

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61740 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Sep 16 2012

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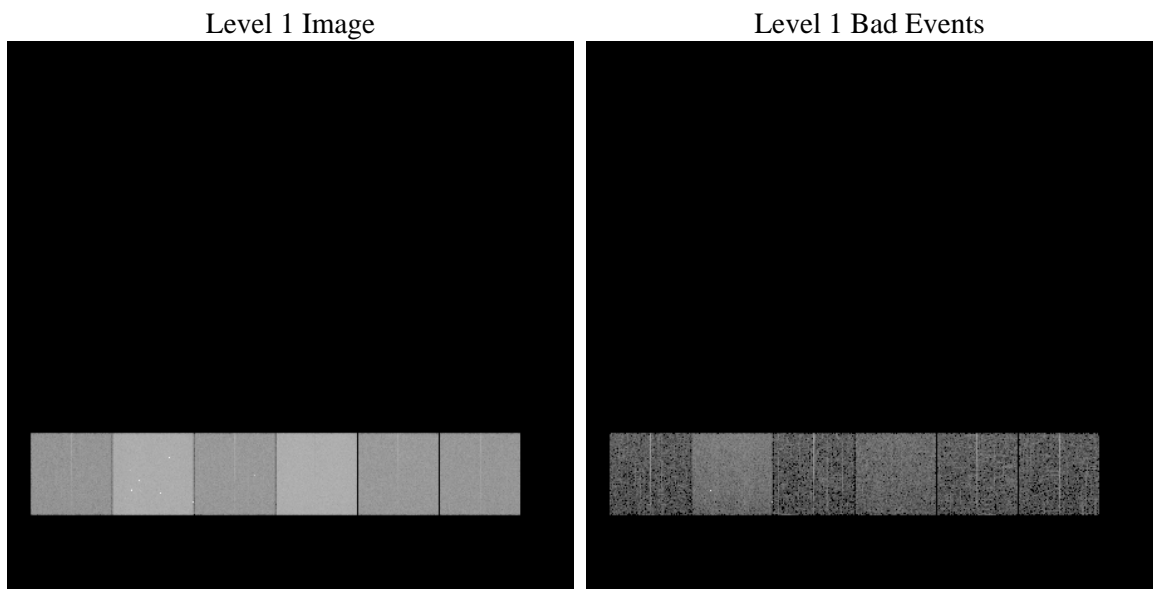
# 1 Front

seq_num	&#160	Sequence number
obs_id	61740	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	260.99438639869	Nominal RA [deg]
dec_nom	60.028546454316	Nominal Dec [deg]
roll_nom	62.995737763908	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4984.6884387434	Sum of GTIs [s]
livetime	4921.569312313	Livetime [s]
ontime4	2038.5437002331	Sum of GTIs [s]
ontime5	5282.8570112139	Sum of GTIs [s]
ontime6	2233.0470899045	Sum of GTIs [s]
ontime7	4984.6884387434	Sum of GTIs [s]
ontime8	2245.9291698635	Sum of GTIs [s]
ontime9	2152.048551172	Sum of GTIs [s]
l2events	1231493	Number of level 2 events

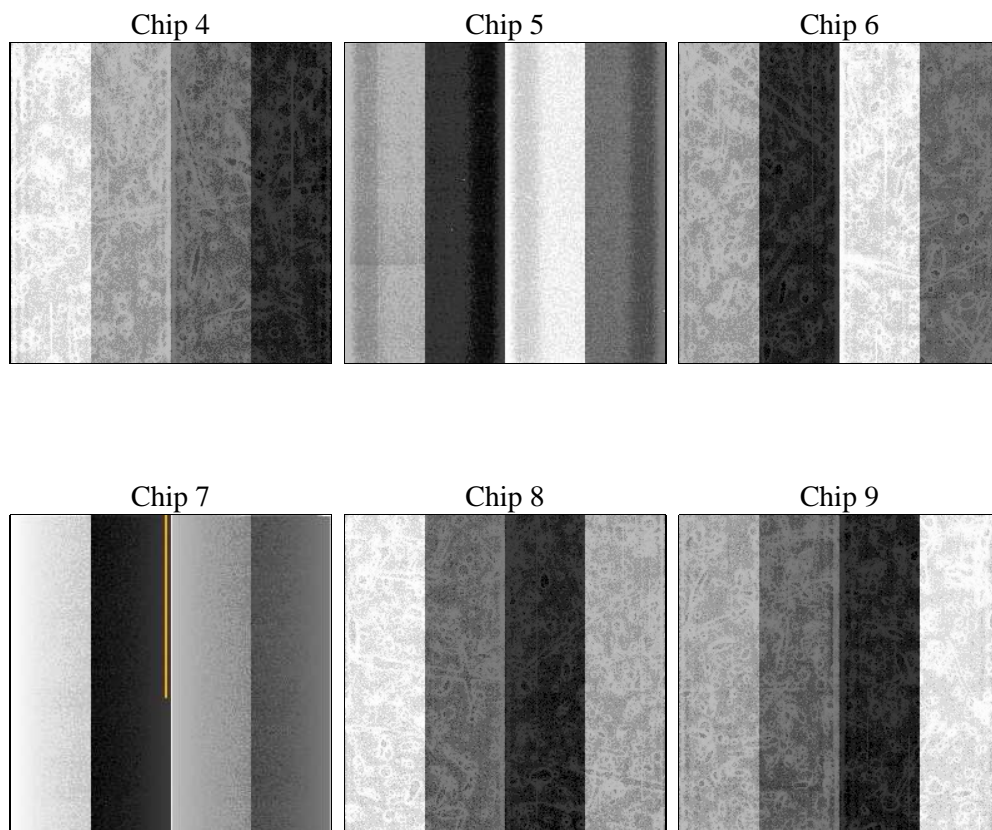
## 2 OBI

### 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	4984.6884387434	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2038.5437002331	Sum of GTIs [s]
date	2012-09-16T10:18:41	Date and time of file creation	ontime5	5282.8570112139	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2233.0470899045	Sum of GTIs [s]
			ontime7	4984.6884387434	Sum of GTIs [s]
			ontime8	2245.9291698635	Sum of GTIs [s]
			ontime9	2152.048551172	Sum of GTIs [s]
			l1events	1425986	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	152851	368351	178548	379034	180889	166313	grade 0 events	77325	77200	88637	90542	89556	82149
rejected events	16831	40973	17001	24939	18678	16643		50%	20%	49%	23%	49%	49%
rejected %	11%	11%	9%	6%	10%	10%	grade 1 events	406	314	435	213	435	391
								0%	0%	0%	0%	0%	0%
							grade 2 events	23726	121487	27815	78226	28769	26358
								15%	32%	15%	20%	15%	15%
							grade 3 events	8393	19764	9953	36185	10098	9243
								5%	5%	5%	9%	5%	5%
							grade 4 events	8170	19234	9850	35726	10146	9162
								5%	5%	5%	9%	5%	5%
							grade 5 events	1181	8232	1373	5506	1422	1345
								0%	2%	0%	1%	0%	0%
							grade 6 events	18406	89693	25292	113416	23642	22758
								12%	24%	14%	29%	13%	13%
							grade 7 events	15244	32427	15193	19220	16821	14907
								9%	8%	8%	5%	9%	8%

## 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	260.9943863986902
[deg] Pointing Dec	0	60.02854645431627
[deg] Pointing Roll	0.0	62.99573776390781
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	98455703.20183501	98455702.433369
Observation start date	2001-02-13T12:48:23	2001-02-13T12:48:22
[s] Observation end time (MET)	98467232.402279	98467231.63381299
Observation end date	2001-02-13T16:00:32	2001-02-13T16:00:31
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9846884387434

### A.2 Comments