

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59615 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 24 2012

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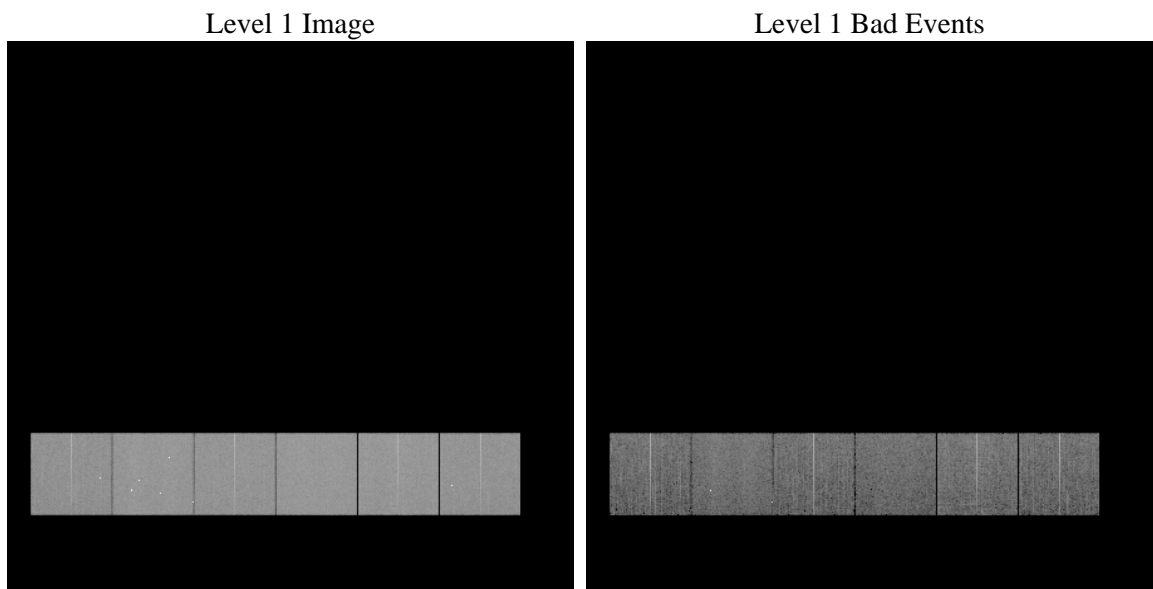
# 1 Front

seq_num	&#160	Sequence number
obs_id	59615	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	237.00633441542	Nominal RA [deg]
dec_nom	-16.028075738744	Nominal Dec [deg]
roll_nom	249.21971540425	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8280.9603655934	Sum of GTIs [s]
livetime	8176.1018592486	Livetime [s]
ontime4	7055.6841253936	Sum of GTIs [s]
ontime5	8280.9193255901	Sum of GTIs [s]
ontime6	7561.2765109837	Sum of GTIs [s]
ontime7	8280.9603655934	Sum of GTIs [s]
ontime8	7827.0596036017	Sum of GTIs [s]
ontime9	7425.1554592252	Sum of GTIs [s]
l2events	1057217	Number of level 2 events

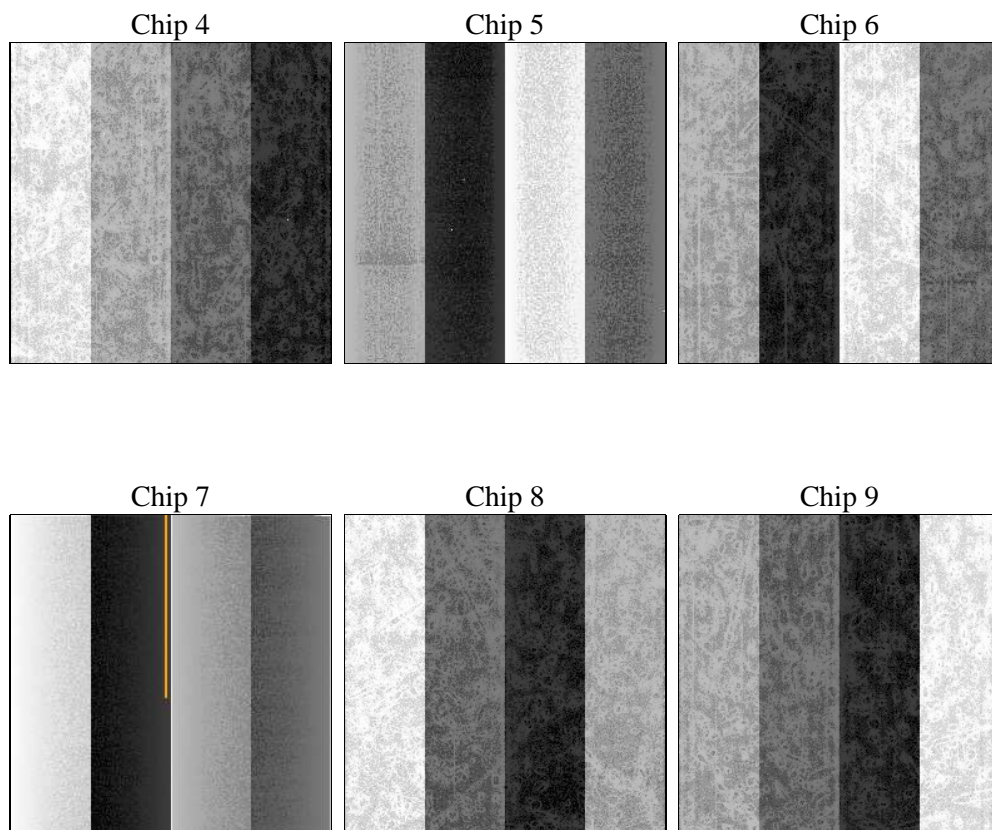
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8280.9603655934	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime4	7055.6841253936	Sum of GTIs [s]
date	2012-12-24T19:01:03	Date and time of file creation	ontime5	8280.9193255901	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7561.2765109837	Sum of GTIs [s]
			ontime7	8280.9603655934	Sum of GTIs [s]
			ontime8	7827.0596036017	Sum of GTIs [s]
			ontime9	7425.1554592252	Sum of GTIs [s]
			l1events	1489290	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	217895	266269	240990	269395	262641	232100	grade 0 events	95346	38266	98570	49908	107051	98619
rejected events	57597	64287	57880	51959	65493	56451		43%	14%	40%	18%	40%	42%
rejected %	26%	24%	24%	19%	24%	24%	grade 1 events	748	330	457	151	563	569
								0%	0%	0%	0%	0%	0%
							grade 2 events	23393	78793	32156	47952	34939	28746
								10%	29%	13%	17%	13%	12%
							grade 3 events	10836	9103	11242	21097	12763	11097
								4%	3%	4%	7%	4%	4%
							grade 4 events	10567	9006	11295	21020	12881	11159
								4%	3%	4%	7%	4%	4%
							grade 5 events	3171	9537	3477	8888	4440	3640
								1%	3%	1%	3%	1%	1%
							grade 6 events	20156	66879	29847	77530	29645	26028
								9%	25%	12%	28%	11%	11%
							grade 7 events	53678	54355	53946	42849	60359	52242
								24%	20%	22%	15%	22%	22%

## 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	237.0063344154153
[deg] Pointing Dec	0	-16.02807573874384
[deg] Pointing Roll	0.0	249.2197154042533
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	235120062.13105	235120061.10605
Observation start date	2005-06-14T07:07:42	2005-06-14T07:07:41
[s] Observation end time (MET)	235143651.482127	235143650.45712
Observation end date	2005-06-14T13:40:51	2005-06-14T13:40:50
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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2809603655934

### A.2 Comments