

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54763 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 24 2012

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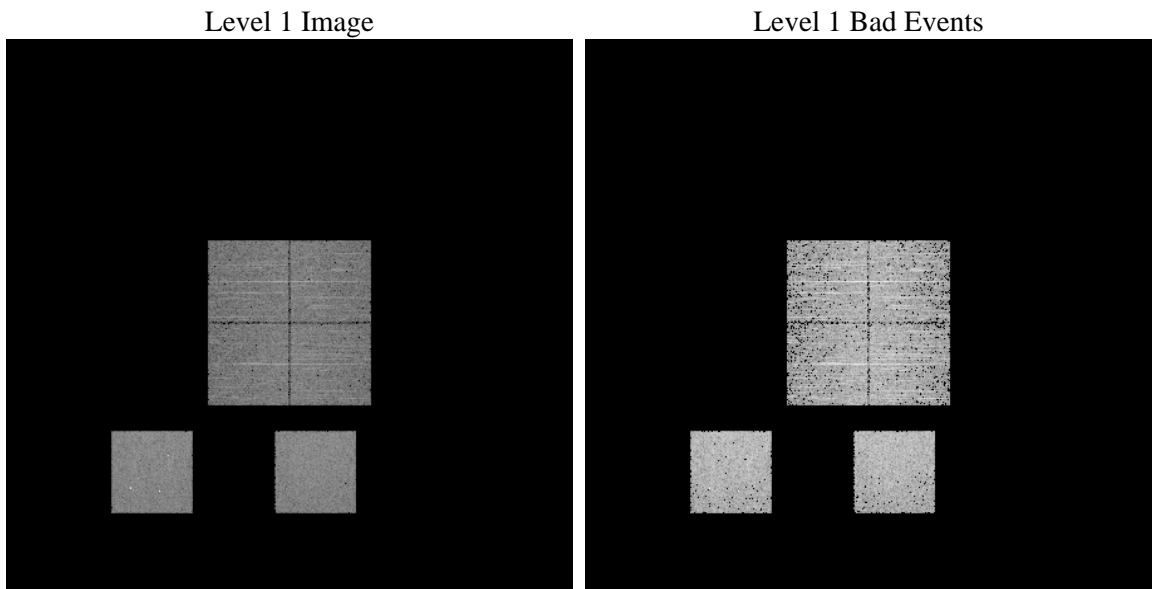
# 1 Front

seq_num	&#160	Sequence number
obs_id	54763	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	326.00340940372	Nominal RA [deg]
dec_nom	38.028367572967	Nominal Dec [deg]
roll_nom	52.413803776142	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3170.0564066172	Sum of GTIs [s]
livetime	3129.9152436178	Livetime [s]
ontime0	3170.0153666139	Sum of GTIs [s]
ontime1	3169.9743266106	Sum of GTIs [s]
ontime2	3169.9332866073	Sum of GTIs [s]
ontime3	3170.0974466205	Sum of GTIs [s]
ontime5	3169.892246604	Sum of GTIs [s]
ontime7	3170.0564066172	Sum of GTIs [s]
l2events	112165	Number of level 2 events

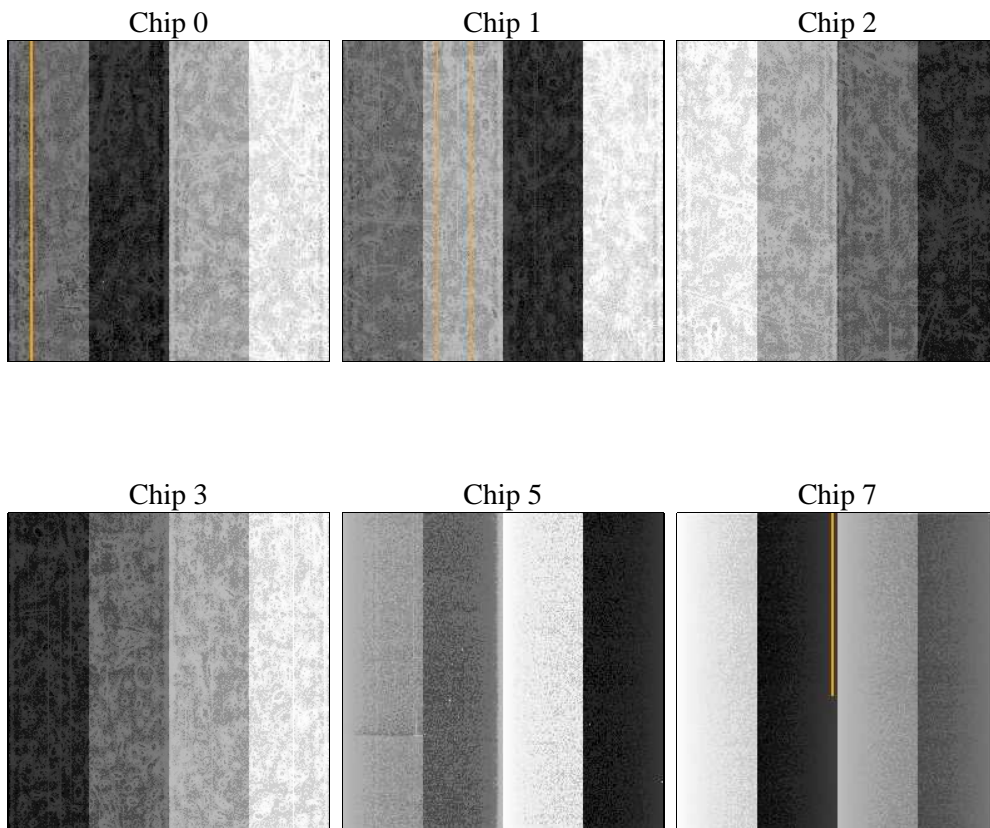
## 2 OBI

### 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	3170.0564066172	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	3170.0153666139	Sum of GTIs [s]
date	2012-03-24T20:03:00	Date and time of file creation	ontime1	3169.9743266106	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3169.9332866073	Sum of GTIs [s]
			ontime3	3170.0974466205	Sum of GTIs [s]
			ontime5	3169.892246604	Sum of GTIs [s]
			ontime7	3170.0564066172	Sum of GTIs [s]
			l1events	249953	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	35720	36334	36012	38124	53169	50594	grade 0 events	8887	8901	9200	9200	4894	4576
rejected events	19843	20119	20055	22110	24316	24224		24%	24%	25%	24%	9%	9%
rejected %	55%	55%	55%	57%	45%	47%	grade 1 events	42	45	61	61	108	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	3126	3406	3043	2995	10488	6138
								8%	9%	8%	7%	19%	12%
							grade 3 events	1140	1159	1188	1143	1268	2597
								3%	3%	3%	2%	2%	5%
							grade 4 events	1207	1095	1168	1207	1216	2469
								3%	3%	3%	3%	2%	4%
							grade 5 events	1300	1299	1259	1477	2878	3501
								3%	3%	3%	3%	5%	6%
							grade 6 events	2549	2745	2483	2511	12943	12345
								7%	7%	6%	6%	24%	24%
							grade 7 events	17469	17684	17610	19530	19374	18940
								48%	48%	48%	51%	36%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	326.0034094037162
[deg] Pointing Dec	0	38.02836757296721
[deg] Pointing Roll	0.0	52.41380377614178
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)	448946776.851044	448946776.851044
Observation start date	2012-03-24T03:26:17	2012-03-24T03:26:16
[s] Observation end time (MET)	448951414.401011	448951414.401011
Observation end date	2012-03-24T04:43:34	2012-03-24T04:43:34
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1700564066172

### A.2 Comments