

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62018 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 29 2012

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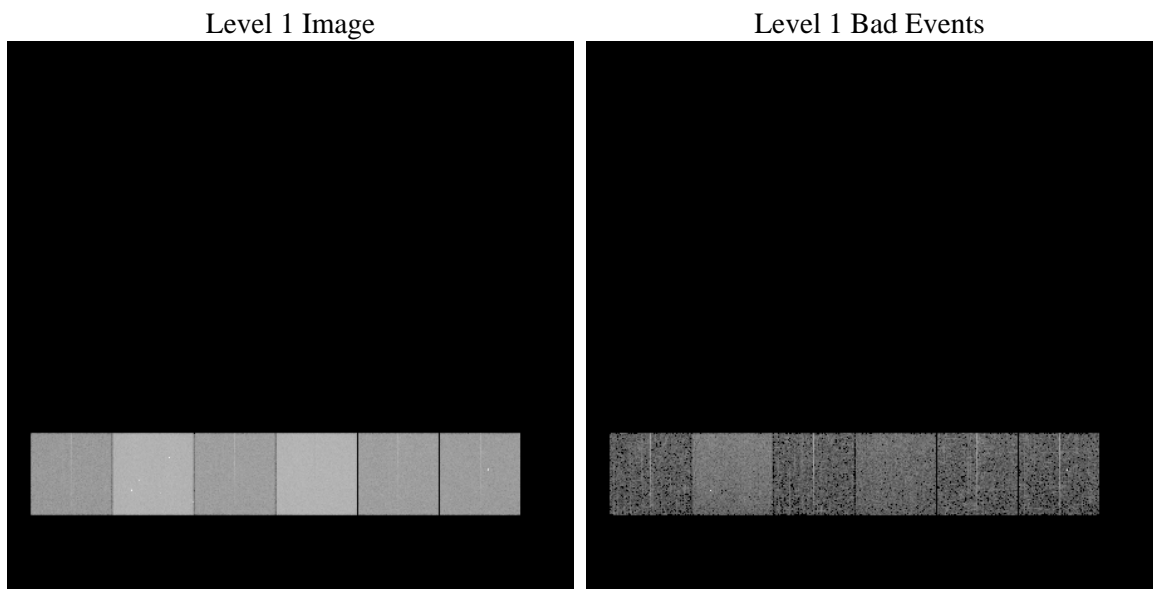
# 1 Front

seq_num	&#160	Sequence number
obs_id	62018	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	140.97552266294	Nominal RA [deg]
dec_nom	-61.577918946555	Nominal Dec [deg]
roll_nom	223.79007714937	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4307.3252201676	Sum of GTIs [s]
livetime	4252.78327467	Livetime [s]
ontime4	1704.7855799198	Sum of GTIs [s]
ontime5	4614.0949642956	Sum of GTIs [s]
ontime6	1925.1762494892	Sum of GTIs [s]
ontime7	4307.3252201676	Sum of GTIs [s]
ontime8	1908.9710993767	Sum of GTIs [s]
ontime9	1850.6323795319	Sum of GTIs [s]
l2events	1254017	Number of level 2 events

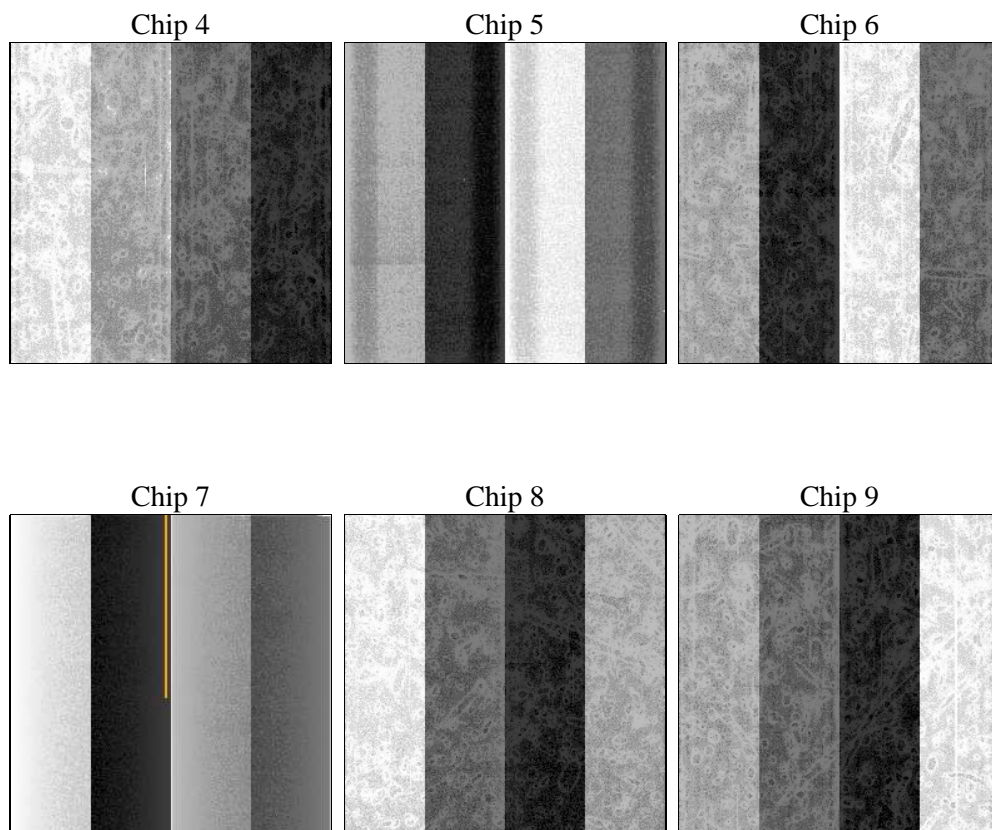
## 2 OBI

### 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	4307.3252201676	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1704.7855799198	Sum of GTIs [s]
date	2012-08-29T15:15:31	Date and time of file creation	ontime5	4614.0949642956	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1925.1762494892	Sum of GTIs [s]
			ontime7	4307.3252201676	Sum of GTIs [s]
			ontime8	1908.9710993767	Sum of GTIs [s]
			ontime9	1850.6323795319	Sum of GTIs [s]
			l1events	1435389	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	150839	371305	180790	382963	180950	168542	grade 0 events	75946	87149	89639	93646	89355	83345
rejected events	16816	35702	16885	22339	18814	16716		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	9%	5%	10%	9%	grade 1 events	468	260	494	243	467	993
								0%	0%	0%	0%	0%	0%
							grade 2 events	23371	116207	28235	80707	28817	26681
								15%	31%	15%	21%	15%	15%
							grade 3 events	8202	22748	10250	36874	10366	9351
								5%	6%	5%	9%	5%	5%
							grade 4 events	8205	22462	10099	36876	10079	9515
								5%	6%	5%	9%	5%	5%
							grade 5 events	1162	7248	1366	5281	1516	1272
								0%	1%	0%	1%	0%	0%
							grade 6 events	18299	87037	25682	112521	23519	22934
								12%	23%	14%	29%	12%	13%
							grade 7 events	15186	28194	15025	16815	16831	14451
								10%	7%	8%	4%	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	140.9755226629411
[deg] Pointing Dec	0	-61.5779189465554
[deg] Pointing Roll	0.0	223.7900771493729
[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)	78122746.683364	78122745.91489799
Observation start date	2000-06-23T04:45:47	2000-06-23T04:45:45
[s] Observation end time (MET)	78168777.38506199	78168776.616595
Observation end date	2000-06-23T17:32:57	2000-06-23T17:32:56
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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3073252201676

### A.2 Comments