

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61484 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 23 2012

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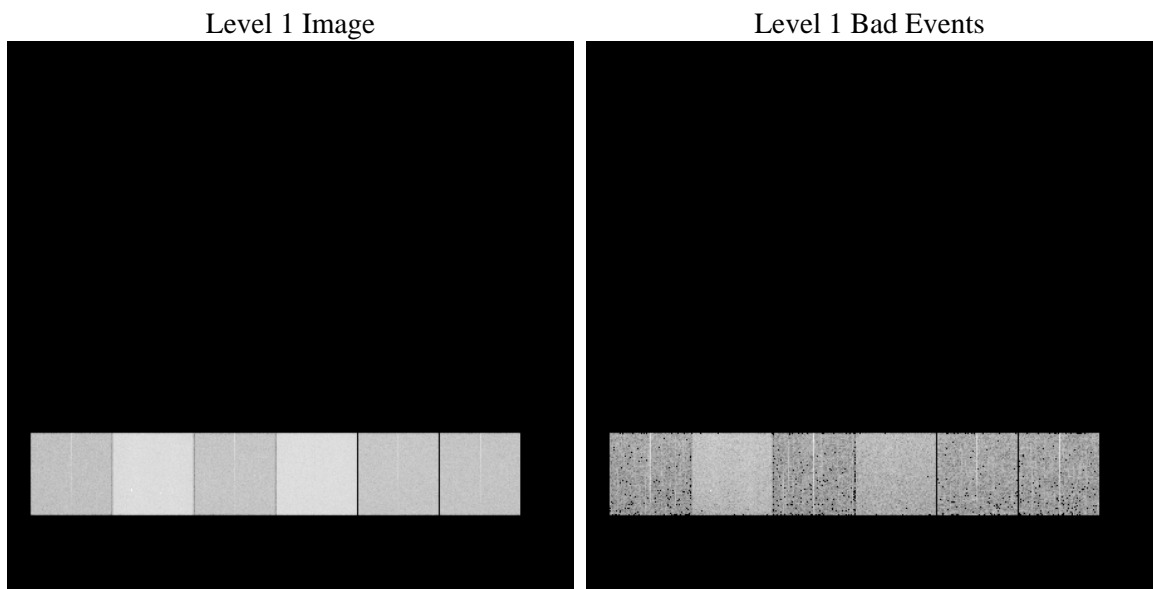
# 1 Front

seq_num	&#160	Sequence number
obs_id	61484	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	0.70013930825095	Nominal RA [deg]
dec_nom	17.232678974779	Nominal Dec [deg]
roll_nom	141.89318897126	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6250.7879997939	Sum of GTIs [s]
livetime	6171.6367583678	Livetime [s]
ontime4	2374.7148916721	Sum of GTIs [s]
ontime5	6756.3779204488	Sum of GTIs [s]
ontime6	2627.4746421427	Sum of GTIs [s]
ontime7	6250.7879997939	Sum of GTIs [s]
ontime8	2656.7261418849	Sum of GTIs [s]
ontime9	2565.771951586	Sum of GTIs [s]
l2events	1307587	Number of level 2 events

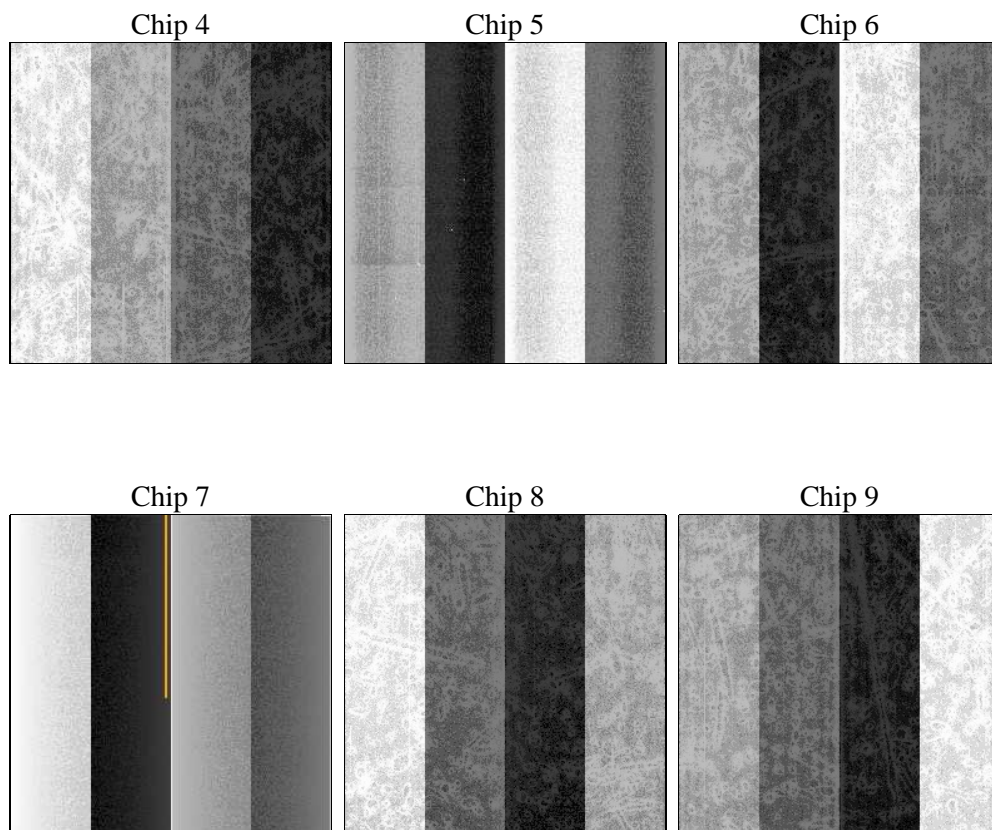
## 2 OBI

### 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	6250.7879997939	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2374.7148916721	Sum of GTIs [s]
date	2012-09-23T16:45:42	Date and time of file creation	ontime5	6756.3779204488	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2627.4746421427	Sum of GTIs [s]
			ontime7	6250.7879997939	Sum of GTIs [s]
			ontime8	2656.7261418849	Sum of GTIs [s]
			ontime9	2565.771951586	Sum of GTIs [s]
			l1events	1545927	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	158466	413055	185305	422518	190480	176103	grade 0 events	76530	75979	90090	98713	93243	85231
rejected events	22502	54576	22317	37282	24019	22578		48%	18%	48%	23%	48%	48%
rejected %	14%	13%	12%	8%	12%	12%	grade 1 events	375	256	419	263	442	406
								0%	0%	0%	0%	0%	0%
							grade 2 events	26071	141778	28739	85866	29643	27687
								16%	34%	15%	20%	15%	15%
							grade 3 events	8115	20292	9984	39349	10454	9438
								5%	4%	5%	9%	5%	5%
							grade 4 events	7960	19863	9830	38978	10214	9398
								5%	4%	5%	9%	5%	5%
							grade 5 events	1308	9328	1570	6771	1654	1529
								0%	2%	0%	1%	0%	0%
							grade 6 events	18805	104399	26116	126831	24696	23697
								11%	25%	14%	30%	12%	13%
							grade 7 events	19302	41160	18557	25747	20134	18717
								12%	9%	10%	6%	10%	10%

## 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	0.7001393082509535
[deg] Pointing Dec	0	17.23267897477911
[deg] Pointing Roll	0.0	141.8931889712616
[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)	115855464.279699	115855463.51121
Observation start date	2001-09-02T22:04:24	2001-09-02T22:04:23
[s] Observation end time (MET)	115876774.030543	115876773.26205
Observation end date	2001-09-03T03:59:34	2001-09-03T03:59:33
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2507879997939

### A.2 Comments