

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56601 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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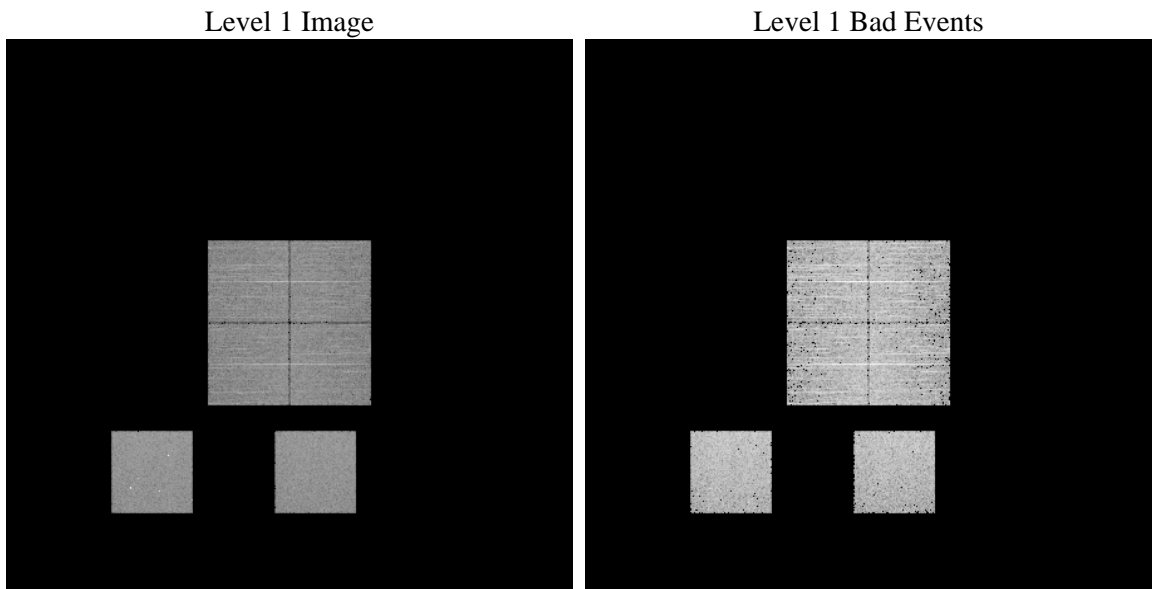
# 1 Front

seq_num	&#160	Sequence number
obs_id	56601	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	53.028420398894	Nominal RA [deg]
dec_nom	20.976503984349	Nominal Dec [deg]
roll_nom	279.82965071102	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3270.3999878764	Sum of GTIs [s]
livetime	3228.9882140315	Livetime [s]
ontime0	3270.3916322589	Sum of GTIs [s]
ontime1	3270.3505922556	Sum of GTIs [s]
ontime2	3270.3095522523	Sum of GTIs [s]
ontime3	3270.3999878764	Sum of GTIs [s]
ontime5	3270.268512249	Sum of GTIs [s]
ontime7	3270.3999878764	Sum of GTIs [s]
l2events	189177	Number of level 2 events

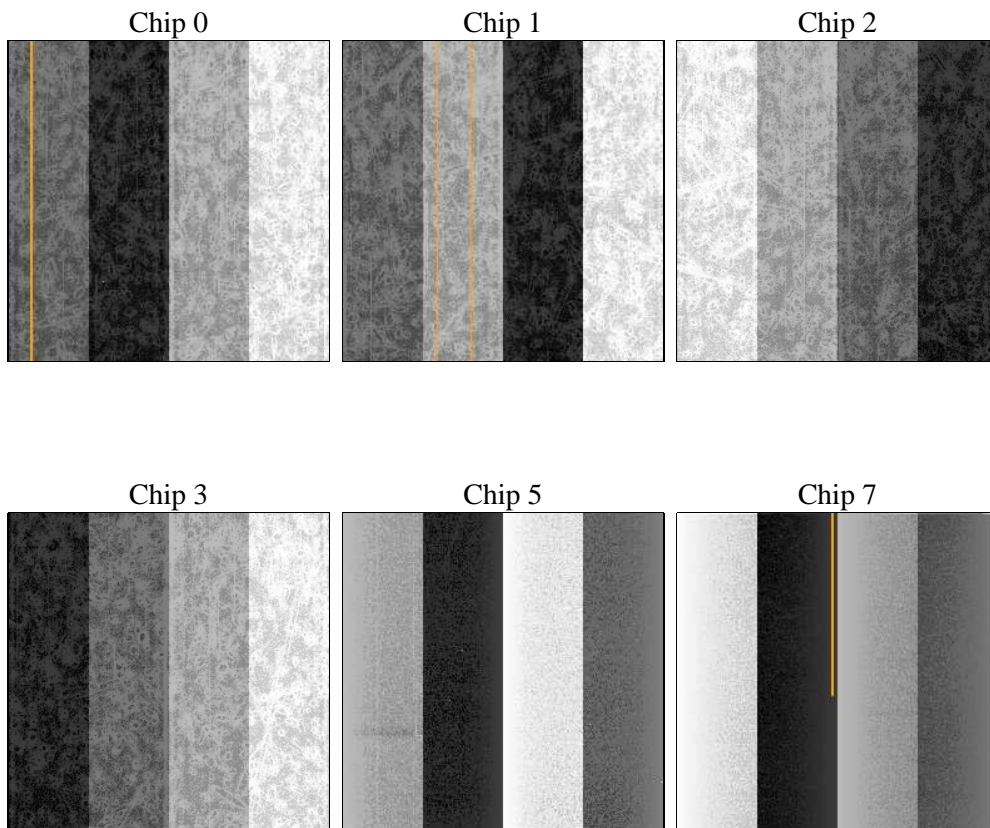
## 2 OBI

### 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	3270.3999878764	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3270.3916322589	Sum of GTIs [s]
date	2012-06-18T06:34:35	Date and time of file creation	ontime1	3270.3505922556	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3270.3095522523	Sum of GTIs [s]
			ontime3	3270.3999878764	Sum of GTIs [s]
			ontime5	3270.268512249	Sum of GTIs [s]
			ontime7	3270.3999878764	Sum of GTIs [s]
			l1events	381047	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	59139	57226	58395	58259	75681	72347	grade 0 events	14646	14387	14863	15084	7792	7798
rejected events	31521	29413	30675	30565	29790	28596		24%	25%	25%	25%	10%	10%
rejected %	53%	51%	52%	52%	39%	39%	grade 1 events	115	107	111	113	125	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	5110	5389	4974	4820	15542	9573
								8%	9%	8%	8%	20%	13%
							grade 3 events	1906	1879	1927	1847	2131	4004
								3%	3%	3%	3%	2%	5%
							grade 4 events	1816	1873	1924	1963	2087	4081
								3%	3%	3%	3%	2%	5%
							grade 5 events	1689	1813	1636	1883	4001	4637
								2%	3%	2%	3%	5%	6%
							grade 6 events	4165	4312	4059	4016	18380	18334
								7%	7%	6%	6%	24%	25%
							grade 7 events	29692	27466	28901	28533	25623	23862
								50%	47%	49%	48%	33%	32%

## 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	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	53.02842039889424	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	20.9765039843493	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	279.8296507110193	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	376967926.062102	376967925.03712			
Observation start date	2009-12-12T01:18:46	2009-12-12T01:18:45			
[s] Observation end time (MET)	376982848.012854	376982846.98787			
Observation end date	2009-12-12T05:27:28	2009-12-12T05:27:26			
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2703999878764

### A.2 Comments