

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57754 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 16 2012

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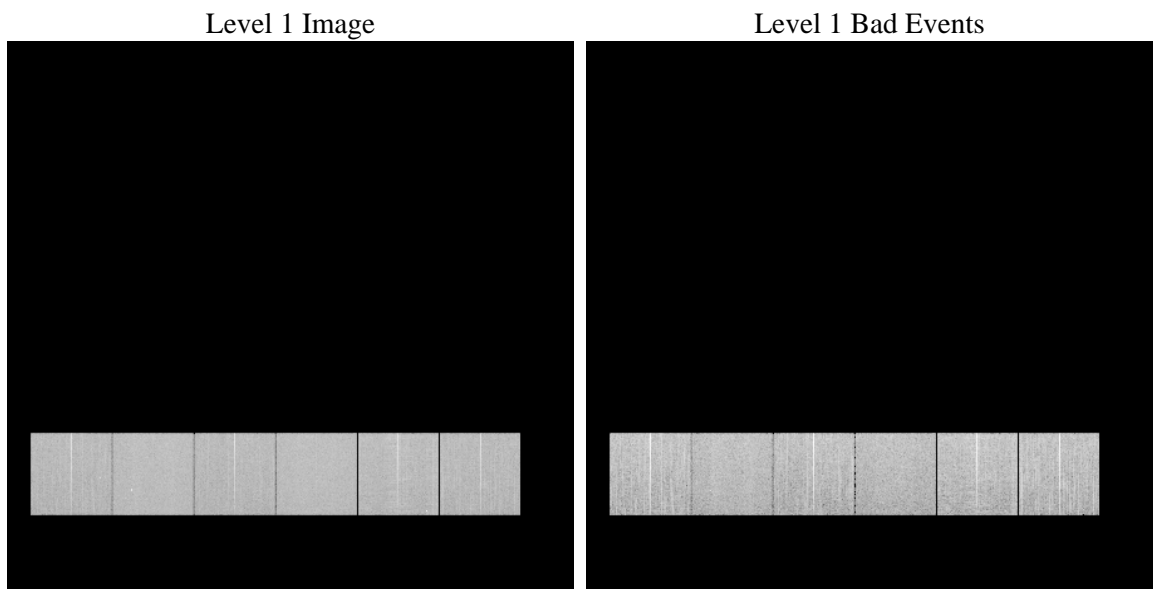
# 1 Front

seq_num	&#160	Sequence number
obs_id	57754	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	260.98041802897	Nominal RA [deg]
dec_nom	-0.020958257817401	Nominal Dec [deg]
roll_nom	194.10713140937	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8175.9999696016	Sum of GTIs [s]
livetime	8072.4705349904	Livetime [s]
ontime4	8175.9999696016	Sum of GTIs [s]
ontime5	8175.9999696016	Sum of GTIs [s]
ontime6	8175.9999696016	Sum of GTIs [s]
ontime7	8175.9999696016	Sum of GTIs [s]
ontime8	8175.9999696016	Sum of GTIs [s]
ontime9	8175.9999696016	Sum of GTIs [s]
l2events	615675	Number of level 2 events

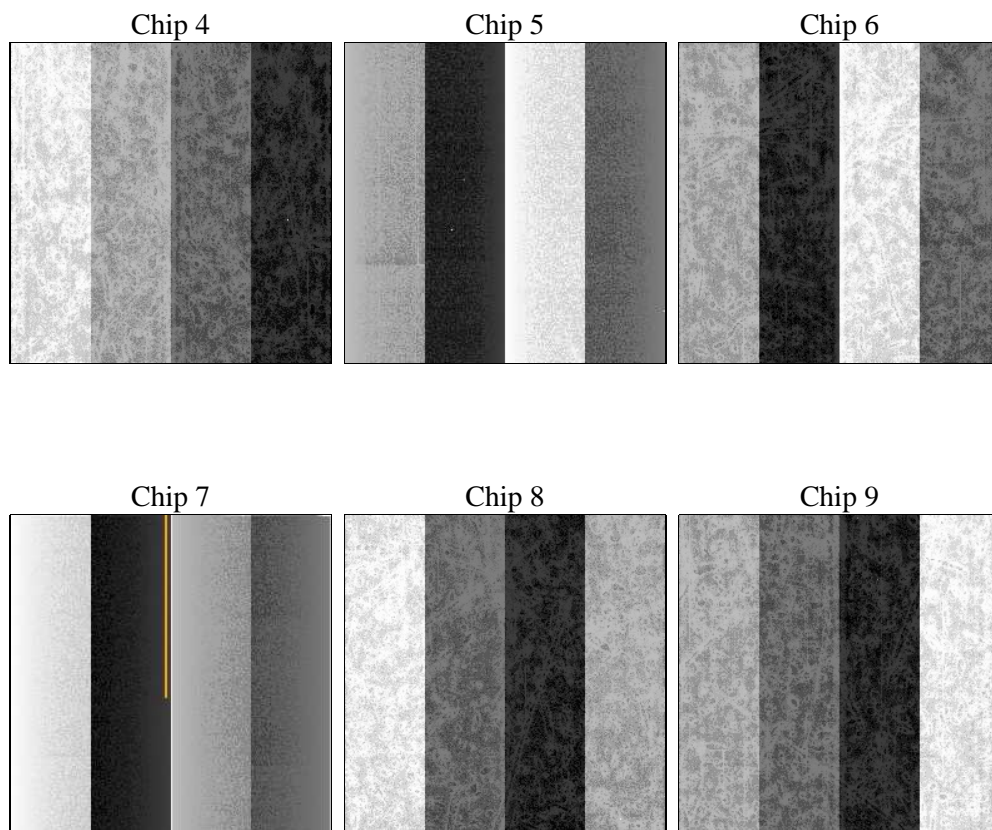
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8175.9999696016	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8175.9999696016	Sum of GTIs [s]
date	2012-05-16T16:45:27	Date and time of file creation	ontime5	8175.9999696016	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8175.9999696016	Sum of GTIs [s]
			ontime7	8175.9999696016	Sum of GTIs [s]
			ontime8	8175.9999696016	Sum of GTIs [s]
			ontime9	8175.9999696016	Sum of GTIs [s]
			l1events	1116331	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	175785	195347	176268	196057	194364	178510	grade 0 events	54820	18340	54275	25865	58635	53338
rejected events	81041	70097	75053	66162	80849	80570		31%	9%	30%	13%	30%	29%
rejected %	46%	35%	42%	33%	41%	45%	grade 1 events	484	194	335	170	347	388
								0%	0%	0%	0%	0%	0%
							grade 2 events	15150	47238	18096	28616	20804	16889
								8%	24%	10%	14%	10%	9%
							grade 3 events	6711	5742	6403	12186	8003	6501
								3%	2%	3%	6%	4%	3%
							grade 4 events	6603	5815	6517	12091	7776	6602
								3%	2%	3%	6%	4%	3%
							grade 5 events	3982	8966	4211	10368	5264	4714
								2%	4%	2%	5%	2%	2%
							grade 6 events	12510	49555	17089	52606	19488	15620
								7%	25%	9%	26%	10%	8%
							grade 7 events	75525	59497	69342	54155	74047	74458
								42%	30%	39%	27%	38%	41%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	260.9804180289715
[deg] Pointing Dec	0	-0.02095825781740106
[deg] Pointing Roll	0.0	194.1071314093724
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	330169921.777406	330169920.7524
Observation start date	2008-06-18T09:52:02	2008-06-18T09:52:00
[s] Observation end time (MET)	330182978.228045	330182977.20303
Observation end date	2008-06-18T13:29:38	2008-06-18T13:29:37
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1759999696016

### **A.2 Comments**