

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60754 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2012

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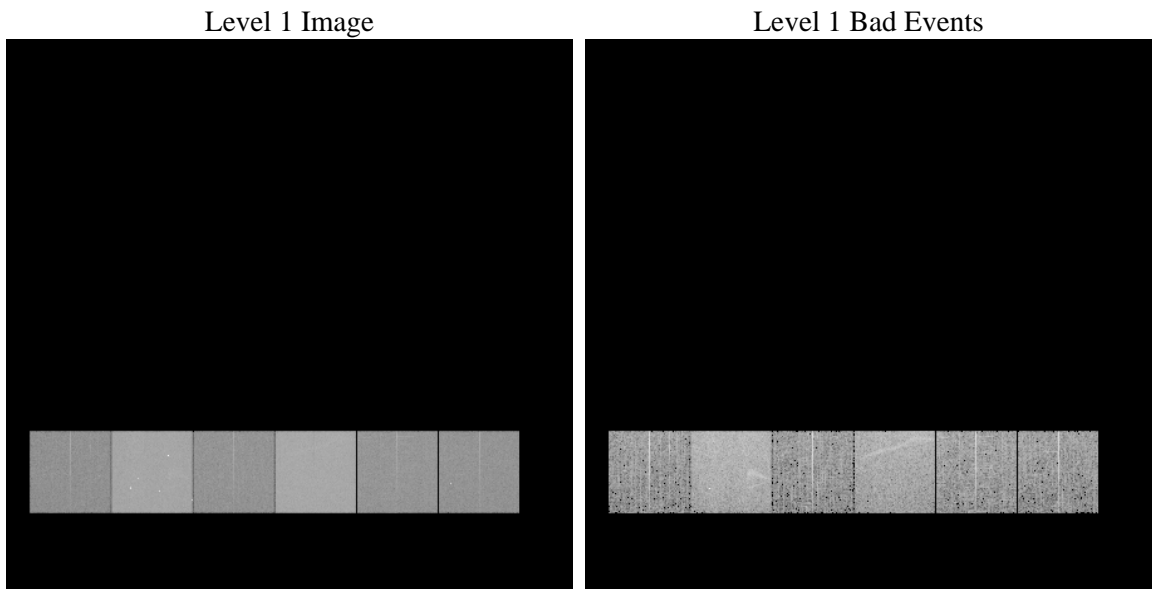
# 1 Front

seq_num	&#160	Sequence number
obs_id	60754	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	94.532597634764	Nominal RA [deg]
dec_nom	49.380829372955	Nominal Dec [deg]
roll_nom	285.00612990176	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8457.4746389985	Sum of GTIs [s]
livetime	8350.3810026397	Livetime [s]
ontime4	3745.1861267388	Sum of GTIs [s]
ontime5	8460.7566392422	Sum of GTIs [s]
ontime6	3985.0165218413	Sum of GTIs [s]
ontime7	8457.4746389985	Sum of GTIs [s]
ontime8	4176.3186455071	Sum of GTIs [s]
ontime9	4088.6075488329	Sum of GTIs [s]
l2events	1255704	Number of level 2 events

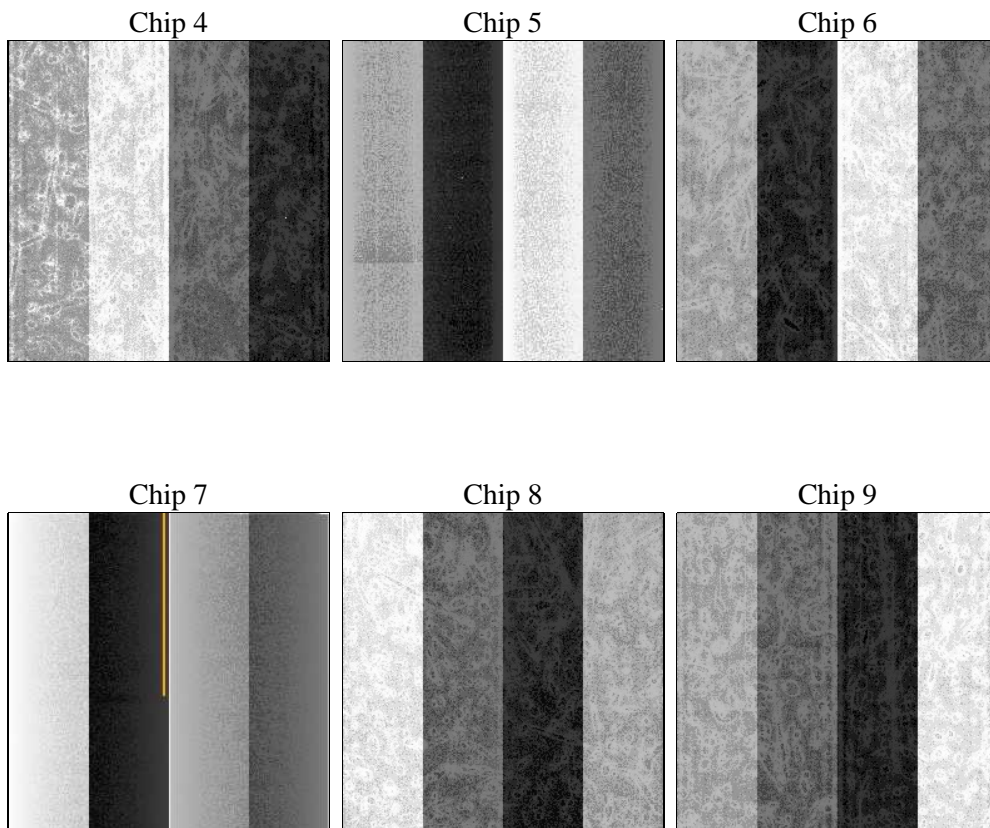
## 2 OBI

### 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	8457.4746389985	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	3745.1861267388	Sum of GTIs [s]
date	2012-10-27T02:11:56	Date and time of file creation	ontime5	8460.7566392422	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3985.0165218413	Sum of GTIs [s]
			ontime7	8457.4746389985	Sum of GTIs [s]
			ontime8	4176.3186455071	Sum of GTIs [s]
			ontime9	4088.6075488329	Sum of GTIs [s]
			l1events	1539798	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	173665	370914	194259	399990	208348	192622	grade 0 events	84009	73759	90728	87877	96516	90888
rejected events	28627	56335	28048	46553	32404	28480		48%	19%	46%	21%	46%	47%
rejected %	16%	15%	14%	11%	15%	14%	grade 1 events	656	287	484	364	493	512
								0%	0%	0%	0%	0%	0%
							grade 2 events	23403	113210	28658	77745	30666	28372
								13%	30%	14%	19%	14%	14%
							grade 3 events	9573	19452	10275	35885	11414	10385
								5%	5%	5%	8%	5%	5%
							grade 4 events	9551	18960	10408	35515	11223	10232
								5%	5%	5%	8%	5%	5%
							grade 5 events	1827	9745	1958	8564	2320	2051
								1%	2%	1%	2%	1%	1%
							grade 6 events	18502	89198	26142	116415	26125	24265
								10%	24%	13%	29%	12%	12%
							grade 7 events	26144	46303	25606	37625	29591	25917
								15%	12%	13%	9%	14%	13%

## 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	94.53259763476376	Alternating exposures requested	N	N
[deg] Pointing Dec	0	49.38082937295543	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	285.0061299017647			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	167944443.520055	167944442.49534			
Observation start date	2003-04-28T19:14:04	2003-04-28T19:14:02			
[s] Observation end time (MET)	167968313.721065	167968312.69635			
Observation end date	2003-04-29T01:51:54	2003-04-29T01:51:52			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4574746389985

### A.2 Comments