

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62159 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 23 2012

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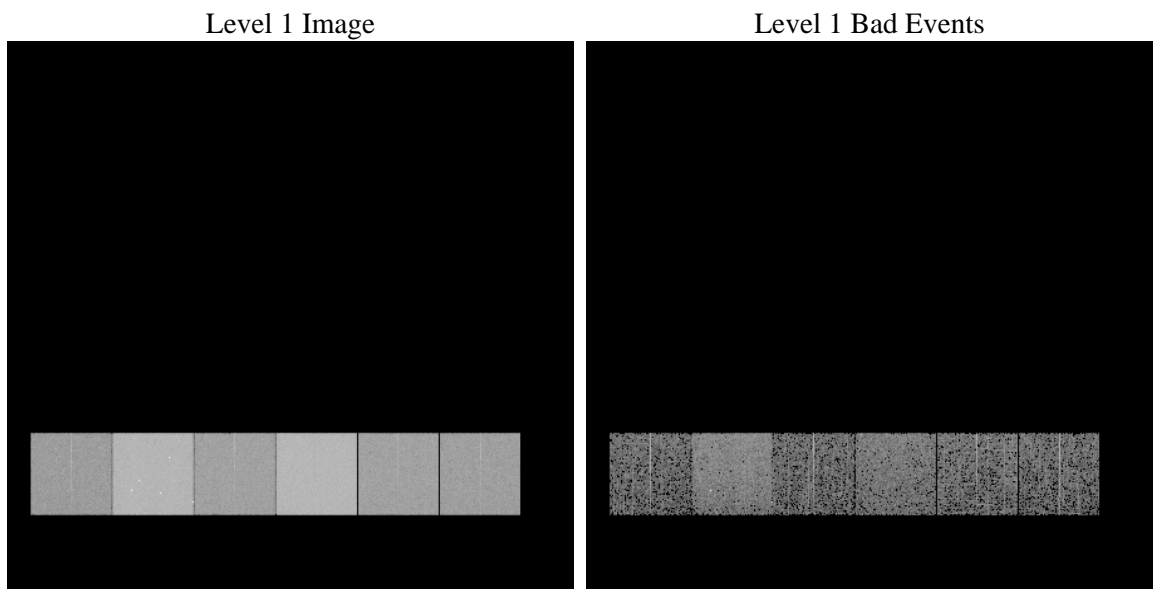
# 1 Front

seq_num	&#160	Sequence number
obs_id	62159	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	119.98805156997	Nominal RA [deg]
dec_nom	54.972303369853	Nominal Dec [deg]
roll_nom	225.60165521347	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2917.1806703061	Sum of GTIs [s]
livetime	2880.2415721434	Livetime [s]
ontime4	1172.6405670643	Sum of GTIs [s]
ontime5	3098.6754398793	Sum of GTIs [s]
ontime6	1318.446326673	Sum of GTIs [s]
ontime7	2917.1806703061	Sum of GTIs [s]
ontime8	1316.1136838645	Sum of GTIs [s]
ontime9	1254.5339738578	Sum of GTIs [s]
l2events	926983	Number of level 2 events

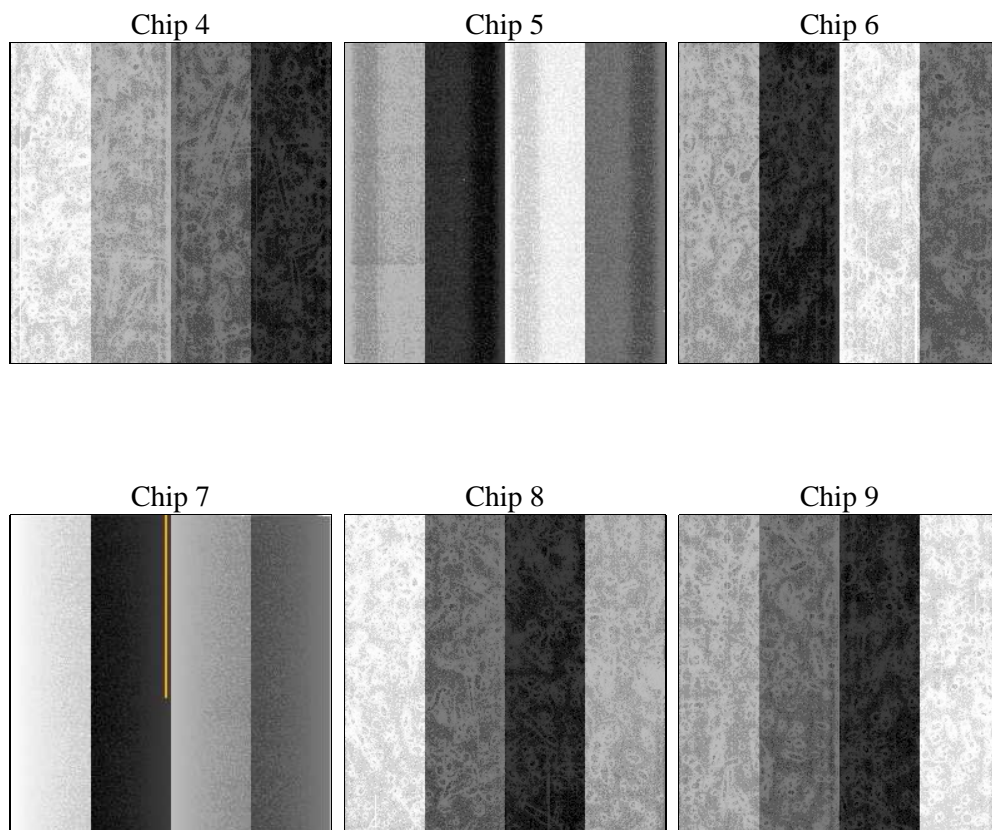
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2917.1806703061	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1172.6405670643	Sum of GTIs [s]
date	2012-08-23T14:05:07	Date and time of file creation	ontime5	3098.6754398793	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1318.446326673	Sum of GTIs [s]
			ontime7	2917.1806703061	Sum of GTIs [s]
			ontime8	1316.1136838645	Sum of GTIs [s]
			ontime9	1254.5339738578	Sum of GTIs [s]
			l1events	1064898	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	112653	274428	134862	283704	135851	123400	grade 0 events	57071	63977	66971	68799	67140	60974
rejected events	12864	26347	12700	17080	14798	12790		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	9%	6%	10%	10%	grade 1 events	334	282	369	181	352	339
								0%	0%	0%	0%	0%	0%
							grade 2 events	17537	86687	20919	59018	21350	19254
								15%	31%	15%	20%	15%	15%
							grade 3 events	6036	16489	7538	27263	7604	6943
								5%	6%	5%	9%	5%	5%
							grade 4 events	6039	16569	7560	27333	7661	6850
								5%	6%	5%	9%	5%	5%
							grade 5 events	834	5648	1001	3863	1138	952
								0%	2%	0%	1%	0%	0%
							grade 6 events	13106	64611	19174	84507	17618	16879
								11%	23%	14%	29%	12%	13%
							grade 7 events	11696	20165	11330	12740	12988	11209
								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	119.9880515699694	Alternating exposures requested	N	N
[deg] Pointing Dec	0	54.97230336985282	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	225.6016552134674			
[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)	67616549.59806	67616548.829593			
Observation start date	2000-02-22T14:22:30	2000-02-22T14:22:28			
[s] Observation end time (MET)	67659648.79963399	67659648.03116401			
Observation end date	2000-02-23T02:20:49	2000-02-23T02:20:48			
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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9171806703061

### A.2 Comments