.7999840379	Sum of GTIs [s]
ontime6	4300.7999840379	Sum of GTIs [s]
ontime7	4300.7999840379	Sum of GTIs [s]
l2events	120817	Number of level 2 events

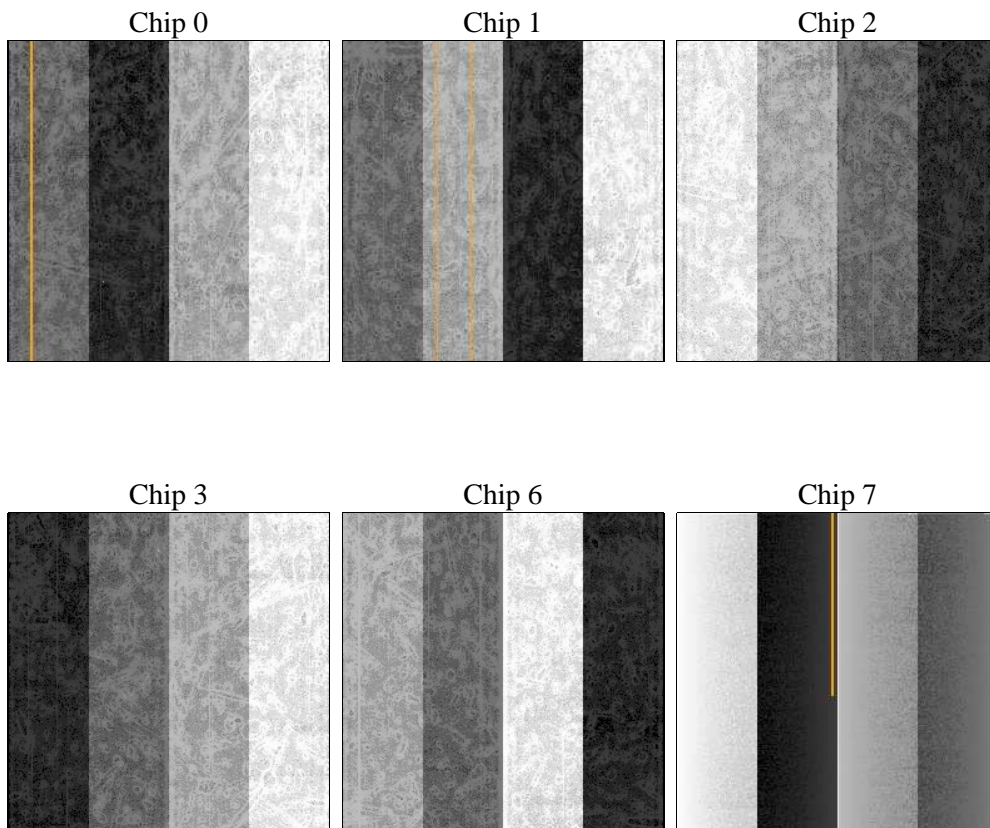
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4300.7999840379	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4300.7999840379	Sum of GTIs [s]
date	2012-11-07T21:15:39	Date and time of file creation	ontime1	4300.7999840379	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4300.7999840379	Sum of GTIs [s]
			ontime3	4300.7999840379	Sum of GTIs [s]
			ontime6	4300.7999840379	Sum of GTIs [s]
			ontime7	4300.7999840379	Sum of GTIs [s]
			l1events	495617	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	81800	86805	81683	85976	89432	69921	grade 0 events	9407	9226	9877	9992	9614	4740
rejected events	63236	67889	62847	66971	69711	37110		11%	10%	12%	11%	10%	6%
rejected %	77%	78%	76%	77%	77%	53%	grade 1 events	55	38	62	55	42	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	3718	4130	3657	3586	4215	8069
								4%	4%	4%	4%	4%	11%
							grade 3 events	1265	1266	1267	1284	1225	2694
								1%	1%	1%	1%	1%	3%
							grade 4 events	1251	1210	1308	1325	1319	2661
								1%	1%	1%	1%	1%	3%
							grade 5 events	1547	1537	1504	1699	1533	4032
								1%	1%	1%	1%	1%	5%
							grade 6 events	2942	3102	2744	2838	3364	14668
								3%	3%	3%	3%	3%	20%
							grade 7 events	61615	66296	61264	65197	68120	33007
								75%	76%	75%	75%	76%	47%

## 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	52.92015192902119	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-6.130144249206193	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	25.40604523224634	[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)	468621407.922416	468621406.89742			
Observation start date	2012-11-06T20:36:48	2012-11-06T20:36:46			
[s] Observation end time (MET)	468627605.072749	468627604.04775			
Observation end date	2012-11-06T22:20:05	2012-11-06T22:20:04			
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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3007999840379

### A.2 Comments