

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62142 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 23 2012

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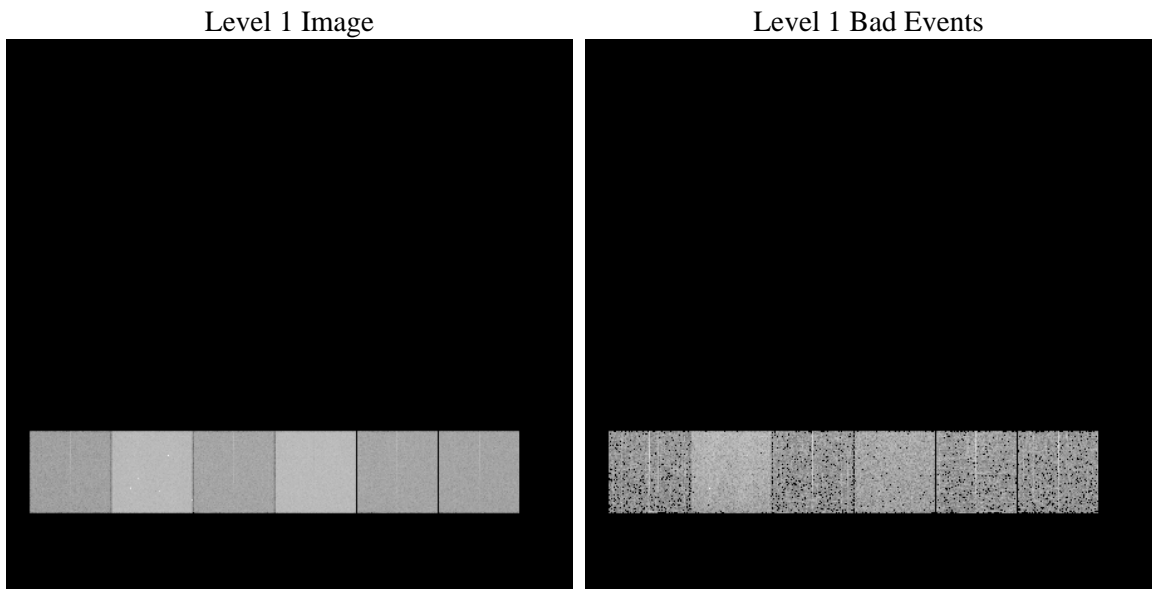
# 1 Front

seq_num	&#160	Sequence number
obs_id	62142	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	251.48740786557	Nominal RA [deg]
dec_nom	-11.773521216188	Nominal Dec [deg]
roll_nom	82.690838304357	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2888.4763408005	Sum of GTIs [s]
livetime	2851.9007141417	Livetime [s]
ontime4	1144.0856312066	Sum of GTIs [s]
ontime5	3095.1800201684	Sum of GTIs [s]
ontime6	1286.6913609058	Sum of GTIs [s]
ontime7	2888.4763408005	Sum of GTIs [s]
ontime8	1286.6913609058	Sum of GTIs [s]
ontime9	1254.2809909135	Sum of GTIs [s]
l2events	912627	Number of level 2 events

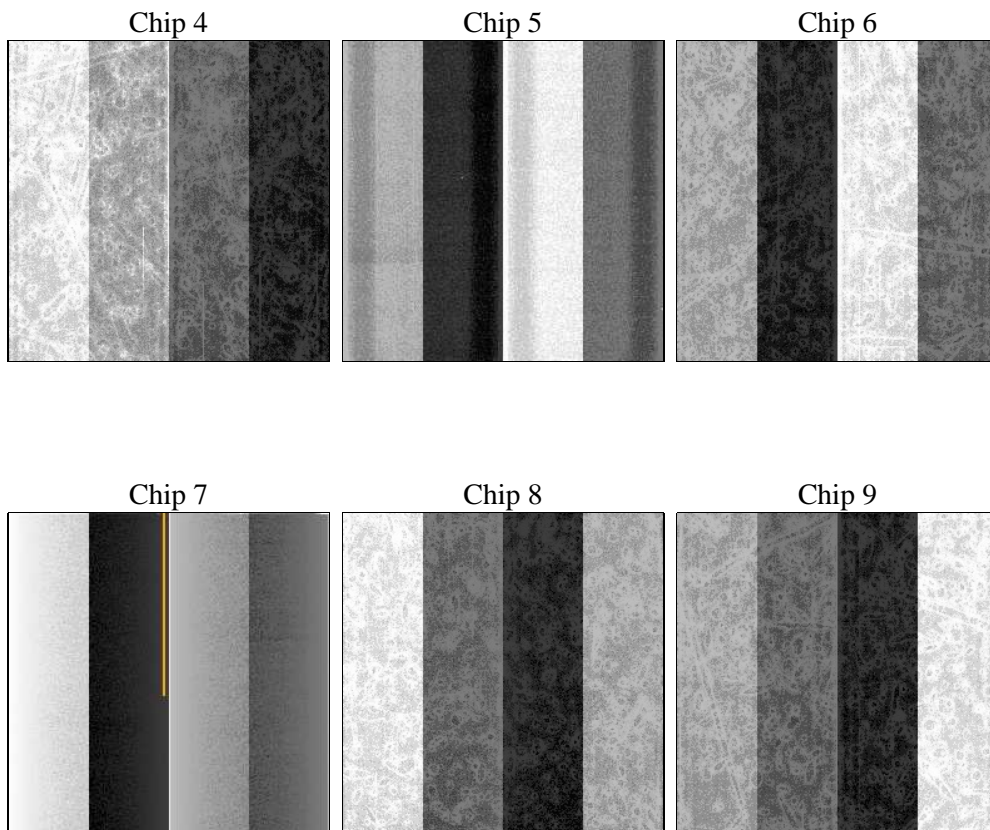
## 2 OBI

### 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	2888.4763408005	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	1144.0856312066	Sum of GTIs [s]
date	2012-08-23T18:46:25	Date and time of file creation	ontime5	3095.1800201684	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1286.6913609058	Sum of GTIs [s]
			ontime7	2888.4763408005	Sum of GTIs [s]
			ontime8	1286.6913609058	Sum of GTIs [s]
			ontime9	1254.2809909135	Sum of GTIs [s]
			l1events	1065308	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	111531	275213	133099	285399	134375	125691	grade 0 events	55760	64393	66097	69547	66353	62030
rejected events	14573	30566	15104	21891	16588	14985		49%	23%	49%	24%	49%	49%
rejected %	13%	11%	11%	7%	12%	11%	grade 1 events	374	188	376	201	396	399
								0%	0%	0%	0%	0%	0%
							grade 2 events	17364	86716	20655	59753	21090	19851
								15%	31%	15%	20%	15%	15%
							grade 3 events	5985	16761	7357	27733	7592	7057
								5%	6%	5%	9%	5%	5%
							grade 4 events	6130	16780	7367	27437	7631	7037
								5%	6%	5%	9%	5%	5%
							grade 5 events	866	5463	978	3789	1039	1009
								0%	1%	0%	1%	0%	0%
							grade 6 events	13393	64975	18922	84586	17846	16944
								12%	23%	14%	29%	13%	13%
							grade 7 events	11659	19937	11347	12353	12428	11364
								10%	7%	8%	4%	9%	9%

## 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	251.4874078655659	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-11.77352121618757	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	82.69083830435738			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	68345363.575	68345362.806188			
Observation start date	2000-03-02T00:49:24	2000-03-02T00:49:22			
[s] Observation end time (MET)	68352663.625	68352662.856455			
Observation end date	2000-03-02T02:51:04	2000-03-02T02:51:02			
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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8884763408005

## A.2 Comments