

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60541 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 4 2012

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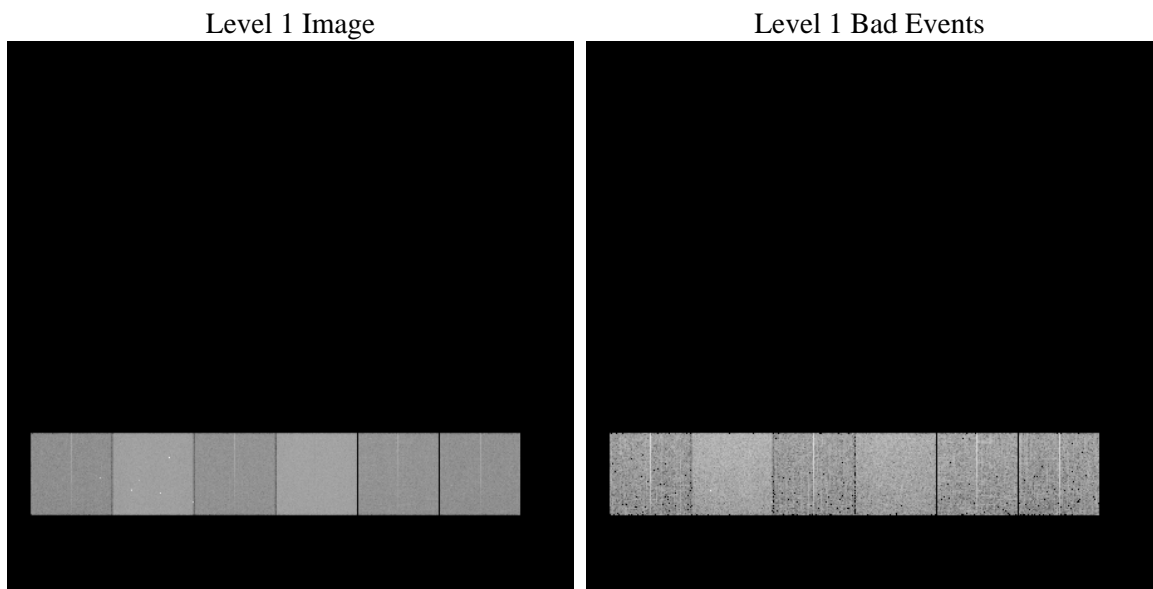
# 1 Front

seq_num	&#160	Sequence number
obs_id	60541	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	350.00271758988	Nominal RA [deg]
dec_nom	9.9714626636642	Nominal Dec [deg]
roll_nom	242.49065853614	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime4	3960.4056456089	Sum of GTIs [s]
ontime5	7801.5999709368	Sum of GTIs [s]
ontime6	4327.2771809995	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
ontime8	4405.0613053739	Sum of GTIs [s]
ontime9	4145.7815021574	Sum of GTIs [s]
l2events	1140536	Number of level 2 events

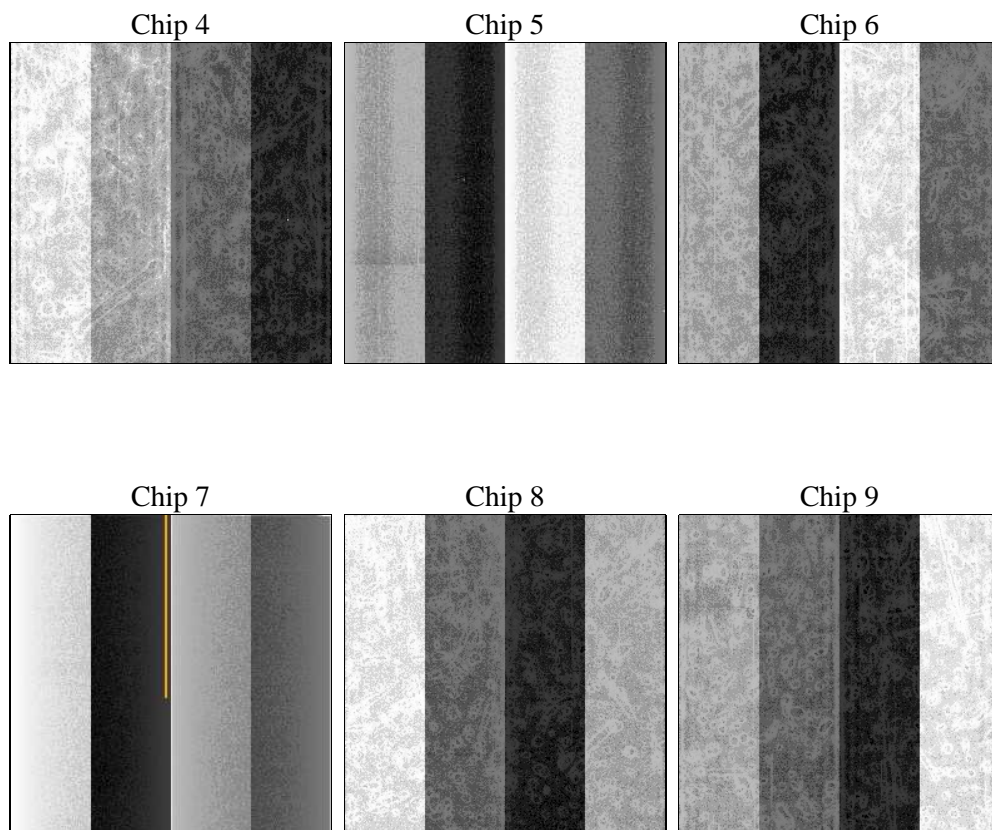
## 2 OBI

### 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	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	3960.4056456089	Sum of GTIs [s]
date	2012-11-04T18:21:20	Date and time of file creation	ontime5	7801.5999709368	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4327.2771809995	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			ontime8	4405.0613053739	Sum of GTIs [s]
			ontime9	4145.7815021574	Sum of GTIs [s]
			l1events	1419199	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	169856	321769	196127	345800	203776	181871	grade 0 events	81322	67922	90296	76240	92987	83359
rejected events	29852	50341	30438	42435	34038	30188		47%	21%	46%	22%	45%	45%
rejected %	17%	15%	15%	12%	16%	16%	grade 1 events	543	321	465	192	448	467
								0%	0%	0%	0%	0%	0%
							grade 2 events	22180	93522	28824	66998	29790	26123
								13%	29%	14%	19%	14%	14%
							grade 3 events	9215	17701	10210	30622	11063	9683
								5%	5%	5%	8%	5%	5%
							grade 4 events	9301	17435	10429	30331	10852	9688
								5%	5%	5%	8%	5%	5%
							grade 5 events	1813	8869	2119	8043	2551	2229
								1%	2%	1%	2%	1%	1%
							grade 6 events	17986	74967	26046	99295	25170	22950
								10%	23%	13%	28%	12%	12%
							grade 7 events	27496	41032	27738	34079	30915	27372
								16%	12%	14%	9%	15%	15%

## 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	350.002717589882
[deg] Pointing Dec	0	9.971462663664152
[deg] Pointing Roll	0.0	242.4906585361369
[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)	181160710.03306	181160709.00835
Observation start date	2003-09-28T18:25:10	2003-09-28T18:25:09
[s] Observation end time (MET)	181179377.333861	181179376.30915
Observation end date	2003-09-28T23:36:17	2003-09-28T23:36:16
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	0.000000	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)	2012.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

### A.2 Comments