

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54758 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 24 2012

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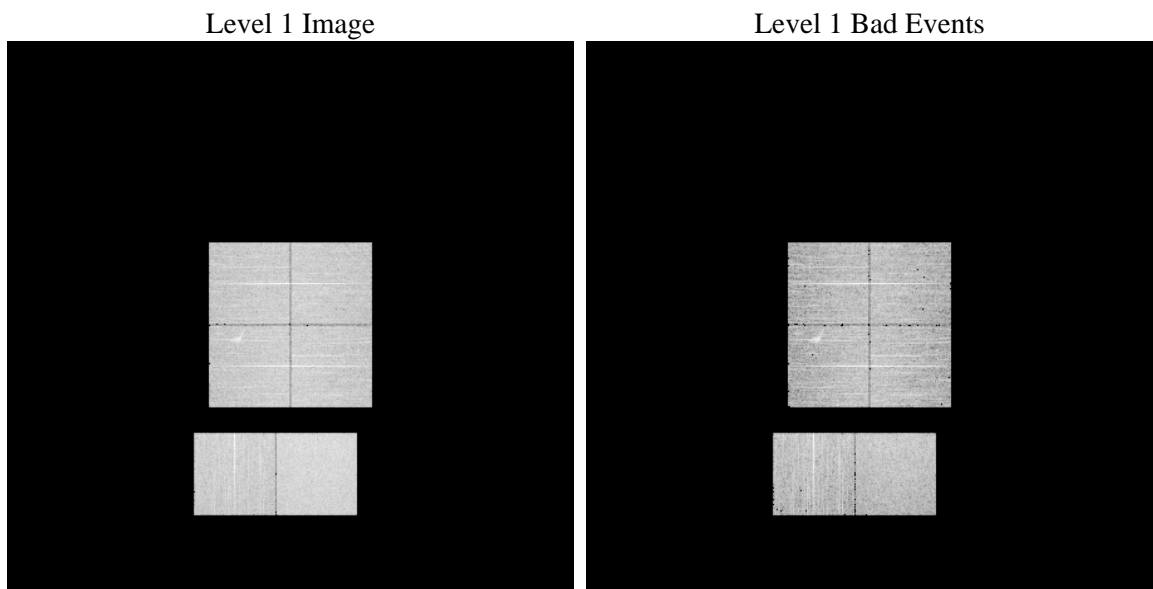
# 1 Front

seq_num	&#160	Sequence number
obs_id	54758	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	204.98406977065	Nominal RA [deg]
dec_nom	13.015134064266	Nominal Dec [deg]
roll_nom	123.10350052005	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8283.7135493755	Sum of GTIs [s]
livetime	8178.8201805599	Livetime [s]
ontime0	8283.6725093722	Sum of GTIs [s]
ontime1	8283.6314693689	Sum of GTIs [s]
ontime2	8280.349419117	Sum of GTIs [s]
ontime3	8283.7545893788	Sum of GTIs [s]
ontime6	8283.5493893623	Sum of GTIs [s]
ontime7	8283.7135493755	Sum of GTIs [s]
l2events	262265	Number of level 2 events

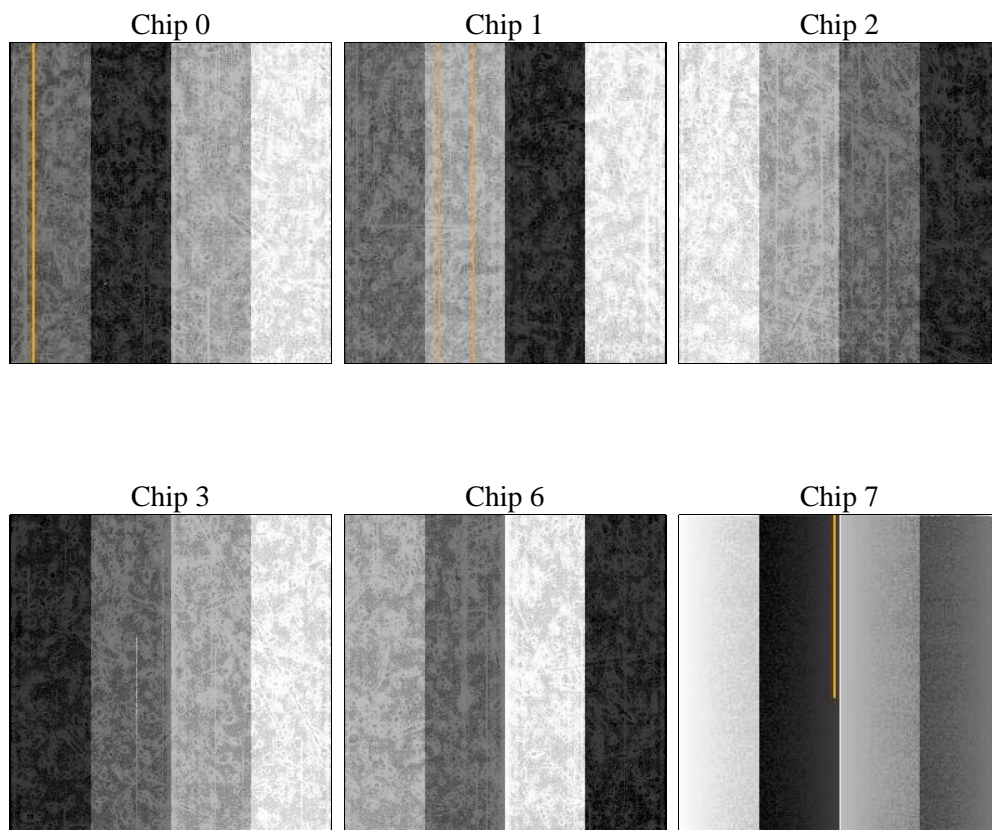
## 2 OBI

### 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	8283.7135493755	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8283.6725093722	Sum of GTIs [s]
date	2012-03-25T03:23:53	Date and time of file creation	ontime1	8283.6314693689	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8280.349419117	Sum of GTIs [s]
			ontime3	8283.7545893788	Sum of GTIs [s]
			ontime6	8283.5493893623	Sum of GTIs [s]
			ontime7	8283.7135493755	Sum of GTIs [s]
			l1events	586766	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	88433	89992	91842	94312	98536	123651	grade 0 events	20880	19148	22008	22145	19393	10547
rejected events	47091	48540	50404	52364	55764	55465		23%	21%	23%	23%	19%	8%
rejected %	53%	53%	54%	55%	56%	44%	grade 1 events	96	101	116	132	104	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	8524	10066	7510	7604	10527	15310
								9%	11%	8%	8%	10%	12%
							grade 3 events	2628	2493	2855	2892	2363	5549
								2%	2%	3%	3%	2%	4%
							grade 4 events	2669	2497	2796	2860	2413	5383
								3%	2%	3%	3%	2%	4%
							grade 5 events	2908	2902	2664	3192	2899	7555
								3%	3%	2%	3%	2%	6%
							grade 6 events	6641	7248	6269	6447	8076	31397
								7%	8%	6%	6%	8%	25%
							grade 7 events	44087	45537	47624	49040	52761	47815
								49%	50%	51%	51%	53%	38%

## 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	204.9840697706479	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	13.01513406426582	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	123.1035005200492	[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)	448969488.802248	448969487.77725			
Observation start date	2012-03-24T09:44:49	2012-03-24T09:44:47			
[s] Observation end time (MET)	448981694.502895	448981693.47789			
Observation end date	2012-03-24T13:08:15	2012-03-24T13:08:13			
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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2837135493755

### A.2 Comments