

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55764 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

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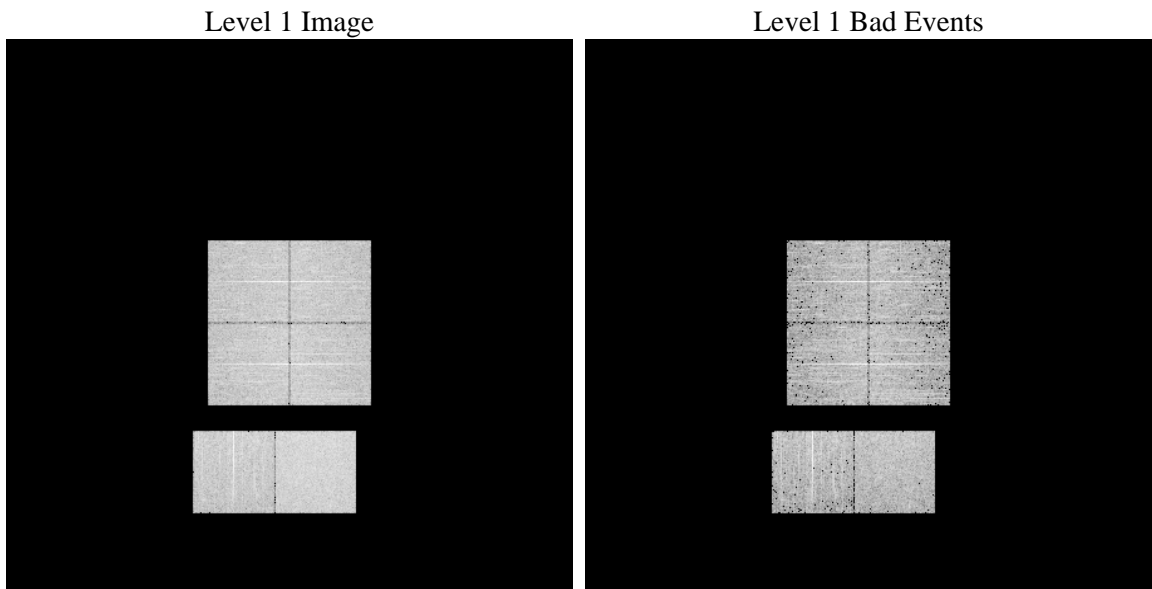
# 1 Front

seq_num	&#160	Sequence number
obs_id	55764	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	287.12915256408	Nominal RA [deg]
dec_nom	16.575384997256	Nominal Dec [deg]
roll_nom	172.36991873362	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4118.3999847174	Sum of GTIs [s]
livetime	4066.2503243081	Livetime [s]
ontime0	4118.3999847174	Sum of GTIs [s]
ontime1	4118.3999847174	Sum of GTIs [s]
ontime2	4118.3999847174	Sum of GTIs [s]
ontime3	4118.3999847174	Sum of GTIs [s]
ontime6	4118.3999847174	Sum of GTIs [s]
ontime7	4118.3999847174	Sum of GTIs [s]
l2events	173226	Number of level 2 events

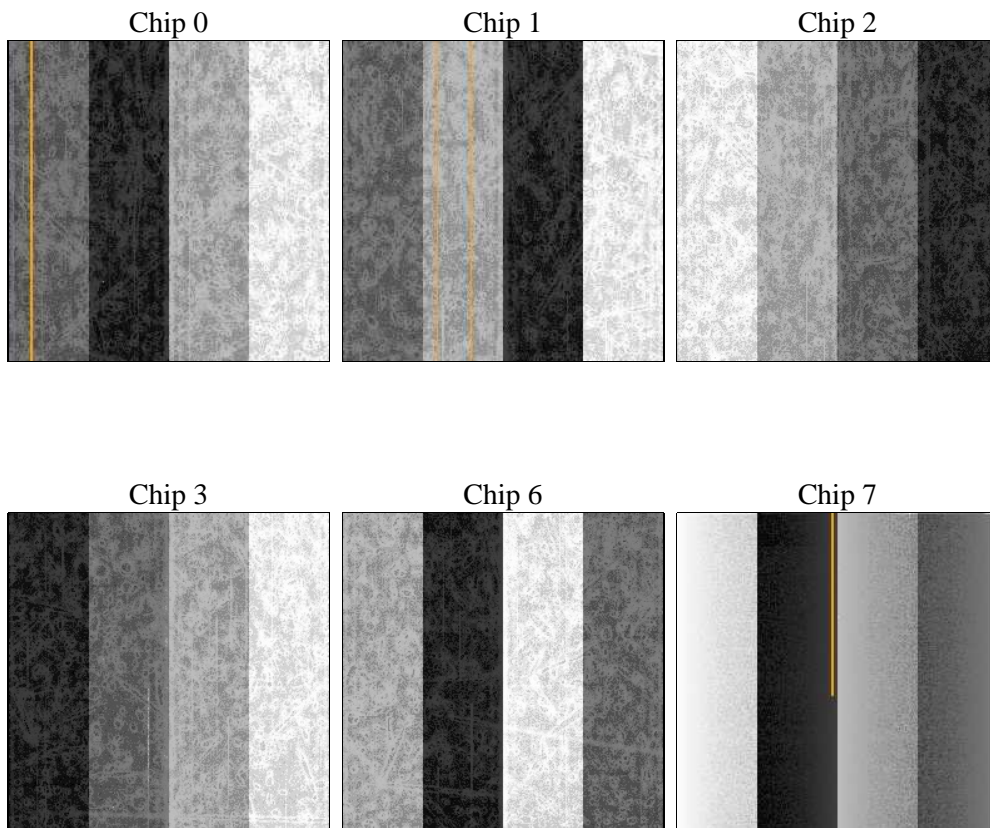
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	4118.3999847174	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	4118.3999847174	Sum of GTIs [s]
date	2012-02-01T08:36:16	Date and time of file creation	ontime1	4118.3999847174	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4118.3999847174	Sum of GTIs [s]
			ontime3	4118.3999847174	Sum of GTIs [s]
			ontime6	4118.3999847174	Sum of GTIs [s]
			ontime7	4118.3999847174	Sum of GTIs [s]
			l1events	365681	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	56029	56465	57531	58685	60643	76328	grade 0 events	14767	14495	14877	14899	14678	7539
rejected events	28263	28490	29960	31184	32126	32410		26%	25%	25%	25%	24%	9%
rejected %	50%	50%	52%	53%	52%	42%	grade 1 events	97	85	114	114	87	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	5128	5487	4953	4964	5239	9715
								9%	9%	8%	8%	8%	12%
							grade 3 events	1941	1908	1890	1857	1996	4029
								3%	3%	3%	3%	3%	5%
							grade 4 events	1893	1803	1981	1889	1895	3906
								3%	3%	3%	3%	3%	5%
							grade 5 events	1923	1969	1742	2045	2107	5126
								3%	3%	3%	3%	3%	6%
							grade 6 events	4288	4507	4117	4111	4950	19089
								7%	7%	7%	7%	8%	25%
							grade 7 events	25992	26211	27857	28806	29691	26864
								46%	46%	48%	49%	48%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	287.1291525640817
[deg] Pointing Dec	0	16.57538499725594
[deg] Pointing Roll	0.0	172.3699187336206
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	410327721.265279	410327721.265279
Observation start date	2011-01-02T03:55:21	2011-01-02T03:55:21
[s] Observation end time (MET)	410333137.353539	410333137.353539
Observation end date	2011-01-02T05:25:37	2011-01-02T05:25:37
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1183999847174

### A.2 Comments