

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61605 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Sep 17 2012

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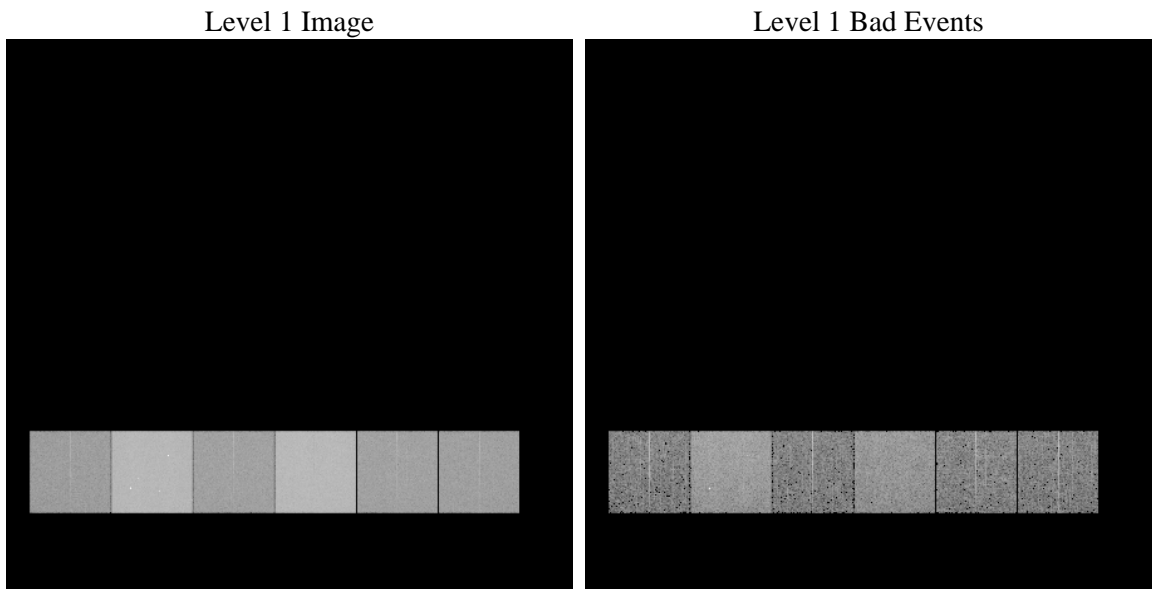
# 1 Front

seq_num	&#160	Sequence number
obs_id	61605	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	345.97131597538	Nominal RA [deg]
dec_nom	45.020322912542	Nominal Dec [deg]
roll_nom	102.20267242637	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5271.7629667968	Sum of GTIs [s]
livetime	5205.0087298366	Livetime [s]
ontime4	2024.4052376002	Sum of GTIs [s]
ontime5	5642.7448522449	Sum of GTIs [s]
ontime6	2222.0673479885	Sum of GTIs [s]
ontime7	5271.7629667968	Sum of GTIs [s]
ontime8	2218.9084776789	Sum of GTIs [s]
ontime9	2137.6774773002	Sum of GTIs [s]
l2events	1185200	Number of level 2 events

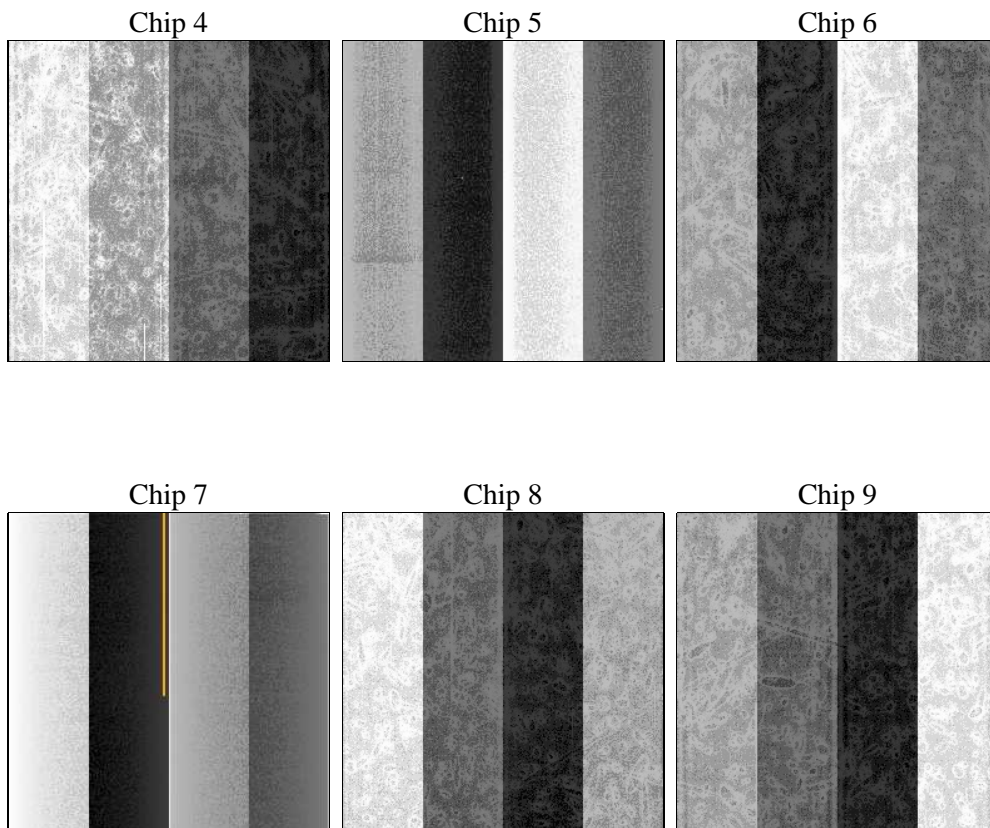
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8520	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5271.7629667968	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2024.4052376002	Sum of GTIs [s]
date	2012-09-17T06:47:56	Date and time of file creation	ontime5	5642.7448522449	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2222.0673479885	Sum of GTIs [s]
			ontime7	5271.7629667968	Sum of GTIs [s]
			ontime8	2218.9084776789	Sum of GTIs [s]
			ontime9	2137.6774773002	Sum of GTIs [s]
			l1events	1430313	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	149125	380106	172919	391917	174998	161248	grade 0 events	73634	81941	84825	93426	85677	78582
rejected events	23531	54988	23443	41968	25971	23389		49%	21%	49%	23%	48%	48%
rejected %	15%	14%	13%	10%	14%	14%	grade 1 events	412	235	418	233	450	439
								0%	0%	0%	0%	0%	0%
							grade 2 events	22826	121015	26985	80057	27150	25450
								15%	31%	15%	20%	15%	15%
							grade 3 events	8065	21572	9308	37233	9711	8893
								5%	5%	5%	9%	5%	5%
							grade 4 events	8105	21430	9452	36844	9583	8864
								5%	5%	5%	9%	5%	5%
							grade 5 events	1133	8480	1402	6025	1516	1370
								0%	2%	0%	1%	0%	0%
							grade 6 events	17637	91482	24726	115785	22951	21465
								11%	24%	14%	29%	13%	13%
							grade 7 events	17313	33951	15803	22314	17960	16185
								11%	8%	9%	5%	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	345.9713159753809	345.9713159753809
[deg] Pointing Dec	45.02032291254183	45.02032291254184
[deg] Pointing Roll	102.2026724263655	102.2026724263655
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	107822645.565	107822645.565
Observation start date	2001-06-01T23:00:00	2001-06-01T22:44:05
[s] Observation end time (MET)	107831983.638718	107831983.638718
Observation end date	2001-06-02T01:22:00	2001-06-02T01:19:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.2717629667968

### A.2 Comments