

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62032 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

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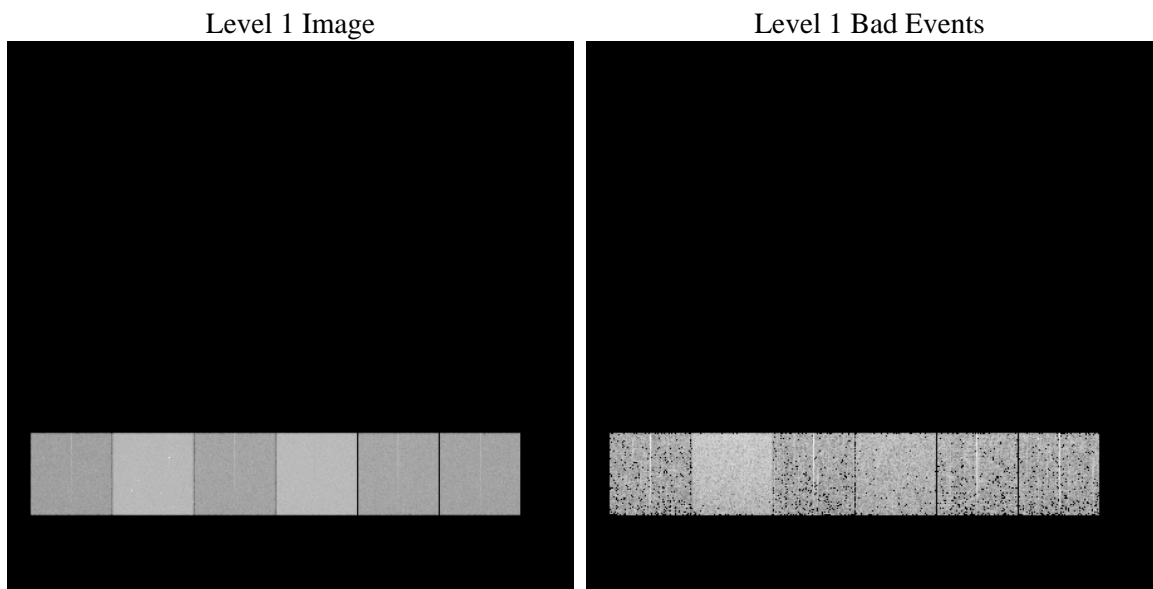
# 1 Front

seq_num	&#160	Sequence number
obs_id	62032	Observation id
title	ACIS-456789 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	275.91563379883	Nominal RA [deg]
dec_nom	72.783196898117	Nominal Dec [deg]
roll_nom	161.43680575284	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4188.9823362529	Sum of GTIs [s]
livetime	4135.938919609	Livetime [s]
ontime4	1670.833298102	Sum of GTIs [s]
ontime5	4480.7110028267	Sum of GTIs [s]
ontime6	1836.3024124652	Sum of GTIs [s]
ontime7	4188.9823362529	Sum of GTIs [s]
ontime8	1894.5060077459	Sum of GTIs [s]
ontime9	1806.7926282287	Sum of GTIs [s]
l2events	1230109	Number of level 2 events

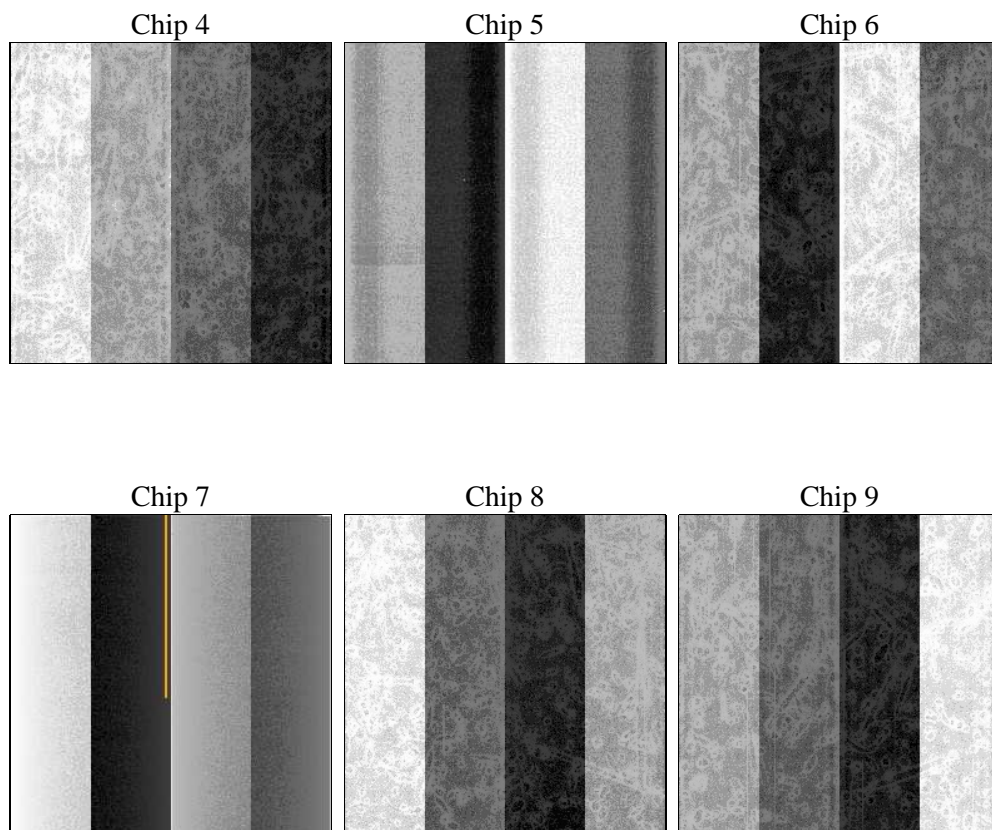
## 2 OBI

### 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	4188.9823362529	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1670.833298102	Sum of GTIs [s]
date	2012-08-28T23:46:19	Date and time of file creation	ontime5	4480.7110028267	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1836.3024124652	Sum of GTIs [s]
			ontime7	4188.9823362529	Sum of GTIs [s]
			ontime8	1894.5060077459	Sum of GTIs [s]
			ontime9	1806.7926282287	Sum of GTIs [s]
			l1events	1406033	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	148823	361436	173987	375278	180557	165952	grade 0 events	74682	84468	86406	91665	89661	82158
rejected events	16457	33937	16897	21519	18121	16589		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	9%	5%	10%	9%	grade 1 events	454	228	470	228	443	426
								0%	0%	0%	0%	0%	0%
							grade 2 events	23433	113614	27235	78729	28451	26393
								15%	31%	15%	20%	15%	15%
							grade 3 events	8191	22353	9630	36673	10181	9094
								5%	6%	5%	9%	5%	5%
							grade 4 events	8035	22130	9484	35635	10526	9381
								5%	6%	5%	9%	5%	5%
							grade 5 events	1105	7238	1223	4963	1392	1216
								0%	2%	0%	1%	0%	0%
							grade 6 events	18025	85168	24619	111291	23617	22579
								12%	23%	14%	29%	13%	13%
							grade 7 events	14898	26237	14920	16094	16286	14705
								10%	7%	8%	4%	9%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	275.9156337988258	Alternating exposures requested	N	N
[deg] Pointing Dec	0	72.78319689811738	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	161.4368057528386			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	76752432.333	76752431.564417			
Observation start date	2000-06-07T08:07:12	2000-06-07T08:07:11			
[s] Observation end time (MET)	76796882.485	76796881.716052			
Observation end date	2000-06-07T20:28:02	2000-06-07T20:28:01			
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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1889823362529

### A.2 Comments